Sacramento-San Joaquin Delta Modeling

Summary Tables and Bar Charts

Table SQ-01-a
X2, Monthly Position
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Position (KM)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	86.9	82.9	77.8	68.3	62.5	64.4	68.1	75.7	82.9	83.6	89.9	83.6
WSIP 2030 With Project	86.9	82.9	77.8	68.3	62.6	64.4	68.2	75.8	82.9	83.6	89.9	79.5
Difference	0	0	0	0	0	0	0	0	0	0	0	-4
Percent Difference[3]	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	-4.8%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	79.7	74.7	74.8	56.3	55.2	57.7	59.2	67.4	79.3	79.5	88.3	69.1
WSIP 2030 With Project	79.8	74.7	74.8	56.2	55.2	57.6	59.3	67.4	79.3	79.4	88.3	66.5
Difference	0	0	0	0	0	0	0	0	0	0	0	-3
Percent Difference	0.1%	0.0%	0.0%	-0.3%	-0.1%	-0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	-3.7%
Above Normal (14.6%)												
WSIP 2030 Without Project	84.1	80.0	79.1	61.4	57.3	58.6	64.0	72.6	83.6	79.5	88.6	80.4
WSIP 2030 With Project	84.1	80.0	79.1	61.4	57.2	58.6	64.0	72.7	83.5	79.5	88.6	73.6
Difference	0	0	0	0	0	0	0	0	0	0	0	-7
Percent Difference	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.1%	0.1%	-0.1%	-0.1%	-0.1%	-8.5%
Below Normal (20.7%)												
WSIP 2030 Without Project	90.9	88.3	77.3	71.5	63.8	65.3	68.4	76.1	83.7	82.5	89.3	91.2
WSIP 2030 With Project	90.9	88.3	77.3	71.6	63.8	65.4	68.5	76.1	83.6	82.5	89.4	91.2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	-0.1%	0.1%	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.1%
Dry (19.5%)												
WSIP 2030 Without Project	89.2	84.0	75.7	77.7	66.8	69.1	75.0	81.8	84.3	88.2	91.1	92.2
WSIP 2030 With Project	89.2	84.0	75.6	77.6	66.8	69.2	75.1	81.9	84.3	88.2	91.1	86.4
Difference	0	0	0	0	0	0	0	0	0	0	0	-6
Percent Difference	0.0%	0.0%	0.0%	-0.1%	0.1%	0.1%	0.2%	0.0%	0.0%	0.0%	0.0%	-6.3%
Critical (14.6%)												
WSIP 2030 Without Project	95.8	93.9	86.5	83.3	75.8	76.6	81.1	87.6	87.0	91.6	93.4	94.6
WSIP 2030 With Project	95.8	94.0	86.4	83.2	75.9	76.7	81.1	87.6	87.0	91.5	93.4	86.7
Difference	0	0	0	0	0	0	0	0	0	0	0	-8
Percent Difference	0.0%	0.1%	-0.1%	-0.1%	0.1%	0.1%	0.0%	0.0%	-0.1%	-0.1%	0.0%	-8.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SQ-21-a
Sacramento River at Emmaton, Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	1917.0	1553.6	936.6	446.5	242.9	208.1	237.4	361.1	633.0	710.3	1353.9	1634.7
WSIP 2030 With Project	1614.5	1394.7	923.7	459.4	247.0	211.8	237.1	356.2	598.2	665.0	1247.9	1387.1
Difference	-302.5	-159.0	-12.9	12.9	4.1	3.7	-0.4	-4.9	-34.8	-45.3	-106.0	-247.6
Percent Difference[3]	-15.8%	-10.2%	-1.4%	2.9%	1.7%	1.8%	-0.1%	-1.4%	-5.5%	-6.4%	-7.8%	-15.1%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	281.6	248.7	388.3	190.6	181.9	183.1	188.5	209.9	371.1	333.0	860.9	324.1
WSIP 2030 With Project	269.2	245.3	409.3	194.5	182.1	183.6	188.7	208.5	363.6	332.2	839.2	318.2
Difference	-12.4	-3.4	21.0	3.9	0.2	0.5	0.2	-1.4	-7.5	-0.9	-21.8	-5.9
Percent Difference	-4.4%	-1.4%	5.4%	2.1%	0.1%	0.3%	0.1%	-0.7%	-2.0%	-0.3%	-2.5%	-1.8%
Above Normal (14.6%)												
WSIP 2030 Without Project	593.0	471.9	573.3	270.7	188.5	183.2	193.3	222.7	443.6	349.4	820.9	584.6
WSIP 2030 With Project	531.6	453.5	572.6	281.7	189.6	184.4	194.3	223.5	436.3	344.2	776.8	533.9
Difference	-61.4	-18.4	-0.7	11.0	1.1	1.3	0.9	0.8	-7.3	-5.2	-44.1	-50.7
Percent Difference	-10.4%	-3.9%	-0.1%	4.1%	0.6%	0.7%	0.5%	0.4%	-1.6%	-1.5%	-5.4%	-8.7%
Below Normal (20.7%)												
WSIP 2030 Without Project	2714.9	2098.2	1318.0	412.7	221.9	194.1	212.0	275.6	550.2	488.1	1048.9	2158.1
WSIP 2030 With Project	2032.5	1759.6	1148.8	410.6	222.5	200.1	212.1	274.5	533.7	483.2	970.9	1708.3
Difference	-682.5	-338.6	-169.1	-2.1	0.6	6.0	0.1	-1.1	-16.5	-4.9	-78.0	-449.8
Percent Difference	-25.1%	-16.1%	-12.8%	-0.5%	0.3%	3.1%	0.1%	-0.4%	-3.0%	-1.0%	-7.4%	-20.8%
Dry (19.5%)												
WSIP 2030 Without Project	2838.7	1976.9	1059.8	571.7	241.1	212.6	245.6	385.9	657.2	948.9	1842.8	2578.0
WSIP 2030 With Project	2337.2	1668.8	1004.3	606.5	257.3	215.9	246.8	376.2	627.6	886.7	1612.3	2088.8
Difference	-501.4	-308.0	-55.5	34.8	16.2	3.3	1.2	-9.7	-29.6	-62.2	-230.5	-489.2
Percent Difference	-17.7%	-15.6%	-5.2%	6.1%	6.7%	1.5%	0.5%	-2.5%	-4.5%	-6.6%	-12.5%	-19.0%
Critical (14.6%)												
WSIP 2030 Without Project	4289.0	4018.4	1738.1	1036.5	456.8	299.0	408.7	902.5	1452.8	1853.6	2694.0	3416.3
WSIP 2030 With Project	3944.6	3848.0	1920.2	1061.7	460.5	309.3	403.2	885.5	1300.7	1641.3	2477.1	3076.8
Difference	-344.4	-170.4	182.1	25.2	3.7	10.3	-5.5	-17.0	-152.1	-212.3	-216.9	-339.5
Percent Difference	-8.0%	-4.2%	10.5%	2.4%	0.8%	3.4%	-1.3%	-1.9%	-10.5%	-11.5%	-8.1%	-9.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

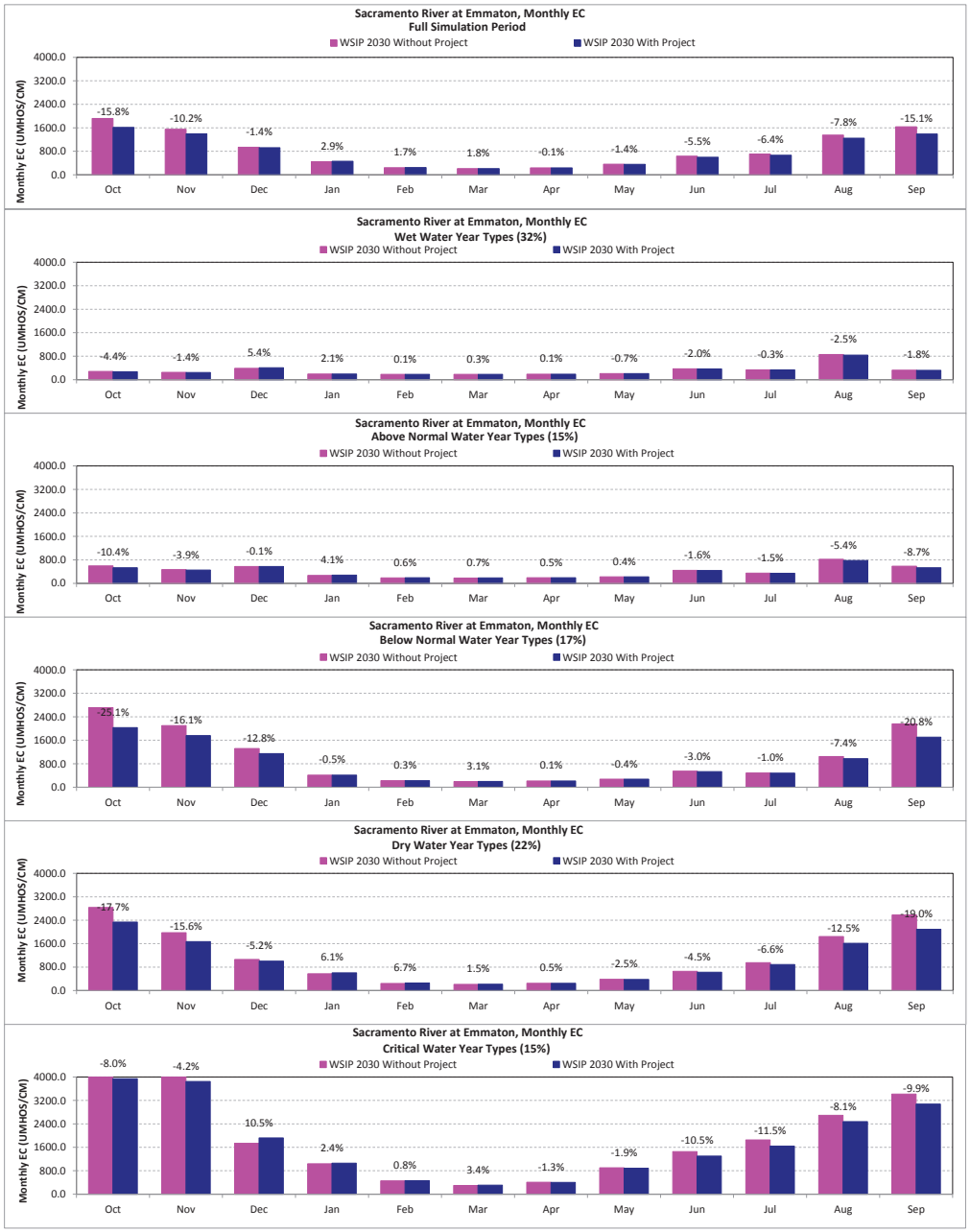


Table SQ-22-a
Sacramento River at Collinsville, Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	6229.3	5501.7	3811.1	1857.4	652.5	453.9	685.7	1429.4	2873.1	3454.0	5490.8	5567.7
WSIP 2030 With Project	5714.6	5209.3	3898.2	1970.6	707.4	495.4	689.5	1414.7	2768.3	3343.5	5311.8	5179.8
Difference	-514.7	-292.4	87.1	113.2	54.9	41.5	3.7	-14.7	-104.9	-110.5	-179.0	-387.9
Percent Difference[3]	-8.3%	-5.3%	2.3%	6.1%	8.4%	9.1%	0.5%	-1.0%	-3.7%	-3.2%	-3.3%	-7.0%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	1390.4	1269.3	1885.2	242.7	190.0	209.9	243.4	479.2	1692.3	1911.1	4267.3	1427.0
WSIP 2030 With Project	1332.4	1250.9	2028.2	280.8	191.7	214.8	244.6	467.4	1648.2	1902.2	4217.4	1385.1
Difference	-58.0	-18.4	143.0	38.1	1.6	5.0	1.3	-11.8	-44.2	-8.9	-49.9	-41.9
Percent Difference	-4.2%	-1.5%	7.6%	15.7%	0.9%	2.4%	0.5%	-2.5%	-2.6%	-0.5%	-1.2%	-2.9%
Above Normal (14.6%)												
WSIP 2030 Without Project	3288.6	2885.3	2969.3	875.8	224.3	232.9	283.3	623.2	2197.9	2077.1	4151.3	3147.1
WSIP 2030 With Project	3094.9	2801.0	3057.8	966.9	234.0	256.7	292.6	631.9	2197.3	2037.7	4006.6	2954.6
Difference	-193.8	-84.3	88.6	91.1	9.7	23.9	9.3	8.7	-0.6	-39.4	-144.6	-192.5
Percent Difference	-5.9%	-2.9%	3.0%	10.4%	4.3%	10.2%	3.3%	1.4%	0.0%	-1.9%	-3.5%	-6.1%
Below Normal (20.7%)												
WSIP 2030 Without Project	9169.0	7897.7	4982.3	1922.9	531.4	335.0	491.8	1111.7	2804.3	2992.1	4951.1	7654.0
WSIP 2030 With Project	7952.1	7230.1	4604.4	2004.1	561.3	393.5	498.9	1108.2	2745.4	2966.2	4789.5	6884.0
Difference	-1216.9	-667.6	-377.9	81.2	29.9	58.6	7.0	-3.5	-58.9	-25.9	-161.5	-770.0
Percent Difference	-13.3%	-8.5%	-7.6%	4.2%	5.6%		1.4%	-0.3%	-2.1%	-0.9%	-3.3%	-10.1%
Dry (19.5%)												
WSIP 2030 Without Project	8945.7	7116.1	4000.4	2845.3	739.7	514.0	862.9	1962.3	3389.2	4793.6	6807.7	8522.1
WSIP 2030 With Project	8177.5	6521.9	4026.3	3102.3	891.8	559.3	877.5	1944.2	3283.8	4658.1	6460.3	7818.5
Difference	-768.2	-594.2	25.9	257.0	152.1	45.3	14.6	-18.1	-105.4	-135.4	-347.3	-703.7
Percent Difference	-8.6%	-8.4%	0.6%	9.0%	20.6%	8.8%	1.7%	-0.9%	-3.1%	-2.8%	-5.1%	-8.3%
Critical (14.6%)												
WSIP 2030 Without Project	11464.9	11388.6	6753.8	4793.0	2099.1	1271.6	2048.3	3955.1	5417.8	6913.4	8388.4	9719.7
WSIP 2030 With Project	11010.4	11251.3	7463.5	4938.4	2216.1	1377.8	2032.3	3899.2	5017.8	6433.4	8105.3	9378.2
Difference	-454.5	-137.3	709.7	145.4	117.0	106.1	-16.0	-55.9	-400.1	-480.0	-283.0	-341.5
Percent Difference	-4.0%	-1.2%	10.5%	3.0%	5.6%	8.3%	-0.8%	-1.4%	-7.4%	-6.9%	-3.4%	-3.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

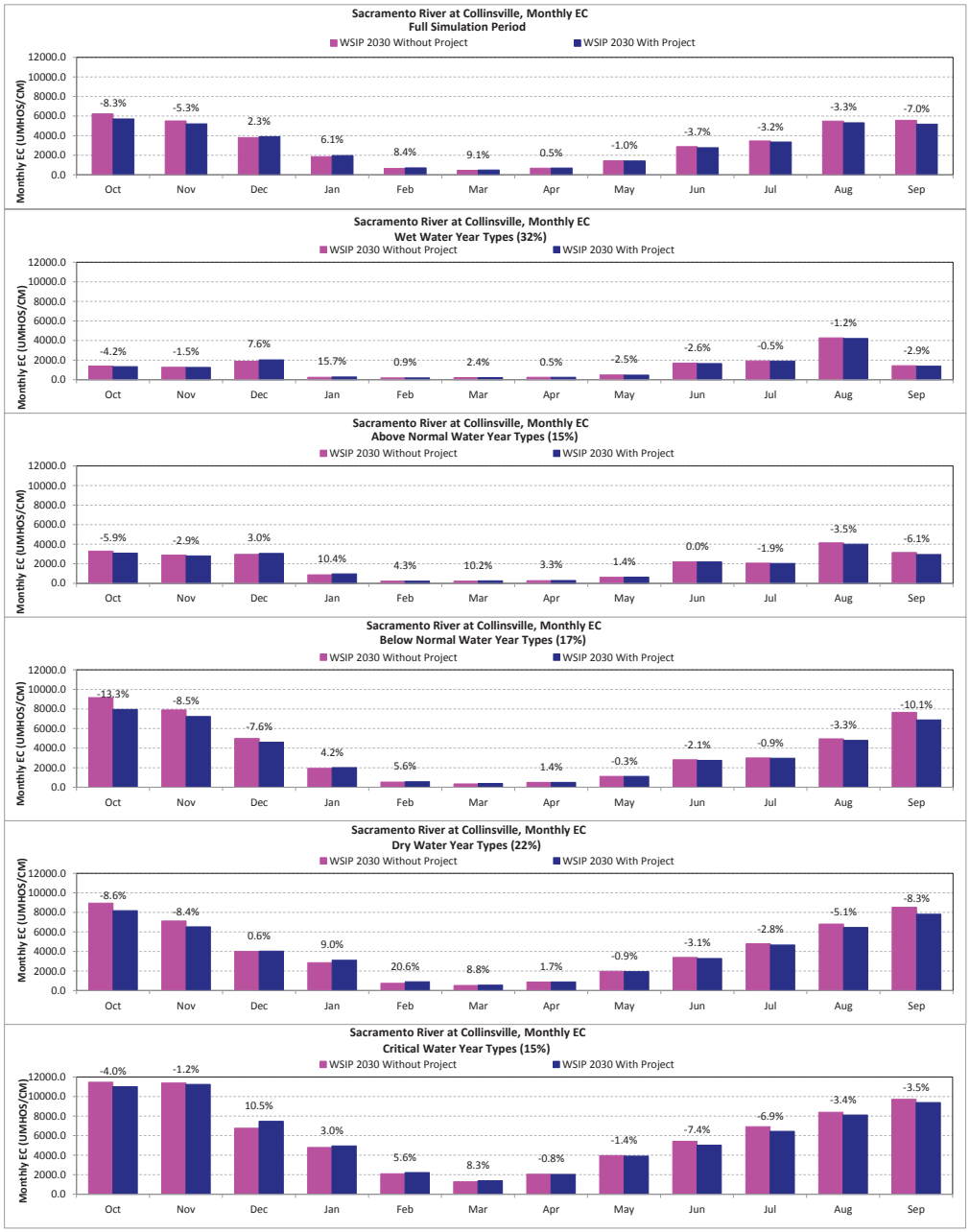


Table SQ-23-a
Sacramento River at Mallard Slough (Chipps Island)), Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	9117.8	8302.8	6114.8	3257.7	1210.4	905.4	1407.4	2768.6	5148.1	6186.7	8761.0	8485.8
WSIP 2030 With Project	8639.8	8023.6	6299.1	3489.0	1341.8	1009.3	1427.2	2754.7	5016.9	6059.0	8591.9	8123.7
Difference	-478.0	-279.2	184.3	231.2	131.3	103.9	19.9	-13.9	-131.2	-127.6	-169.1	-362.1
Percent Difference[3]	-5.2%	-3.4%	3.0%	7.1%	10.9%	11.5%	1.4%	-0.5%	-2.5%	-2.1%	-1.9%	-4.3%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	3045.7	2909.2	3454.9	354.5	210.2	281.6	386.4	993.5	3294.7	4016.2	7267.6	3037.9
WSIP 2030 With Project	2966.0	2886.5	3688.9	438.2	215.2	296.6	390.5	972.5	3218.9	4002.2	7224.5	2966.7
Difference	-79.6	-22.7	234.0	83.7	5.0	15.0	4.1	-21.0	-75.7	-14.0	-43.0	-71.2
Percent Difference	-2.6%	-0.8%	6.8%	23.6%		5.3%	1.1%	-2.1%	-2.3%	-0.3%	-0.6%	-2.3%
Above Normal (14.6%)												
WSIP 2030 Without Project	6034.4	5498.1	5253.7	1623.1	304.6	376.3	540.8	1424.2	4231.5	4359.0	7155.4	5944.5
WSIP 2030 With Project	5816.0	5395.9	5441.3	1805.4	333.3	444.3	566.7	1448.5	4250.0	4292.8	6986.0	5702.7
Difference	-218.3	-102.1	187.6	182.3	28.6	68.0	25.9	24.4	18.5	-66.2	-169.4	-241.8
Percent Difference	-3.6%	-1.9%	3.6%	11.2%		18.1%	4.8%	1.7%	0.4%	-1.5%	-2.4%	-4.1%
Below Normal (20.7%)												
WSIP 2030 Without Project	12894.6	11527.3	7560.5	3637.3	1070.2	692.1	1072.3	2383.4	5181.8	5817.0	8246.7	11294.2
WSIP 2030 With Project	11754.2	10905.9	7192.4	3856.7	1155.9	824.8	1103.3	2388.3	5108.6	5778.8	8094.1	10587.6
Difference	-1140.4	-621.4	-368.1	219.4	85.7	132.7	31.0	4.9	-73.1	-38.2	-152.7	-706.6
Percent Difference	-8.8%	-5.4%	-4.9%	6.0%	8.0%	19.2%	2.9%	0.2%	-1.4%	-0.7%	-1.9%	-6.3%
Dry (19.5%)												
WSIP 2030 Without Project	12410.1	10298.0	6183.4	5140.1	1517.0	1113.4	1986.0	3973.5	6118.6	8137.4	10378.7	12235.8
WSIP 2030 With Project	11753.7	9722.8	6339.8	5627.2	1859.8	1251.5	2030.8	3966.2	5985.1	7990.2	10064.1	11622.6
Difference	-656.5	-575.3	156.4	487.1	342.7	138.1	44.8	-7.3	-133.5	-147.2	-314.5	-613.3
Percent Difference	-5.3%	-5.6%	2.5%	9.5%	22.6%	12.4%	2.3%	-0.2%	-2.2%	-1.8%	-3.0%	-5.0%
Critical (14.6%)												
WSIP 2030 Without Project	15111.1	15116.0	10378.1	7893.3	3990.0	2759.1	4104.2	6750.6	8584.4	10458.8	12049.4	13398.4
WSIP 2030 With Project	14719.9	15004.6	11275.5	8156.5	4270.0	2997.5	4101.8	6677.4	8108.7	9932.4	11788.6	13133.0
Difference	-391.2	-111.4	897.4	263.2	280.0	238.4	-2.4	-73.2	-475.8	-526.4	-260.7	-265.4
Percent Difference	-2.6%	-0.7%	8.6%	3.3%	7.0%	8.6%	-0.1%	-1.1%	-5.5%	-5.0%	-2.2%	-2.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

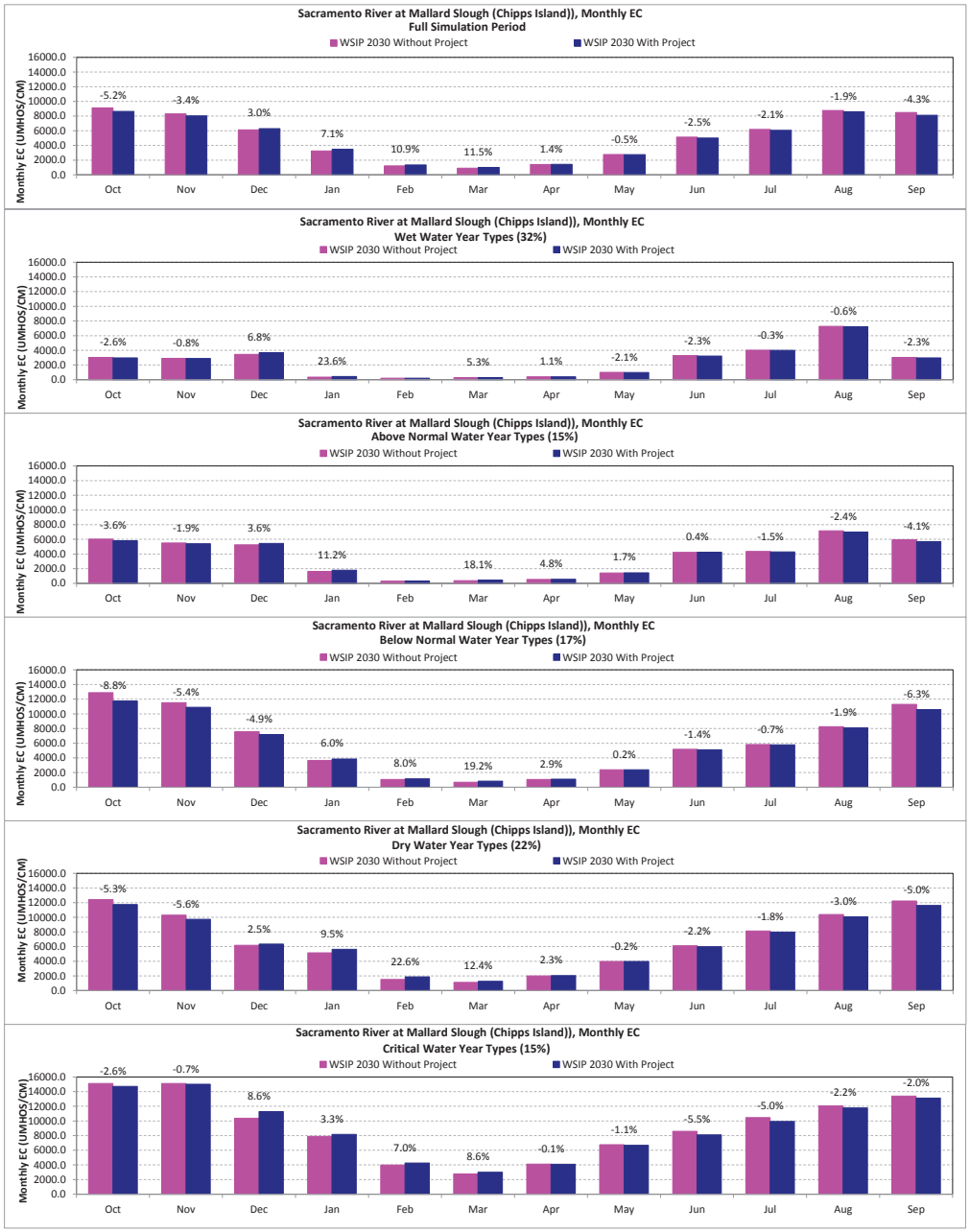


Table SQ-24-a
Sacramento River at Port Chicago (Roe Island), Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	13920.5	13011.6	10243.2	6235.4	2941.8	2680.2	3887.1	6416.9	10121.4	11775.8	14436.9	13728.9
WSIP 2030 With Project	13635.5	12845.6	10553.2	6670.4	3241.2	2946.7	3964.2	6421.3	9984.7	11650.0	14331.9	13505.6
Difference	-285.0	-166.0	310.1	434.9	299.3	266.5	77.1	4.5	-136.8	-125.8	-105.0	-223.3
Percent Difference[3]	-2.0%	-1.3%	3.0%	7.0%	10.2%	9.9%	2.0%	0.1%	-1.4%	-1.1%	-0.7%	-1.6%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	7600.1	7330.1	6972.6	920.2	377.5	771.3	1246.7	3076.1	7471.4	9243.1	12903.1	7730.8
WSIP 2030 With Project	7546.4	7332.5	7331.4	1111.1	400.3	824.7	1268.0	3051.2	7348.9	9216.2	12894.5	7667.8
Difference	-53.7	2.4	358.8	190.9	22.8	53.4	21.4	-24.9	-122.5	-26.9	-8.6	-63.0
Percent Difference	-0.7%	0.0%	5.1%	20.7%		6.9%	1.7%	-0.8%	-1.6%	-0.3%	-0.1%	-0.8%
Above Normal (14.6%)												
WSIP 2030 Without Project	11439.2	10584.5	9607.7	3591.8	855.7	1179.5	2092.6	4475.8	9112.5	9843.6	12810.8	11762.1
WSIP 2030 With Project	11307.7	10512.5	9968.7	3930.4	958.2	1359.4	2173.3	4544.6	9168.1	9752.9	12674.3	11598.0
Difference	-131.5	-72.0	360.9	338.6	102.5	179.9	80.7	68.8	55.6	-90.8	-136.5	-164.1
Percent Difference	-1.1%	-0.7%	3.8%	9.4%	12.0%	15.3%	3.9%	1.5%	0.6%	-0.9%	-1.1%	-1.4%
Below Normal (20.7%)												
WSIP 2030 Without Project	17882.7	16632.1	11770.3	7589.0	3101.5	2520.0	3558.0	6234.1	10394.3	11689.5	14085.8	16803.1
WSIP 2030 With Project	17174.0	16300.9	11583.0	8082.1	3347.0	2850.8	3686.4	6280.5	10325.8	11641.1	13993.7	16357.6
Difference	-708.7	-331.3	-187.3	493.1	245.5	330.8	128.5	46.5	-68.5	-48.4	-92.1	-445.5
Percent Difference	-4.0%	-2.0%	-1.6%	6.5%	7.9%	13.1%	3.6%	0.7%	-0.7%	-0.4%	-0.7%	-2.7%
Dry (19.5%)												
WSIP 2030 Without Project	17131.8	14869.6	9942.8	9888.7	4180.3	3636.7	5809.1	8943.9	11692.5	14043.8	16094.1	17656.0
WSIP 2030 With Project	16789.6	14483.1	10253.0	10726.0	4943.6	4070.1	5935.3	8964.1	11555.2	13907.0	15898.8	17296.5
Difference	-342.2	-386.5	310.2	837.3	763.3	433.4	126.1	20.2	-137.4	-136.8	-195.3	-359.5
Percent Difference	-2.0%	-2.6%	3.1%	8.5%	18.3%	11.9%	2.2%	0.2%	-1.2%	-1.0%	-1.2%	-2.0%
Critical (14.6%)												
WSIP 2030 Without Project	19674.2	19668.6	15929.4	13164.0	8492.9	7109.6	9085.6	12207.5	14170.0	16082.4	17546.2	18600.3
WSIP 2030 With Project	19430.4	19586.0	16791.5	13584.8	9022.7	7592.8	9137.2	12128.3	13715.0	15620.9	17374.1	18480.6
Difference	-243.8	-82.6	862.1	420.9	529.8	483.2	51.6	-79.2	-455.0	-461.5	-172.1	-119.7
Percent Difference	-1.2%	-0.4%	5.4%	3.2%	6.2%	6.8%	0.6%	-0.6%	-3.2%	-2.9%	-1.0%	-0.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

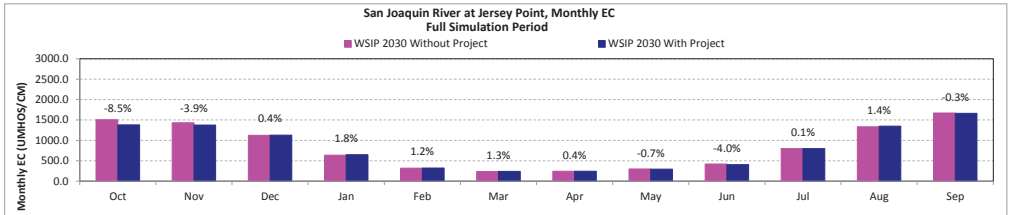
Table SQ-25-a
San Joaquin River at Jersey Point, Monthly EC
Long-term Average and Average by Water Year Type

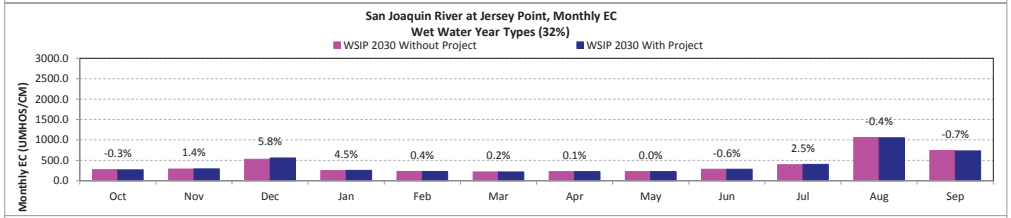
Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	1506.3	1432.6	1125.4	637.4	317.5	238.2	244.5	298.2	421.1	798.7	1331.4	1669.2
WSIP 2030 With Project	1378.3	1376.2	1130.2	648.6	321.2	241.4	245.5	296.1	404.4	799.5	1349.7	1664.2
Difference	-128.0	-56.4	4.9	11.2	3.7	3.2	1.0	-2.1	-16.7	0.7	18.3	-5.1
Percent Difference[3]	-8.5%	-3.9%	0.4%	1.8%	1.2%	1.3%	0.4%	-0.7%	-4.0%	0.1%	1.4%	-0.3%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	268.7	284.8	527.2	245.1	227.2	216.8	221.5	221.6	284.1	391.6	1055.8	736.4
WSIP 2030 With Project	267.9	288.9	558.0	256.2	228.2	217.3	221.8	221.6	282.4	401.5	1051.3	731.4
Difference	-0.8	4.1	30.8	11.1	1.0	0.5	0.3	0.0	-1.7	9.9	-4.5	-5.0
Percent Difference	-0.3%	1.4%	5.8%	4.5%	0.4%	0.2%	0.1%	0.0%	-0.6%	2.5%	-0.4%	-0.7%
Above Normal (14.6%)												
WSIP 2030 Without Project	471.2	567.1	837.2	421.1	244.2	212.0	224.0	241.3	331.3	436.8	1063.4	884.7
WSIP 2030 With Project	462.7	581.4	855.0	435.0	248.8	214.1	224.9	241.7	330.1	444.8	1029.7	864.2
Difference	-8.5	14.3	17.9	13.9	4.5	2.1	0.9	0.4	-1.2	7.9	-33.7	-20.4
Percent Difference	-1.8%	2.5%	2.1%	3.3%	1.9%	1.0%	0.4%	0.2%	-0.4%	1.8%	-3.2%	-2.3%
Below Normal (20.7%)												
WSIP 2030 Without Project	2443.6	2179.9	1530.9	696.7	283.8	229.3	235.2	257.9	391.0	784.9	1325.7	2346.9
WSIP 2030 With Project	2143.8	2007.8	1402.4	664.2	283.7	234.2	236.4	257.5	383.2	784.4	1345.7	2264.5
Difference	-299.8	-172.1	-128.5	-32.5	-0.2	4.9	1.2	-0.4	-7.7	-0.4	19.9	-82.4
Percent Difference	-12.3%	-7.9%	-8.4%	-4.7%	-0.1%	2.1%	0.5%	-0.2%	-2.0%	-0.1%	1.5%	-3.5%
Dry (19.5%)												
WSIP 2030 Without Project	2229.2	1939.8	1266.7	825.0	347.4	243.3	248.2	306.5	435.8	1167.8	1608.8	2450.3
WSIP 2030 With Project	2022.5	1799.1	1262.6	876.1	365.9	250.1	251.7	303.6	421.2	1217.9	1676.9	2473.3
Difference	-206.7	-140.7	-4.1	51.1	18.5	6.8	3.4	-2.9	-14.7	50.1	68.1	23.0
Percent Difference	-9.3%	-7.3%	-0.3%	6.2%	5.3%	2.8%	1.4%	-0.9%	-3.4%	4.3%	4.2%	0.9%
Critical (14.6%)												
WSIP 2030 Without Project	2828.3	2954.1	1896.8	1336.9	587.0	315.1	321.0	560.4	819.5	1536.4	1811.9	2395.8
WSIP 2030 With Project	2664.3	2977.5	2035.5	1354.4	581.2	317.6	320.0	550.4	740.3	1446.6	1860.9	2477.8
Difference	-164.0	23.4	138.6	17.4	-5.8	2.5	-1.0	-10.0	-79.2	-89.8	49.0	82.1
Percent Difference	-5.8%	0.8%	7.3%	1.3%	-1.0%	0.8%	-0.3%	-1.8%	-9.7%	-5.8%	2.7%	3.4%

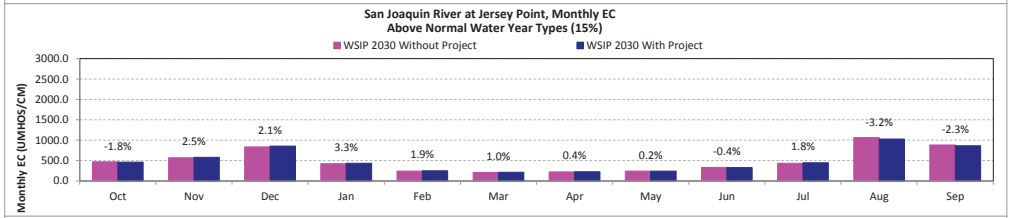
1 Based on the 82-year simulation period

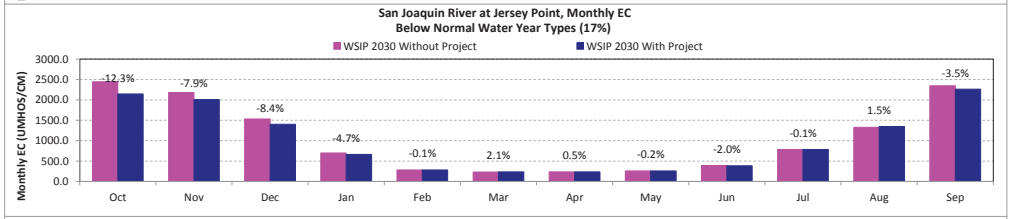
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

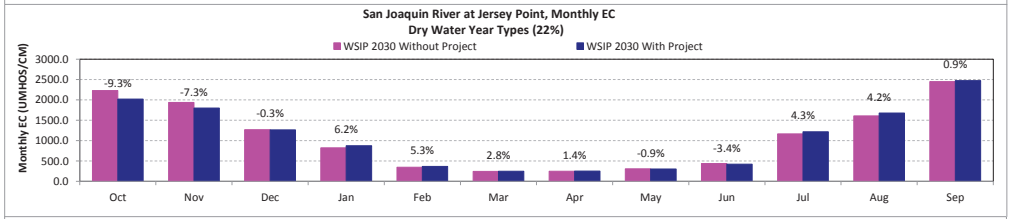
3 Relative difference of the monthly average











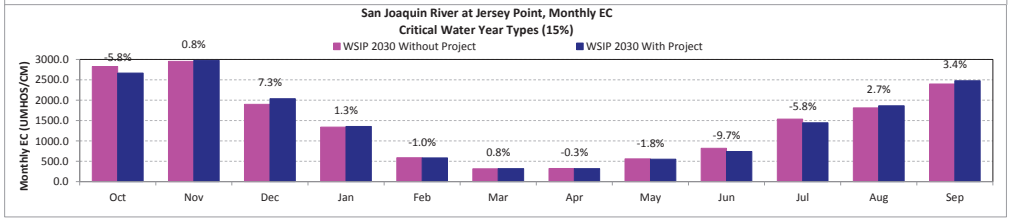


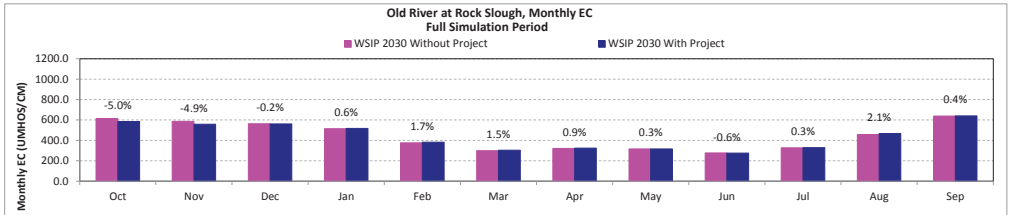
Table SQ-27-a
Old River at Rock Slough, Monthly EC
Long-term Average and Average by Water Year Type

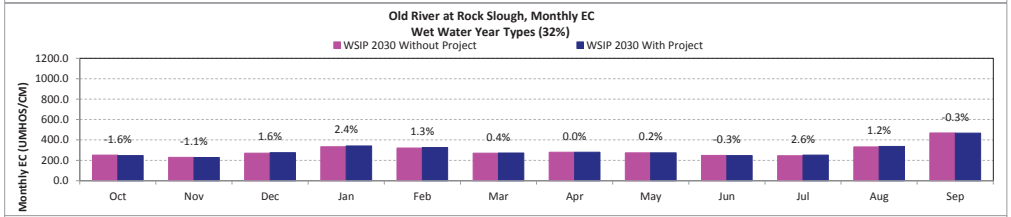
Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	614.9	586.6	562.9	514.6	375.6	298.5	320.7	315.9	276.9	327.9	458.0	637.8
WSIP 2030 With Project	584.4	558.2	561.6	517.6	382.2	302.9	323.7	316.8	275.2	328.9	467.5	640.6
Difference	-30.6	-28.5	-1.3	3.0	6.6	4.5	3.0	0.9	-1.7	1.0	9.5	2.8
Percent Difference[3]	-5.0%	-4.9%	-0.2%	0.6%	1.7%	1.5%	0.9%	0.3%	-0.6%	0.3%	2.1%	0.4%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	250.5	229.8	270.9	332.5	320.5	269.9	279.5	273.3	248.0	244.2	332.0	467.5
WSIP 2030 With Project	246.5	227.3	275.1	340.4	324.5	271.1	279.6	273.7	247.2	250.6	336.1	466.2
Difference	-4.1	-2.5	4.2	8.0	4.0	1.2	0.1	0.5	-0.8	6.4	4.0	-1.3
Percent Difference	-1.6%	-1.1%	1.6%	2.4%	1.3%	0.4%	0.0%	0.2%	-0.3%	2.6%	1.2%	-0.3%
Above Normal (14.6%)												
WSIP 2030 Without Project	263.5	287.3	375.6	436.6	330.1	255.3	318.3	339.9	261.8	249.0	343.1	461.0
WSIP 2030 With Project	257.1	290.4	377.8	453.5	345.9	260.3	319.7	340.1	261.1	248.9	339.6	446.1
Difference	-6.4	3.1	2.2	16.8	15.8	4.9	1.4	0.2	-0.7	-0.1	-3.5	-14.9
Percent Difference	-2.4%	1.1%	0.6%	3.9%	4.8%	1.9%	0.4%	0.1%	-0.3%	0.0%	-1.0%	-3.2%
Below Normal (20.7%)												
WSIP 2030 Without Project	884.4	815.9	746.2	593.4	365.9	300.5	331.6	328.1	261.5	321.8	449.1	772.3
WSIP 2030 With Project	807.4	755.7	700.2	563.9	362.1	303.8	333.0	328.2	261.1	321.5	459.5	771.0
Difference	-77.0	-60.2	-45.9	-29.5	-3.8	3.3	1.4	0.0	-0.4	-0.4	10.4	-1.3
Percent Difference	-8.7%	-7.4%	-6.2%	-5.0%	-1.0%	1.1%	0.4%	0.0%	-0.2%	-0.1%	2.3%	-0.2%
Dry (19.5%)												
WSIP 2030 Without Project	870.6	739.2	642.4	564.6	390.7	304.2	354.5	335.0	275.7	397.8	588.2	780.4
WSIP 2030 With Project	828.6	687.9	640.5	586.2	402.7	314.6	362.8	337.5	274.4	409.1	621.7	796.1
Difference	-42.0	-51.2	-1.9	21.6	11.9	10.4	8.3	2.5	-1.3	11.2	33.5	15.7
Percent Difference	-4.8%	-6.9%	-0.3%	3.8%	3.1%	3.4%	2.3%	0.7%	-0.5%	2.8%	5.7%	2.0%
Critical (14.6%)												
WSIP 2030 Without Project	1002.9	1101.3	993.0	793.5	529.5	390.7	348.1	338.0	375.5	496.8	674.6	788.6
WSIP 2030 With Project	973.9	1062.7	1040.9	793.7	539.6	395.2	353.9	339.8	369.0	475.9	675.3	806.1
Difference	-29.0	-38.6	47.9	0.2	10.1	4.5	5.8	1.7	-6.5	-21.0	0.7	17.5
Percent Difference	-2.9%	-3.5%	4.8%	0.0%	1.9%	1.2%	1.7%	0.5%	-1.7%	-4.2%	0.1%	2.2%

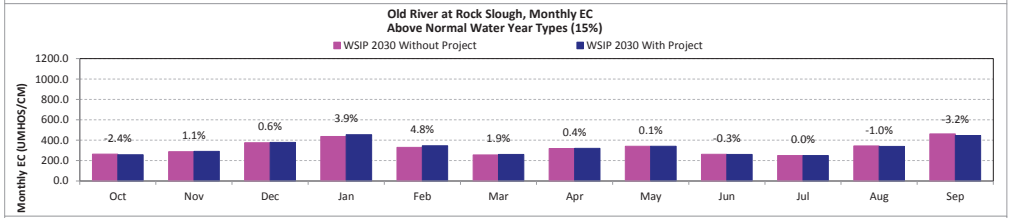
1 Based on the 82-year simulation period

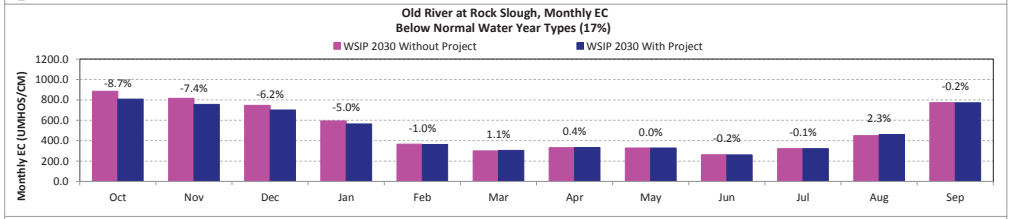
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

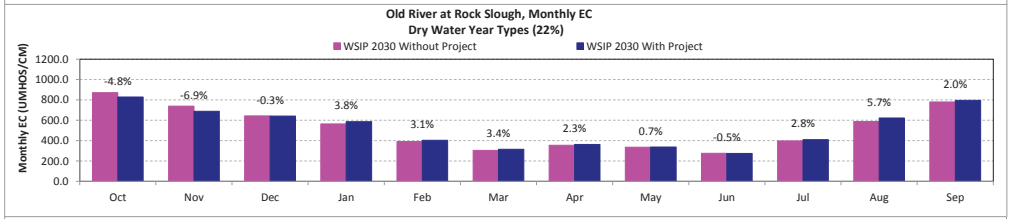
3 Relative difference of the monthly average











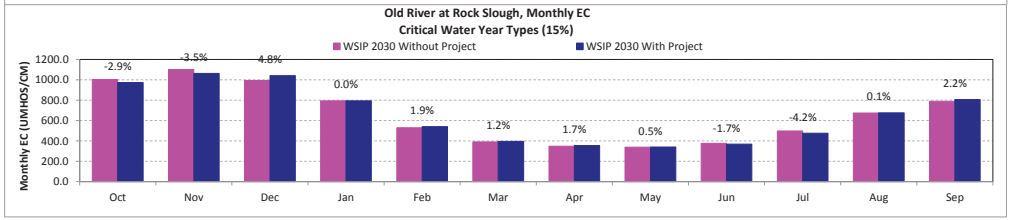


Table SQ-28-a
North Bay Aqueduct Intake (Barker Slough), Monthly EC
Long-term Average and Average by Water Year Type

	Monthly EC (UMHOS/CM)											
Analysis Period	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	191.5	193.6	197.5	212.6	222.3	215.0	206.6	200.7	195.8	191.2	189.8	190.8
WSIP 2030 With Project	190.0	192.0	196.8	212.8	223.1	215.8	207.5	200.9	195.5	190.8	189.6	190.1
Difference	-1.5	-1.6	-0.7	0.2	0.8	0.7	0.9	0.2	-0.3	-0.4	-0.2	-0.7
Percent Difference[3]	-0.8%	-0.8%	-0.4%	0.1%	0.4%	0.3%	0.4%	0.1%	-0.2%	-0.2%	-0.1%	-0.4%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	187.4	190.9	193.6	217.6	225.1	213.0	201.5	194.4	192.2	188.9	188.2	188.6
WSIP 2030 With Project	187.2	190.7	193.8	218.1	225.5	212.7	201.5	194.3	192.0	188.7	188.2	188.5
Difference	-0.2	-0.3	0.1	0.5	0.4	-0.3	0.0	-0.1	-0.2	-0.1	0.0	-0.1
Percent Difference	-0.1%	-0.1%	0.1%	0.2%	0.2%	-0.2%	0.0%	-0.1%	-0.1%	-0.1%	0.0%	-0.1%
Above Normal (14.6%)												
WSIP 2030 Without Project	188.2	189.9	195.4	215.3	223.4	210.1	199.1	194.2	191.7	188.6	187.9	188.9
WSIP 2030 With Project	188.0	189.6	195.7	215.1	224.3	210.3	199.3	194.4	191.8	188.6	187.9	188.8
Difference	-0.3	-0.3	0.3	-0.2	0.9	0.2	0.2	0.2	0.1	0.0	0.0	-0.1
Percent Difference	-0.1%	-0.2%	0.2%	-0.1%	0.4%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	-0.1%
Below Normal (20.7%)												
WSIP 2030 Without Project	189.4	190.8	195.5	212.4	219.3	211.9	203.7	195.4	192.3	188.8	188.3	189.0
WSIP 2030 With Project	188.4	189.8	195.0	212.6	220.5	213.5	204.6	195.5	192.2	188.6	188.1	188.5
Difference	-1.0	-1.0	-0.6	0.2	1.2	1.6	0.9	0.1	-0.1	-0.1	-0.2	-0.5
Percent Difference	-0.5%	-0.5%	-0.3%	0.1%	0.5%	0.7%	0.4%	0.1%	-0.1%	-0.1%	-0.1%	-0.3%
Dry (19.5%)												
WSIP 2030 Without Project	194.3	196.9	200.5	208.1	223.8	222.7	212.8	203.8	194.8	190.7	189.0	191.7
WSIP 2030 With Project	191.1	193.7	198.1	208.6	224.8	223.6	214.4	203.9	194.5	190.5	188.5	189.9
Difference	-3.2	-3.2	-2.4	0.5	1.0	0.8	1.6	0.2	-0.3	-0.2	-0.5	-1.8
Percent Difference	-1.7%	-1.6%	-1.2%	0.2%	0.5%	0.4%	0.8%	0.1%	-0.2%	-0.1%	-0.2%	-0.9%
Critical (14.6%)												
WSIP 2030 Without Project	202.4	202.2	206.8	205.7	217.6	218.4	220.7	223.9	213.8	203.1	198.2	198.6
WSIP 2030 With Project	198.3	197.7	205.1	204.9	218.4	220.5	223.3	225.0	212.3	201.0	197.8	197.3
Difference	-4.0	-4.5	-1.7	-0.7	0.8	2.2	2.7	1.1	-1.5	-2.0	-0.4	-1.3
Percent Difference	-2.0%	-2.2%	-0.8%	-0.4%	0.4%	1.0%	1.2%	0.5%	-0.7%	-1.0%	-0.2%	-0.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

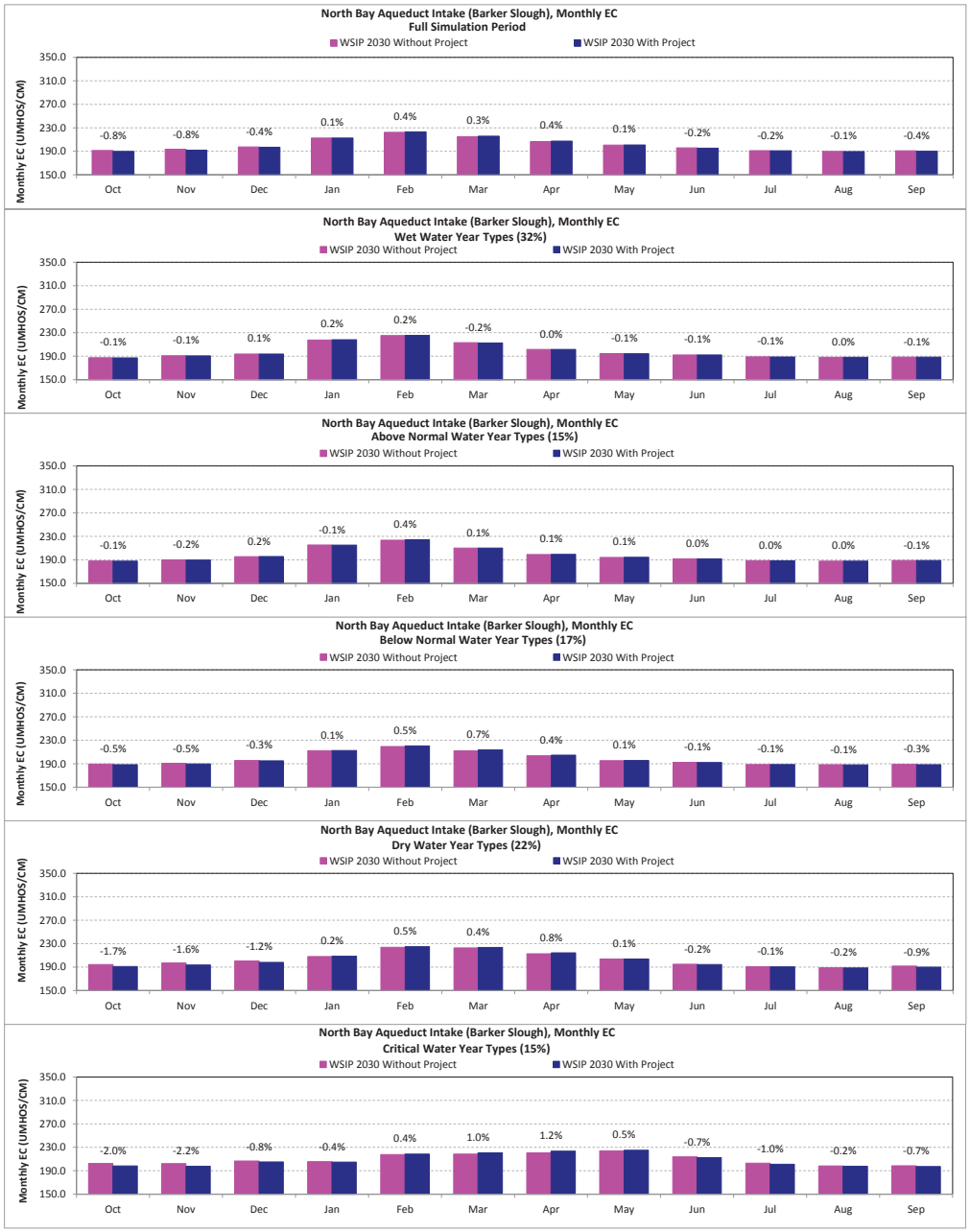


Table SQ-29-a
Old River at Los Vaqueros Intake, Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	562.7	540.7	529.3	549.5	458.5	385.6	361.3	369.6	328.4	328.7	413.3	564.3
WSIP 2030 With Project	543.1	517.6	527.7	549.4	466.0	391.2	364.7	371.4	328.2	328.2	421.6	568.8
Difference	-19.6	-23.1	-1.6	-0.1	7.5	5.6	3.4	1.7	-0.2	-0.5	8.3	4.5
Percent Difference[3]	-3.5%	-4.3%	-0.3%	0.0%	1.6%	1.4%	0.9%	0.5%	-0.1%	-0.1%	2.0%	0.8%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	297.3	271.6	285.0	396.5	368.8	318.0	259.7	271.0	287.7	276.5	314.0	446.5
WSIP 2030 With Project	291.4	267.0	287.0	400.6	373.0	318.6	259.8	271.3	286.3	281.3	318.2	445.5
Difference	-5.9	-4.6	2.0	4.2	4.2	0.7	0.1	0.2	-1.4	4.8	4.2	-1.0
Percent Difference	-2.0%	-1.7%	0.7%	1.0%	1.1%	0.2%	0.0%	0.1%	-0.5%	1.7%	1.3%	-0.2%
Above Normal (14.6%)												
WSIP 2030 Without Project	299.8	309.3	372.1	498.3	414.9	307.3	312.2	356.7	315.0	275.9	317.9	438.3
WSIP 2030 With Project	291.8	309.9	372.8	511.6	437.0	315.5	312.7	357.2	314.3	273.8	315.3	426.1
Difference	-8.0	0.6	0.6	13.2	22.1	8.2	0.5	0.4	-0.7	-2.1	-2.5	-12.2
Percent Difference	-2.7%	0.2%	0.2%	2.7%	5.3%	2.7%	0.2%	0.1%	-0.2%	-0.8%	-0.8%	-2.8%
Below Normal (20.7%)												
WSIP 2030 Without Project	765.6	718.5	680.7	615.9	465.4	398.0	372.9	390.9	314.4	312.3	402.9	658.1
WSIP 2030 With Project	713.8	672.5	646.3	590.0	461.6	400.1	372.9	390.8	314.2	311.6	410.0	661.6
Difference	-51.8	-46.0	-34.4	-25.9	-3.7	2.1	0.0	0.0	-0.1	-0.7	7.2	3.5
Percent Difference	-6.8%	-6.4%	-5.1%	-4.2%	-0.8%	0.5%	0.0%	0.0%	0.0%	-0.2%	1.8%	0.5%
Dry (19.5%)												
WSIP 2030 Without Project	759.5	662.0	592.3	584.8	498.7	419.9	436.1	443.3	344.1	371.3	523.1	666.3
WSIP 2030 With Project	737.1	621.2	591.2	600.3	510.3	433.9	446.4	447.2	344.3	375.3	550.4	682.3
Difference	-22.4	-40.7	-1.2	15.4	11.6	13.9	10.3	3.9	0.1	4.0	27.3	16.0
Percent Difference	-2.9%	-6.2%	-0.2%	2.6%	2.3%	3.3%	2.4%	0.9%	0.0%	1.1%	5.2%	2.4%
Critical (14.6%)												
WSIP 2030 Without Project	828.7	919.0	896.6	778.5	625.8	541.3	506.1	459.8	425.5	456.5	583.7	667.0
WSIP 2030 With Project	818.5	889.8	931.1	771.7	636.0	548.3	514.8	465.4	427.4	441.1	587.6	685.6
Difference	-10.1	-29.2	34.6	-6.8	10.2	7.0	8.6	5.6	2.0	-15.4	3.9	18.7
Percent Difference	-1.2%	-3.2%	3.9%	-0.9%	1.6%	1.3%	1.7%	1.2%	0.5%	-3.4%	0.7%	2.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

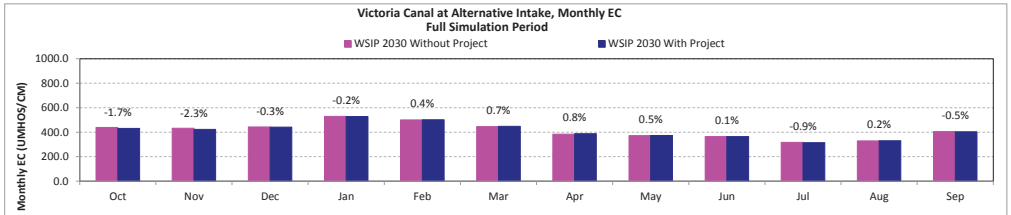
Table SQ-30-a
Victoria Canal at Alternative Intake, Monthly EC
Long-term Average and Average by Water Year Type

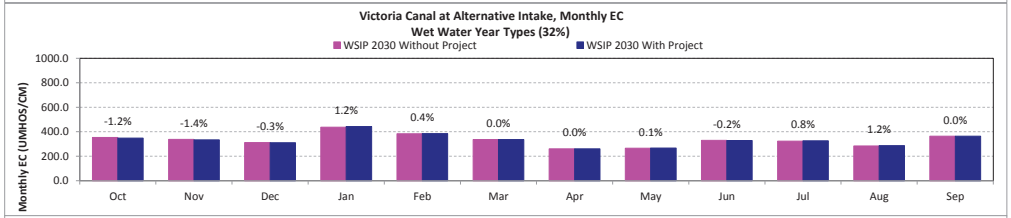
Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	439.2	433.0	442.4	529.5	500.5	445.4	384.5	372.3	364.3	317.3	328.9	405.1
WSIP 2030 With Project	431.8	423.0	441.2	528.6	502.6	448.5	387.5	374.0	364.8	314.6	329.7	403.2
Difference	-7.4	-10.0	-1.2	-0.8	2.1	3.2	3.0	1.7	0.5	-2.7	0.8	-1.9
Percent Difference[3]	-1.7%	-2.3%	-0.3%	-0.2%	0.4%	0.7%	0.8%	0.5%	0.1%	-0.9%	0.2%	-0.5%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	352.9	338.4	311.7	437.9	383.3	336.0	260.2	266.3	329.4	323.6	283.4	364.0
WSIP 2030 With Project	348.7	333.8	310.7	442.9	384.7	336.1	260.3	266.6	328.7	326.2	286.9	364.1
Difference	-4.1	-4.6	-1.0	5.1	1.4	0.1	0.1	0.3	-0.7	2.6	3.5	0.1
Percent Difference	-1.2%	-1.4%	-0.3%	1.2%	0.4%	0.0%	0.0%	0.1%	-0.2%	0.8%	1.2%	0.0%
Above Normal (14.6%)												
WSIP 2030 Without Project	347.1	348.8	360.9	498.8	468.6	355.2	319.7	348.9	365.3	308.6	272.2	350.0
WSIP 2030 With Project	339.8	345.8	359.0	501.3	479.2	359.0	320.1	349.4	365.4	304.5	270.7	343.1
Difference	-7.3	-3.0	-1.9	2.5	10.6	3.8	0.4	0.5	0.1	-4.0	-1.5	-6.9
Percent Difference	-2.1%	-0.9%	-0.5%	0.5%	2.3%	1.1%	0.1%	0.1%	0.0%	-1.3%	-0.6%	-2.0%
Below Normal (20.7%)												
WSIP 2030 Without Project	488.3	479.8	508.0	570.9	532.9	475.8	399.9	388.3	351.4	278.6	306.1	423.0
WSIP 2030 With Project	473.4	468.6	494.8	557.0	522.5	476.0	400.3	388.3	351.5	277.5	306.6	425.7
Difference	-14.9	-11.2	-13.2	-13.9	-10.4	0.2	0.4	0.1	0.1	-1.1	0.5	2.7
Percent Difference	-3.1%	-2.3%	-2.6%	-2.4%	-2.0%	0.0%	0.1%	0.0%	0.0%	-0.4%	0.2%	0.6%
Dry (19.5%)												
WSIP 2030 Without Project	508.1	472.8	472.9	549.1	569.2	536.5	487.1	457.9	383.3	309.7	387.2	442.2
WSIP 2030 With Project	500.9	457.2	476.6	555.2	575.9	543.9	496.2	462.0	384.1	303.4	392.9	441.3
Difference	-7.2	-15.7	3.8	6.1	6.7	7.3	9.0	4.1	0.8	-6.3	5.7	-0.9
Percent Difference	-1.4%	-3.3%	0.8%	1.1%	1.2%	1.4%	1.9%	0.9%	0.2%	-2.0%	1.5%	-0.2%
Critical (14.6%)												
WSIP 2030 Without Project	549.4	594.8	662.8	666.2	638.7	598.7	549.9	479.7	429.3	378.0	435.1	471.1
WSIP 2030 With Project	545.6	575.7	672.2	658.9	645.6	606.3	557.2	485.0	432.7	368.1	426.6	462.3
Difference	-3.9	-19.1	9.4	-7.3	6.9	7.5	7.3	5.3	3.4	-9.9	-8.5	-8.7
Percent Difference	-0.7%	-3.2%	1.4%	-1.1%	1.1%	1.3%	1.3%	1.1%	0.8%	-2.6%	-2.0%	-1.9%

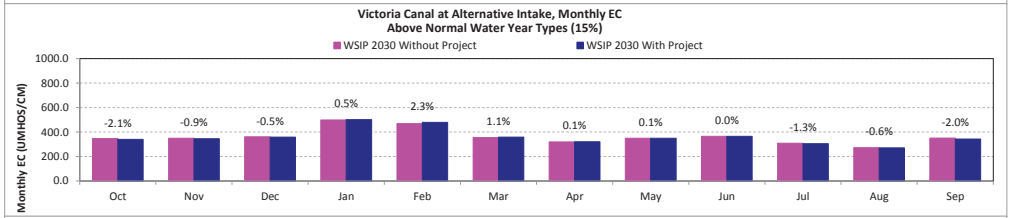
1 Based on the 82-year simulation period

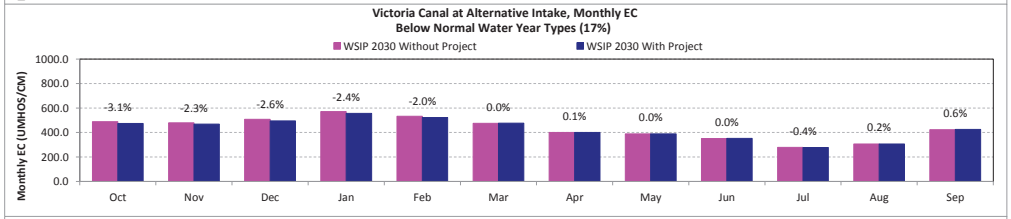
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

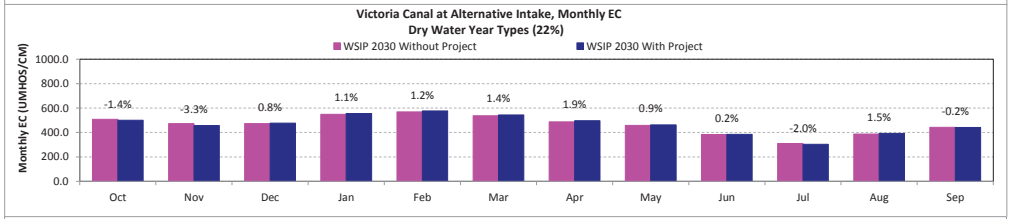
3 Relative difference of the monthly average











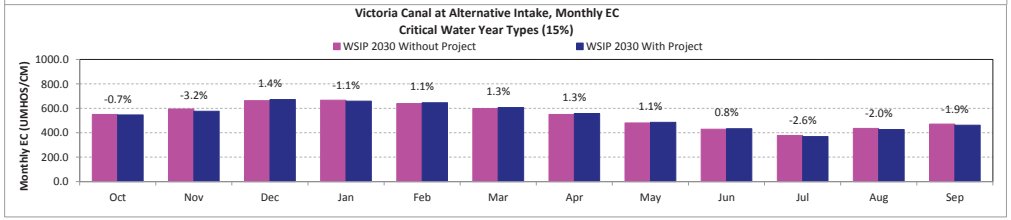


Table SQ-31-a
Clifton Court Forebay, Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	522.4	506.3	508.2	551.2	489.1	426.3	385.7	377.7	372.9	335.7	379.4	504.2
WSIP 2030 With Project	512.4	486.1	506.1	549.9	492.5	430.5	388.6	378.6	371.6	331.9	384.7	508.7
Difference	-10.0	-20.2	-2.0	-1.4	3.4	4.2	2.9	0.9	-1.3	-3.8	5.3	4.5
Percent Difference[3]	-1.9%	-4.0%	-0.4%	-0.2%	0.7%	1.0%	0.7%	0.2%	-0.4%	-1.1%	1.4%	0.9%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	333.0	301.7	305.4	406.8	359.5	319.2	270.8	260.1	306.2	303.8	300.2	428.6
WSIP 2030 With Project	327.0	296.9	305.3	413.2	359.3	319.1	270.9	260.3	306.7	307.4	304.6	427.8
Difference	-5.9	-4.7	-0.2	6.4	-0.3	-0.2	0.1	0.2	0.4	3.6	4.4	-0.7
Percent Difference	-1.8%	-1.6%	-0.1%	1.6%	-0.1%	0.0%	0.0%	0.1%	0.1%	1.2%	1.5%	-0.2%
Above Normal (14.6%)												
WSIP 2030 Without Project	325.9	325.5	376.6	497.2	446.5	335.7	315.8	335.9	351.2	300.7	297.5	418.7
WSIP 2030 With Project	316.7	323.9	376.6	501.5	453.1	339.8	316.5	336.2	349.5	297.0	295.5	408.5
Difference	-9.2	-1.6	0.0	4.3	6.6	4.1	0.7	0.4	-1.7	-3.7	-2.0	-10.2
Percent Difference	-2.8%	-0.5%	0.0%	0.9%	1.5%	1.2%	0.2%	0.1%	-0.5%	-1.2%	-0.7%	-2.4%
Below Normal (20.7%)												
WSIP 2030 Without Project	671.3	640.5	626.7	616.7	517.8	437.6	386.6	382.3	360.3	305.3	364.4	560.0
WSIP 2030 With Project	637.1	603.6	602.1	596.7	508.7	437.1	386.1	382.3	359.7	304.1	368.6	567.6
Difference	-34.1	-36.9	-24.5	-20.1	-9.1	-0.5	-0.4	0.0	-0.6	-1.2	4.2	7.6
Percent Difference	-5.1%	-5.8%	-3.9%	-3.3%	-1.7%	-0.1%	-0.1%	0.0%	-0.2%	-0.4%	1.2%	1.4%
Dry (19.5%)												
WSIP 2030 Without Project	673.8	604.3	558.7	591.1	563.5	507.7	467.8	463.8	415.1	359.2	472.9	571.8
WSIP 2030 With Project	668.0	568.6	557.4	600.6	573.2	518.3	476.9	466.3	409.3	350.2	490.9	585.9
Difference	-5.9	-35.6	-1.4	9.5	9.8	10.6	9.2	2.6	-5.8	-8.9	18.0	14.1
Percent Difference	-0.9%	-5.9%	-0.2%	1.6%	1.7%	2.1%	2.0%	0.5%	-1.4%	-2.5%	3.8%	2.5%
Critical (14.6%)												
WSIP 2030 Without Project	700.5	792.4	826.8	759.9	661.9	615.6	584.4	543.2	495.1	448.9	522.8	578.4
WSIP 2030 With Project	710.1	765.8	849.7	748.9	679.2	627.1	591.4	545.0	495.5	432.5	522.0	591.3
Difference	9.6	-26.6	22.9	-11.1	17.3	11.6	7.0	1.8	0.3	-16.4	-0.8	12.9
Percent Difference	1.4%	-3.4%	2.8%	-1.5%	2.6%	1.9%	1.2%	0.3%	0.1%	-3.6%	-0.2%	2.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

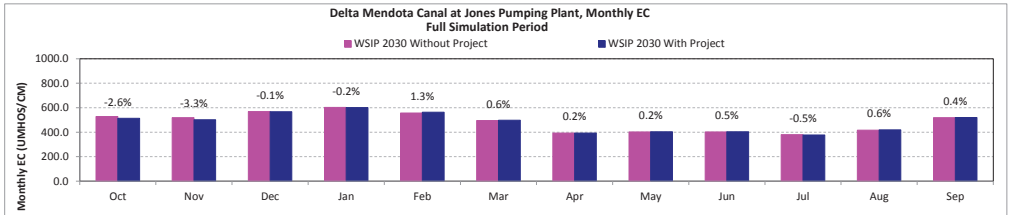
Table SQ-32-a
Delta Mendota Canal at Jones Pumping Plant, Monthly EC
Long-term Average and Average by Water Year Type

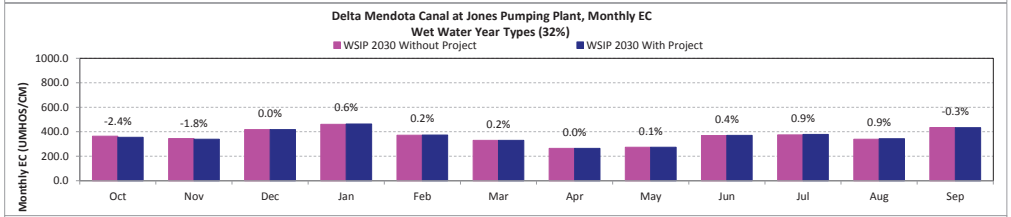
Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	527.6	518.3	568.4	602.4	556.7	495.3	392.6	402.6	402.1	380.0	416.4	518.5
WSIP 2030 With Project	514.0	501.5	567.5	601.1	564.0	498.4	393.2	403.5	404.2	378.0	419.1	520.5
Difference	-13.6	-16.9	-0.8	-1.3	7.3	3.1	0.6	0.9	2.1	-2.0	2.7	2.0
Percent Difference[3]	-2.6%	-3.3%	-0.1%	-0.2%	1.3%	0.6%	0.2%	0.2%	0.5%	-0.5%	0.6%	0.4%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	363.6	344.9	417.8	461.1	372.4	329.4	264.5	273.8	368.7	374.7	339.3	434.8
WSIP 2030 With Project	354.8	338.7	418.0	463.9	373.2	329.9	264.6	274.0	370.3	377.8	342.4	433.6
Difference	-8.9	-6.2	0.2	2.7	0.8	0.5	0.1	0.2	1.7	3.2	3.1	-1.1
Percent Difference	-2.4%	-1.8%	0.0%	0.6%	0.2%	0.2%	0.0%	0.1%	0.4%	0.9%	0.9%	-0.3%
Above Normal (14.6%)												
WSIP 2030 Without Project	365.3	376.8	496.5	554.4	463.3	356.1	320.9	364.1	409.2	374.2	344.7	439.1
WSIP 2030 With Project	357.6	372.8	494.2	557.0	470.5	357.5	321.2	364.4	411.0	364.1	341.7	426.2
Difference	-7.6	-4.0	-2.3	2.6	7.1	1.4	0.3	0.3	1.8	-10.1	-3.1	-13.0
Percent Difference	-2.1%	-1.1%	-0.5%	0.5%	1.5%	0.4%	0.1%	0.1%	0.4%	-2.7%	-0.9%	-3.0%
Below Normal (20.7%)												
WSIP 2030 Without Project	642.3	626.2	647.5	667.0	590.5	502.9	375.1	409.9	382.4	342.8	409.3	573.8
WSIP 2030 With Project	613.0	597.5	631.6	652.1	599.2	503.5	375.3	409.9	383.0	341.2	409.5	578.5
Difference	-29.3	-28.7	-15.8	-14.9	8.7	0.6	0.3	0.0	0.6	-1.6	0.2	4.7
Percent Difference	-4.6%	-4.6%	-2.4%	-2.2%	1.5%	0.1%	0.1%	0.0%	0.2%	-0.5%	0.0%	0.8%
Dry (19.5%)												
WSIP 2030 Without Project	652.0	589.4	598.5	662.2	703.2	618.4	491.2	504.7	413.9	383.2	498.9	587.6
WSIP 2030 With Project	639.4	562.7	598.0	670.0	704.0	626.8	492.9	506.1	416.3	383.2	512.9	597.7
Difference	-12.6	-26.7	-0.4	7.8	0.8	8.5	1.7	1.4	2.4	0.0	14.0	10.1
Percent Difference	-1.9%	-4.5%	-0.1%	1.2%	0.1%	1.4%	0.3%	0.3%	0.6%	0.0%	2.8%	1.7%
Critical (14.6%)												
WSIP 2030 Without Project	703.3	773.8	801.8	773.1	790.7	805.5	624.7	562.9	477.0	445.7	548.8	601.8
WSIP 2030 With Project	694.5	751.5	821.0	767.1	818.1	812.1	625.6	566.3	482.1	437.6	544.8	610.5
Difference	-8.8	-22.3	19.2	-6.0	27.4	6.6	0.9	3.4	5.0	-8.0	-4.0	8.7
Percent Difference	-1.3%	-2.9%	2.4%	-0.8%	3.5%	0.8%	0.1%	0.6%	1.1%	-1.8%	-0.7%	1.4%

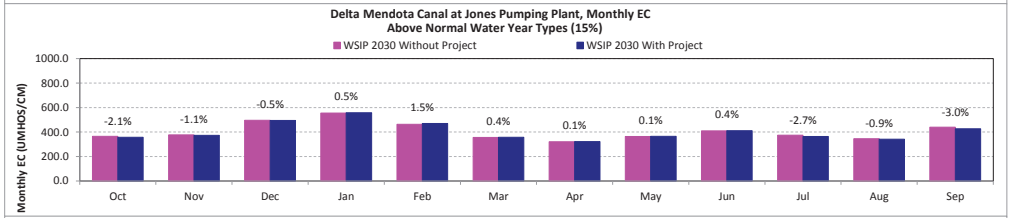
1 Based on the 82-year simulation period

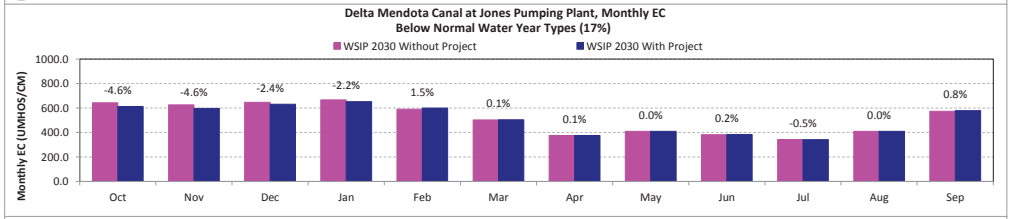
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

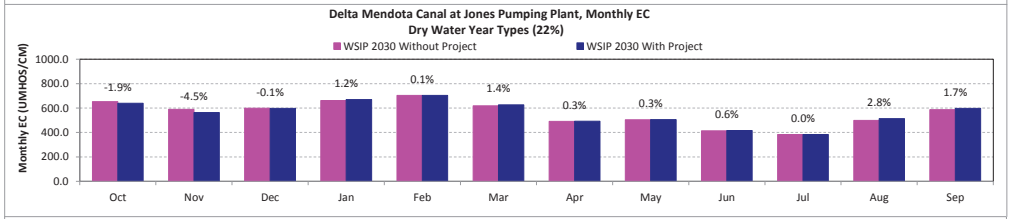
3 Relative difference of the monthly average

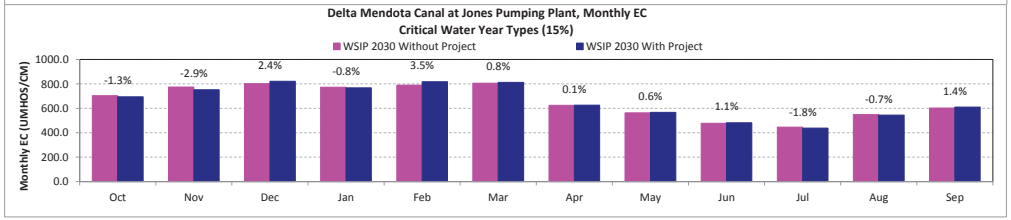












Sacramento-San Joaquin Delta Modeling

Exceedance Probability Charts and Tables

Figure SQ-01-b
X2, Monthly Position
Probability of Exceedance

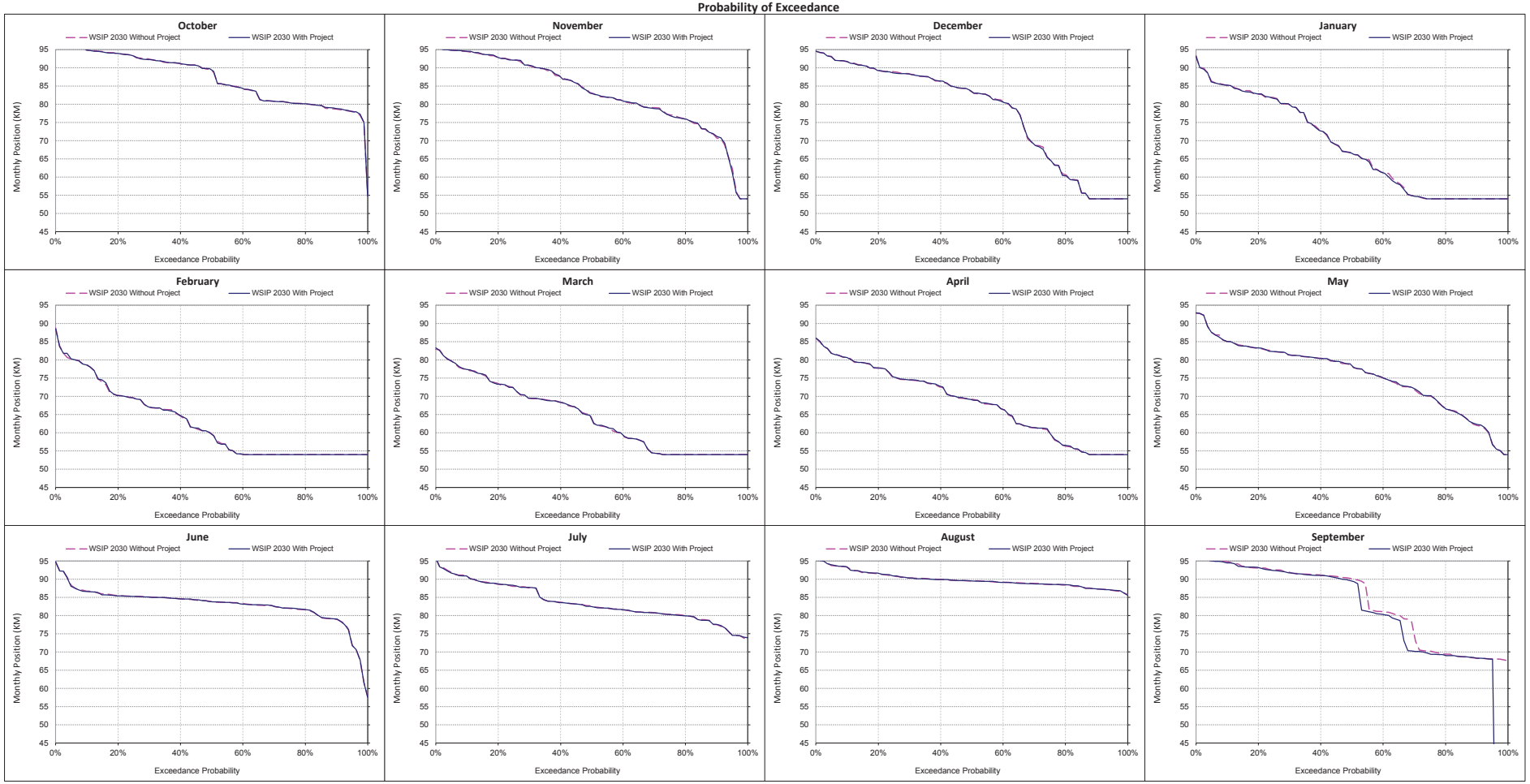


Table SQ-01-b

X2, Monthly Position

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Position (KM)	WSIP 2030 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	97.8	97.7	0	-0.2%
1.2%	97.4	97.4	0	-0.1%
2.5%	97.0	97.2	0	0.2%
3.7%	97.0	96.9	0	0.0%
4.9%	96.6	96.5	0	-0.1%
6.2%	96.4	96.4	0	0.0%
7.4%	95.9	96.1	0	0.2%
8.6%	95.7	95.7	0	0.0%
9.9%	94.8	94.9	0	0.0%
11.1%	94.8	94.7	0	-0.1%
12.3%	94.8	94.6	0	-0.2%
13.6%	94.6	94.6	0	0.0%
14.8%	94.5	94.4	0	-0.1%
16.0%	94.2	94.2	0	0.0%
17.3%	94.2	94.1	0	-0.1%
18.5%	94.2	94.1	0	-0.1%
19.8%	93.9	94.0	0	0.1%
21.0%	93.8	93.8	0	0.0%
22.2%	93.8	93.6	0	-0.2%
23.5%	93.6	93.6	0	0.0%
24.7%	93.4	93.4	0	0.0%
25.9%	92.7	92.9	0	0.2%
27.2%	92.7	92.5	0	-0.2%
28.4%	92.5	92.4	0	-0.1%
29.6%	92.5	92.3	0	-0.2%
30.9%	92.2	92.3	0	0.1%
32.1%	92.1	92.0	0	-0.1%
33.3%	92.0	91.9	0	-0.1%
34.6%	91.5	91.7	0	0.2%
35.8%	91.5	91.5	0	0.0%
37.0%	91.5	91.4	0	-0.1%
38.3%	91.3	91.4	0	0.1%
39.5%	91.3	91.3	0	0.0%
40.7%	90.9	91.1	0	0.2%
42.0%	90.8	90.9	0	0.1%
43.2%	90.8	90.8	0	0.0%
44.4%	90.8	90.8	0	-0.1%
45.7%	90.6	90.5	0	-0.1%
46.9%	90.0	89.8	0	-0.2%
48.1%	89.7	89.8	0	0.1%
49.4%	89.6	89.8	0	0.2%
50.6%	88.8	89.0	0	0.3%
51.9%	85.8	85.6	0	-0.2%
53.1%	85.6	85.6	0	0.0%
54.3%	85.4	85.4	0	0.0%
55.6%	85.0	85.3	0	0.4%
56.8%	84.9	85.0	0	0.1%
58.0%	84.9	84.7	0	-0.2%
59.3%	84.6	84.6	0	0.0%
60.5%	84.1	84.2	0	0.1%
61.7%	84.0	84.1	0	0.1%
63.0%	83.8	83.9	0	0.1%
64.2%	83.3	83.6	0	0.3%
65.4%	81.3	81.3	0	0.0%
66.7%	81.0	80.9	0	-0.1%
67.9%	81.0	80.9	0	-0.2%
69.1%	80.8	80.9	0	0.1%
70.4%	80.8	80.8	0	0.0%
71.6%	80.7	80.7	0	0.0%
72.8%	80.7	80.7	0	-0.1%
74.1%	80.6	80.6	0	0.0%
75.3%	80.3	80.3	0	0.0%
76.5%	80.3	80.2	0	0.0%
77.8%	80.3	80.2	0	0.0%
79.0%	80.2	80.1	0	-0.1%
80.2%	80.0	80.1	0	0.1%
81.5%	80.0	80.0	0	0.0%
82.7%	79.9	79.8	0	0.0%
84.0%	79.8	79.7	0	-0.2%
85.2%	79.7	79.6	0	-0.1%
86.4%	78.9	79.2	0	0.3%
87.7%	78.8	79.1	0	0.3%
88.9%	78.7	79.0	0	0.3%
90.1%	78.6	78.8	0	0.1%
91.4%	78.5	78.7	0	0.3%
92.6%	78.4	78.5	0	0.1%
93.8%	78.1	78.3	0	0.2%
95.1%	78.1	77.9	0	-0.2%
96.3%	77.7	77.9	0	0.3%
97.5%	77.0	77.3	0	0.4%
98.8%	75.0	75.0	0	-0.1%
100.0%	54.8	54.8	0	0.1%

November				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Position (KM)	WSIP 2030 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	96.2	96.1	0	-0.1%
1.2%	95.5	95.4	0	-0.2%
2.5%	95.1	95.0	0	-0.1%
3.7%	95.0	95.0	0	-0.1%
4.9%	94.9	94.8	0	-0.1%
6.2%	94.8	94.8	0	0.0%
7.4%	94.8	94.8	0	0.0%
8.6%	94.5	94.7	0	0.1%
9.9%	94.5	94.5	0	0.0%
11.1%	94.3	94.5	0	0.2%
12.3%	94.3	94.2	0	0.0%
13.6%	94.0	94.2	0	0.2%
14.8%	93.8	93.8	0	-0.1%
16.0%	93.7	93.6	0	-0.1%
17.3%	93.4	93.6	0	0.2%
18.5%	93.4	93.5	0	0.1%
19.8%	92.9	92.9	0	0.0%
21.0%	92.7	92.6	0	-0.1%
22.2%	92.6	92.6	0	-0.1%
23.5%	92.3	92.2	0	-0.1%
24.7%	92.2	92.1	0	-0.1%
25.9%	92.1	92.1	0	0.0%
27.2%	91.7	92.0	0	0.4%
28.4%	90.8	90.8	0	0.0%
29.6%	90.7	90.8	0	0.1%
30.9%	90.3	90.5	0	0.2%
32.1%	90.0	90.0	0	0.0%
33.3%	89.8	90.0	0	0.2%
34.6%	89.7	89.8	0	0.1%
35.8%	89.3	89.5	0	0.3%
37.0%	89.3	89.2	0	-0.1%
38.3%	87.9	88.3	0	0.5%
39.5%	87.8	87.9	0	0.1%
40.7%	87.2	86.9	0	-0.4%
42.0%	86.7	86.9	0	0.1%
43.2%	86.5	86.6	0	0.0%
44.4%	86.1	86.0	0	-0.2%
45.7%	85.5	85.6	0	0.2%
46.9%	84.7	84.5	0	-0.2%
48.1%	84.2	83.9	0	-0.3%
49.4%	83.2	83.1	0	-0.2%
50.6%	82.9	82.8	0	-0.2%
51.9%	82.2	82.5	0	0.4%
53.1%	82.1	82.2	0	0.2%
54.3%	82.0	82.0	0	0.0%
55.6%	81.8	81.9	0	0.1%
56.8%	81.8	81.8	0	0.0%
58.0%	81.3	81.3	0	0.0%
59.3%	81.2	81.1	0	-0.1%
60.5%	80.6	80.8	0	0.2%
61.7%	80.5	80.6	0	0.2%
63.0%	80.3	80.3	0	0.0%
64.2%	80.2	80.3	0	0.1%
65.4%	79.7	79.7	0	0.1%
66.7%	79.3	79.2	0	-0.1%
67.9%	79.2	79.1	0	-0.1%
69.1%	79.1	78.9	0	-0.2%
70.4%	79.1	78.8	0	-0.3%
71.6%	79.0	78.7	0	-0.3%
72.8%	78.2	77.9	0	-0.4%
74.1%	77.3	77.3	0	0.1%
75.3%	77.1	76.8	0	-0.4%
76.5%	76.9	76.4	-1	-0.7%
77.8%	76.4	76.3	0	-0.2%
79.0%	76.2	76.1	0	-0.1%
80.2%	75.8	76.0	0	0.2%
81.5%	75.5	75.4	0	0.0%
82.7%	74.7	75.1	0	0.5%
84.0%	74.7	74.8	0	0.2%
85.2%	73.3	73.3	0	0.1%
86.4%	73.1	73.2	0	0.2%
87.7%	72.1	72.3	0	0.3%
88.9%	71.8	72.0	0	0.2%
90.1%	70.7	71.1	0	0.7%
91.4%	70.7	70.8	0	0.2%
92.6%	68.8	69.3	0	0.7%
93.8%	65.5	65.2	0	-0.4%
95.1%	62.2	61.2	-1	-1.6%
96.3%	56.0	55.7	0	-0.5%
97.5%	54.0	54.0	0	0.0%
98.8%	54.0	54.0	0	0.0%
100.0%	54.0	54.0	0	0.0%

December				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Position (KM)	WSIP 2030 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	94.6	94.6	0	0.0%
1.2%	94.2	94.3	0	0.1%
2.5%	94.1	94.0	0	-0.1%
3.7%	93.3	93.3	0	0.0%
4.9%	93.2	93.0	0	-0.1%
6.2%	92.1	92.0	0	0.0%
7.4%	92.0	92.0	0	0.0%
8.6%	91.9	92.0	0	0.1%
9.9%	91.7	91.8	0	0.1%
11.1%	91.4	91.3	0	-0.1%
12.3%	91.3	91.2	0	-0.1%
13.6%	90.9	90.8	0	-0.1%
14.8%	90.8	90.7	0	-0.1%
16.0%	90.6	90.5	0	-0.1%
17.3%	90.0	90.0	0	0.0%
18.5%	89.8	90.0	0	0.1%
19.8%	89.4	89.3	0	-0.2%
21.0%	89.1	89.2	0	0.1%
22.2%	89.0	88.9	0	-0.1%
23.5%	89.0	88.9	0	-0.1%
24.7%	89.0	88.7	0	-0.3%
25.9%	88.8	88.5	0	-0.3%
27.2%	88.6	88.4	0	-0.2%
28.4%	88.5	88.4	0	-0.1%
29.6%	88.4	88.3	0	-0.1%
30.9%	88.2	88.1	0	-0.1%
32.1%	88.1	88.0	0	-0.1%
33.3%	87.7	87.8	0	0.1%
34.6%	87.6	87.7	0	0.0%
35.8%	87.5	87.6	0	0.1%
37.0%	87.2	87.1	0	-0.2%
38.3%	86.4	86.6	0	0.2%
39.5%	86.4	86.4	0	0.0%
40.7%	85.9	86.4	0	0.6%
42.0%	85.9	85.7	0	-0.2%
43.2%	84.9	85.1	0	0.1%
44.4%	84.7	84.8	0	0.1%
45.7%	84.5	84.5	0	0.0%
46.9%	84.4	84.4	0	0.1%
48.1%	84.4	84.4	0	0.0%
49.4%	83.7	83.9	0	0.2%
50.6%	83.0	83.1	0	0.1%
51.9%	82.9	83.0	0	0.2%
53.1%	82.9	82.9	0	0.0%
54.3%	82.8	82.8	0	0.0%
55.6%	82.2	82.3	0	0.0%
56.8%	81.7	81.3	0	-0.6%
58.0%	81.3	81.2	0	-0.1%
59.3%	81.2	80.9	0	-0.4%
60.5%	80.3	80.4	0	0.2%
61.7%	80.1	80.2	0	0.2%
63.0%	78.9	79.0	0	0.1%
64.2%	78.8	78.7	0	-0.1%
65.4%	77.0	77.1	0	0.1%
66.7%	73.6	73.7	0	0.1%
67.9%	70.5	71.0	1	0.7%
69.1%	69.6	69.6	0	0.0%
70.4%	68.7	68.7	0	0.0%
71.6%	68.6	68.3	0	-0.5%
72.8%	68.3	67.6	-1	-1.0%
74.1%	65.6	65.4	0	-0.3%
75.3%	64.4	64.6	0	0.3%
76.5%	63.4	63.2	0	-0.2%
77.8%	63.2	63.2	0	-0.1%
79.0%	60.9	60.4	0	-0.8%
80.2%	60.6	60.3	0	-0.4%
81.5%	59.4	59.3	0	-0.1%
82.7%	59.3	59.2	0	-0.2%
84.0%	59.1	59.1	0	0.0%
85.2%	55.6	55.6	0	-0.1%
86.4%	55.6	55.5	0	-0.1%
87.7%	54.0	54.0	0	0.0%
88.9%	54.0	54.0	0	0.0%
90.1%	54.0	54.0	0	0.0%
91.4%	54.0	54.0	0	0.0%
92.6%	54.0	54.0	0	0.0%
93.8%	54.0	54.0	0	0.0%
95.1%	54.0	54.0	0	0.0%
96.3%	54.0	54.0	0	0.0%
97.5%	54.0	54.0	0	0.0%
98.8%	54.0	54.0	0	0.0%
100.0%	54.0	54.0	0	0.0%

January				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Position (KM)	WSIP 2030 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	93.4	93.2	0	-0.2%
1.2%	90.1	90.1	0	-0.1%
2.5%	89.9	89.6	0	-0.3%
3.7%	88.6	88.6	0	0.0%
4.9%	86.3	86.2	0	-0.2%
6.2%	85.9	85.9	0	0.0%
7.4%	85.7	85.5	0	-0.2%
8.6%	85.5	85.4	0	-0.1%
9.9%	85.1	85.3	0	0.1%
11.1%	85.1	85.1	0	0.0%
12.3%	84.6	84.3	0	-0.3%
13.6%	84.1	84.2	0	0.1%
14.8%	83.8	83.6	0	-0.3%
16.0%	83.8	83.5	0	-0.4%
17.3%	83.7	83.3	0	-0.5%
18.5%	82.9	83.0	0	0.2%
19.8%	82.8	82.9	0	0.1%
21.0%	82.7	82.8	0	0.2%
22.2%	82.0	82.1	0	0.2%
23.5%	81.9	82.0	0	0.1%
24.7%	81.9	81.7	0	-0.2%
25.9%	81.6	81.4	0	-0.2%
27.2%	80.1	80.2	0	0.1%
28.4%	80.1	80.2	0	0.1%
29.6%	80.0	80.2	0	0.2%
30.9%	79.5	79.3	0	-0.3%
32.1%	79.1	79.1	0	0.0%
33.3%	77.7	77.8	0	0.0%
34.6%	77.7	77.7	0	0.1%
35.8%	74.9	75.1	0	0.2%
37.0%	74.4	74.6	0	0.3%
38.3%	74.0	73.6	0	-0.5%
39.5%	73.0	72.8	0	-0.3%
40.7%	72.5	72.5	0	0.0%
42.0%	71.4	71.7	0	0.5%
43.2%	69.7	69.7	0	-0.1%
44.4%	69.1	69.1	0	0.1%
45.7%	68.5	68.6	0	0.3%
46.9%	67.2	67.0	0	-0.2%
48.1%	66.9	66.9	0	0.0%
49.4%	66.7	66.8	0	0.2%
50.6%	66.1	66.3	0	0.2%
51.9%	66.1	66.1	0	0.0%
53.1%	65.2	65.1	0	-0.2%
54.3%	64.8	64.8	0	0.0%
55.6%	64.7	64.2	-1	-0.8%
56.8%	62.5	62.1	0	-0.6%
58.0%	62.1	62.0	0	-0.2%
59.3%	61.4	61.4	0	-0.1%
60.5%	61.0	61.0	0	0.0%
61.7%	61.0	60.0	-1	-1.6%
63.0%	59.6	59.0	-1	-1.0%
64.2%	58.8	58.3	-1	-0.9%
65.4%	58.1	57.9	0	-0.4%
66.7%	57.1	56.6	0	-0.8%
67.9%	55.2	55.2	0	0.1%
69.1%	55.0	54.9	0	-0.1%
70.4%	54.8	54.7	0	-0.2%
71.6%	54.5	54.6	0	0.1%
72.8%	54.2	54.3	0	0.2%
74.1%	54.0	54.0	0	0.0%
75.3%	54.0	54.0	0	0.0%
76.5%	54.0	54.0	0	0.0%
77.8%	54.0	54.0	0	0.0%
79.0%	54.0	54.0	0	0.0%
80.2%	54.0	54.0	0	0.0%
81.5%	54.0	54.0	0	0.0%
82.7%	54.0	54.0	0	0.0%
84.0%	54.0	54.0	0	0.0%
85.2%	54.0	54.0	0	0.0%
86.4%	54.0	54.0	0	0.0%
87.7%	54.0	54.0	0	0.0%
88.9%	54.0	54.0	0	0.0%
90.1%	54.0	54.0	0	0.0%
91.4%	54.0	54.0	0	0.0%
92.6%	54.0	54.0	0	0.0%
93.8%	54.0	54.0	0	0.0%
95.1%	54.0	54.0	0	0.0%
96.3%	54.0	54.0	0	0.0%
97.5%	54.0	54.0	0	0.0%
98.8%	54.0	54.0	0	0.0%
100.0%	54.0	54.0	0	0.0%

Table SQ-01-b

X2, Monthly Position

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Position (KM)	WSIP 2030 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	88.8	88.5	0	-0.3%
1.2%	84.0	83.7	0	-0.4%
2.5%	81.9	81.8	0	-0.1%
3.7%	80.7	81.8	1	1.4%
4.9%	80.3	80.3	0	0.1%
6.2%	80.0	80.0	0	0.0%
7.4%	79.8	79.7	0	-0.1%
8.6%	78.9	78.9	0	-0.1%
9.9%	78.8	78.6	0	-0.3%
11.1%	78.0	78.1	0	0.0%
12.3%	77.0	77.1	0	0.1%
13.6%	74.7	74.7	0	0.0%
14.8%	74.0	74.5	0	0.6%
16.0%	73.3	73.8	1	0.7%
17.3%	71.1	71.5	0	0.5%
18.5%	70.5	70.7	0	0.3%
19.8%	70.3	70.2	0	-0.2%
21.0%	70.1	70.2	0	0.0%
22.2%	70.1	70.0	0	-0.2%
23.5%	69.8	69.7	0	-0.2%
24.7%	69.6	69.6	0	0.0%
25.9%	69.2	69.2	0	0.0%
27.2%	69.1	69.1	0	0.0%
28.4%	67.7	67.9	0	0.2%
29.6%	67.0	67.1	0	0.1%
30.9%	66.9	66.9	0	0.0%
32.1%	66.8	66.8	0	0.1%
33.3%	66.8	66.8	0	0.1%
34.6%	66.4	66.2	0	-0.3%
35.8%	66.3	66.2	0	-0.2%
37.0%	66.3	66.0	0	-0.5%
38.3%	65.4	65.7	0	0.4%
39.5%	64.9	64.9	0	0.0%
40.7%	64.1	64.4	0	0.5%
42.0%	63.9	63.9	0	-0.1%
43.2%	61.5	61.6	0	0.2%
44.4%	61.4	61.4	0	0.0%
45.7%	60.9	61.3	0	0.6%
46.9%	60.6	60.6	0	0.0%
48.1%	60.6	60.6	0	0.0%
49.4%	60.1	60.0	0	-0.2%
50.6%	59.2	59.2	0	0.0%
51.9%	57.7	57.2	0	-0.8%
53.1%	57.1	56.9	0	-0.3%
54.3%	56.9	56.8	0	-0.1%
55.6%	55.3	55.4	0	0.1%
56.8%	55.1	55.0	0	0.0%
58.0%	54.2	54.2	0	0.2%
59.3%	54.2	54.2	0	0.1%
60.5%	54.0	54.0	0	0.0%
61.7%	54.0	54.0	0	0.0%
63.0%	54.0	54.0	0	0.0%
64.2%	54.0	54.0	0	0.0%
65.4%	54.0	54.0	0	0.0%
66.7%	54.0	54.0	0	0.0%
67.9%	54.0	54.0	0	0.0%
69.1%	54.0	54.0	0	0.0%
70.4%	54.0	54.0	0	0.0%
71.6%	54.0	54.0	0	0.0%
72.8%	54.0	54.0	0	0.0%
74.1%	54.0	54.0	0	0.0%
75.3%	54.0	54.0	0	0.0%
76.5%	54.0	54.0	0	0.0%
77.8%	54.0	54.0	0	0.0%
79.0%	54.0	54.0	0	0.0%
80.2%	54.0	54.0	0	0.0%
81.5%	54.0	54.0	0	0.0%
82.7%	54.0	54.0	0	0.0%
84.0%	54.0	54.0	0	0.0%
85.2%	54.0	54.0	0	0.0%
86.4%	54.0	54.0	0	0.0%
87.7%	54.0	54.0	0	0.0%
88.9%	54.0	54.0	0	0.0%
90.1%	54.0	54.0	0	0.0%
91.4%	54.0	54.0	0	0.0%
92.6%	54.0	54.0	0	0.0%
93.8%	54.0	54.0	0	0.0%
95.1%	54.0	54.0	0	0.0%
96.3%	54.0	54.0	0	0.0%
97.5%	54.0	54.0	0	0.0%
98.8%	54.0	54.0	0	0.0%
100.0%	54.0	54.0	0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Position (KM)	WSIP 2030 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	82.9	83.3	0	0.4%
1.2%	82.7	82.6	0	-0.2%
2.5%	81.1	81.2	0	0.0%
3.7%	80.4	80.2	0	-0.1%
4.9%	79.8	79.7	0	-0.1%
6.2%	78.9	79.1	0	0.2%
7.4%	78.0	78.1	0	0.2%
8.6%	77.6	77.7	0	0.1%
9.9%	77.3	77.4	0	0.1%
11.1%	77.0	77.2	0	0.3%
12.3%	77.0	76.7	0	-0.3%
13.6%	76.4	76.3	0	0.0%
14.8%	76.0	76.2	0	0.2%
16.0%	75.6	75.8	0	0.3%
17.3%	74.4	74.2	0	-0.2%
18.5%	73.9	73.7	0	-0.3%
19.8%	73.6	73.3	0	-0.4%
21.0%	73.0	73.3	0	0.4%
22.2%	73.0	73.2	0	0.2%
23.5%	72.7	72.5	0	-0.4%
24.7%	72.4	72.5	0	0.0%
25.9%	71.3	71.3	0	0.0%
27.2%	70.4	70.5	0	0.1%
28.4%	70.4	70.4	0	0.1%
29.6%	69.5	69.5	0	0.1%
30.9%	69.4	69.5	0	0.2%
32.1%	69.3	69.5	0	0.2%
33.3%	69.3	69.3	0	-0.1%
34.6%	69.2	69.1	0	-0.1%
35.8%	69.0	68.9	0	-0.2%
37.0%	68.8	68.8	0	-0.1%
38.3%	68.7	68.7	0	0.0%
39.5%	68.5	68.4	0	-0.1%
40.7%	68.2	68.2	0	0.1%
42.0%	67.6	67.8	0	0.3%
43.2%	67.3	67.4	0	0.3%
44.4%	67.2	67.1	0	-0.1%
45.7%	66.5	66.6	0	0.0%
46.9%	65.6	65.3	0	-0.4%
48.1%	65.2	64.9	0	-0.4%
49.4%	65.1	64.7	0	-0.5%
50.6%	62.7	62.5	0	-0.2%
51.9%	62.1	62.0	0	-0.1%
53.1%	61.8	62.0	0	0.3%
54.3%	61.7	61.7	0	0.0%
55.6%	61.3	61.3	0	-0.1%
56.8%	60.5	61.1	1	1.0%
58.0%	60.1	60.2	0	0.1%
59.3%	59.9	60.0	0	0.2%
60.5%	58.8	59.0	0	0.3%
61.7%	58.5	58.5	0	0.1%
63.0%	58.4	58.4	0	0.0%
64.2%	58.4	58.3	0	-0.2%
65.4%	57.9	57.9	0	0.0%
66.7%	57.5	57.5	0	0.0%
67.9%	55.5	55.6	0	0.1%
69.1%	54.6	54.5	0	-0.2%
70.4%	54.3	54.3	0	0.1%
71.6%	54.3	54.3	0	0.1%
72.8%	54.0	54.0	0	0.0%
74.1%	54.0	54.0	0	0.0%
75.3%	54.0	54.0	0	0.0%
76.5%	54.0	54.0	0	0.0%
77.8%	54.0	54.0	0	0.0%
79.0%	54.0	54.0	0	0.0%
80.2%	54.0	54.0	0	0.0%
81.5%	54.0	54.0	0	0.0%
82.7%	54.0	54.0	0	0.0%
84.0%	54.0	54.0	0	0.0%
85.2%	54.0	54.0	0	0.0%
86.4%	54.0	54.0	0	0.0%
87.7%	54.0	54.0	0	0.0%
88.9%	54.0	54.0	0	0.0%
90.1%	54.0	54.0	0	0.0%
91.4%	54.0	54.0	0	0.0%
92.6%	54.0	54.0	0	0.0%
93.8%	54.0	54.0	0	0.0%
95.1%	54.0	54.0	0	0.0%
96.3%	54.0	54.0	0	0.0%
97.5%	54.0	54.0	0	0.0%
98.8%	54.0	54.0	0	0.0%
100.0%	54.0	54.0	0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Position (KM)	WSIP 2030 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	85.9	86.0	0	0.1%
1.2%	85.0	85.2	0	0.2%
2.5%	83.6	83.7	0	0.1%
3.7%	83.1	83.2	0	0.0%
4.9%	81.9	81.8	0	0.0%
6.2%	81.6	81.5	0	-0.1%
7.4%	81.2	81.3	0	0.1%
8.6%	80.8	80.8	0	0.1%
9.9%	80.7	80.6	0	-0.1%
11.1%	80.3	80.2	0	-0.2%
12.3%	79.3	79.5	0	0.2%
13.6%	79.3	79.3	0	0.0%
14.8%	79.3	79.3	0	0.1%
16.0%	79.1	79.1	0	0.1%
17.3%	78.8	79.0	0	0.3%
18.5%	77.8	77.9	0	0.1%
19.8%	77.8	77.8	0	0.0%
21.0%	77.7	77.8	0	0.0%
22.2%	77.5	77.5	0	0.0%
23.5%	76.5	76.5	0	0.1%
24.7%	75.1	75.4	0	0.4%
25.9%	75.0	75.1	0	0.2%
27.2%	74.7	74.8	0	0.1%
28.4%	74.6	74.7	0	0.1%
29.6%	74.5	74.5	0	0.1%
30.9%	74.4	74.5	0	0.1%
32.1%	74.3	74.5	0	0.2%
33.3%	74.3	74.2	0	-0.2%
34.6%	74.2	74.2	0	0.0%
35.8%	73.6	73.7	0	0.2%
37.0%	73.4	73.6	0	0.3%
38.3%	73.2	73.4	0	0.3%
39.5%	72.6	72.9	0	0.4%
40.7%	72.4	72.6	0	0.2%
42.0%	70.6	70.6	0	-0.1%
43.2%	70.2	70.2	0	0.1%
44.4%	69.9	70.0	0	0.1%
45.7%	69.5	69.7	0	0.2%
46.9%	69.5	69.7	0	0.3%
48.1%	69.4	69.3	0	-0.2%
49.4%	69.3	69.2	0	-0.1%
50.6%	69.1	68.9	0	-0.3%
51.9%	68.9	68.9	0	0.0%
53.1%	68.0	68.2	0	0.2%
54.3%	67.9	68.2	0	0.4%
55.6%	67.9	67.9	0	0.1%
56.8%	67.7	67.8	0	0.1%
58.0%	67.6	67.7	0	0.1%
59.3%	66.6	66.6	0	0.0%
60.5%	66.2	66.3	0	0.0%
61.7%	64.9	65.1	0	0.4%
63.0%	64.5	64.6	0	0.2%
64.2%	62.5	62.5	0	-0.1%
65.4%	62.4	62.4	0	0.0%
66.7%	61.9	62.0	0	0.1%
67.9%	61.5	61.8	0	0.4%
69.1%	61.4	61.5	0	0.1%
70.4%	61.4	61.4	0	-0.1%
71.6%	61.1	61.3	0	0.3%
72.8%	61.0	61.3	0	0.4%
74.1%	60.9	61.2	0	0.4%
75.3%	59.5	59.5	0	0.1%
76.5%	58.0	58.2	0	0.4%
77.8%	57.5	57.6	0	0.2%
79.0%	56.6	56.7	0	0.1%
80.2%	56.3	56.5	0	0.3%
81.5%	56.2	56.4	0	0.4%
82.7%	55.5	55.6	0	0.2%
84.0%	55.5	55.6	0	0.2%
85.2%	54.8	54.7	0	-0.2%
86.4%	54.6	54.6	0	0.0%
87.7%	54.0	54.0	0	0.0%
88.9%	54.0	54.0	0	0.0%
90.1%	54.0	54.0	0	0.0%
91.4%	54.0	54.0	0	0.0%
92.6%	54.0	54.0	0	0.0%
93.8%	54.0	54.0	0	0.0%
95.1%	54.0	54.0	0	0.0%
96.3%	54.0	54.0	0	0.0%
97.5%	54.0	54.0	0	0.0%
98.8%	54.0	54.0	0	0.0%
100.0%	54.0	54.0	0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Position (KM)	WSIP 2030 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	92.8	92.9	0	0.1%
1.2%	92.7	92.8	0	0.1%
2.5%	92.3	92.3	0	0.1%
3.7%	89.3	89.1	0	-0.2%
4.9%	87.6	87.7	0	0.1%
6.2%	86.9	86.9	0	0.0%
7.4%	86.9	86.3	-1	-0.6%
8.6%	85.5	85.5	0	0.1%
9.9%	85.1	85.1	0	0.0%
11.1%	85.0	85.0	0	0.0%
12.3%	84.6	84.5	0	0.0%
13.6%	84.2	83.9	0	-0.3%
14.8%	83.9	83.8	0	-0.2%
16.0%	83.8	83.8	0	0.0%
17.3%	83.6	83.5	0	-0.1%
18.5%	83.3	83.4	0	0.1%
19.8%	83.2	83.3	0	0.1%
21.0%	83.1	83.2	0	0.2%
22.2%	82.8	82.9	0	0.1%
23.5%	82.7	82.4	0	-0.3%
24.7%	82.3	82.3	0	0.0%
25.9%	82.2	82.3	0	0.0%
27.2%	82.1	82.2	0	0.1%
28.4%	82.1	82.1	0	0.0%
29.6%	81.4	81.4	0	0.1%
30.9%	81.3	81.2	0	-0.1%
32.1%	81.3	81.2	0	-0.1%
33.3%	81.0	81.1	0	0.1%
34.6%	81.0	80.9	0	-0.1%
35.8%	80.8	80.9	0	0.1%
37.0%	80.7	80.7	0	0.0%
38.3%	80.6	80.6	0	0.1%
39.5%	80.5	80.4	0	-0.1%
40.7%	80.4	80.4	0	0.0%
42.0%	80.3	80.4	0	0.1%
43.2%	79.7	79.9	0	0.2%
44.4%	79.7	79.6	0	-0.1%
45.7%	79.4	79.6	0	0.3%
46.9%	79.0	79.3	0	0.4%
48.1%	79.0	79.0	0	0.0%
49.4%	78.7	78.9	0	0.3%
50.6%	77.9	77.9	0	0.0%
51.9%	77.6	77.6	0	0.0%
53.1%	77.5	77.5	0	0.1%
54.3%	76.5	76.5	0	0.0%
55.6%	76.4	76.2	0	-0.2%
56.8%	76.0	76.1	0	0.1%
58.0%	75.9	75.6	0	-0.4%
59.3%	75.2	75.4	0	0.3%
60.5%	74.9	74.9	0	0.0%
61.7%	74.7	74.4	0	-0.3%
63.0%	74.0	74.1	0	0.2%
64.2%	73.6	74.0	0	0.5%
65.4%	72.7	73.1	0	0.6%
66.7%	72.6	72.9	0	0.3%
67.9%	72.6	72.7	0	0.1%
69.1%	72.5	72.4	0	-0.1%
70.4%	71.6	72.0	0	0.5%
71.6%	70.8	71.2	0	0.7%
72.8%	70.4	70.2	0	-0.2%
74.1%	70.1	70.2	0	0.2%
75.3%	70.1	70.2	0	0.2%
76.5%	69.4	69.3	0	0.0%
77.8%	68.1	68.4	0	0.5%
79.0%	67.3	67.3	0	-0.1%
80.2%	66.5	66.4	0	-0.1%
81.5%	66.2	66.3	0	0.2%
82.7%	66.1	65.9	0	-0.3%
84.0%	65.6	65.4	0	-0.3%
85.2%	65.0	64.8	0	-0.2%
86.4%	64.0	64.1	0	0.1%
87.7%	63.3	63.1	0	-0.3%
88.9%	62.3	62.6	0	0.4%
90.1%	62.0	62.3	0	0.5%
91.4%	61.9	62.1	0	0.4%
92.6%	61.1	61.4	0	0.5%
93.8%	60.0	60.1	0	0.2%
95.1%	56.8	56.7	0	-0.1%
96.3%	55.6	55.5	0	-0.1%
97.5%	55.1	55.1	0	0.0%
98.8%	54.0	54.0	0	0.0%
100.0%	54.0	54.0	0	0.0%

Table SQ-01-b

X2, Monthly Position

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Position (KM)	WSIP 2030 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	94.7	94.7	0	0.0%
1.2%	92.5	92.3	0	-0.2%
2.5%	92.1	92.2	0	0.0%
3.7%	90.6	90.4	0	-0.2%
4.9%	88.4	88.1	0	-0.3%
6.2%	87.6	87.5	0	0.0%
7.4%	87.0	87.1	0	0.0%
8.6%	87.0	86.7	0	-0.3%
9.9%	86.7	86.6	0	-0.1%
11.1%	86.7	86.5	0	-0.2%
12.3%	86.6	86.5	0	-0.2%
13.6%	86.2	86.4	0	0.2%
14.8%	86.0	85.7	0	-0.3%
16.0%	86.0	85.7	0	-0.3%
17.3%	85.8	85.6	0	-0.3%
18.5%	85.6	85.5	0	-0.1%
19.8%	85.5	85.4	0	0.0%
21.0%	85.5	85.4	0	-0.1%
22.2%	85.4	85.4	0	0.0%
23.5%	85.3	85.4	0	0.0%
24.7%	85.3	85.3	0	0.0%
25.9%	85.3	85.3	0	0.0%
27.2%	85.3	85.2	0	-0.1%
28.4%	85.2	85.2	0	0.0%
29.6%	85.1	85.1	0	0.0%
30.9%	85.1	85.0	0	-0.1%
32.1%	85.0	85.0	0	0.0%
33.3%	85.0	85.0	0	0.0%
34.6%	84.9	85.0	0	0.0%
35.8%	84.9	84.9	0	0.1%
37.0%	84.8	84.8	0	-0.1%
38.3%	84.8	84.7	0	-0.1%
39.5%	84.6	84.6	0	0.0%
40.7%	84.6	84.6	0	0.0%
42.0%	84.5	84.5	0	0.0%
43.2%	84.4	84.5	0	0.1%
44.4%	84.4	84.4	0	0.0%
45.7%	84.2	84.3	0	0.2%
46.9%	84.1	84.1	0	0.0%
48.1%	84.1	84.1	0	-0.1%
49.4%	83.9	83.8	0	-0.1%
50.6%	83.7	83.8	0	0.1%
51.9%	83.7	83.7	0	0.1%
53.1%	83.7	83.7	0	0.1%
54.3%	83.6	83.7	0	0.0%
55.6%	83.6	83.6	0	0.0%
56.8%	83.6	83.5	0	-0.1%
58.0%	83.5	83.5	0	-0.1%
59.3%	83.3	83.2	0	-0.1%
60.5%	83.2	83.2	0	-0.1%
61.7%	83.1	83.0	0	-0.1%
63.0%	83.0	83.0	0	0.0%
64.2%	82.9	83.0	0	0.1%
65.4%	82.8	83.0	0	0.2%
66.7%	82.8	82.9	0	0.1%
67.9%	82.8	82.9	0	0.1%
69.1%	82.8	82.8	0	0.0%
70.4%	82.4	82.5	0	0.1%
71.6%	82.2	82.4	0	0.1%
72.8%	82.1	82.1	0	-0.1%
74.1%	82.1	82.1	0	0.0%
75.3%	81.9	82.0	0	0.1%
76.5%	81.9	82.0	0	0.0%
77.8%	81.7	81.8	0	0.2%
79.0%	81.6	81.8	0	0.2%
80.2%	81.6	81.6	0	0.0%
81.5%	81.3	81.5	0	0.2%
82.7%	80.9	80.9	0	0.0%
84.0%	80.1	80.1	0	0.0%
85.2%	79.4	79.5	0	0.2%
86.4%	79.2	79.3	0	0.1%
87.7%	79.2	79.2	0	0.1%
88.9%	79.0	79.1	0	0.1%
90.1%	79.0	79.0	0	0.1%
91.4%	78.4	78.4	0	-0.1%
92.6%	77.8	77.6	0	-0.4%
93.8%	76.2	76.1	0	-0.1%
95.1%	71.7	71.8	0	0.1%
96.3%	70.7	70.6	0	-0.1%
97.5%	67.8	67.8	0	0.1%
98.8%	61.7	61.5	0	-0.3%
100.0%	57.6	57.6	0	0.0%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Position (KM)	WSIP 2030 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	95.9	95.6	0	-0.3%
1.2%	93.5	93.4	0	-0.1%
2.5%	93.1	92.9	0	-0.2%
3.7%	92.5	92.3	0	-0.2%
4.9%	91.9	91.7	0	-0.2%
6.2%	91.3	91.4	0	0.1%
7.4%	91.1	91.0	0	-0.2%
8.6%	91.1	90.9	0	-0.2%
9.9%	90.8	90.9	0	0.1%
11.1%	90.2	90.1	0	-0.1%
12.3%	89.9	90.0	0	0.1%
13.6%	89.3	89.5	0	0.2%
14.8%	89.3	89.2	0	0.0%
16.0%	89.2	88.9	0	-0.3%
17.3%	89.0	88.9	0	-0.1%
18.5%	89.0	88.9	0	-0.1%
19.8%	88.6	88.7	0	0.1%
21.0%	88.5	88.6	0	0.0%
22.2%	88.5	88.5	0	0.0%
23.5%	88.3	88.4	0	0.1%
24.7%	88.1	88.4	0	0.4%
25.9%	88.0	88.1	0	0.1%
27.2%	87.9	87.8	0	-0.2%
28.4%	87.9	87.8	0	-0.1%
29.6%	87.6	87.7	0	0.1%
30.9%	87.6	87.7	0	0.1%
32.1%	87.6	87.6	0	0.0%
33.3%	85.1	85.1	0	0.0%
34.6%	84.3	84.4	0	0.1%
35.8%	84.0	84.0	0	0.0%
37.0%	83.9	83.9	0	0.0%
38.3%	83.8	83.9	0	0.1%
39.5%	83.7	83.6	0	-0.2%
40.7%	83.6	83.6	0	0.0%
42.0%	83.4	83.4	0	0.0%
43.2%	83.3	83.3	0	0.0%
44.4%	83.2	83.2	0	-0.1%
45.7%	83.1	83.1	0	0.0%
46.9%	83.0	83.0	0	0.0%
48.1%	82.7	82.6	0	-0.2%
49.4%	82.7	82.6	0	-0.2%
50.6%	82.4	82.3	0	0.0%
51.9%	82.3	82.2	0	-0.1%
53.1%	82.1	82.2	0	0.0%
54.3%	82.1	82.1	0	0.0%
55.6%	81.9	82.0	0	0.1%
56.8%	81.8	81.8	0	-0.1%
58.0%	81.8	81.7	0	-0.1%
59.3%	81.6	81.7	0	0.1%
60.5%	81.6	81.5	0	0.0%
61.7%	81.4	81.5	0	0.2%
63.0%	81.1	81.2	0	0.1%
64.2%	81.1	81.0	0	-0.1%
65.4%	81.0	81.0	0	0.0%
66.7%	80.9	80.8	0	-0.1%
67.9%	80.9	80.8	0	-0.1%
69.1%	80.9	80.8	0	-0.1%
70.4%	80.7	80.8	0	0.1%
71.6%	80.6	80.6	0	0.1%
72.8%	80.5	80.4	0	-0.1%
74.1%	80.4	80.3	0	-0.1%
75.3%	80.3	80.3	0	-0.1%
76.5%	80.3	80.2	0	0.0%
77.8%	80.3	80.0	0	-0.3%
79.0%	80.1	80.0	0	-0.2%
80.2%	79.9	79.9	0	0.1%
81.5%	79.8	79.9	0	0.1%
82.7%	79.7	79.6	0	-0.1%
84.0%	78.9	78.9	0	-0.1%
85.2%	78.9	78.7	0	-0.2%
86.4%	78.8	78.7	0	-0.2%
87.7%	78.7	78.7	0	0.0%
88.9%	77.6	77.6	0	0.1%
90.1%	77.5	77.6	0	0.1%
91.4%	77.0	77.2	0	0.3%
92.6%	76.8	76.6	0	-0.3%
93.8%	75.6	75.7	0	0.1%
95.1%	74.7	74.6	0	-0.1%
96.3%	74.5	74.5	0	0.1%
97.5%	74.5	74.4	0	-0.1%
98.8%	73.8	74.1	0	0.4%
100.0%	73.6	74.0	0	0.5%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Position (KM)	WSIP 2030 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	95.5	95.2	0	-0.3%
1.2%	95.3	95.1	0	-0.2%
2.5%	95.0	95.0	0	0.0%
3.7%	94.4	94.2	0	-0.1%
4.9%	93.8	93.9	0	0.2%
6.2%	93.7	93.7	0	0.1%
7.4%	93.5	93.6	0	0.1%
8.6%	93.5	93.5	0	0.0%
9.9%	93.3	93.4	0	0.1%
11.1%	92.8	92.5	0	-0.3%
12.3%	92.4	92.4	0	-0.1%
13.6%	92.3	92.3	0	0.1%
14.8%	91.8	92.0	0	0.2%
16.0%	91.7	91.9	0	0.2%
17.3%	91.7	91.8	0	0.1%
18.5%	91.6	91.7	0	0.1%
19.8%	91.5	91.7	0	0.2%
21.0%	91.3	91.4	0	0.1%
22.2%	91.2	91.3	0	0.0%
23.5%	91.0	91.2	0	0.2%
24.7%	90.9	90.9	0	0.0%
25.9%	90.7	90.9	0	0.2%
27.2%	90.7	90.6	0	-0.1%
28.4%	90.5	90.5	0	0.1%
29.6%	90.3	90.3	0	0.0%
30.9%	90.3	90.3	0	0.1%
32.1%	90.3	90.1	0	-0.2%
33.3%	90.3	90.1	0	-0.1%
34.6%	90.2	90.1	0	-0.1%
35.8%	90.2	90.0	0	-0.1%
37.0%	90.0	90.0	0	-0.1%
38.3%	90.0	89.9	0	-0.1%
39.5%	89.9	89.9	0	0.0%
40.7%	89.9	89.9	0	0.0%
42.0%	89.9	89.9	0	0.0%
43.2%	89.7	89.8	0	0.1%
44.4%	89.7	89.7	0	0.0%
45.7%	89.7	89.7	0	0.0%
46.9%	89.6	89.6	0	0.0%
48.1%	89.6	89.6	0	0.1%
49.4%	89.5	89.5	0	0.0%
50.6%	89.5	89.5	0	-0.1%
51.9%	89.5	89.4	0	-0.1%
53.1%	89.5	89.4	0	-0.1%
54.3%	89.4	89.4	0	0.0%
55.6%	89.4	89.4	0	0.0%
56.8%	89.3	89.4	0	0.1%
58.0%	89.2	89.2	0	0.0%
59.3%	89.2	89.2	0	0.0%
60.5%	89.1	89.1	0	0.0%
61.7%	89.1	89.1	0	0.0%
63.0%	89.1	89.1	0	0.0%
64.2%	89.1	88.9	0	-0.2%
65.4%	89.0	88.9	0	-0.2%
66.7%	88.9	88.8	0	-0.1%
67.9%	88.9	88.8	0	-0.2%
69.1%	88.9	88.7	0	-0.1%
70.4%	88.8	88.7	0	-0.2%
71.6%	88.8	88.7	0	-0.1%
72.8%	88.6	88.7	0	0.0%
74.1%	88.6	88.6	0	0.0%
75.3%	88.6	88.6	0	0.0%
76.5%	88.6	88.6	0	0.0%
77.8%	88.5	88.5	0	0.0%
79.0%	88.4	88.5	0	0.2%
80.2%	88.4	88.5	0	0.1%
81.5%	88.3	88.4	0	0.1%
82.7%	88.0	88.2	0	0.2%
84.0%	88.0	88.2	0	0.2%
85.2%	88.0	87.9	0	-0.1%
86.4%	87.6	87.5	0	-0.1%
87.7%	87.6	87.5	0	-0.1%
88.9%	87.4	87.4	0	0.0%
90.1%	87.3	87.4	0	0.1%
91.4%	87.2	87.3	0	0.1%
92.6%	87.2	87.1	0	-0.1%
93.8%	87.1	87.1	0	0.0%
95.1%	86.9	87.0	0	0.1%
96.3%	86.8	86.9	0	0.2%
97.5%	86.7	86.8	0	0.2%
98.8%	86.2	86.2	0	0.0%
100.0%	85.7	85.6	0	-0.2%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Position (KM)	WSIP 2030 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	95.6	95.5	0	-0.2%
1.2%	95.4	95.4	0	0.0%
2.5%	95.2	95.3	0	0.1%
3.7%	95.2	95.2	0	0.1%
4.9%	95.1	95.0	0	-0.1%
6.2%	95.0	94.9	0	-0.1%
7.4%	95.0	94.9	0	-0.1%
8.6%	95.0	94.8	0	-0.2%
9.9%	94.9	94.5	0	-0.4%
11.1%	94.6	94.4	0	-0.1%
12.3%	94.4	94.2	0	-0.1%
13.6%	94.1	93.6	-1	-0.6%
14.8%	93.5	93.5	0	-0.1%
16.0%	93.4	93.4	0	-0.1%
17.3%	93.2	93.3	0	0.1%
18.5%	93.1	93.3	0	0.2%
19.8%	93.1	93.3	0	0.2%
21.0%	93.1	93.0	0	-0.1%
22.2%	93.1	92.7	0	-0.4%
23.5%	92.7	92.5	0	-0.1%
24.7%	92.6	92.4	0	-0.2%
25.9%	92.5	92.3	0	-0.2%
27.2%	92.5	92.2	0	-0.4%
28.4%	92.0	92.0	0	0.0%
29.6%	92.0	91.8	0	-0.2%
30.9%	91.6	91.7	0	0.1%
32.1%	91.6	91.5	0	-0.1%
33.3%	91.4	91.5	0	0.1%
34.6%	91.4	91.3	0	-0.1%
35.8%	91.4	91.2	0	-0.2%
37.0%	91.3	91.2	0	-0.1%
38.3%	91.3	91.1	0	-0.2%
39.5%	91.2	91.1	0	-0.1%
40.7%	91.0	91.0	0	0.1%
42.0%	90.9	90.9	0	0.0%
43.2%	90.9	90.7	0	-0.2%
44.4%	90.8	90.5	0	-0.4%
45.7%	90.7	90.3	0	-0.4%
46.9%	90.5	90.0	0	-0.5%
48.1%	90.4	89.9	-1	-0.6%
49.4%	90.2	89.7	-1	-0.7%
50.6%	89.9	89.3	-1	-0.6%
51.9%	89.8	88.8	-1	-1.1%
53.1%	89.4	81.5	-8	-8.9%
54.3%	88.8	81.3	-8	-8.5%
55.6%	81.6	81.0	-1	-0.7%
56.8%	81.4	80.9	-1	-0.7%
58.0%	81.2	80.5	-1	-0.9%
59.3%	81.1	80.4	-1	-0.9%
60.5%	81.0	80.2	-1	-1.0%
61.7%	80.9	80.1	-1	-1.1%
63.0%	80.6	79.4	-1	-1.5%
64.2%	80.2	79.0	-1	-1.5%
65.4%	80.0	78.6	-1	-1.7%
66.7%	79.1	73.1	-6	-7.6%
67.9%	79.0	70.3	-9	-11.0%
69.1%	78.2	70.3	-8	-10.2%
70.4%	73.0	70.2	-3	-3.8%
71.6%	70.5	70.2	0	-0.5%
72.8%	70.4	70.0	0	-0.6%
74.1%	70.3	69.7	-1	-0.8%
75.3%	70.2	69.4	-1	-1.2%
76.5%	69.9	69.4	-1	-0.8%
77.8%	69.7	69.3	0	-0.6%
79.0%	69.5	69.3	0	-0.3%
80.2%	69.4	69.0	0	-0.6%
81.5%	69.4	69.0	0	-0.5%
82.7%	68.9	69.0	0	0.1%
84.0%	68.9	68.8	0	-0.1%
85.2%	68.7	68.7	0	0.0%
86.4%	68.6	68.7	0	0.1%
87.7%	68.5	68.6	0	0.1%
88.9%	68.4	68.5	0	0.2%
90.1%	68.3	68.3	0	0.1%
91.4%	68.2	68.3	0	0.1%
92.6%	68.2	68.2	0	0.1%
93.8%	68.1	68.1	0	-0.1%
95.1%	68.1	68.0	0	-0.2%
96.3%	68.1	0.0	-68	-100.0%
97.5%	68.0	0.0	-68	-100.0%
98.8%	67.8	0.0	-68	-100.0%
100.0%	67.6	0.0	-68	-100.0%

Figure SQ-21-b
Sacramento River at Emmaton, Monthly EC
Probability of Exceedance

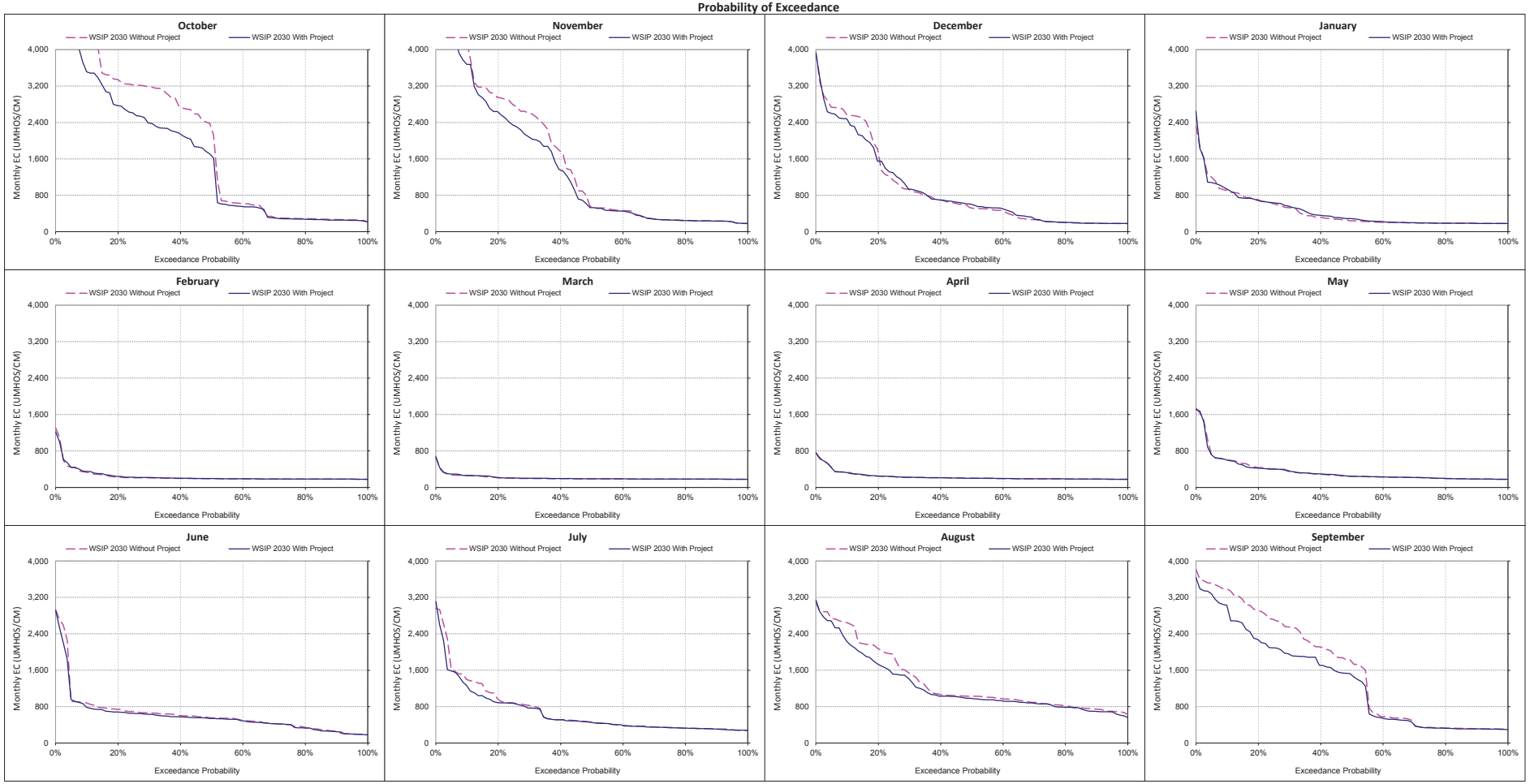


Table SQ-21-b

Sacramento River at Emmaton, Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	4715.9	4472.1	-243.8	-5.2%
1.2%	4569.1	4428.3	-140.8	-3.1%
2.5%	4530.7	4406.7	-123.9	-2.7%
3.7%	4294.7	4234.5	-60.2	-1.4%
4.9%	4268.3	4098.7	-169.6	-4.0%
6.2%	4223.1	4064.3	-158.8	-3.8%
7.4%	4203.4	4038.8	-164.6	-3.9%
8.6%	4188.2	3731.3	-456.9	-10.9%
9.9%	4173.8	3511.3	-662.5	-15.9%
11.1%	4141.2	3484.4	-656.8	-15.9%
12.3%	4122.2	3483.2	-639.0	-15.5%
13.6%	4037.0	3381.5	-655.5	-16.2%
14.8%	3489.0	3233.9	-255.1	-7.3%
16.0%	3452.2	3078.9	-373.3	-10.8%
17.3%	3437.5	3052.6	-384.9	-11.2%
18.5%	3355.2	2801.4	-553.8	-16.5%
19.8%	3347.3	2768.5	-578.8	-17.3%
21.0%	3286.9	2758.7	-528.2	-16.1%
22.2%	3246.8	2686.3	-560.5	-17.3%
23.5%	3242.2	2628.0	-614.2	-18.9%
24.7%	3224.6	2610.8	-613.8	-19.0%
25.9%	3221.2	2550.9	-670.3	-20.8%
27.2%	3216.5	2537.2	-679.2	-21.1%
28.4%	3205.0	2509.6	-695.5	-21.7%
29.6%	3187.1	2389.8	-797.3	-25.0%
30.9%	3175.3	2379.3	-796.0	-25.1%
32.1%	3151.6	2314.7	-836.8	-26.6%
33.3%	3149.7	2279.8	-869.9	-27.6%
34.6%	3094.2	2274.2	-820.0	-26.5%
35.8%	3027.2	2267.1	-760.1	-25.1%
37.0%	2944.2	2217.9	-726.3	-24.7%
38.3%	2942.5	2196.4	-746.1	-25.4%
39.5%	2754.9	2165.3	-589.6	-21.4%
40.7%	2715.5	2106.2	-609.2	-22.4%
42.0%	2693.9	2062.7	-631.3	-23.4%
43.2%	2686.2	2033.3	-652.9	-24.3%
44.4%	2590.0	1868.6	-721.4	-27.9%
45.7%	2580.7	1856.6	-724.1	-28.1%
46.9%	2455.1	1841.3	-613.8	-25.0%
48.1%	2409.5	1763.9	-645.6	-26.8%
49.4%	2378.9	1709.2	-669.6	-28.1%
50.6%	2113.1	1617.4	-495.7	-23.5%
51.9%	1116.6	634.6	-482.0	-43.2%
53.1%	680.0	609.6	-70.3	-10.3%
54.3%	673.1	600.7	-72.4	-10.8%
55.6%	646.5	577.6	-68.9	-10.7%
56.8%	633.7	575.3	-58.3	-9.2%
58.0%	628.5	560.1	-68.4	-10.9%
59.3%	620.8	556.3	-64.4	-10.4%
60.5%	616.8	545.9	-70.9	-11.5%
61.7%	610.4	545.6	-64.8	-10.6%
63.0%	590.7	544.8	-45.9	-7.8%
64.2%	579.9	537.7	-42.2	-7.3%
65.4%	576.1	516.6	-59.4	-10.3%
66.7%	462.0	494.0	32.0	6.9%
67.9%	337.4	315.2	-22.2	-6.6%
69.1%	335.7	308.0	-27.8	-8.3%
70.4%	308.9	300.1	-8.9	-2.9%
71.6%	299.3	286.1	-13.2	-4.4%
72.8%	298.1	282.6	-15.5	-5.2%
74.1%	296.7	282.5	-14.3	-4.8%
75.3%	295.0	282.1	-13.0	-4.4%
76.5%	291.5	276.9	-14.6	-5.0%
77.8%	287.0	276.2	-10.8	-3.8%
79.0%	286.8	274.2	-12.5	-4.4%
80.2%	286.2	270.0	-16.2	-5.6%
81.5%	282.5	269.4	-13.2	-4.7%
82.7%	282.0	266.9	-15.1	-5.3%
84.0%	279.4	265.1	-14.3	-5.1%
85.2%	273.9	264.6	-9.2	-3.4%
86.4%	273.8	262.1	-11.7	-4.3%
87.7%	268.8	256.1	-12.7	-4.7%
88.9%	267.9	256.0	-11.9	-4.4%
90.1%	266.0	255.2	-10.8	-4.1%
91.4%	265.6	253.7	-11.9	-4.5%
92.6%	260.2	252.5	-7.8	-3.0%
93.8%	259.8	249.7	-10.1	-3.9%
95.1%	259.2	247.8	-11.4	-4.4%
96.3%	257.8	246.8	-11.0	-4.3%
97.5%	253.6	242.9	-10.6	-4.2%
98.8%	226.5	240.1	13.5	6.0%
100.0%	219.9	214.9	-5.0	-2.3%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	4638.7	4535.6	-103.0	-2.2%
1.2%	4605.8	4515.5	-90.3	-2.0%
2.5%	4579.8	4454.8	-125.0	-2.7%
3.7%	4508.9	4438.4	-70.5	-1.6%
4.9%	4485.3	4414.4	-70.9	-1.6%
6.2%	4467.6	4217.0	-250.5	-5.6%
7.4%	4346.8	3924.0	-422.8	-9.7%
8.6%	4294.7	3782.4	-512.3	-11.9%
9.9%	4200.3	3681.2	-519.1	-12.4%
11.1%	3786.0	3672.4	-113.6	-3.0%
12.3%	3281.5	3182.5	-99.1	-3.0%
13.6%	3178.9	3009.7	-169.2	-5.3%
14.8%	3175.8	2946.9	-228.9	-7.2%
16.0%	3167.7	2864.8	-303.0	-9.6%
17.3%	3060.7	2706.9	-353.8	-11.6%
18.5%	3038.4	2641.1	-397.3	-13.1%
19.8%	2951.1	2640.8	-310.3	-10.5%
21.0%	2938.0	2560.2	-377.8	-12.9%
22.2%	2910.2	2505.4	-404.9	-13.9%
23.5%	2884.9	2410.7	-474.2	-16.4%
24.7%	2792.2	2345.1	-447.0	-16.0%
25.9%	2748.7	2301.6	-447.2	-16.3%
27.2%	2647.4	2238.4	-409.0	-15.4%
28.4%	2646.1	2140.9	-505.1	-19.1%
29.6%	2615.0	2092.4	-522.6	-20.0%
30.9%	2586.8	2037.2	-549.6	-21.2%
32.1%	2522.1	2019.7	-502.3	-19.9%
33.3%	2441.7	1978.6	-463.1	-19.0%
34.6%	2360.5	1877.6	-483.0	-20.5%
35.8%	2251.5	1875.7	-375.8	-16.7%
37.0%	1946.3	1767.6	-178.7	-9.2%
38.3%	1869.6	1526.0	-343.6	-18.4%
39.5%	1791.4	1366.3	-425.0	-23.7%
40.7%	1705.2	1332.3	-372.9	-21.9%
42.0%	1382.3	1228.1	-154.2	-11.2%
43.2%	1358.0	1087.9	-270.1	-19.9%
44.4%	1182.1	921.7	-260.4	-22.0%
45.7%	897.1	719.0	-178.1	-19.9%
46.9%	895.0	696.0	-199.0	-22.2%
48.1%	804.4	617.2	-187.2	-23.3%
49.4%	562.9	526.9	-36.0	-6.4%
50.6%	530.2	526.5	-3.6	-0.7%
51.9%	522.2	510.9	-11.3	-2.2%
53.1%	521.7	508.8	-12.9	-2.5%
54.3%	517.9	472.4	-45.5	-8.8%
55.6%	495.8	466.0	-29.8	-6.0%
56.8%	482.0	458.3	-23.7	-4.9%
58.0%	472.1	456.4	-15.7	-3.3%
59.3%	462.2	455.2	-7.0	-1.5%
60.5%	460.0	446.7	-13.3	-2.9%
61.7%	459.1	429.4	-29.7	-6.5%
63.0%	451.3	405.6	-45.7	-10.1%
64.2%	373.6	364.2	-9.4	-2.5%
65.4%	358.1	352.3	-5.8	-1.6%
66.7%	300.7	329.0	28.3	9.4%
67.9%	299.6	286.2	-13.4	-4.5%
69.1%	291.3	280.9	-10.4	-3.6%
70.4%	273.5	269.3	-4.2	-1.5%
71.6%	266.9	265.2	-1.7	-0.6%
72.8%	262.3	260.4	-1.9	-0.7%
74.1%	261.4	257.1	-4.3	-1.6%
75.3%	260.5	253.5	-7.0	-2.7%
76.5%	256.6	252.6	-4.0	-1.6%
77.8%	256.3	245.7	-10.5	-4.1%
79.0%	249.1	243.7	-5.3	-2.1%
80.2%	248.5	242.4	-6.1	-2.4%
81.5%	245.4	241.5	-3.9	-1.6%
82.7%	242.8	239.8	-3.1	-1.3%
84.0%	240.1	237.5	-2.6	-1.1%
85.2%	239.9	237.0	-2.9	-1.2%
86.4%	239.2	235.7	-3.5	-1.5%
87.7%	238.0	234.9	-3.1	-1.3%
88.9%	236.5	234.1	-2.4	-1.0%
90.1%	235.1	231.9	-3.2	-1.3%
91.4%	235.0	229.9	-5.2	-2.2%
92.6%	230.6	229.4	-1.2	-0.5%
93.8%	229.0	226.5	-2.5	-1.1%
95.1%	216.2	211.7	-4.5	-2.1%
96.3%	186.2	188.5	2.3	1.2%
97.5%	184.9	183.9	-1.0	-0.6%
98.8%	181.0	182.0	1.0	0.5%
100.0%	178.9	178.8	-0.1	0.0%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	3939.8	3926.9	-12.9	-0.3%
1.2%	3297.1	3377.7	80.6	2.4%
2.5%	2993.9	2919.7	-74.2	-2.5%
3.7%	2883.7	2631.6	-252.1	-8.7%
4.9%	2733.6	2601.0	-132.5	-4.8%
6.2%	2725.8	2585.0	-140.8	-5.2%
7.4%	2723.8	2497.3	-226.5	-8.3%
8.6%	2693.9	2486.2	-207.7	-7.7%
9.9%	2572.5	2478.0	-94.5	-3.7%
11.1%	2557.9	2335.5	-222.3	-8.7%
12.3%	2547.1	2307.1	-240.0	-9.4%
13.6%	2532.6	2132.6	-400.0	-15.8%
14.8%	2497.1	2106.9	-390.2	-15.6%
16.0%	2420.9	2012.9	-408.0	-16.9%
17.3%	2226.8	1958.7	-268.1	-12.0%
18.5%	1940.9	1845.4	-95.5	-4.9%
19.8%	1823.0	1550.6	-272.4	-14.9%
21.0%	1344.4	1549.6	205.1	15.3%
22.2%	1254.2	1393.4	139.2	11.1%
23.5%	1222.8	1317.2	94.4	7.7%
24.7%	1133.8	1298.3	164.5	14.5%
25.9%	1076.9	1206.0	129.1	12.0%
27.2%	981.2	1158.7	177.5	18.1%
28.4%	938.8	1058.8	120.0	12.8%
29.6%	936.1	941.1	4.9	0.5%
30.9%	879.9	925.1	45.2	5.1%
32.1%	870.4	904.5	34.1	3.9%
33.3%	847.5	879.7	32.1	3.8%
34.6%	800.6	848.8	48.2	6.0%
35.8%	786.0	789.5	3.5	0.5%
37.0%	763.1	715.1	-48.0	-6.3%
38.3%	704.7	709.3	4.5	0.6%
39.5%	694.1	700.2	6.1	0.9%
40.7%	687.0	691.9	4.9	0.7%
42.0%	658.3	677.7	19.4	3.0%
43.2%	641.3	671.0	29.7	4.6%
44.4%	629.3	653.2	23.9	3.8%
45.7%	602.7	641.2	38.5	6.4%
46.9%	602.3	628.9	26.5	4.4%
48.1%	587.0	611.0	23.9	4.1%
49.4%	527.7	609.8	82.1	15.6%
50.6%	509.4	583.2	73.8	14.5%
51.9%	507.6	550.7	43.1	8.5%
53.1%	505.4	549.2	43.9	8.7%
54.3%	504.7	532.2	27.5	5.5%
55.6%	493.8	528.1	34.3	6.9%
56.8%	478.7	523.4	44.7	9.3%
58.0%	469.2	522.4	53.3	11.4%
59.3%	469.0	518.7	49.7	10.6%
60.5%	432.7	485.6	52.9	12.2%
61.7%	397.3	458.8	61.5	15.5%
63.0%	368.1	431.2	63.1	17.1%
64.2%	332.2	364.3	32.0	9.6%
65.4%	289.2	352.1	62.9	21.7%
66.7%	287.8	342.9	55.1	19.1%
67.9%	268.7	330.5	61.8	23.0%
69.1%	265.4	325.3	59.9	22.6%
70.4%	263.7	273.4	9.7	3.7%
71.6%	250.6	265.9	15.4	6.1%
72.8%	238.3	232.8	-5.5	-2.3%
74.1%	215.3	225.8	10.4	4.8%
75.3%	214.7	219.7	4.9	2.3%
76.5%	212.5	216.7	4.2	2.0%
77.8%	206.3	207.4	1.1	0.5%
79.0%	200.8	206.5	5.8	2.9%
80.2%	200.0	203.0	3.0	1.5%
81.5%	197.8	200.7	2.9	1.5%
82.7%	192.2	197.8	5.6	2.9%
84.0%	190.5	197.5	6.9	3.6%
85.2%	186.8	188.3	1.5	0.8%
86.4%	184.3	184.9	0.6	0.3%
87.7%	184.0	184.9	1.0	0.5%
88.9%	183.9	184.0	0.1	0.0%
90.1%	182.9	183.2	0.3	0.2%
91.4%	182.2	182.1	-0.1	-0.1%
92.6%	181.6	181.8	0.2	0.1%
93.8%	181.5	181.3	-0.2	-0.1%
95.1%	180.6	180.7	0.1	0.1%
96.3%	179.6	179.6	0.0	0.0%
97.5%	178.7	178.9	0.2	0.1%
98.8%	178.5	178.5	0.0	0.0%
100.0%	177.8	177.9	0.0	0.0%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2330.3	2648.8	318.5	13.7%
1.2%	1877.6	1832.6	-45.0	-2.4%
2.5%	1621.3	1625.2	3.9	0.2%
3.7%	1259.1	1086.7	-172.5	-13.7%
4.9%	1200.4	1079.7	-120.7	-10.1%
6.2%	1117.8	1058.1	-59.7	-5.3%
7.4%	953.8	1028.9	75.1	7.9%
8.6%	927.6	982.0	54.4	5.9%
9.9%	907.6	938.2	30.6	3.4%
11.1%	863.1	889.3	26.2	3.0%
12.3%	861.0	846.1	-14.9	-1.7%
13.6%	845.8	749.1	-96.7	-11.4%
14.8%	783.4	738.5	-45.0	-5.7%
16.0%	751.3	736.3	-15.0	-2.0%
17.3%	749.4	734.0	-15.4	-2.1%
18.5%	715.0	715.6	0.6	0.1%
19.8%	708.1	686.3	-21.8	-3.1%
21.0%	670.4	664.0	-6.4	-1.0%
22.2%	654.1	662.1	8.0	1.2%
23.5%	653.5	643.8	-9.6	-1.5%
24.7%	616.0	633.9	17.9	2.9%
25.9%	593.2	627.9	34.7	5.8%
27.2%	579.6	619.9	40.3	6.9%
28.4%	535.4	580.7	45.3	8.5%
29.6%	527.3	562.7	35.4	6.7%
30.9%	520.2	536.0	15.8	3.0%
32.1%	493.8	517.5	23.7	4.8%
33.3%	406.6	500.3	93.7	23.0%
34.6%	377.9	465.9	88.0	23.3%
35.8%	350.1	418.3	68.1	19.5%
37.0%	349.9	383.3	33.4	9.6%
38.3%	319.5	367.7	48.2	15.1%
39.5%	317.3	364.8	47.5	15.0%
40.7%	306.4	349.4	43.0	14.0%
42.0%	291.2	343.1	51.9	17.8%
43.2%	288.2	340.3	52.1	18.1%
44.4%	274.2	311.0	36.8	13.4%
45.7%	273.1	309.8	36.7	13.4%
46.9%	263.0	299.6	36.6	13.9%
48.1%	262.6	288.4	25.8	9.8%
49.4%	238.6	287.6	48.9	20.5%
50.6%	238.5	280.3	41.8	17.5%
51.9%	233.3	273.3	40.0	17.1%
53.1%	227.5	252.3	24.8	10.9%
54.3%	223.3	242.0	18.8	8.4%
55.6%	220.6	233.1	12.5	5.7%
56.8%	213.5	228.5	15.0	7.0%
58.0%	209.7	226.9	17.2	8.2%
59.3%	207.7	224.8	17.2	8.3%
60.5%	203.7	212.1	8.4	4.1%
61.7%	203.2	210.0	6.8	3.3%
63.0%	202.4	209.3	6.8	3.4%
64.2%	201.7	205.0	3.3	1.6%
65.4%	200.5	203.5	3.0	1.5%
66.7%	197.5	201.1	3.6	1.8%
67.9%	193.9	196.4	2.4	1.3%
69.1%	192.5	195.6	3.0	1.6%
70.4%	192.4	194.5	2.1	1.1%
71.6%	190.5	192.2	1.7	0.9%
72.8%	189.0	189.6	0.6	0.3%
74.1%	188.7	189.0	0.3	0.1%
75.3%	188.5	188.9	0.5	0.2%
76.5%	188.2	188.4	0.3	0.1%
77.8%	187.7	187.9	0.2	0.1%
79.0%	187.3	187.6	0.3	0.2%
80.2%	187.2	187.2	0.0	0.0%
81.5%	184.9	186.1	1.3	0.7%
82.7%	184.7	185.3	0.6	0.3%
84.0%	184.5	184.8	0.3	0.2%
85.2%	184.4	184.5	0.1	0.1%
86.4%	183.6	184.5	0.9	0.5%
87.7%	182.9	183.6	0.7	0.4%
88.9%	182.5	182.9	0.4	0.2%
90.1%	181.3	181.5	0.2	0.1%
91.4%	181.2	181.3	0.2	0.1%
92.6%	180.6	180.8	0.2	0.1%
93.8%	180.5	180.7	0.2	0.1%
95.1%	180.4	180.6	0.2	0.1%
96.3%	180.3	180.4	0.1	0.0%
97.5%	180.0	180.2	0.2	0.1%
98.8%	179.7	179.8	0.1	0.1%
100.0%	178.6	178.7	0.0	0.0%

Table SQ-21-b

Sacramento River at Emmaton, Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1302.3	1218.0	-84.3	-6.5%
1.2%	1105.1	997.3	-107.8	-9.8%
2.5%	595.4	609.9	14.6	2.4%
3.7%	468.9	550.1	81.2	17.3%
4.9%	442.4	442.3	-0.1	0.0%
6.2%	433.7	440.0	6.4	1.5%
7.4%	361.6	406.2	44.6	12.3%
8.6%	343.7	358.4	14.7	4.3%
9.9%	332.1	349.7	17.6	5.3%
11.1%	312.0	348.3	36.3	11.6%
12.3%	288.3	312.7	24.4	8.4%
13.6%	286.8	303.6	16.8	5.8%
14.8%	275.8	302.3	26.5	9.6%
16.0%	270.7	276.3	5.6	2.1%
17.3%	242.1	268.1	26.0	10.8%
18.5%	233.0	251.1	18.1	7.8%
19.8%	223.0	242.0	19.1	8.6%
21.0%	221.6	238.7	17.1	7.7%
22.2%	215.8	225.2	9.4	4.4%
23.5%	214.6	223.0	8.4	3.9%
24.7%	212.9	222.1	9.2	4.3%
25.9%	211.3	218.6	7.2	3.4%
27.2%	211.2	218.0	6.9	3.3%
28.4%	210.5	217.3	6.8	3.2%
29.6%	208.5	216.5	7.9	3.8%
30.9%	206.0	216.3	10.3	5.0%
32.1%	206.0	213.4	7.5	3.6%
33.3%	205.3	211.7	6.4	3.1%
34.6%	202.0	206.0	4.0	2.0%
35.8%	201.4	204.7	3.3	1.6%
37.0%	198.9	204.4	5.4	2.7%
38.3%	197.7	203.0	5.2	2.6%
39.5%	197.0	201.5	4.5	2.3%
40.7%	196.1	201.1	5.1	2.6%
42.0%	195.1	199.1	3.9	2.0%
43.2%	194.9	197.7	2.8	1.4%
44.4%	194.8	197.0	2.1	1.1%
45.7%	194.1	196.9	2.8	1.4%
46.9%	194.0	196.4	2.4	1.2%
48.1%	191.9	196.2	4.3	2.2%
49.4%	191.9	194.6	2.8	1.4%
50.6%	191.8	194.4	2.6	1.3%
51.9%	189.6	193.2	3.6	1.9%
53.1%	188.8	191.3	2.5	1.3%
54.3%	188.4	190.9	2.5	1.3%
55.6%	188.3	190.5	2.2	1.2%
56.8%	187.8	190.3	2.6	1.4%
58.0%	187.3	189.1	1.7	0.9%
59.3%	187.2	187.8	0.6	0.3%
60.5%	186.6	187.3	0.7	0.4%
61.7%	186.4	187.0	0.6	0.3%
63.0%	185.2	186.6	1.4	0.8%
64.2%	185.1	186.4	1.3	0.7%
65.4%	184.7	185.6	0.9	0.5%
66.7%	184.4	185.0	0.6	0.3%
67.9%	184.3	184.7	0.4	0.2%
69.1%	184.2	184.6	0.4	0.2%
70.4%	184.1	184.5	0.4	0.2%
71.6%	184.1	184.4	0.3	0.2%
72.8%	184.0	184.2	0.3	0.2%
74.1%	183.6	184.0	0.5	0.2%
75.3%	183.3	183.3	0.0	0.0%
76.5%	183.2	183.2	0.0	0.0%
77.8%	182.7	183.0	0.4	0.2%
79.0%	182.5	182.7	0.2	0.1%
80.2%	182.4	182.5	0.1	0.1%
81.5%	182.3	182.5	0.1	0.1%
82.7%	182.3	182.3	-0.1	0.0%
84.0%	182.2	182.1	0.0	0.0%
85.2%	182.0	182.0	0.0	0.0%
86.4%	181.7	181.9	0.1	0.1%
87.7%	181.7	181.9	0.2	0.1%
88.9%	181.5	181.7	0.2	0.1%
90.1%	181.4	181.7	0.3	0.2%
91.4%	180.6	180.7	0.1	0.1%
92.6%	180.4	180.5	0.1	0.0%
93.8%	180.3	180.5	0.2	0.1%
95.1%	180.2	180.3	0.1	0.1%
96.3%	180.0	179.9	-0.1	-0.1%
97.5%	179.0	179.5	0.5	0.3%
98.8%	178.4	178.4	0.0	0.0%
100.0%	177.2	177.2	0.0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	683.1	660.0	-23.1	-3.4%
1.2%	410.0	437.6	27.6	6.7%
2.5%	325.9	339.6	13.7	4.2%
3.7%	291.7	305.0	13.3	4.6%
4.9%	273.5	294.3	20.8	7.6%
6.2%	266.5	290.6	24.1	9.0%
7.4%	264.5	285.5	21.0	7.9%
8.6%	264.3	265.6	1.3	0.5%
9.9%	256.4	263.6	7.2	2.8%
11.1%	255.2	262.1	6.9	2.7%
12.3%	251.7	259.6	7.9	3.1%
13.6%	249.5	255.0	5.5	2.2%
14.8%	244.0	253.9	9.9	4.1%
16.0%	229.9	253.6	23.7	10.3%
17.3%	229.9	248.7	18.8	8.2%
18.5%	229.4	224.3	-5.1	-2.2%
19.8%	209.5	215.2	5.7	2.7%
21.0%	207.4	211.8	4.4	2.1%
22.2%	205.9	207.9	2.0	1.0%
23.5%	205.7	207.5	1.8	0.9%
24.7%	199.6	206.9	7.3	3.6%
25.9%	199.3	205.2	5.9	3.0%
27.2%	196.4	202.4	6.0	3.1%
28.4%	196.3	202.1	5.8	2.9%
29.6%	195.4	202.0	6.6	3.4%
30.9%	194.8	199.9	5.1	2.6%
32.1%	194.4	198.9	4.6	2.4%
33.3%	193.5	197.9	4.4	2.3%
34.6%	192.9	197.8	4.9	2.5%
35.8%	192.1	197.8	5.7	2.9%
37.0%	191.7	196.7	5.0	2.6%
38.3%	191.7	194.9	3.3	1.7%
39.5%	191.4	194.7	3.3	1.7%
40.7%	190.6	193.9	3.3	1.7%
42.0%	190.4	193.9	3.5	1.8%
43.2%	188.9	192.6	3.6	1.9%
44.4%	188.7	190.6	1.8	1.0%
45.7%	188.3	190.5	2.2	1.2%
46.9%	187.6	190.4	2.8	1.5%
48.1%	187.2	190.2	3.0	1.6%
49.4%	187.2	189.0	1.8	0.9%
50.6%	187.0	189.0	1.9	1.0%
51.9%	187.0	188.8	1.7	0.9%
53.1%	186.1	188.6	2.5	1.3%
54.3%	186.1	188.4	2.3	1.2%
55.6%	186.0	187.7	1.7	0.9%
56.8%	185.6	187.0	1.4	0.7%
58.0%	185.4	186.8	1.4	0.8%
59.3%	185.1	186.6	1.5	0.8%
60.5%	184.6	186.3	1.7	0.9%
61.7%	184.5	185.9	1.4	0.8%
63.0%	183.9	185.3	1.4	0.7%
64.2%	183.6	185.2	1.6	0.9%
65.4%	183.5	184.6	1.2	0.6%
66.7%	183.1	183.9	0.8	0.5%
67.9%	182.9	183.9	1.0	0.5%
69.1%	182.4	182.7	0.3	0.2%
70.4%	182.3	182.5	0.1	0.1%
71.6%	182.2	182.3	0.1	0.1%
72.8%	182.2	182.3	0.1	0.1%
74.1%	182.2	182.2	0.1	0.0%
75.3%	182.1	182.2	0.1	0.1%
76.5%	181.7	182.1	0.4	0.2%
77.8%	181.3	182.1	0.8	0.4%
79.0%	181.3	181.7	0.5	0.3%
80.2%	181.1	181.3	0.2	0.1%
81.5%	181.1	181.0	-0.1	-0.1%
82.7%	180.9	181.0	0.0	0.0%
84.0%	180.8	180.8	0.0	0.0%
85.2%	180.5	180.7	0.2	0.1%
86.4%	180.5	180.5	0.0	0.0%
87.7%	180.4	180.5	0.0	0.0%
88.9%	180.3	180.4	0.1	0.0%
90.1%	180.3	180.4	0.1	0.1%
91.4%	179.9	180.3	0.3	0.2%
92.6%	179.7	179.7	0.0	0.0%
93.8%	179.6	179.7	0.1	0.0%
95.1%	179.6	179.6	0.0	0.0%
96.3%	179.4	179.6	0.2	0.1%
97.5%	179.0	178.9	0.0	0.0%
98.8%	178.9	178.9	0.0	0.0%
100.0%	178.6	178.7	0.1	0.1%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	764.5	755.7	-8.7	-1.1%
1.2%	650.5	629.0	-21.5	-3.3%
2.5%	585.4	583.0	-2.4	-0.4%
3.7%	532.7	528.3	-4.5	-0.8%
4.9%	444.6	436.5	-8.1	-1.8%
6.2%	346.7	344.6	-2.1	-0.6%
7.4%	342.7	339.3	-3.4	-1.0%
8.6%	339.3	338.4	-0.9	-0.3%
9.9%	332.6	325.9	-6.7	-2.0%
11.1%	323.8	302.7	-21.1	-6.5%
12.3%	288.7	295.6	6.9	2.4%
13.6%	288.1	289.2	1.2	0.4%
14.8%	273.9	286.1	12.3	4.5%
16.0%	273.0	260.9	-12.0	-4.4%
17.3%	259.3	259.3	0.0	0.0%
18.5%	258.4	258.0	-0.4	-0.2%
19.8%	250.4	247.1	-3.4	-1.4%
21.0%	246.4	245.7	-0.8	-0.3%
22.2%	241.0	243.8	2.8	1.2%
23.5%	238.9	242.9	4.0	1.7%
24.7%	234.4	237.6	3.3	1.4%
25.9%	227.9	231.3	3.3	1.5%
27.2%	221.4	226.9	5.5	2.5%
28.4%	220.1	222.4	2.3	1.0%
29.6%	217.2	220.5	3.2	1.5%
30.9%	217.1	220.2	3.1	1.4%
32.1%	216.8	219.2	2.4	1.1%
33.3%	216.6	217.3	0.7	0.3%
34.6%	215.0	215.0	0.0	0.0%
35.8%	214.4	213.7	-0.7	-0.3%
37.0%	213.7	213.7	0.0	0.0%
38.3%	212.8	213.3	0.5	0.2%
39.5%	212.1	211.8	-0.3	-0.1%
40.7%	211.8	211.1	-0.6	-0.3%
42.0%	210.6	211.0	0.3	0.2%
43.2%	208.7	207.7	-1.0	-0.5%
44.4%	208.7	206.8	-1.9	-0.9%
45.7%	203.8	204.0	0.2	0.1%
46.9%	203.0	203.3	0.3	0.2%
48.1%	203.0	202.9	-0.1	-0.1%
49.4%	201.6	202.8	1.2	0.6%
50.6%	200.1	202.0	1.8	0.9%
51.9%	200.1	200.4	0.3	0.2%
53.1%	199.8	200.2	0.5	0.2%
54.3%	199.3	199.1	-0.3	-0.1%
55.6%	198.8	198.5	-0.2	-0.1%
56.8%	197.9	198.1	0.2	0.1%
58.0%	196.7	197.2	0.6	0.3%
59.3%	195.8	196.4	0.6	0.3%
60.5%	194.5	194.8	0.4	0.2%
61.7%	193.2	194.4	1.3	0.6%
63.0%	191.1	192.4	1.3	0.7%
64.2%	190.8	191.1	0.2	0.1%
65.4%	189.5	191.1	1.5	0.8%
66.7%	189.5	189.7	0.2	0.1%
67.9%	188.2	189.5	1.3	0.7%
69.1%	187.7	188.7	1.0	0.5%
70.4%	187.7	188.4	0.8	0.4%
71.6%	187.5	188.2	0.7	0.4%
72.8%	187.4	187.8	0.5	0.3%
74.1%	187.3	187.7	0.4	0.2%
75.3%	187.1	187.5	0.4	0.2%
76.5%	186.9	187.4	0.6	0.3%
77.8%	186.6	186.9	0.2	0.1%
79.0%	185.4	186.6	1.2	0.6%
80.2%	185.1	185.3	0.2	0.1%
81.5%	184.9	184.8	-0.1	-0.1%
82.7%	183.6	184.6	1.0	0.6%
84.0%	183.5	184.1	0.6	0.3%
85.2%	183.4	184.1	0.7	0.4%
86.4%	183.3	183.4	0.0	0.0%
87.7%	183.1	183.1	0.0	0.0%
88.9%	182.9	182.8	-0.1	-0.1%
90.1%	182.2	182.1	-0.1	0.0%
91.4%	181.5	181.8	0.4	0.2%
92.6%	180.4	180.8	0.4	0.2%
93.8%	180.4	180.2	-0.2	-0.1%
95.1%	179.6	179.7	0.0	0.0%
96.3%	179.2	179.2	0.0	0.0%
97.5%	179.1	179.1	-0.1	0.0%
98.8%	178.8	178.9	0.0	0.0%
100.0%	178.1	178.2	0.1	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1739.7	1712.5	-27.3	-1.6%
1.2%	1638.1	1679.0	40.9	2.5%
2.5%	1475.9	1443.0	-32.8	-2.2%
3.7%	1053.3	886.5	-166.8	-15.8%
4.9%	715.4	717.0	1.6	0.2%
6.2%	644.0	651.7	7.7	1.2%
7.4%	637.7	636.8	-0.9	-0.1%
8.6%	621.0	626.0	5.0	0.8%
9.9%	604.1	598.5	-5.6	-0.9%
11.1%	594.4	584.1	-10.3	-1.7%
12.3%	579.2	577.3	-2.0	-0.3%
13.6%	559.4	513.6	-45.8	-8.2%
14.8%	527.2	499.7	-27.6	-5.2%
16.0%	519.2	451.0	-68.2	-13.1%
17.3%	476.4	435.0	-41.5	-8.7%
18.5%	453.3	427.8	-25.6	-5.6%
19.8%	436.2	420.9	-15.3	-3.5%
21.0%	433.2	419.5	-13.8	-3.2%
22.2%	419.9	410.2	-9.7	-2.3%
23.5%	409.9	400.2	-9.8	-2.4%
24.7%	408.3	399.8	-8.5	-2.1%
25.9%	401.4	397.2	-4.2	-1.0%
27.2%	398.4	396.0	-2.4	-0.6%
28.4%	395.4	383.7	-11.7	-3.0%
29.6%	367.3	351.4	-15.9	-4.3%
30.9%	364.7	350.1	-14.7	-4.0%
32.1%	329.7	325.1	-4.7	-1.4%
33.3%	317.8	321.1	3.3	1.1%
34.6%	316.9	319.2	2.2	0.7%
35.8%	314.2	314.1	-0.1	0.0%
37.0%	304.2	301.5	-2.7	-0.9%
38.3%	294.5	297.6	3.0	1.0%
39.5%	292.9	296.6	3.7	1.3%
40.7%	284.2	294.2	10.0	3.5%
42.0%	277.9	286.2	8.3	3.0%
43.2%	269.0	285.9	16.9	6.3%
44.4%	266.6	279.4	12.8	4.8%
45.7%	263.5	268.1	4.6	1.7%
46.9%	248.7	264.6	15.9	6.4%
48.1%	247.4	250.3	3.0	1.2%
49.4%	241.8	246.8	5.1	2.1%
50.6%	241.2	243.8	2.6	1.1%
51.9%	241.1	241.8	0.7	0.3%
53.1%	239.8	239.4	-0.4	-0.2%
54.3%	237.7	239.3	1.6	0.7%
55.6%	233.0	233.0	0.0	0.0%
56.8%	231.5	233.0	1.4	0.6%
58.0%	231.3	231.8	0.4	0.2%
59.3%	229.6	230.5	0.9	0.4%
60.5%	229.4	229.1	-0.3	-0.1%
61.7%	227.9	225.7	-2.2	-1.0%
63.0%	224.2	225.5	1.2	0.5%
64.2%	223.8	223.9	0.1	0.0%
65.4%	223.0	220.9	-2.2	-1.0%
66.7%	219.6	220.5	0.8	0.4%
67.9%	219.3	219.5	0.2	0.1%
69.1%	218.0	218.4	0.3	0.1%
70.4%	215.0	215.7	0.7	0.3%
71.6%	214.5	215.0	0.5	0.2%
72.8%	212.1	213.7	1.6	0.8%
74.1%	209.5	210.0	0.5	0.3%
75.3%	207.8	207.7	-0.1	-0.1%
76.5%	199.9	202.4	2.5	1.2%
77.8%	198.7	200.4	1.7	0.8%
79.0%	198.3	199.4	1.1	0.6%
80.2%	193.1	196.9	3.7	1.9%
81.5%	192.6	192.9	0.2	0.1%
82.7%	191.5	191.6	0.1	0.1%
84.0%	189.9	189.9	0.0	0.0%
85.2%	188.6	188.7	0.1	0.0%
86.4%	187.4	187.8	0.4	0.2%
87.7%	185.6	185.8	0.2	0.1%
88.9%	185.1	185.4	0.3	0.1%
90.1%	184.5	185.4	0.9	0.5%
91.4%	184.1	184.4	0.3	0.2%
92.6%	182.4	182.3	0.0	0.0%
93.8%	181.6	181.6	0.0	0.0%
95.1%	181.5	181.6	0.1	0.1%
96.3%	179.1	179.0	-0.1	0.0%
97.5%	178.4	178.5	0.0	0.0%
98.8%	178.0	178.0	0.0	0.0%
100.0%	176.7	176.8	0.1	0.0%

Table SQ-21-b

Sacramento River at Emmaton, Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2924.8	2915.3	-9.5	-0.3%
1.2%	2714.3	2532.1	-182.2	-6.7%
2.5%	2589.0	2190.9	-398.1	-15.4%
3.7%	2262.8	1850.2	-412.6	-18.2%
4.9%	913.5	956.1	42.5	4.7%
6.2%	909.8	914.8	5.0	0.6%
7.4%	906.6	893.7	-12.9	-1.4%
8.6%	885.7	872.5	-13.2	-1.5%
9.9%	881.3	783.6	-97.6	-11.1%
11.1%	848.5	761.7	-86.8	-10.2%
12.3%	830.1	743.9	-86.2	-10.4%
13.6%	785.4	740.6	-44.8	-5.7%
14.8%	775.3	735.4	-39.9	-5.1%
16.0%	767.4	700.5	-67.0	-8.7%
17.3%	751.2	693.4	-57.8	-7.7%
18.5%	749.0	681.0	-68.0	-9.1%
19.8%	738.0	680.7	-57.3	-7.8%
21.0%	736.2	673.1	-63.0	-8.6%
22.2%	705.9	668.5	-37.4	-5.3%
23.5%	693.0	653.1	-39.9	-5.8%
24.7%	692.8	650.8	-42.0	-6.1%
25.9%	686.9	646.3	-40.5	-5.9%
27.2%	666.5	645.6	-20.9	-3.1%
28.4%	664.3	636.5	-27.8	-4.2%
29.6%	661.8	630.2	-31.5	-4.8%
30.9%	659.3	628.6	-30.7	-4.7%
32.1%	657.1	613.1	-44.0	-6.7%
33.3%	643.2	599.7	-43.5	-6.8%
34.6%	638.2	596.2	-42.0	-6.6%
35.8%	637.7	590.4	-47.4	-7.4%
37.0%	634.0	576.8	-57.2	-9.0%
38.3%	627.7	576.4	-51.3	-8.2%
39.5%	604.1	575.7	-28.4	-4.7%
40.7%	599.6	572.4	-27.2	-4.5%
42.0%	595.0	568.7	-26.3	-4.4%
43.2%	594.4	564.1	-30.3	-5.1%
44.4%	594.1	558.5	-35.5	-6.0%
45.7%	576.7	555.6	-21.1	-3.7%
46.9%	574.7	553.3	-21.4	-3.7%
48.1%	571.8	548.3	-23.5	-4.1%
49.4%	553.7	540.3	-13.5	-2.4%
50.6%	552.8	537.4	-15.4	-2.8%
51.9%	550.0	531.9	-18.1	-3.3%
53.1%	544.9	531.4	-13.5	-2.5%
54.3%	543.7	525.5	-18.3	-3.4%
55.6%	543.1	520.6	-22.5	-4.1%
56.8%	542.5	520.4	-22.0	-4.1%
58.0%	521.3	520.4	-0.9	-0.2%
59.3%	505.7	495.1	-10.6	-2.1%
60.5%	489.7	478.9	-10.8	-2.2%
61.7%	487.2	462.0	-25.2	-5.2%
63.0%	480.9	459.4	-21.5	-4.5%
64.2%	473.6	455.7	-18.0	-3.8%
65.4%	470.5	451.1	-19.4	-4.1%
66.7%	446.6	443.1	-3.5	-0.8%
67.9%	437.7	433.3	-4.4	-1.0%
69.1%	428.9	426.4	-2.5	-0.6%
70.4%	423.1	421.9	-1.2	-0.3%
71.6%	418.4	418.4	0.0	0.0%
72.8%	410.7	416.3	5.6	1.4%
74.1%	404.7	407.5	2.8	0.7%
75.3%	401.0	404.8	3.9	1.0%
76.5%	365.4	338.6	-26.8	-7.3%
77.8%	364.7	334.9	-29.8	-8.2%
79.0%	359.8	330.6	-29.1	-8.1%
80.2%	337.3	328.2	-9.1	-2.7%
81.5%	332.9	327.3	-5.7	-1.7%
82.7%	310.3	294.9	-15.5	-5.0%
84.0%	307.6	286.6	-21.0	-6.8%
85.2%	290.9	262.6	-28.3	-9.7%
86.4%	289.2	262.0	-27.2	-9.4%
87.7%	271.8	261.0	-10.8	-4.0%
88.9%	264.1	253.3	-10.8	-4.1%
90.1%	255.6	247.4	-8.2	-3.2%
91.4%	211.7	240.7	29.0	13.7%
92.6%	205.9	202.5	-3.3	-1.6%
93.8%	204.9	201.2	-3.7	-1.8%
95.1%	195.8	195.9	0.1	0.1%
96.3%	193.4	191.5	-1.9	-1.0%
97.5%	192.6	190.9	-1.7	-0.9%
98.8%	188.5	187.5	-1.0	-0.5%
100.0%	181.8	181.6	-0.2	-0.1%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2959.7	3104.9	145.2	4.9%
1.2%	2930.5	2603.0	-327.5	-11.2%
2.5%	2621.8	2263.2	-358.6	-13.7%
3.7%	2293.1	1611.9	-681.2	-29.7%
4.9%	1611.5	1581.8	-29.7	-1.8%
6.2%	1570.7	1553.2	-17.4	-1.1%
7.4%	1519.2	1462.0	-57.2	-3.8%
8.6%	1518.2	1346.3	-171.9	-11.3%
9.9%	1396.4	1264.3	-132.1	-9.5%
11.1%	1365.7	1138.3	-227.5	-16.7%
12.3%	1357.1	1102.5	-254.6	-18.8%
13.6%	1315.0	1039.9	-275.1	-20.9%
14.8%	1304.9	1038.7	-266.3	-20.4%
16.0%	1143.6	987.8	-155.8	-13.6%
17.3%	1106.2	958.4	-147.8	-13.4%
18.5%	1098.7	907.6	-191.1	-17.4%
19.8%	973.6	884.7	-88.9	-9.1%
21.0%	909.0	880.0	-29.0	-3.2%
22.2%	903.9	878.8	-25.1	-2.8%
23.5%	887.1	875.7	-11.4	-1.3%
24.7%	883.2	873.8	-9.4	-1.1%
25.9%	863.1	850.0	-13.1	-1.5%
27.2%	859.9	832.3	-27.6	-3.2%
28.4%	839.5	806.2	-33.4	-4.0%
29.6%	828.8	768.4	-60.4	-7.3%
30.9%	810.2	765.9	-44.3	-5.5%
32.1%	794.1	759.7	-34.4	-4.3%
33.3%	760.1	743.1	-17.0	-2.2%
34.6%	566.4	565.9	-0.5	-0.1%
35.8%	535.7	530.6	-5.1	-1.0%
37.0%	534.4	522.7	-11.7	-2.2%
38.3%	513.6	512.8	-0.8	-0.2%
39.5%	512.5	510.2	-2.2	-0.4%
40.7%	509.9	509.9	0.0	0.0%
42.0%	507.8	489.9	-17.9	-3.5%
43.2%	498.9	489.5	-9.4	-1.9%
44.4%	493.7	489.5	-4.1	-0.8%
45.7%	484.8	480.8	-4.0	-0.8%
46.9%	480.9	472.0	-9.0	-1.9%
48.1%	473.7	467.2	-6.5	-1.4%
49.4%	454.2	465.9	11.7	2.6%
50.6%	445.3	441.5	-3.8	-0.9%
51.9%	440.9	433.3	-7.5	-1.7%
53.1%	440.1	428.5	-11.6	-2.6%
54.3%	423.6	428.1	4.4	1.0%
55.6%	417.5	425.3	7.8	1.9%
56.8%	406.7	408.8	2.1	0.5%
58.0%	404.9	404.4	-0.4	-0.1%
59.3%	396.9	403.4	6.5	1.6%
60.5%	386.5	375.3	-11.2	-2.9%
61.7%	376.2	374.1	-2.1	-0.6%
63.0%	375.8	369.5	-6.3	-1.7%
64.2%	374.4	369.3	-5.0	-1.3%
65.4%	369.7	369.1	-0.6	-0.2%
66.7%	369.0	364.3	-4.7	-1.3%
67.9%	368.4	352.9	-15.6	-4.2%
69.1%	353.5	350.2	-3.3	-0.9%
70.4%	352.5	348.2	-4.3	-1.2%
71.6%	349.0	343.2	-5.8	-1.7%
72.8%	346.0	342.4	-3.6	-1.0%
74.1%	343.1	340.7	-2.5	-0.7%
75.3%	342.1	335.9	-6.2	-1.8%
76.5%	336.7	334.5	-2.2	-0.7%
77.8%	331.7	334.4	2.8	0.8%
79.0%	325.6	325.8	0.3	0.1%
80.2%	324.4	325.0	0.6	0.2%
81.5%	323.3	322.5	-0.8	-0.3%
82.7%	323.2	321.6	-1.6	-0.5%
84.0%	321.7	318.9	-2.8	-0.9%
85.2%	318.8	318.0	-0.8	-0.2%
86.4%	314.2	314.7	0.5	0.1%
87.7%	313.1	314.4	1.2	0.4%
88.9%	309.7	308.2	-1.5	-0.5%
90.1%	308.7	306.8	-1.8	-0.6%
91.4%	307.6	299.0	-8.5	-2.8%
92.6%	307.3	291.6	-15.7	-5.1%
93.8%	304.9	288.9	-16.0	-5.2%
95.1%	287.7	286.9	-0.8	-0.3%
96.3%	285.8	284.7	-1.2	-0.4%
97.5%	277.1	283.4	6.3	2.3%
98.8%	275.6	279.6	4.0	1.5%
100.0%	270.6	273.4	2.9	1.1%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	3086.5	3142.0	55.5	1.8%
1.2%	2888.7	2882.5	-6.2	-0.2%
2.5%	2886.2	2767.2	-119.0	-4.1%
3.7%	2883.0	2692.8	-190.2	-6.6%
4.9%	2730.9	2683.5	-47.4	-1.7%
6.2%	2726.9	2532.5	-194.4	-7.1%
7.4%	2689.1	2529.2	-160.0	-5.9%
8.6%	2661.1	2358.3	-302.7	-11.4%
9.9%	2648.1	2233.5	-414.6	-15.7%
11.1%	2609.6	2152.9	-456.8	-17.5%
12.3%	2564.2	2098.6	-465.5	-18.2%
13.6%	2208.8	2024.3	-184.5	-8.4%
14.8%	2185.8	1970.7	-215.1	-9.8%
16.0%	2169.5	1905.3	-264.2	-12.2%
17.3%	2164.4	1878.9	-285.5	-13.2%
18.5%	2153.0	1800.4	-352.5	-16.4%
19.8%	2083.1	1739.1	-344.1	-16.5%
21.0%	2031.4	1691.0	-340.4	-16.8%
22.2%	1982.6	1651.7	-331.0	-16.7%
23.5%	1965.7	1608.7	-356.9	-18.2%
24.7%	1953.5	1514.9	-438.5	-22.4%
25.9%	1768.5	1507.1	-261.4	-14.8%
27.2%	1620.5	1492.4	-128.1	-7.9%
28.4%	1608.4	1492.0	-116.4	-7.2%
29.6%	1549.6	1422.3	-127.4	-8.2%
30.9%	1491.9	1324.0	-167.9	-11.3%
32.1%	1442.3	1225.2	-217.1	-15.0%
33.3%	1329.3	1199.9	-129.4	-9.7%
34.6%	1302.5	1166.8	-135.7	-10.4%
35.8%	1199.3	1101.1	-98.1	-8.2%
37.0%	1109.8	1066.3	-43.5	-3.9%
38.3%	1085.5	1060.6	-24.9	-2.3%
39.5%	1075.7	1029.6	-46.1	-4.3%
40.7%	1051.0	1029.0	-21.9	-2.1%
42.0%	1048.2	1027.7	-20.5	-2.0%
43.2%	1046.9	1025.4	-21.5	-2.1%
44.4%	1037.7	1023.8	-13.9	-1.3%
45.7%	1035.2	1013.4	-21.8	-2.1%
46.9%	1033.2	998.7	-34.5	-3.3%
48.1%	1029.3	986.6	-42.7	-4.1%
49.4%	1028.5	985.2	-43.2	-4.2%
50.6%	1028.3	975.0	-53.3	-5.2%
51.9%	1027.2	964.8	-62.3	-6.1%
53.1%	1021.6	952.7	-68.9	-6.7%
54.3%	1005.6	949.2	-56.4	-5.6%
55.6%	1004.9	948.1	-56.8	-5.7%
56.8%	1001.5	947.2	-54.3	-5.4%
58.0%	983.9	933.2	-50.7	-5.2%
59.3%	979.9	930.5	-49.4	-5.0%
60.5%	967.3	914.5	-52.8	-5.5%
61.7%	963.7	914.1	-49.6	-5.1%
63.0%	961.6	913.5	-48.1	-5.0%
64.2%	950.6	907.8	-42.8	-4.5%
65.4%	932.5	894.1	-38.4	-4.1%
66.7%	925.4	890.8	-34.7	-3.7%
67.9%	908.0	882.7	-25.2	-2.8%
69.1%	893.3	879.1	-14.1	-1.6%
70.4%	892.5	870.3	-22.1	-2.5%
71.6%	876.5	859.9	-16.6	-1.9%
72.8%	864.2	858.3	-5.9	-0.7%
74.1%	859.2	856.1	-3.0	-0.4%
75.3%	843.0	839.6	-3.4	-0.4%
76.5%	840.3	799.2	-41.1	-4.9%
77.8%	836.5	789.1	-47.4	-5.7%
79.0%	828.2	787.2	-41.0	-4.9%
80.2%	808.7	787.0	-21.6	-2.7%
81.5%	805.9	782.9	-23.0	-2.9%
82.7%	777.8	781.2	3.4	0.4%
84.0%	769.3	781.1	11.8	1.5%
85.2%	768.7	743.0	-25.7	-3.3%
86.4%	760.9	716.7	-44.2	-5.8%
87.7%	756.9	697.1	-59.7	-7.9%
88.9%	751.3	696.8	-54.5	-7.2%
90.1%	743.9	694.9	-49.0	-6.6%
91.4%	737.5	689.5	-48.1	-6.5%
92.6%	712.8	689.2	-23.6	-3.3%
93.8%	698.1	686.4	-11.7	-1.7%
95.1%	697.8	678.9	-18.8	-2.7%
96.3%	688.6	636.8	-51.8	-7.5%
97.5%	686.9	614.9	-72.0	-10.5%
98.8%	669.1	594.9	-74.3	-11.1%
100.0%	623.8	563.9	-59.9	-9.6%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	3816.4	3643.3	-173.1	-4.5%
1.2%	3603.0	3395.0	-208.0	-5.8%
2.5%	3563.8	3346.4	-217.4	-6.1%
3.7%	3521.6	3334.7	-186.9	-5.3%
4.9%	3510.9	3286.2	-224.7	-6.4%
6.2%	3478.6	3158.3	-320.3	-9.2%
7.4%	3438.4	3080.0	-358.4	-10.4%
8.6%	3391.3	3046.6	-344.7	-10.2%
9.9%	3387.8	3025.6	-362.2	-10.7%
11.1%	3338.8	2684.5	-654.3	-19.6%
12.3%	3232.3	2683.9	-548.4	-17.0%
13.6%	3227.7	2673.0	-554.7	-17.2%
14.8%	3168.5	2639.1	-529.4	-16.7%
16.0%	3036.1	2495.5	-540.6	-17.8%
17.3%	3025.9	2444.1	-581.7	-19.2%
18.5%	2941.7	2301.5	-640.2	-21.8%
19.8%	2910.7	2282.0	-628.7	-21.6%
21.0%	2888.6	2204.7	-683.9	-23.7%
22.2%	2832.3	2188.9	-643.5	-22.7%
23.5%	2734.2	2097.8	-636.4	-23.3%
24.7%	2717.6	2090.9	-626.7	-23.1%
25.9%	2682.5	2086.7	-595.8	-22.2%
27.2%	2669.4	2050.1	-619.4	-23.2%
28.4%	2561.5	1977.0	-584.5	-22.8%
29.6%	2549.9	1961.3	-588.5	-23.1%
30.9%	2538.5	1913.2	-625.4	-24.6%
32.1%	2523.3	1906.5	-616.7	-24.4%
33.3%	2444.2	1902.6	-541.5	-22.2%
34.6%	2283.1	1900.4	-382.7	-16.8%
35.8%	2251.2	1886.7	-364.5	-16.2%
37.0%	2175.6	1885.3	-290.4	-13.3%
38.3%	2117.7	1884.6	-233.2	-11.0%
39.5%	2114.2	1706.2	-408.0	-19.3%
40.7%	2097.2	1705.4	-391.8	-18.7%
42.0%	2054.0	1671.6	-382.5	-18.6%
43.2%	2028.4	1657.2	-371.2	-18.3%
44.4%	1922.8	1588.8	-334.0	-17.4%
45.7%	1876.3	1553.0	-323.3	-17.2%
46.9%	1874.8	1539.7	-335.1	-17.9%
48.1%	1834.2	1532.3	-301.9	-16.5%
49.4%	1831.9	1526.2	-305.7	-16.7%
50.6%	1730.6	1453.2	-277.4	-16.0%
51.9%	1726.9	1396.3	-330.7	-19.1%
53.1%	1675.3	1348.5	-326.7	-19.5%
54.3%	1602.6	1248.7	-353.9	-22.1%
55.6%	761.5	641.8	-119.8	-15.7%
56.8%	663.8	598.2	-65.6	-9.9%
58.0%	636.9	566.8	-70.1	-11.0%
59.3%	580.8	557.6	-23.3	-4.0%
60.5%	580.7	534.2	-46.5	-8.0%
61.7%	572.7	520.8	-51.9	-9.1%
63.0%	552.4	519.4	-33.0	-6.0%
64.2%	547.9	516.6	-31.3	-5.7%
65.4%	543.7	503.9	-39.8	-7.3%
66.7%	543.3	498.9	-44.4	-8.2%
67.9%	531.2	490.4	-40.8	-7.7%
69.1%	500.3	458.7	-41.6	-8.3%
70.4%	370.7	370.3	-0.4	-0.1%
71.6%	351.2	355.8	4.6	1.3%
72.8%	348.7	340.1	-8.5	-2.4%
74.1%	346.3	333.9	-12.4	-3.6%
75.3%	341.8	333.1	-8.7	-2.5%
76.5%	336.5	329.2	-7.3	-2.2%
77.8%	333.2	327.4	-5.8	-1.7%
79.0%	330.1	325.5	-4.7	-1.4%
80.2%	328.0	323.7	-4.2	-1.3%
81.5%	326.7	323.3	-3.4	-1.0%
82.7%	324.4	314.7	-9.8	-3.0%
84.0%	322.0	312.6	-9.4	-2.9%
85.2%	321.7	312.2	-9.4	-2.9%
86.4%	320.8	309.8	-11.0	-3.4%
87.7%	318.0	308.4	-9.6	-3.0%
88.9%	314.6	307.8	-6.7	-2.1%
90.1%	314.3	307.8	-6.6	-2.1%
91.4%	313.1	307.8	-5.4	-1.7%
92.6%	312.3	307.1	-5.2	-1.7%
93.8%	312.1	305.5	-6.6	-2.1%
95.1%	312.0	304.8	-7.2	-2.3%
96.3%	310.2	302.1	-8.1	-2.6%
97.5%	308.9	298.0	-11.0	-3.5%
98.8%	307.6	297.5	-10.1	-3.3%
100.0%	276.4	295.8	19.4	7.0%

Figure SQ-22-b
Sacramento River at Collinsville, Monthly EC
Probability of Exceedance

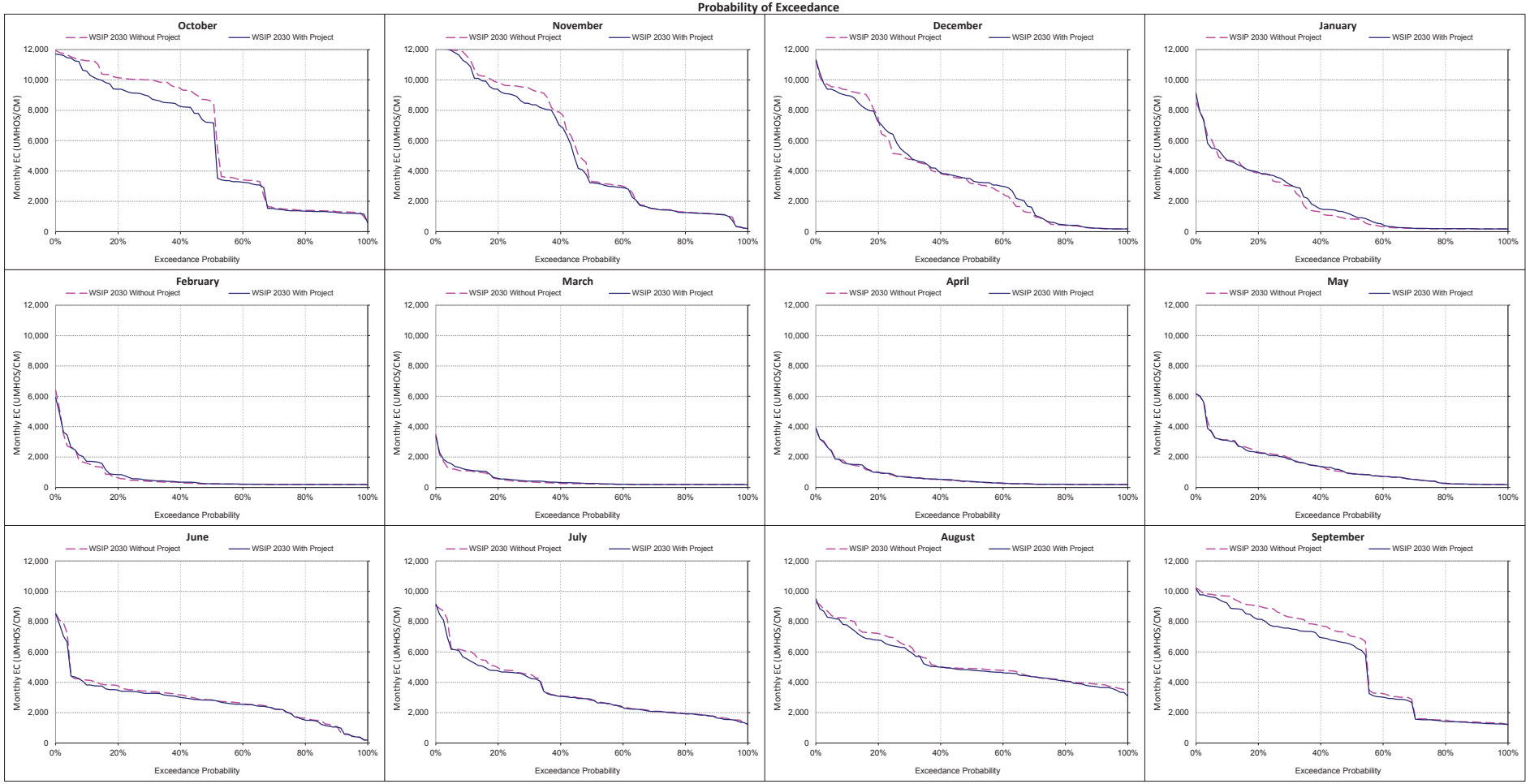


Table SQ-22-b

Sacramento River at Collinsville, Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	11954.6	11710.1	-244.5	-2.0%
1.2%	11802.8	11674.8	-128.0	-1.1%
2.5%	11754.7	11613.4	-141.3	-1.2%
3.7%	11657.2	11456.6	-200.6	-1.7%
4.9%	11528.6	11451.8	-76.8	-0.7%
6.2%	11427.6	11250.3	-177.3	-1.6%
7.4%	11336.6	11231.8	-104.8	-0.9%
8.6%	11314.3	10636.8	-677.5	-6.0%
9.9%	11267.3	10595.4	-671.8	-6.0%
11.1%	11266.8	10296.4	-970.4	-8.6%
12.3%	11244.1	10166.9	-1077.2	-9.6%
13.6%	11024.6	10040.7	-983.9	-8.9%
14.8%	10377.0	9966.5	-410.5	-4.0%
16.0%	10365.0	9822.1	-542.9	-5.2%
17.3%	10361.2	9757.3	-603.8	-5.8%
18.5%	10215.9	9408.5	-807.4	-7.9%
19.8%	10149.5	9393.1	-756.4	-7.5%
21.0%	10123.5	9387.2	-736.3	-7.3%
22.2%	10098.4	9282.0	-816.4	-8.1%
23.5%	10059.6	9180.1	-879.5	-8.7%
24.7%	10042.4	9137.2	-905.2	-9.0%
25.9%	10035.4	9128.7	-906.7	-9.0%
27.2%	10034.0	9096.2	-937.8	-9.3%
28.4%	10009.9	9019.5	-990.4	-9.9%
29.6%	10009.3	8949.2	-1060.1	-10.6%
30.9%	10004.8	8748.5	-1256.3	-12.6%
32.1%	9935.4	8669.7	-1265.7	-12.7%
33.3%	9854.1	8624.1	-1229.9	-12.5%
34.6%	9846.2	8518.1	-1328.1	-13.5%
35.8%	9841.8	8498.3	-1343.5	-13.7%
37.0%	9633.4	8477.8	-1155.6	-12.0%
38.3%	9525.0	8447.5	-1077.5	-11.3%
39.5%	9503.2	8275.2	-1228.1	-12.9%
40.7%	9333.0	8229.1	-1103.9	-11.8%
42.0%	9317.8	8214.3	-1103.5	-11.8%
43.2%	9305.8	8194.8	-1110.9	-11.9%
44.4%	9095.9	7806.5	-1289.4	-14.2%
45.7%	8948.3	7804.7	-1143.6	-12.8%
46.9%	8720.0	7384.7	-1335.3	-15.3%
48.1%	8707.5	7216.8	-1490.6	-17.1%
49.4%	8647.8	7203.5	-1444.3	-16.7%
50.6%	8451.3	7171.2	-1280.1	-15.1%
51.9%	5467.5	3527.4	-1940.1	-35.5%
53.1%	3634.7	3411.9	-222.8	-6.1%
54.3%	3595.4	3363.1	-232.3	-6.5%
55.6%	3587.0	3359.5	-227.5	-6.3%
56.8%	3561.6	3303.2	-258.4	-7.3%
58.0%	3473.4	3297.6	-175.8	-5.1%
59.3%	3430.0	3273.4	-156.6	-4.6%
60.5%	3405.9	3248.8	-157.1	-4.6%
61.7%	3387.2	3234.9	-152.3	-4.5%
63.0%	3373.0	3147.0	-226.0	-6.7%
64.2%	3349.2	3088.7	-260.5	-7.8%
65.4%	3291.2	3076.1	-215.1	-6.5%
66.7%	2361.1	2897.3	536.2	22.7%
67.9%	1658.0	1536.1	-122.0	-7.4%
69.1%	1621.4	1534.5	-86.8	-5.4%
70.4%	1540.5	1491.7	-48.8	-3.2%
71.6%	1535.9	1457.7	-78.2	-5.1%
72.8%	1490.2	1452.0	-38.1	-2.6%
74.1%	1476.6	1393.2	-83.4	-5.6%
75.3%	1457.0	1382.3	-74.6	-5.1%
76.5%	1456.1	1379.9	-76.1	-5.2%
77.8%	1415.5	1371.0	-44.5	-3.1%
79.0%	1407.4	1359.8	-47.6	-3.4%
80.2%	1400.3	1352.9	-47.4	-3.4%
81.5%	1399.7	1338.5	-61.2	-4.4%
82.7%	1395.8	1334.6	-61.2	-4.4%
84.0%	1379.7	1334.3	-45.4	-3.3%
85.2%	1375.2	1328.4	-46.8	-3.4%
86.4%	1369.7	1325.7	-44.0	-3.2%
87.7%	1368.2	1300.9	-67.3	-4.9%
88.9%	1363.5	1290.7	-72.8	-5.3%
90.1%	1316.4	1266.0	-50.4	-3.8%
91.4%	1307.6	1231.5	-76.2	-5.8%
92.6%	1302.9	1229.8	-73.2	-5.6%
93.8%	1299.1	1212.7	-86.5	-6.7%
95.1%	1282.6	1207.7	-74.9	-5.8%
96.3%	1273.5	1190.5	-83.1	-6.5%
97.5%	1252.8	1186.7	-66.1	-5.3%
98.8%	988.8	1154.4	165.6	16.8%
100.0%	623.7	588.6	-35.1	-5.6%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	12229.5	12130.2	-99.3	-0.8%
1.2%	12152.5	12122.4	-30.0	-0.2%
2.5%	12130.7	12039.4	-91.3	-0.8%
3.7%	12128.3	12034.2	-94.0	-0.8%
4.9%	11984.8	11944.8	-40.1	-0.3%
6.2%	11955.7	11793.2	-162.5	-1.4%
7.4%	11938.0	11632.9	-305.1	-2.6%
8.6%	11869.3	11305.4	-563.8	-4.8%
9.9%	11587.8	11131.5	-456.2	-3.9%
11.1%	11301.1	10886.9	-414.2	-3.7%
12.3%	10709.2	10114.2	-594.9	-5.6%
13.6%	10324.5	10103.9	-220.5	-2.1%
14.8%	10261.8	9936.4	-325.3	-3.2%
16.0%	10244.4	9929.9	-314.5	-3.1%
17.3%	10095.3	9571.3	-524.1	-5.2%
18.5%	9930.6	9413.0	-517.6	-5.2%
19.8%	9830.2	9385.5	-444.7	-4.5%
21.0%	9749.8	9191.9	-557.9	-5.7%
22.2%	9636.6	9109.6	-527.1	-5.5%
23.5%	9629.1	9075.4	-553.7	-5.8%
24.7%	9624.5	9016.5	-607.9	-6.3%
25.9%	9601.5	8919.8	-681.7	-7.1%
27.2%	9553.1	8631.0	-922.0	-9.7%
28.4%	9511.3	8465.6	-1045.7	-11.0%
29.6%	9491.2	8459.8	-1031.5	-10.9%
30.9%	9351.4	8365.5	-985.9	-10.5%
32.1%	9246.9	8357.2	-889.6	-9.6%
33.3%	9195.6	8201.5	-994.1	-10.8%
34.6%	9129.5	8109.7	-1019.8	-11.2%
35.8%	8822.3	8031.1	-791.1	-9.0%
37.0%	8190.5	8029.2	-161.3	-2.0%
38.3%	7907.7	7572.5	-335.1	-4.2%
39.5%	7893.2	7026.9	-866.4	-11.0%
40.7%	7670.1	6844.6	-825.6	-10.8%
42.0%	6620.5	6336.8	-283.7	-4.3%
43.2%	6368.8	5765.1	-603.8	-9.5%
44.4%	5790.1	4928.8	-861.3	-14.9%
45.7%	5040.1	4173.5	-866.7	-17.2%
46.9%	4785.6	4086.8	-698.8	-14.6%
48.1%	4561.4	3792.9	-768.5	-16.8%
49.4%	3354.4	3233.0	-121.4	-3.6%
50.6%	3286.6	3210.0	-76.6	-2.3%
51.9%	3279.1	3176.9	-102.2	-3.1%
53.1%	3158.2	3126.8	-31.4	-1.0%
54.3%	3149.1	3039.4	-109.8	-3.5%
55.6%	3131.8	2986.4	-145.4	-4.6%
56.8%	3077.6	2964.4	-113.2	-3.7%
58.0%	3060.4	2943.1	-117.3	-3.8%
59.3%	3036.4	2921.4	-115.1	-3.8%
60.5%	2947.2	2887.1	-60.1	-2.0%
61.7%	2816.5	2807.1	-9.4	-0.3%
63.0%	2581.4	2274.1	-307.3	-11.9%
64.2%	2043.3	2060.6	17.3	0.8%
65.4%	1774.4	1726.1	-48.3	-2.7%
66.7%	1734.6	1689.3	-45.2	-2.6%
67.9%	1569.1	1625.5	56.4	3.6%
69.1%	1527.9	1531.0	3.1	0.2%
70.4%	1500.5	1496.7	-3.8	-0.3%
71.6%	1478.7	1450.3	-28.4	-1.9%
72.8%	1460.8	1430.6	-30.2	-2.1%
74.1%	1444.9	1425.9	-19.0	-1.3%
75.3%	1439.7	1412.4	-27.2	-1.9%
76.5%	1389.0	1356.4	-32.6	-2.3%
77.8%	1311.9	1284.5	-27.4	-2.1%
79.0%	1309.3	1260.8	-48.5	-3.7%
80.2%	1265.4	1250.8	-14.6	-1.2%
81.5%	1258.5	1234.5	-23.9	-1.9%
82.7%	1248.0	1226.9	-21.1	-1.7%
84.0%	1237.4	1209.0	-28.4	-2.3%
85.2%	1221.3	1203.1	-18.2	-1.5%
86.4%	1197.7	1195.2	-2.5	-0.2%
87.7%	1196.0	1169.6	-26.4	-2.2%
88.9%	1159.9	1169.1	9.2	0.8%
90.1%	1153.8	1140.3	-13.5	-1.2%
91.4%	1136.0	1120.4	-15.6	-1.4%
92.6%	1130.3	1113.3	-17.0	-1.5%
93.8%	1026.5	998.0	-28.5	-2.8%
95.1%	950.0	747.8	-202.2	-21.3%
96.3%	326.3	337.6	11.4	3.5%
97.5%	293.9	315.9	22.1	7.5%
98.8%	231.0	229.8	-1.2	
100.0%	201.0	213.8	12.8	

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	11317.5	11323.4	5.9	0.1%
1.2%	10201.8	10469.7	267.8	2.6%
2.5%	9774.6	9764.0	-10.5	-0.1%
3.7%	9713.9	9399.5	-314.4	-3.2%
4.9%	9560.7	9388.2	-172.5	-1.8%
6.2%	9525.6	9289.0	-236.5	-2.5%
7.4%	9499.0	9132.3	-366.6	-3.9%
8.6%	9393.3	9051.3	-342.1	-3.6%
9.9%	9358.7	8977.7	-381.0	-4.1%
11.1%	9241.2	8953.0	-288.2	-3.1%
12.3%	9200.9	8817.6	-383.3	-4.2%
13.6%	9138.2	8506.8	-631.4	-6.9%
14.8%	9123.5	8257.0	-866.5	-9.5%
16.0%	9045.9	8086.5	-959.3	-10.6%
17.3%	8650.3	7969.8	-680.6	-7.9%
18.5%	8059.2	7953.3	-105.8	-1.3%
19.8%	7673.5	7304.0	-369.5	-4.8%
21.0%	6454.6	7054.1	599.5	9.3%
22.2%	6304.1	6730.9	426.8	6.8%
23.5%	5984.8	6523.6	538.8	9.0%
24.7%	5147.9	6432.5	1284.6	25.0%
25.9%	5126.0	5843.8	717.8	14.0%
27.2%	5090.3	5475.6	385.3	7.6%
28.4%	4873.2	5253.0	379.9	7.8%
29.6%	4774.8	5053.8	278.9	5.8%
30.9%	4759.6	4783.8	24.1	0.5%
32.1%	4576.4	4694.1	117.7	2.6%
33.3%	4545.9	4610.5	64.5	1.4%
34.6%	4480.2	4583.0	102.8	2.3%
35.8%	4465.3	4416.9	-48.3	-1.1%
37.0%	4035.0	4209.1	174.1	4.3%
38.3%	3945.1	4185.5	240.4	6.1%
39.5%	3887.2	3942.8	55.5	1.4%
40.7%	3779.7	3822.4	42.8	1.1%
42.0%	3744.3	3812.9	68.6	1.8%
43.2%	3699.4	3750.1	50.8	1.4%
44.4%	3576.3	3684.0	107.7	3.0%
45.7%	3536.5	3625.3	88.8	2.5%
46.9%	3530.4	3575.0	44.6	1.3%
48.1%	3459.9	3514.1	54.2	1.6%
49.4%	3200.7	3497.0	296.2	9.3%
50.6%	3153.4	3311.0	157.6	5.0%
51.9%	3141.8	3260.1	118.3	3.8%
53.1%	3055.2	3241.0	185.8	6.1%
54.3%	3036.6	3234.3	197.8	6.5%
55.6%	2934.8	3225.6	290.8	9.9%
56.8%	2874.5	3078.4	203.9	7.1%
58.0%	2701.4	3076.5	375.1	13.9%
59.3%	2639.4	3013.3	373.8	14.2%
60.5%	2398.0	2974.7	576.8	24.1%
61.7%	2308.8	2879.4	570.6	24.7%
63.0%	1998.4	2684.7	686.3	34.3%
64.2%	1662.0	2205.6	543.6	32.7%
65.4%	1655.9	2116.1	460.2	27.8%
66.7%	1324.9	2041.8	716.9	54.1%
67.9%	1277.9	1662.3	384.3	30.1%
69.1%	1262.8	1620.1	357.2	28.3%
70.4%	959.5	1068.6	109.1	11.4%
71.6%	947.1	972.8	25.7	2.7%
72.8%	807.5	854.4	46.9	5.8%
74.1%	693.0	684.5	-8.4	-1.2%
75.3%	489.8	617.3	127.6	26.0%
76.5%	457.6	587.1	129.5	28.3%
77.8%	448.1	483.2	35.0	7.8%
79.0%	435.2	463.0	27.9	6.4%
80.2%	413.9	441.1	27.2	6.6%
81.5%	397.1	427.0	29.9	7.5%
82.7%	386.1	426.6	40.5	10.5%
84.0%	375.1	414.4	39.3	10.5%
85.2%	304.8	327.5	22.7	7.5%
86.4%	265.8	282.3	16.5	6.2%
87.7%	245.6	259.4	13.8	5.6%
88.9%	244.5	240.0	-4.5	-1.8%
90.1%	228.6	227.8	-0.8	-0.4%
91.4%	218.2	221.2	3.0	1.4%
92.6%	204.4	204.2	-0.2	-0.1%
93.8%	197.8	199.0	1.2	0.6%
95.1%	185.4	185.4	0.0	
96.3%	184.8	185.0	0.2	
97.5%	181.0	180.9	-0.1	
98.8%	180.7	180.7	0.0	
100.0%	180.3	180.4	0.1	

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	8539.9	9136.3	596.4	7.0%
1.2%	7994.6	7896.0	-98.7	-1.2%
2.5%	7356.3	7348.8	-7.6	-0.1%
3.7%	6325.3	5822.5	-502.9	-8.0%
4.9%	6083.2	5517.6	-565.6	-9.3%
6.2%	5497.8	5470.1	-27.8	-0.5%
7.4%	4884.4	5343.0	458.6	9.4%
8.6%	4783.6	5007.2	223.6	4.7%
9.9%	4703.7	4723.1	19.4	0.4%
11.1%	4703.7	4629.0	-74.7	-1.6%
12.3%	4665.6	4553.1	-112.5	-2.4%
13.6%	4650.8	4399.1	-251.7	-5.4%
14.8%	4291.2	4308.2	16.9	0.4%
16.0%	4102.8	4135.8	32.9	0.8%
17.3%	4038.8	4036.0	-2.9	-0.1%
18.5%	3931.7	3996.1	64.3	1.6%
19.8%	3847.3	3932.1	84.8	2.2%
21.0%	3790.8	3822.5	31.7	0.8%
22.2%	3784.4	3819.3	34.9	0.9%
23.5%	3779.8	3733.3	-46.5	-1.2%
24.7%	3344.4	3713.6	369.3	11.0%
25.9%	3276.0	3581.6	305.6	9.3%
27.2%	3262.5	3520.8	258.4	7.9%
28.4%	3054.3	3342.8	288.5	9.4%
29.6%	3028.2	3151.5	123.3	4.1%
30.9%	3008.7	3024.7	16.0	0.5%
32.1%	2535.0	2924.9	389.9	15.4%
33.3%	2319.5	2872.5	553.0	23.8%
34.6%	1719.3	2289.1	569.8	33.1%
35.8%	1460.4	2200.8	740.4	50.7%
37.0%	1389.1	1828.0	439.0	31.6%
38.3%	1350.5	1693.4	343.0	25.4%
39.5%	1323.6	1531.8	208.2	15.7%
40.7%	1134.8	1464.8	330.0	29.1%
42.0%	1084.0	1459.4	375.4	34.6%
43.2%	1075.0	1446.6	371.6	34.6%
44.4%	1066.6	1422.5	355.9	33.4%
45.7%	970.7	1341.8	371.1	38.2%
46.9%	916.2	1335.4	419.2	45.7%
48.1%	841.5	1239.5	397.9	47.3%
49.4%	834.9	1149.0	314.1	37.6%
50.6%	825.9	1038.6	212.7	25.8%
51.9%	820.0	911.3	91.3	11.1%
53.1%	798.6	909.3	110.8	13.9%
54.3%	570.5	872.5	301.9	52.9%
55.6%	477.8	757.4	279.6	58.5%
56.8%	453.1	642.6	189.5	41.8%
58.0%	404.5	564.0	159.5	39.4%
59.3%	341.6	517.1	175.5	51.4%
60.5%	322.1	402.7	80.7	25.0%
61.7%	284.1	333.7	49.6	17.5%
63.0%	259.9	330.1	70.2	27.0%
64.2%	252.3	280.6	28.3	11.2%
65.4%	245.9	273.9	27.9	11.4%
66.7%	231.0	257.6	26.6	11.5%
67.9%	230.2	241.9	11.7	5.1%
69.1%	225.2	228.2	3.0	1.3%
70.4%	212.5	221.8	9.4	4.4%
71.6%	211.5	218.9	7.3	3.5%
72.8%	204.4	214.3	9.9	4.8%
74.1%	202.3	209.2	6.9	3.4%
75.3%	200.6	202.0	1.4	0.7%
76.5%	196.2	201.2	5.0	2.5%
77.8%	195.9	198.4	2.5	1.3%
79.0%	195.5	196.4	0.8	0.4%
80.2%	194.9	195.8	0.9	0.5%
81.5%	194.9	195.1	0.2	0.1%
82.7%	194.8	195.0	0.2	0.1%
84.0%	192.1	192.4	0.4	0.2%
85.2%	191.4	192.2	0.8	0.4%
86.4%	190.9	191.8	0.9	0.5%
87.7%	189.3	191.4	2.1	1.1%
88.9%	189.0	189.6	0.6	0.3%
90.1%	186.3	186.5	0.1	0.1%
91.4%	185.5	186.3	0.8	0.4%
92.6%	185.3	185.9	0.5	0.3%
93.8%	185.1	185.8	0.7	0.4%
95.1%	184.7	184.8	0.1	0.1%
96.3%	184.3	184.4	0.1	0.1%
97.5%	182.9	183.1	0.2	0.1%
98.8%	182.2	182.6	0.4	0.2%
100.0%	180.5	180.5	0.0	0.0%

Table SQ-22-b

Sacramento River at Collinsville, Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	6406.7	5924.5	-482.2	-7.5%
1.2%	5172.5	4855.8	-316.7	-6.1%
2.5%	3545.8	3640.5	94.7	2.7%
3.7%	2724.6	3456.5	732.0	26.9%
4.9%	2625.5	2612.1	-13.4	-0.5%
6.2%	2585.6	2488.3	-97.2	-3.8%
7.4%	1823.5	2138.3	314.8	17.3%
8.6%	1670.6	2044.8	374.2	22.4%
9.9%	1598.7	1720.9	122.2	7.6%
11.1%	1507.9	1720.8	212.9	14.1%
12.3%	1387.4	1702.4	315.1	22.7%
13.6%	1346.0	1657.6	311.7	23.2%
14.8%	1340.6	1584.6	244.0	18.2%
16.0%	861.8	1153.5	291.7	33.8%
17.3%	861.4	898.2	36.8	4.3%
18.5%	661.7	852.8	191.1	28.9%
19.8%	644.8	839.3	194.5	30.2%
21.0%	571.3	834.0	262.7	46.0%
22.2%	553.6	750.6	197.0	35.6%
23.5%	486.0	647.9	161.9	33.3%
24.7%	464.5	572.2	107.7	23.2%
25.9%	461.7	559.9	98.3	21.3%
27.2%	438.1	554.0	115.8	26.4%
28.4%	423.6	494.8	71.2	16.8%
29.6%	400.7	476.1	75.4	18.8%
30.9%	385.1	467.4	82.3	21.4%
32.1%	375.9	436.8	60.9	16.2%
33.3%	367.5	422.4	54.9	14.9%
34.6%	349.1	422.0	72.9	20.9%
35.8%	347.5	392.5	45.0	12.9%
37.0%	347.2	392.1	45.0	12.9%
38.3%	344.7	380.2	35.6	10.3%
39.5%	336.5	350.3	13.8	4.1%
40.7%	283.5	340.8	57.3	20.2%
42.0%	282.7	339.6	56.9	20.1%
43.2%	278.2	338.9	60.7	21.8%
44.4%	259.4	319.5	60.1	23.2%
45.7%	243.3	299.5	56.2	23.1%
46.9%	235.3	253.0	17.7	7.5%
48.1%	229.0	247.3	18.3	8.0%
49.4%	228.6	242.5	13.8	6.1%
50.6%	221.7	240.4	18.8	8.5%
51.9%	221.5	232.6	11.1	5.0%
53.1%	221.4	232.0	10.6	4.8%
54.3%	220.0	229.1	9.1	4.2%
55.6%	219.0	226.5	7.5	3.4%
56.8%	217.7	223.9	6.2	2.9%
58.0%	212.3	219.2	6.9	3.2%
59.3%	210.9	215.0	4.1	2.0%
60.5%	210.7	214.4	3.6	1.7%
61.7%	203.1	212.9	9.8	4.8%
63.0%	201.1	212.3	11.2	5.6%
64.2%	200.7	211.4	10.7	5.3%
65.4%	198.9	205.3	6.4	3.2%
66.7%	198.3	203.0	4.7	2.4%
67.9%	195.5	198.0	2.5	1.3%
69.1%	193.9	196.5	2.5	1.3%
70.4%	193.6	194.4	0.8	0.4%
71.6%	193.5	194.4	0.9	0.5%
72.8%	193.1	194.3	1.3	0.6%
74.1%	192.6	193.9	1.3	0.7%
75.3%	192.1	192.9	0.8	0.4%
76.5%	190.8	191.4	0.6	0.3%
77.8%	190.7	190.6	-0.1	0.0%
79.0%	190.3	190.2	0.0	0.0%
80.2%	189.5	189.5	0.0	0.0%
81.5%	189.4	189.4	0.0	0.0%
82.7%	188.8	189.2	0.4	0.2%
84.0%	188.4	188.7	0.4	0.2%
85.2%	187.6	188.3	0.7	0.4%
86.4%	187.6	188.2	0.6	0.3%
87.7%	187.1	187.1	0.1	0.0%
88.9%	186.3	186.3	0.0	0.0%
90.1%	185.7	186.2	0.5	0.3%
91.4%	185.7	186.2	0.5	0.3%
92.6%	185.5	185.7	0.1	0.1%
93.8%	185.1	185.3	0.1	0.1%
95.1%	184.8	184.7	-0.1	-0.1%
96.3%	183.5	184.7	1.2	0.6%
97.5%	183.0	183.4	0.3	0.2%
98.8%	182.5	182.5	0.0	0.0%
100.0%	179.4	179.4	0.0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	3483.7	3346.9	-136.9	-3.9%
1.2%	2126.0	2301.9	175.9	8.3%
2.5%	1715.0	1847.3	132.3	7.7%
3.7%	1327.3	1660.2	332.9	25.1%
4.9%	1233.2	1557.0	323.8	26.3%
6.2%	1200.3	1374.9	174.7	14.6%
7.4%	1113.9	1319.9	206.0	18.5%
8.6%	1093.0	1240.6	147.6	13.5%
9.9%	1087.5	1159.7	72.1	6.6%
11.1%	1085.1	1130.9	45.7	4.2%
12.3%	1030.9	1097.1	66.2	6.4%
13.6%	1013.5	1075.4	61.9	6.1%
14.8%	970.9	1062.5	91.6	9.4%
16.0%	945.7	1062.3	116.6	12.3%
17.3%	813.2	869.4	56.1	6.9%
18.5%	603.4	648.1	44.6	7.4%
19.8%	566.2	604.5	38.3	6.8%
21.0%	510.2	541.4	31.3	6.1%
22.2%	490.6	541.1	50.5	10.3%
23.5%	449.5	531.1	81.6	18.2%
24.7%	418.2	503.3	85.1	20.4%
25.9%	411.9	485.8	73.9	17.9%
27.2%	387.6	443.3	55.6	14.4%
28.4%	377.6	421.1	43.5	11.5%
29.6%	360.5	415.5	55.0	15.3%
30.9%	354.5	414.4	59.9	16.9%
32.1%	340.8	408.8	68.0	20.0%
33.3%	320.8	404.9	84.1	26.2%
34.6%	317.9	388.7	70.8	22.3%
35.8%	309.1	355.6	46.5	15.0%
37.0%	294.8	344.5	49.7	16.9%
38.3%	280.9	340.7	59.8	21.3%
39.5%	265.1	321.2	56.1	21.1%
40.7%	263.2	311.5	48.3	18.4%
42.0%	257.4	306.7	49.3	19.2%
43.2%	250.7	306.0	55.3	22.1%
44.4%	248.2	299.5	51.3	20.7%
45.7%	246.3	295.9	49.5	20.1%
46.9%	245.5	281.2	35.7	14.5%
48.1%	237.9	265.2	27.3	11.5%
49.4%	233.9	259.6	25.8	11.0%
50.6%	228.5	257.7	29.2	12.8%
51.9%	225.4	250.1	24.7	10.9%
53.1%	222.3	231.6	9.3	4.2%
54.3%	217.5	226.2	8.6	4.0%
55.6%	205.4	220.6	15.2	7.4%
56.8%	205.2	219.0	13.8	6.7%
58.0%	205.0	210.3	5.2	2.5%
59.3%	201.6	209.6	8.0	3.9%
60.5%	200.9	206.3	5.4	2.7%
61.7%	197.3	200.8	3.4	1.7%
63.0%	195.6	196.4	0.8	0.4%
64.2%	195.2	196.2	0.9	0.5%
65.4%	194.2	195.7	1.5	0.8%
66.7%	193.4	194.9	1.4	0.7%
67.9%	193.2	194.0	0.8	0.4%
69.1%	193.2	193.6	0.4	0.2%
70.4%	191.4	193.2	1.9	1.0%
71.6%	190.8	192.5	1.7	0.9%
72.8%	190.8	190.9	0.1	0.1%
74.1%	189.9	190.6	0.7	0.4%
75.3%	188.8	190.3	1.4	0.8%
76.5%	188.7	190.3	1.5	0.8%
77.8%	188.3	188.7	0.4	0.2%
79.0%	188.2	188.6	0.4	0.2%
80.2%	188.2	188.5	0.3	0.2%
81.5%	187.9	188.2	0.3	0.2%
82.7%	187.5	188.1	0.5	0.3%
84.0%	187.0	187.7	0.7	0.4%
85.2%	186.7	187.3	0.7	0.4%
86.4%	186.1	186.3	0.2	0.1%
87.7%	186.1	186.1	0.1	0.0%
88.9%	185.7	186.0	0.4	0.2%
90.1%	185.6	186.0	0.4	0.2%
91.4%	185.3	185.4	0.1	0.1%
92.6%	184.6	184.6	0.0	0.0%
93.8%	184.6	184.6	-0.1	0.0%
95.1%	183.8	184.4	0.5	0.3%
96.3%	182.8	182.8	0.0	0.0%
97.5%	181.7	181.7	0.0	0.0%
98.8%	181.1	181.4	0.3	0.2%
100.0%	180.9	180.9	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	3920.2	3881.9	-38.3	-1.0%
1.2%	3182.5	3183.8	1.3	0.0%
2.5%	3065.6	2972.5	-93.0	-3.0%
3.7%	2679.7	2648.4	-31.3	-1.2%
4.9%	2441.1	2401.9	-39.2	-1.6%
6.2%	1900.0	1861.1	-38.9	-2.0%
7.4%	1831.3	1846.0	14.7	0.8%
8.6%	1797.4	1628.1	-169.3	-9.4%
9.9%	1595.3	1564.7	-30.5	-1.9%
11.1%	1503.8	1532.3	28.5	1.9%
12.3%	1446.7	1499.5	52.9	3.7%
13.6%	1406.9	1499.4	92.6	6.6%
14.8%	1382.9	1478.2	95.3	6.9%
16.0%	1158.1	1250.0	91.9	7.9%
17.3%	1154.0	1119.6	-34.4	-3.0%
18.5%	1035.5	1001.1	-34.4	-3.3%
19.8%	1008.0	992.6	-15.5	-1.5%
21.0%	964.3	933.3	-31.0	-3.2%
22.2%	915.6	930.9	15.3	1.7%
23.5%	862.5	921.1	58.6	6.8%
24.7%	808.1	863.5	55.5	6.9%
25.9%	708.8	740.5	31.7	4.5%
27.2%	706.7	718.1	11.4	1.6%
28.4%	699.6	691.2	-8.4	-1.2%
29.6%	696.1	658.6	-37.5	-5.4%
30.9%	663.0	627.4	-35.5	-5.4%
32.1%	634.0	623.2	-10.8	-1.7%
33.3%	619.5	621.1	1.6	0.3%
34.6%	596.4	567.0	-29.3	-4.9%
35.8%	549.5	560.0	10.5	1.9%
37.0%	536.6	556.5	19.9	3.7%
38.3%	536.3	546.4	10.1	1.9%
39.5%	514.1	525.5	11.4	2.2%
40.7%	511.0	515.1	4.0	0.8%
42.0%	476.8	513.7	36.9	7.7%
43.2%	452.7	512.1	59.4	13.1%
44.4%	447.7	459.9	12.2	2.7%
45.7%	437.4	441.9	4.5	1.0%
46.9%	382.0	404.1	22.1	5.8%
48.1%	369.3	404.0	34.7	9.4%
49.4%	369.2	402.2	33.0	8.9%
50.6%	364.5	380.7	16.3	4.5%
51.9%	353.5	354.5	1.0	0.3%
53.1%	348.3	340.9	-7.4	-2.1%
54.3%	320.2	330.3	10.1	3.1%
55.6%	301.5	321.9	20.4	6.8%
56.8%	300.3	299.6	-0.6	-0.2%
58.0%	284.2	292.9	8.8	3.1%
59.3%	268.0	290.6	22.6	8.4%
60.5%	247.3	269.8	22.5	9.1%
61.7%	237.9	251.1	13.2	5.6%
63.0%	236.7	249.0	12.3	5.2%
64.2%	234.1	238.9	4.8	2.0%
65.4%	230.1	236.6	6.6	2.8%
66.7%	229.4	236.4	6.9	3.0%
67.9%	223.4	234.5	11.1	5.0%
69.1%	217.9	219.7	1.8	0.8%
70.4%	208.8	212.7	3.8	1.8%
71.6%	205.9	208.5	2.6	1.3%
72.8%	205.0	206.8	1.8	0.9%
74.1%	203.0	205.3	2.3	1.1%
75.3%	202.9	203.6	0.7	0.3%
76.5%	201.8	203.0	1.2	0.6%
77.8%	201.2	202.0	0.8	0.4%
79.0%	199.7	201.4	1.7	0.8%
80.2%	199.6	199.7	0.1	0.0%
81.5%	196.8	196.9	0.1	0.0%
82.7%	195.9	196.3	0.4	0.2%
84.0%	195.8	195.8	0.0	0.0%
85.2%	195.0	195.7	0.7	0.4%
86.4%	194.5	195.6	1.1	0.5%
87.7%	194.2	195.2	0.9	0.5%
88.9%	192.5	192.6	0.1	0.0%
90.1%	190.1	192.2	2.1	1.1%
91.4%	189.1	190.9	1.8	1.0%
92.6%	188.2	188.2	0.0	0.0%
93.8%	186.4	186.2	-0.2	-0.1%
95.1%	185.7	185.7	0.0	0.0%
96.3%	185.4	185.6	0.2	0.1%
97.5%	185.3	185.3	0.0	0.0%
98.8%	182.6	182.7	0.1	0.1%
100.0%	181.2	181.5	0.4	0.2%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	6185.7	6149.8	-35.9	-0.6%
1.2%	6019.0	6030.4	11.3	0.2%
2.5%	5634.7	5609.4	-25.3	-0.4%
3.7%	4341.4	3888.4	-453.0	-10.4%
4.9%	3675.6	3681.2	5.6	0.2%
6.2%	3230.6	3252.7	22.1	0.7%
7.4%	3173.7	3189.7	16.0	0.5%
8.6%	3130.4	3124.3	-6.1	-0.2%
9.9%	3128.0	3106.9	-21.1	-0.7%
11.1%	3103.8	3032.6	-71.3	-2.3%
12.3%	3083.2	3023.9	-59.3	-1.9%
13.6%	2755.3	2701.4	-53.9	-2.0%
14.8%	2727.2	2650.7	-76.4	-2.8%
16.0%	2645.1	2450.0	-195.1	-7.4%
17.3%	2555.9	2368.2	-187.7	-7.3%
18.5%	2479.1	2338.9	-140.3	-5.7%
19.8%	2337.8	2269.7	-68.1	-2.9%
21.0%	2278.2	2252.1	-26.1	-1.1%
22.2%	2268.1	2246.9	-21.2	-0.9%
23.5%	2233.8	2106.9	-126.9	-5.7%
24.7%	2183.8	2094.3	-89.5	-4.1%
25.9%	2153.1	2092.1	-61.0	-2.8%
27.2%	2083.5	2020.8	-62.8	-3.0%
28.4%	2069.5	1990.9	-78.6	-3.8%
29.6%	1949.9	1869.8	-80.1	-4.1%
30.9%	1901.5	1824.0	-77.4	-4.1%
32.1%	1734.2	1676.2	-58.0	-3.3%
33.3%	1635.8	1644.4	8.6	0.5%
34.6%	1616.2	1614.8	-1.4	-0.1%
35.8%	1497.7	1522.6	24.9	1.7%
37.0%	1466.6	1454.4	-12.2	-0.8%
38.3%	1427.1	1443.7	16.7	1.2%
39.5%	1350.9	1391.4	40.5	3.0%
40.7%	1338.1	1350.8	12.8	1.0%
42.0%	1192.7	1324.3	131.6	11.0%
43.2%	1175.2	1320.1	144.9	12.3%
44.4%	1088.7	1207.9	119.3	11.0%
45.7%	1065.0	1186.5	121.5	11.4%
46.9%	1039.3	1098.2	58.9	5.7%
48.1%	928.4	961.5	33.2	3.6%
49.4%	907.9	921.8	13.8	1.5%
50.6%	905.4	880.9	-24.4	-2.7%
51.9%	881.2	871.9	-9.3	-1.1%
53.1%	872.6	848.1	-24.5	-2.8%
54.3%	843.1	834.4	-8.7	-1.0%
55.6%	824.3	833.1	8.8	1.1%
56.8%	771.3	760.5	-10.8	-1.4%
58.0%	757.6	758.7	1.1	0.1%
59.3%	741.8	719.8	-22.0	-3.0%
60.5%	709.6	714.8	5.2	0.7%
61.7%	702.5	697.6	-4.9	-0.7%
63.0%	681.0	675.3	-5.8	-0.8%
64.2%	672.1	674.2	2.2	0.3%
65.4%	645.2	668.0	22.8	3.5%
66.7%	603.5	621.2	17.7	2.9%
67.9%	557.8	568.6	10.9	1.9%
69.1%	521.6	534.3	12.7	2.4%
70.4%	521.6	521.4	-0.2	0.0%
71.6%	483.7	484.9	1.3	0.3%
72.8%	462.6	461.6	-1.0	-0.2%
74.1%	428.8	433.0	4.3	1.0%
75.3%	408.8	418.0	9.2	2.2%
76.5%	403.5	414.2	10.7	2.7%
77.8%	281.2	316.0	34.8	12.4%
79.0%	264.9	275.1	10.2	3.9%
80.2%	240.9	273.5	32.6	13.5%
81.5%	238.8	240.9	2.2	0.9%
82.7%	227.5	229.2	1.8	0.8%
84.0%	222.0	228.5	6.5	2.9%
85.2%	216.6	222.6	6.0	2.8%
86.4%	212.5	217.0	4.6	2.1%
87.7%	209.5	209.8	0.3	0.1%
88.9%	207.9	209.7	1.8	0.8%
90.1%	198.9	199.5	0.6	0.3%
91.4%	196.8	197.5	0.7	0.4%
92.6%	195.1	194.9	-0.2	-0.1%
93.8%	192.4	192.4	0.0	0.0%
95.1%	191.1	191.3	0.1	0.1%
96.3%	183.8	183.8	0.0	0.0%
97.5%	182.0	182.1	0.1	0.1%
98.8%	182.0	182.1	0.1	0.1%
100.0%	179.5	179.7	0.2	0.1%

Table SQ-22-b

Sacramento River at Collinsville, Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	8534.9	8519.7	-15.1	-0.2%
1.2%	8098.8	7809.2	-289.6	-3.6%
2.5%	7940.0	7045.6	-894.4	-11.3%
3.7%	7235.0	6646.9	-588.1	-8.1%
4.9%	4413.2	4414.7	1.5	0.0%
6.2%	4238.7	4353.1	114.4	2.7%
7.4%	4237.0	4242.0	5.0	0.1%
8.6%	4195.0	4077.8	-117.2	-2.8%
9.9%	4147.6	3830.6	-317.0	-7.6%
11.1%	4125.3	3817.0	-308.3	-7.5%
12.3%	4059.2	3779.6	-279.6	-6.9%
13.6%	3944.4	3764.1	-180.4	-4.6%
14.8%	3866.2	3758.0	-108.2	-2.8%
16.0%	3837.2	3574.5	-262.7	-6.8%
17.3%	3825.7	3520.1	-305.6	-8.0%
18.5%	3820.5	3518.0	-302.5	-7.9%
19.8%	3789.0	3503.4	-285.6	-7.5%
21.0%	3630.6	3417.9	-212.6	-5.9%
22.2%	3563.4	3408.4	-155.0	-4.4%
23.5%	3511.3	3405.9	-105.4	-3.0%
24.7%	3507.8	3400.9	-106.9	-3.0%
25.9%	3487.9	3373.4	-114.5	-3.3%
27.2%	3433.3	3321.9	-111.4	-3.2%
28.4%	3427.8	3279.6	-148.2	-4.3%
29.6%	3427.4	3275.6	-151.8	-4.4%
30.9%	3375.0	3271.7	-103.3	-3.1%
32.1%	3372.7	3271.6	-101.1	-3.0%
33.3%	3327.1	3256.5	-70.6	-2.1%
34.6%	3314.6	3166.8	-147.8	-4.5%
35.8%	3293.1	3143.0	-150.1	-4.6%
37.0%	3258.3	3105.8	-152.5	-4.7%
38.3%	3254.1	3081.3	-172.8	-5.3%
39.5%	3166.0	3021.2	-144.8	-4.6%
40.7%	3157.9	2994.2	-163.7	-5.2%
42.0%	3078.2	2949.5	-128.8	-4.2%
43.2%	3021.9	2925.3	-96.7	-3.2%
44.4%	2974.5	2863.3	-111.2	-3.7%
45.7%	2892.5	2862.3	-30.2	-1.0%
46.9%	2882.2	2837.2	-45.0	-1.6%
48.1%	2853.7	2832.0	-21.7	-0.8%
49.4%	2841.0	2826.3	-14.7	-0.5%
50.6%	2839.4	2817.7	-21.8	-0.8%
51.9%	2765.2	2764.4	-0.7	0.0%
53.1%	2735.5	2669.6	-65.9	-2.4%
54.3%	2723.0	2639.4	-83.7	-3.1%
55.6%	2713.8	2609.0	-104.8	-3.9%
56.8%	2687.8	2580.5	-107.3	-4.0%
58.0%	2662.6	2560.9	-101.8	-3.8%
59.3%	2647.1	2554.4	-92.8	-3.5%
60.5%	2572.5	2541.7	-30.8	-1.2%
61.7%	2544.0	2528.0	-15.9	-0.6%
63.0%	2528.0	2525.0	-3.0	-0.1%
64.2%	2510.2	2460.7	-49.6	-2.0%
65.4%	2505.3	2421.1	-84.2	-3.4%
66.7%	2472.0	2419.9	-52.1	-2.1%
67.9%	2410.6	2368.3	-42.4	-1.8%
69.1%	2314.7	2336.8	22.1	1.0%
70.4%	2222.7	2240.0	17.2	0.8%
71.6%	2220.7	2216.3	-4.4	-0.2%
72.8%	2146.7	2198.2	51.5	2.4%
74.1%	2029.6	2021.8	-7.8	-0.4%
75.3%	1954.0	1939.9	-14.1	-0.7%
76.5%	1814.2	1726.1	-88.1	-4.9%
77.8%	1684.9	1660.8	-24.0	-1.4%
79.0%	1643.0	1559.5	-83.5	-5.1%
80.2%	1636.5	1498.6	-137.9	-8.4%
81.5%	1549.9	1491.9	-58.0	-3.7%
82.7%	1503.2	1484.0	-19.2	-1.3%
84.0%	1490.2	1403.0	-87.1	-5.8%
85.2%	1464.7	1220.8	-244.0	-16.7%
86.4%	1255.9	1150.5	-105.4	-8.4%
87.7%	1229.2	1103.2	-126.0	-10.2%
88.9%	1102.9	1051.4	-51.5	-4.7%
90.1%	1089.3	1051.2	-38.1	-3.5%
91.4%	691.8	976.9	285.1	41.2%
92.6%	627.8	577.8	-50.0	-8.0%
93.8%	576.9	571.3	-5.6	-1.0%
95.1%	450.6	428.9	-21.6	-4.8%
96.3%	433.8	402.9	-30.9	-7.1%
97.5%	383.6	367.5	-16.1	-4.2%
98.8%	214.0	202.6	-11.4	-5.3%
100.0%	189.9	189.4	-0.5	-0.3%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	9063.6	9146.1	82.5	0.9%
1.2%	8869.1	8477.8	-391.3	-4.4%
2.5%	8691.5	8100.7	-590.8	-6.8%
3.7%	8149.3	6969.0	-1180.4	-14.5%
4.9%	6216.2	6177.7	-38.5	-0.6%
6.2%	6189.1	6147.0	-42.1	-0.7%
7.4%	6179.6	6078.8	-100.8	-1.6%
8.6%	6116.3	5691.5	-424.9	-6.9%
9.9%	6040.4	5554.8	-485.5	-8.0%
11.1%	6037.8	5405.7	-632.1	-10.5%
12.3%	5859.6	5257.7	-601.8	-10.3%
13.6%	5548.7	5110.9	-437.7	-7.9%
14.8%	5480.6	5077.9	-402.7	-7.3%
16.0%	5442.9	4951.5	-491.4	-9.0%
17.3%	5100.3	4795.1	-305.3	-6.0%
18.5%	5098.7	4779.7	-319.0	-6.3%
19.8%	4985.8	4773.3	-212.6	-4.3%
21.0%	4820.2	4682.6	-137.6	-2.9%
22.2%	4803.8	4679.8	-124.1	-2.6%
23.5%	4782.5	4669.0	-113.4	-2.4%
24.7%	4774.4	4655.2	-119.2	-2.5%
25.9%	4649.3	4607.7	-41.5	-0.9%
27.2%	4622.9	4601.1	-21.8	-0.5%
28.4%	4562.9	4473.4	-89.5	-2.0%
29.6%	4544.8	4336.7	-208.1	-4.6%
30.9%	4481.0	4237.2	-243.8	-5.4%
32.1%	4288.6	4217.8	-70.9	-1.7%
33.3%	4258.1	4075.7	-182.4	-4.3%
34.6%	3430.0	3412.8	-17.2	-0.5%
35.8%	3303.3	3239.4	-63.9	-1.9%
37.0%	3200.2	3181.5	-18.7	-0.6%
38.3%	3146.3	3146.5	0.2	0.0%
39.5%	3123.5	3076.7	-46.9	-1.5%
40.7%	3086.8	3070.6	-16.2	-0.5%
42.0%	3071.9	3040.1	-31.9	-1.0%
43.2%	3059.0	3005.6	-53.3	-1.7%
44.4%	3025.7	3003.6	-22.1	-0.7%
45.7%	2979.8	2930.2	-49.6	-1.7%
46.9%	2959.6	2927.8	-31.9	-1.1%
48.1%	2953.0	2919.7	-33.3	-1.1%
49.4%	2827.2	2896.8	69.7	2.5%
50.6%	2803.2	2817.4	14.2	0.5%
51.9%	2705.8	2636.8	-69.0	-2.6%
53.1%	2677.1	2636.4	-40.7	-1.5%
54.3%	2628.7	2633.4	4.7	0.2%
55.6%	2553.1	2613.4	60.3	2.4%
56.8%	2514.0	2510.1	-3.8	-0.2%
58.0%	2469.9	2474.7	4.8	0.2%
59.3%	2373.6	2439.4	65.8	2.8%
60.5%	2352.5	2275.6	-76.9	-3.3%
61.7%	2314.6	2247.5	-67.0	-2.9%
63.0%	2253.1	2239.0	-14.1	-0.6%
64.2%	2243.0	2237.3	-5.7	-0.3%
65.4%	2220.2	2206.3	-13.9	-0.6%
66.7%	2202.4	2159.3	-43.1	-2.0%
67.9%	2160.4	2120.2	-40.2	-1.9%
69.1%	2092.2	2076.8	-15.4	-0.7%
70.4%	2090.2	2072.4	-17.8	-0.9%
71.6%	2088.0	2071.0	-17.0	-0.8%
72.8%	2066.8	2066.5	-0.2	0.0%
74.1%	2031.0	2034.0	3.0	0.1%
75.3%	2030.4	1990.9	-39.4	-1.9%
76.5%	2029.6	1969.5	-60.1	-3.0%
77.8%	2016.5	1961.8	-54.7	-2.7%
79.0%	1950.6	1938.7	-11.9	-0.6%
80.2%	1916.1	1926.8	10.7	0.6%
81.5%	1909.9	1916.5	6.6	0.3%
82.7%	1906.6	1900.1	-6.5	-0.3%
84.0%	1889.9	1863.3	-26.6	-1.4%
85.2%	1867.3	1838.9	-28.4	-1.5%
86.4%	1799.1	1838.5	39.4	2.2%
87.7%	1779.5	1793.2	13.7	0.8%
88.9%	1774.4	1772.3	-2.0	-0.1%
90.1%	1718.1	1646.5	-71.6	-4.2%
91.4%	1669.3	1609.8	-59.5	-3.6%
92.6%	1642.6	1545.8	-96.8	-5.9%
93.8%	1594.7	1541.7	-53.0	-3.3%
95.1%	1525.6	1533.5	7.8	0.5%
96.3%	1517.5	1478.5	-39.0	-2.6%
97.5%	1504.0	1370.3	-133.7	-8.9%
98.8%	1275.4	1339.0	63.5	5.0%
100.0%	1,245.5	1,238.0	-7.5	-0.6%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	9271.0	9494.2	223.2	2.4%
1.2%	9122.1	8833.8	-288.3	-3.2%
2.5%	8834.9	8682.8	-152.1	-1.7%
3.7%	8697.0	8295.8	-401.2	-4.6%
4.9%	8417.1	8258.5	-158.5	-1.9%
6.2%	8271.5	8193.5	-78.0	-0.9%
7.4%	8259.5	8164.7	-94.7	-1.1%
8.6%	8255.4	7809.5	-445.9	-5.4%
9.9%	8224.8	7776.9	-447.9	-5.4%
11.1%	8065.1	7590.8	-474.3	-5.9%
12.3%	8010.8	7403.7	-607.1	-7.6%
13.6%	7498.1	7185.0	-313.2	-4.2%
14.8%	7317.6	7012.5	-305.0	-4.2%
16.0%	7291.8	6892.6	-399.2	-5.5%
17.3%	7285.7	6879.0	-406.7	-5.6%
18.5%	7250.8	6808.3	-442.5	-6.1%
19.8%	7231.3	6782.0	-449.4	-6.2%
21.0%	7159.6	6759.9	-399.7	-5.6%
22.2%	7077.9	6570.6	-507.3	-7.2%
23.5%	6980.2	6456.8	-523.4	-7.5%
24.7%	6951.5	6404.5	-547.1	-7.9%
25.9%	6761.0	6352.5	-408.5	-6.0%
27.2%	6603.6	6306.4	-297.3	-4.5%
28.4%	6472.4	6296.7	-175.7	-2.7%
29.6%	6449.6	6082.5	-367.1	-5.7%
30.9%	6266.7	5914.1	-352.6	-5.6%
32.1%	5840.5	5715.7	-124.8	-2.1%
33.3%	5715.2	5706.3	-9.0	-0.2%
34.6%	5623.1	5230.1	-393.0	-7.0%
35.8%	5563.3	5125.7	-437.6	-7.9%
37.0%	5167.2	5037.7	-129.5	-2.5%
38.3%	5103.7	5035.3	-68.4	-1.3%
39.5%	5018.4	5008.1	-10.2	-0.2%
40.7%	4995.7	4983.9	-11.8	-0.2%
42.0%	4958.1	4958.1	0.0	0.0%
43.2%	4954.7	4939.9	-14.8	-0.3%
44.4%	4947.1	4886.4	-60.7	-1.2%
45.7%	4928.9	4847.1	-81.8	-1.7%
46.9%	4919.5	4835.5	-84.0	-1.7%
48.1%	4918.8	4835.2	-83.5	-1.7%
49.4%	4913.1	4810.9	-102.2	-2.1%
50.6%	4904.6	4778.7	-125.9	-2.6%
51.9%	4895.3	4773.4	-121.9	-2.5%
53.1%	4887.0	4750.8	-136.1	-2.8%
54.3%	4860.2	4739.8	-120.4	-2.5%
55.6%	4825.8	4692.9	-132.9	-2.8%
56.8%	4824.8	4675.9	-148.9	-3.1%
58.0%	4809.6	4667.4	-142.2	-3.0%
59.3%	4793.5	4667.3	-126.2	-2.6%
60.5%	4780.4	4620.6	-159.9	-3.3%
61.7%	4760.1	4612.3	-147.8	-3.1%
63.0%	4755.4	4601.7	-153.7	-3.2%
64.2%	4715.8	4576.8	-139.0	-2.9%
65.4%	4569.8	4459.6	-110.2	-2.4%
66.7%	4516.1	4437.7	-78.3	-1.7%
67.9%	4436.4	4427.0	-9.4	-0.2%
69.1%	4399.0	4371.7	-27.3	-0.6%
70.4%	4364.8	4353.6	-11.2	-0.3%
71.6%	4322.9	4302.9	-20.0	-0.5%
72.8%	4256.6	4279.7	23.1	0.5%
74.1%	4247.1	4275.2	28.1	0.7%
75.3%	4241.2	4197.8	-43.4	-1.0%
76.5%	4214.7	4179.2	-35.5	-0.8%
77.8%	4209.9	4136.9	-73.0	-1.7%
79.0%	4131.3	4105.0	-26.3	-0.6%
80.2%	4065.3	4067.4	2.0	0.0%
81.5%	4048.6	4061.5	12.9	0.3%
82.7%	4007.7	3932.6	-75.1	-1.9%
84.0%	3985.6	3915.5	-70.1	-1.8%
85.2%	3966.0	3896.4	-69.6	-1.8%
86.4%	3933.3	3814.4	-118.9	-3.0%
87.7%	3927.8	3756.3	-171.5	-4.4%
88.9%	3902.1	3747.5	-154.6	-4.0%
90.1%	3875.8	3713.2	-162.6	-4.2%
91.4%	3847.3	3659.6	-187.7	-4.9%
92.6%	3836.0	3652.2	-183.8	-4.8%
93.8%	3745.3	3649.5	-95.9	-2.6%
95.1%	3716.1	3591.9	-124.2	-3.3%
96.3%	3648.2	3490.7	-157.5	-4.3%
97.5%	3579.4	3353.2	-226.2	-6.3%
98.8%	3522.9	3334.7	-188.2	-5.3%
100.0%	3,323.2	3,081.7	-241.6	-7.3%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	10233.1	10194.3	-38.8	-0.4%
1.2%	10055.6	9772.9	-282.6	-2.8%
2.5%	9844.3	9767.0	-77.2	-0.8%
3.7%	9824.1	9675.3	-148.8	-1.5%
4.9%	9800.1	9625.2	-174.9	-1.8%
6.2%	9752.7	9592.6	-160.1	-1.6%
7.4%	9720.6	9458.5	-262.1	-2.7%
8.6%	9703.0	9329.2	-373.8	-3.9%
9.9%	9687.1	9242.3	-444.9	-4.6%
11.1%	9686.2	8879.7	-806.5	-8.3%
12.3%	9463.5	8852.9	-610.6	-6.5%
13.6%	9353.5	8845.5	-508.1	-5.4%
14.8%	9192.7	8783.4	-409.4	-4.5%
16.0%	9141.6	8518.5	-623.1	-6.8%
17.3%	9104.4	8490.6	-613.7	-6.7%
18.5%	9078.1	8274.8	-803.3	-8.8%
19.8%	9034.8	8158.8	-876.1	-9.7%
21.0%	8975.5	8155.7	-819.8	-9.1%
22.2%	8897.2	8019.0	-878.2	-9.9%
23.5%	8865.8	7803.4	-1062.5	-12.0%
24.7%	8859.2	7699.2	-1160.0	-13.1%
25.9%	8654.7	7692.7	-962.0	-11.1%
27.2%	8550.1	7633.8	-916.3	-10.7%
28.4%	8396.1	7569.8	-826.3	-9.8%
29.6%	8312.7	7567.4	-745.2	-9.0%
30.9%	8286.5	7510.1	-776.4	-9.4%
32.1%	8233.9	7483.8	-750.1	-9.1%
33.3%	8181.9	7391.0	-790.9	-9.7%
34.6%	8139.6	7374.5	-765.2	-9.4%
35.8%	7860.5	7360.7	-499.8	-6.4%
37.0%	7854.6	7355.8	-498.8	-6.4%
38.3%	7809.4	7288.7	-520.7	-6.7%
39.5%	7754.2	6982.8	-771.4	-9.9%
40.7%	7700.6	6929.6	-771.0	-10.0%
42.0%	7664.3	6896.3	-767.9	-10.0%
43.2%	7479.7	6783.0	-696.8	-9.3%
44.4%	7402.0	6750.1	-651.9	-8.8%
45.7%	7335.6	6691.2	-644.4	-8.8%
46.9%	7329.0	6632.5	-696.5	-9.5%
48.1%	7282.0	6594.6	-687.4	-9.4%
49.4%	7063.8	6525.4	-538.4	-7.6%
50.6%	7009.2	6418.7	-590.5	-8.4%
51.9%	6977.5	6198.0	-779.4	-11.2%
53.1%	6874.9	6104.0	-770.9	-11.2%
54.3%	6682.9	5789.0	-894.0	-13.4%
55.6%	3481.0	3262.5	-218.5	-6.3%
56.8%	3293.1	3121.0	-172.2	-5.2%
58.0%	3285.6	3047.1	-238.5	-7.3%
59.3%	3280.0	3030.9	-249.1	-7.6%
60.5%	3233.1	3008.8	-224.3	-6.9%
61.7%	3143.0	2936.4	-206.6	-6.6%
63.0%	3056.3	2928.7	-127.6	-4.2%
64.2%	3053.6	2890.2	-163.4	-5.4%
65.4%	3025.4	2884.5	-141.0	-4.7%
66.7%	3018.4	2865.9	-152.5	-5.1%
67.9%	3005.2	2798.0	-207.2	-6.9%
69.1%	2890.2	2681.3	-208.9	-7.2%
70.4%	1609.9	1558.8	-51.1	-3.2%
71.6%	1595.7	1551.8	-43.8	-2.7%
72.8%	1589.0	1534.2	-54.9	-3.5%
74.1%	1575.1	1533.2	-42.0	-2.7%
75.3%	1526.4	1529.6	3.2	0.2%
76.5%	1525.9	1491.9	-34.0	-2.2%
77.8%	1517.0	1484.3	-32.8	-2.2%
79.0%	1509.9	1448.8	-61.1	-4.0%
80.2%	1503.8	1416.5	-87.3	-5.8%
81.5%	1439.7	1410.5	-29.2	-2.0%
82.7%	1429.4	1407.5	-22.0	-1.5%
84.0%	1403.3	1394.6	-8.8	-0.6%
85.2%	1400.8	1368.1	-32.7	-2.3%
86.4%	1396.5	1368.1	-28.4	-2.0%
87.7%	1391.4	1337.8	-53.6	-3.9%
88.9%	1389.2	1331.6	-57.6	-4.1%
90.1%	1381.6	1328.4	-53.2	-3.9%
91.4%	1355.3	1304.9	-50.4	-3.7%
92.6%	1353.1	1294.5	-58.6	-4.3%
93.8%	1335.6	1281.1	-54.4	-4.1%
95.1%	1332.0	1277.0	-55.0	-4.1%
96.3%	1312.7	1259.0	-53.6	-4.1%
97.5%	1304.7	1249.9	-54.8	-4.2%
98.8%	1274.1	1238.1	-36.0	-2.8%
100.0%	1,223.5	1,227.3	3.8	0.3%

Figure SQ-23-b
Sacramento River at Mallard Slough (Chipps Island)), Monthly EC
Probability of Exceedance

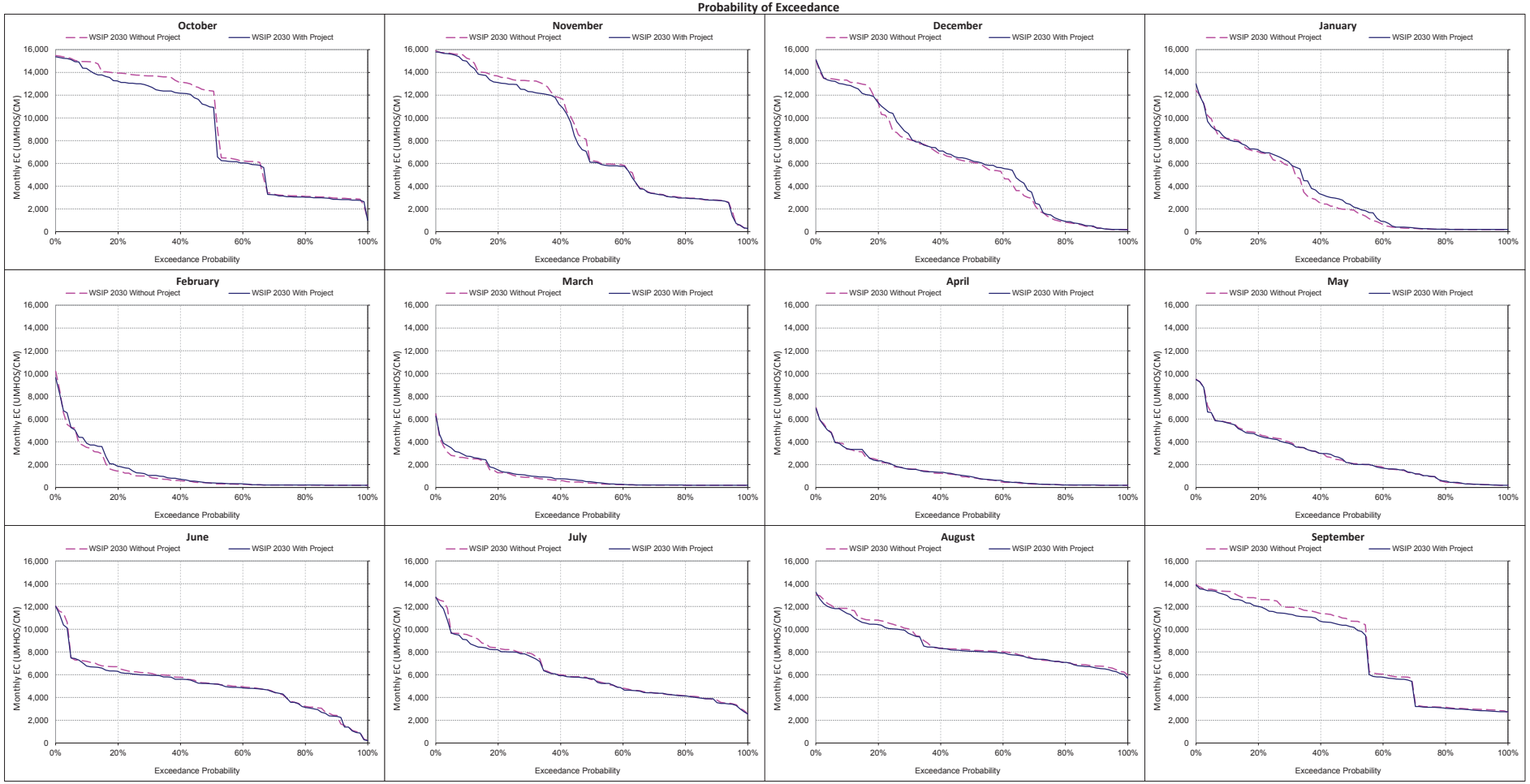


Table SQ-23-b

Sacramento River at Mallard Slough (Chipps Island)), Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	15477.7	15376.0	-101.7	-0.7%
1.2%	15433.0	15300.3	-132.8	-0.9%
2.5%	15367.4	15245.0	-122.3	-0.8%
3.7%	15328.6	15207.3	-121.3	-0.8%
4.9%	15219.2	15127.1	-92.1	-0.6%
6.2%	15055.7	14931.8	-123.9	-0.8%
7.4%	14975.3	14922.5	-52.9	-0.4%
8.6%	14958.3	14383.0	-575.3	-3.8%
9.9%	14948.7	14343.2	-605.6	-4.1%
11.1%	14928.7	14120.5	-808.2	-5.4%
12.3%	14897.8	13906.4	-991.5	-6.7%
13.6%	14743.1	13776.0	-967.2	-6.6%
14.8%	14059.8	13772.9	-287.0	-2.0%
16.0%	14055.4	13640.8	-414.6	-3.0%
17.3%	14014.3	13550.5	-463.8	-3.3%
18.5%	13959.1	13275.2	-683.9	-4.9%
19.8%	13943.3	13250.6	-692.7	-5.0%
21.0%	13939.1	13125.4	-813.7	-5.8%
22.2%	13898.1	13112.8	-785.3	-5.7%
23.5%	13839.6	13050.0	-789.6	-5.7%
24.7%	13794.2	13043.5	-750.7	-5.4%
25.9%	13765.1	13013.3	-751.8	-5.5%
27.2%	13755.3	12993.0	-762.3	-5.5%
28.4%	13705.5	12936.2	-769.3	-5.6%
29.6%	13695.6	12819.6	-875.9	-6.4%
30.9%	13691.6	12691.1	-1000.5	-7.3%
32.1%	13684.9	12467.1	-1217.8	-8.9%
33.3%	13636.3	12419.7	-1216.6	-8.9%
34.6%	13604.8	12371.9	-1233.0	-9.1%
35.8%	13602.8	12366.2	-1236.7	-9.1%
37.0%	13557.5	12358.1	-1199.4	-8.8%
38.3%	13308.8	12232.2	-1076.6	-8.1%
39.5%	13146.7	12170.5	-976.2	-7.4%
40.7%	13126.6	12166.0	-960.5	-7.3%
42.0%	13073.0	12146.0	-927.0	-7.1%
43.2%	12990.8	12067.3	-923.5	-7.1%
44.4%	12771.8	11772.1	-999.6	-7.8%
45.7%	12689.1	11635.7	-1053.4	-8.3%
46.9%	12513.6	11219.9	-1293.7	-10.3%
48.1%	12441.2	11128.7	-1312.5	-10.5%
49.4%	12394.9	10981.8	-1413.1	-11.4%
50.6%	12347.8	10927.6	-1420.2	-11.5%
51.9%	9010.2	6562.1	-2448.1	-27.2%
53.1%	6492.1	6247.1	-245.0	-3.8%
54.3%	6477.0	6223.0	-254.0	-3.9%
55.6%	6475.1	6173.8	-301.3	-4.7%
56.8%	6408.9	6146.4	-262.5	-4.1%
58.0%	6338.6	6145.8	-192.8	-3.0%
59.3%	6226.5	6049.3	-177.2	-2.8%
60.5%	6209.6	6041.3	-168.3	-2.7%
61.7%	6171.1	5998.0	-173.2	-2.8%
63.0%	6167.8	5912.2	-255.6	-4.1%
64.2%	6166.1	5884.0	-282.1	-4.6%
65.4%	6083.7	5835.5	-248.2	-4.1%
66.7%	4690.0	5620.8	930.8	19.8%
67.9%	3417.2	3271.0	-146.1	-4.3%
69.1%	3383.1	3254.7	-128.4	-3.8%
70.4%	3264.6	3226.7	-38.0	-1.2%
71.6%	3225.2	3147.2	-78.0	-2.4%
72.8%	3196.0	3136.3	-59.7	-1.9%
74.1%	3194.1	3082.5	-111.6	-3.5%
75.3%	3150.1	3061.0	-89.1	-2.8%
76.5%	3148.5	3054.7	-93.7	-3.0%
77.8%	3140.8	3052.3	-88.5	-2.8%
79.0%	3123.7	3040.3	-83.4	-2.7%
80.2%	3092.0	3015.4	-76.6	-2.5%
81.5%	3086.9	3014.5	-72.4	-2.3%
82.7%	3082.0	2990.7	-91.3	-3.0%
84.0%	3054.7	2977.5	-77.2	-2.5%
85.2%	3049.2	2977.0	-72.2	-2.4%
86.4%	3046.2	2946.3	-99.9	-3.3%
87.7%	3011.2	2938.7	-72.5	-2.4%
88.9%	2961.2	2852.3	-108.9	-3.7%
90.1%	2948.7	2848.7	-100.0	-3.4%
91.4%	2938.4	2827.2	-111.1	-3.8%
92.6%	2932.2	2826.8	-105.5	-3.6%
93.8%	2901.1	2815.0	-86.1	-3.0%
95.1%	2895.7	2777.1	-118.6	-4.1%
96.3%	2894.2	2773.5	-120.7	-4.2%
97.5%	2853.6	2748.5	-105.1	-3.7%
98.8%	2346.6	2631.2	284.6	12.1%
100.0%	1,063.4	991.5	-71.9	-6.8%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	15904.5	15797.4	-107.1	-0.7%
1.2%	15744.4	15786.2	41.9	0.3%
2.5%	15736.7	15682.7	-54.0	-0.3%
3.7%	15730.7	15647.7	-83.0	-0.5%
4.9%	15658.2	15612.7	-45.4	-0.3%
6.2%	15603.3	15506.1	-97.2	-0.6%
7.4%	15579.2	15377.1	-202.1	-1.3%
8.6%	15546.6	15061.2	-485.4	-3.1%
9.9%	15249.5	14978.8	-270.6	-1.8%
11.1%	15140.3	14584.8	-555.5	-3.7%
12.3%	14805.3	14317.3	-488.0	-3.3%
13.6%	14069.8	13854.3	-215.5	-1.5%
14.8%	14016.2	13771.1	-245.1	-1.7%
16.0%	13974.7	13739.5	-235.3	-1.7%
17.3%	13847.9	13350.7	-497.2	-3.6%
18.5%	13725.8	13160.4	-565.4	-4.1%
19.8%	13688.6	13119.4	-569.2	-4.2%
21.0%	13561.0	13057.8	-503.2	-3.7%
22.2%	13547.8	13023.5	-524.3	-3.9%
23.5%	13472.9	12963.1	-509.9	-3.8%
24.7%	13357.5	12951.2	-406.4	-3.0%
25.9%	13299.9	12944.3	-355.6	-2.7%
27.2%	13293.8	12524.9	-768.9	-5.8%
28.4%	13293.4	12504.7	-788.7	-5.9%
29.6%	13261.2	12325.5	-935.7	-7.1%
30.9%	13252.1	12302.3	-949.8	-7.2%
32.1%	13239.0	12211.1	-1027.8	-7.8%
33.3%	13108.4	12151.9	-956.5	-7.3%
34.6%	12962.0	12113.4	-848.6	-6.5%
35.8%	12717.9	12046.7	-671.1	-5.3%
37.0%	12237.9	11966.7	-271.2	-2.2%
38.3%	11891.2	11788.5	-102.6	-0.9%
39.5%	11780.2	11189.8	-590.4	-5.0%
40.7%	11638.4	10860.9	-777.6	-6.7%
42.0%	10543.8	10321.3	-222.5	-2.1%
43.2%	10116.2	9590.4	-525.8	-5.2%
44.4%	9433.1	8446.1	-987.0	-10.5%
45.7%	8521.6	7658.3	-863.3	-10.1%
46.9%	8271.9	7207.1	-1064.8	-12.9%
48.1%	8125.3	7057.1	-1068.1	-13.1%
49.4%	6243.9	6111.6	-132.3	-2.1%
50.6%	6224.3	6093.2	-131.1	-2.1%
51.9%	6156.0	6054.4	-101.6	-1.7%
53.1%	5972.4	5903.0	-69.4	-1.2%
54.3%	5957.7	5844.5	-113.2	-1.9%
55.6%	5956.3	5798.6	-157.7	-2.6%
56.8%	5926.0	5795.5	-130.5	-2.2%
58.0%	5915.1	5795.0	-120.0	-2.0%
59.3%	5897.1	5739.7	-157.4	-2.7%
60.5%	5814.1	5736.2	-77.8	-1.3%
61.7%	5334.4	5327.3	-7.1	-0.1%
63.0%	5187.3	4746.9	-440.5	-8.5%
64.2%	4216.2	4255.5	39.3	0.9%
65.4%	3816.7	3762.0	-54.7	-1.4%
66.7%	3796.7	3738.6	-58.1	-1.5%
67.9%	3511.2	3455.0	-56.3	-1.6%
69.1%	3374.5	3371.1	-3.4	-0.1%
70.4%	3372.1	3329.6	-42.4	-1.3%
71.6%	3300.7	3261.1	-39.7	-1.2%
72.8%	3259.5	3234.9	-24.6	-0.8%
74.1%	3108.9	3102.8	-6.0	-0.2%
75.3%	3097.8	3053.3	-44.5	-1.4%
76.5%	3079.1	3051.1	-28.0	-0.9%
77.8%	3032.0	2959.3	-72.7	-2.4%
79.0%	2993.5	2955.9	-37.6	-1.3%
80.2%	2953.3	2953.6	0.3	0.0%
81.5%	2946.8	2918.7	-28.1	-1.0%
82.7%	2941.8	2918.3	-23.4	-0.8%
84.0%	2919.2	2891.7	-27.6	-0.9%
85.2%	2832.4	2888.8	56.3	2.0%
86.4%	2817.2	2795.1	-22.1	-0.8%
87.7%	2813.9	2781.4	-32.5	-1.2%
88.9%	2783.7	2770.1	-13.6	-0.5%
90.1%	2777.1	2757.7	-19.4	-0.7%
91.4%	2738.6	2720.4	-18.3	-0.7%
92.6%	2720.4	2686.2	-34.2	-1.3%
93.8%	2582.6	2537.4	-45.2	-1.8%
95.1%	1753.3	1377.5	-375.8	-21.4%
96.3%	603.9	728.1	124.1	20.6%
97.5%	579.5	551.9	-27.6	-4.8%
98.8%	337.8	341.4	3.6	
100.0%	238.6	285.1	46.5	

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	15085.2	15102.4	17.2	0.1%
1.2%	14061.6	14276.7	215.1	1.5%
2.5%	13484.1	13513.6	29.5	0.2%
3.7%	13482.6	13334.6	-148.0	-1.1%
4.9%	13439.0	13256.6	-182.4	-1.4%
6.2%	13400.6	13218.7	-181.9	-1.4%
7.4%	13333.9	13027.2	-306.8	-2.3%
8.6%	13325.7	12976.7	-349.0	-2.6%
9.9%	13324.0	12891.9	-432.0	-3.2%
11.1%	13123.2	12851.1	-272.0	-2.1%
12.3%	13115.2	12674.8	-440.4	-3.4%
13.6%	13054.7	12555.3	-499.4	-3.8%
14.8%	12971.3	12161.9	-809.4	-6.2%
16.0%	12915.6	12046.2	-869.4	-6.7%
17.3%	12614.1	11987.6	-626.4	-5.0%
18.5%	11955.7	11887.9	-67.8	-0.6%
19.8%	11569.0	11409.8	-159.2	-1.4%
21.0%	10320.4	11033.4	713.0	6.9%
22.2%	10241.9	10760.1	518.1	5.1%
23.5%	9794.1	10493.5	699.4	7.1%
24.7%	8817.5	10397.7	1580.2	17.9%
25.9%	8713.9	9664.6	950.8	10.9%
27.2%	8373.9	9249.1	875.2	10.5%
28.4%	8238.6	8853.2	614.6	7.5%
29.6%	8138.0	8626.5	488.5	6.0%
30.9%	8019.9	8041.1	21.2	0.3%
32.1%	8000.8	7887.2	-113.6	-1.4%
33.3%	7721.7	7871.1	149.4	1.9%
34.6%	7686.4	7622.0	-64.4	-0.8%
35.8%	7516.6	7522.3	5.7	0.1%
37.0%	7317.7	7411.2	93.5	1.3%
38.3%	7084.5	7381.5	297.0	4.2%
39.5%	6864.9	7097.0	232.1	3.4%
40.7%	6821.8	7080.4	258.7	3.8%
42.0%	6636.5	6852.2	215.7	3.3%
43.2%	6569.5	6798.3	228.9	3.5%
44.4%	6468.2	6598.1	129.9	2.0%
45.7%	6331.7	6490.1	158.4	2.5%
46.9%	6253.6	6484.8	231.1	3.7%
48.1%	6177.1	6427.1	250.0	4.0%
49.4%	6156.2	6310.2	154.0	2.5%
50.6%	6056.0	6172.5	116.5	1.9%
51.9%	6016.9	6132.2	115.3	1.9%
53.1%	5880.1	6029.6	149.5	2.5%
54.3%	5641.1	5875.5	234.3	4.2%
55.6%	5434.1	5832.0	397.9	7.3%
56.8%	5388.7	5830.3	441.6	8.2%
58.0%	5360.9	5641.0	280.1	5.2%
59.3%	5298.7	5626.2	327.5	6.2%
60.5%	4646.0	5547.8	901.8	19.4%
61.7%	4628.1	5484.5	856.4	18.5%
63.0%	4165.9	5408.5	1242.7	29.8%
64.2%	3609.4	4733.6	1124.2	31.1%
65.4%	3602.4	4470.3	867.9	24.1%
66.7%	3169.6	4254.2	1084.6	34.2%
67.9%	3013.4	3667.6	654.2	21.7%
69.1%	2935.3	3482.8	547.6	18.7%
70.4%	2235.2	2500.3	265.1	11.9%
71.6%	1791.2	2377.1	585.9	32.7%
72.8%	1661.7	1645.7	-16.0	-1.0%
74.1%	1377.9	1524.2	146.3	10.6%
75.3%	1182.8	1466.1	283.3	24.0%
76.5%	1036.3	1213.4	177.1	17.1%
77.8%	946.6	1087.4	140.8	14.9%
79.0%	853.3	967.6	114.3	13.4%
80.2%	830.1	871.6	41.6	5.0%
81.5%	762.3	870.8	108.4	14.2%
82.7%	720.0	755.5	35.5	4.9%
84.0%	668.3	725.5	57.2	8.6%
85.2%	592.5	658.6	66.1	11.2%
86.4%	475.3	546.0	70.7	14.9%
87.7%	449.0	508.3	59.3	13.2%
88.9%	435.7	490.6	54.9	12.6%
90.1%	353.4	319.3	-34.0	-9.6%
91.4%	296.0	306.2	10.2	
92.6%	240.5	240.3	-0.3	
93.8%	211.6	213.0	1.4	
95.1%	190.0	190.5	0.5	
96.3%	188.4	188.5	0.2	
97.5%	185.3	185.2	-0.1	
98.8%	182.9	182.2	-0.7	
100.0%	181.3	181.6	0.3	

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	12418.4	13010.3	591.9	4.8%
1.2%	12020.2	11926.1	-94.1	-0.8%
2.5%	11262.9	11239.1	-23.8	-0.2%
3.7%	10218.1	9691.6	-526.5	-5.2%
4.9%	9895.8	9251.9	-643.9	-6.5%
6.2%	9002.5	8967.5	-35.0	-0.4%
7.4%	8303.0	8849.4	546.4	6.6%
8.6%	8246.0	8446.1	200.1	2.4%
9.9%	8212.9	8172.5	-40.3	-0.5%
11.1%	8162.4	8021.2	-141.2	-1.7%
12.3%	8099.5	7928.4	-171.1	-2.1%
13.6%	8022.8	7904.5	-118.2	-1.5%
14.8%	7695.8	7698.1	2.3	0.0%
16.0%	7311.2	7578.1	266.9	3.7%
17.3%	7185.9	7279.8	93.9	1.3%
18.5%	7072.1	7276.5	204.5	2.9%
19.8%	7045.0	7223.4	178.4	2.5%
21.0%	6908.9	7015.2	106.4	1.5%
22.2%	6879.3	6934.1	54.8	0.8%
23.5%	6873.4	6925.4	52.0	0.8%
24.7%	6331.0	6802.3	471.2	7.4%
25.9%	6216.6	6659.2	442.6	7.1%
27.2%	6194.1	6516.9	322.8	5.2%
28.4%	5939.4	6340.8	401.5	6.8%
29.6%	5812.2	6156.9	344.7	5.9%
30.9%	5810.7	5789.2	-21.5	-0.4%
32.1%	4821.8	5654.2	832.4	17.3%
33.3%	4658.4	5504.1	845.7	18.2%
34.6%	3469.5	4476.6	1007.2	29.0%
35.8%	3106.5	4457.4	1350.9	43.5%
37.0%	2946.2	3808.7	862.5	29.3%
38.3%	2834.4	3658.0	823.7	29.1%
39.5%	2571.5	3337.6	766.1	29.8%
40.7%	2433.9	3221.8	787.9	32.4%
42.0%	2420.9	3093.8	672.9	27.8%
43.2%	2240.6	3008.2	767.6	34.3%
44.4%	2238.6	2961.8	723.3	32.3%
45.7%	2042.4	2886.6	844.2	41.3%
46.9%	1983.0	2778.2	795.1	40.1%
48.1%	1964.9	2500.2	535.4	27.2%
49.4%	1920.1	2400.9	480.8	25.0%
50.6%	1894.3	2162.1	267.8	14.1%
51.9%	1647.9	2076.3	428.4	26.0%
53.1%	1516.9	1899.6	382.6	25.2%
54.3%	1376.5	1846.5	470.1	34.1%
55.6%	1139.2	1682.6	543.4	47.7%
56.8%	978.4	1649.0	670.6	68.5%
58.0%	877.2	1172.1	294.9	33.6%
59.3%	720.6	923.8	203.1	28.2%
60.5%	524.1	870.1	346.0	66.0%
61.7%	470.1	728.9	258.8	55.0%
63.0%	393.1	489.6	96.4	24.5%
64.2%	381.5	406.3	24.9	6.5%
65.4%	343.5	402.3	58.8	17.1%
66.7%	303.9	389.2	85.3	28.1%
67.9%	303.6	378.6	75.0	24.7%
69.1%	289.4	351.4	62.0	21.4%
70.4%	285.1	311.1	26.0	9.1%
71.6%	252.4	274.9	22.5	8.9%
72.8%	237.4	268.1	30.7	12.9%
74.1%	232.6	252.0	19.4	8.3%
75.3%	221.8	229.4	7.6	3.4%
76.5%	219.0	226.8	7.8	3.6%
77.8%	217.7	220.3	2.6	1.2%
79.0%	213.2	218.4	5.2	2.4%
80.2%	210.9	210.3	-0.6	-0.3%
81.5%	203.0	203.6	0.7	0.3%
82.7%	199.9	201.8	1.9	1.0%
84.0%	199.3	200.1	0.8	0.4%
85.2%	198.9	199.2	0.3	0.1%
86.4%	197.8	198.2	0.4	0.2%
87.7%	196.1	197.7	1.6	0.8%
88.9%	194.2	194.7	0.5	0.3%
90.1%	193.8	194.5	0.7	0.4%
91.4%	193.4	194.3	0.9	0.5%
92.6%	191.8	192.2	0.4	0.2%
93.8%	189.2	191.6	2.4	1.3%
95.1%	189.1	189.8	0.7	0.4%
96.3%	187.6	188.1	0.5	0.3%
97.5%	187.4	187.9	0.5	0.3%
98.8%	186.7	186.9	0.2	0.1%
100.0%	183.9	183.9	0.0	0.0%

Table SQ-23-b

Sacramento River at Mallard Slough (Chipps Island)), Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	10202.6	9629.1	-573.5	-5.6%
1.2%	8635.9	8252.8	-383.1	-4.4%
2.5%	6592.4	6726.8	134.4	2.0%
3.7%	5523.9	6551.6	1027.7	18.6%
4.9%	5275.0	5253.4	-21.5	-0.4%
6.2%	5206.0	5053.9	-152.1	-2.9%
7.4%	3893.3	4417.3	523.9	13.5%
8.6%	3709.5	4393.4	683.9	18.4%
9.9%	3512.8	3888.3	375.4	10.7%
11.1%	3440.5	3727.2	286.7	8.3%
12.3%	3139.7	3721.3	581.6	18.5%
13.6%	3097.3	3600.3	503.0	16.2%
14.8%	2939.5	3585.7	646.1	22.0%
16.0%	2086.2	2721.3	635.0	30.4%
17.3%	1624.3	2073.2	448.9	27.6%
18.5%	1510.8	2048.2	537.4	35.6%
19.8%	1433.6	1878.7	445.2	31.1%
21.0%	1396.5	1804.5	408.0	29.2%
22.2%	1252.2	1720.2	468.0	37.4%
23.5%	1248.7	1660.9	412.1	33.0%
24.7%	1055.5	1442.5	387.0	36.7%
25.9%	1006.4	1279.0	272.6	27.1%
27.2%	1002.4	1265.5	263.1	26.2%
28.4%	997.4	1204.4	207.0	20.8%
29.6%	984.8	1060.3	75.5	7.7%
30.9%	832.4	1051.8	219.5	26.4%
32.1%	793.5	1045.9	252.5	31.8%
33.3%	778.9	979.9	201.0	25.8%
34.6%	709.5	953.5	244.0	34.4%
35.8%	705.3	843.4	138.1	19.6%
37.0%	626.3	806.9	180.7	28.9%
38.3%	611.4	795.8	184.4	30.2%
39.5%	609.0	742.9	133.9	22.0%
40.7%	564.3	678.5	114.2	20.2%
42.0%	547.7	647.6	99.9	18.2%
43.2%	540.2	559.9	19.7	3.7%
44.4%	456.9	555.1	98.3	21.5%
45.7%	427.3	510.3	83.0	19.4%
46.9%	414.5	464.1	49.5	12.0%
48.1%	412.7	413.7	1.0	0.2%
49.4%	392.4	399.0	6.5	1.7%
50.6%	311.1	398.7	87.6	28.1%
51.9%	309.4	376.5	67.1	21.7%
53.1%	309.0	374.0	65.0	21.0%
54.3%	303.1	350.2	47.1	15.5%
55.6%	289.8	332.1	42.3	14.6%
56.8%	287.2	314.0	26.8	9.3%
58.0%	269.4	311.8	42.4	15.7%
59.3%	266.1	311.8	45.7	17.2%
60.5%	264.5	304.6	40.2	15.2%
61.7%	257.8	286.9	29.1	11.3%
63.0%	221.8	228.0	6.2	2.8%
64.2%	215.5	225.9	10.4	4.8%
65.4%	214.8	223.2	8.4	3.9%
66.7%	213.7	218.0	4.3	2.0%
67.9%	211.7	217.4	5.7	2.7%
69.1%	211.0	217.0	6.1	2.9%
70.4%	210.9	211.2	0.3	0.1%
71.6%	209.4	210.1	0.7	0.3%
72.8%	207.8	209.5	1.7	0.8%
74.1%	207.3	208.4	1.0	0.5%
75.3%	205.8	207.2	1.4	0.7%
76.5%	205.7	205.7	0.0	0.0%
77.8%	201.9	203.7	1.7	0.8%
79.0%	201.3	202.3	1.1	0.5%
80.2%	198.6	201.3	2.7	1.3%
81.5%	198.0	198.7	0.7	0.4%
82.7%	197.2	197.7	0.5	0.3%
84.0%	197.0	197.2	0.2	0.1%
85.2%	196.8	196.8	-0.1	0.0%
86.4%	194.2	194.1	-0.1	-0.1%
87.7%	191.8	192.0	0.2	0.1%
88.9%	191.6	192.0	0.4	0.2%
90.1%	191.0	191.8	0.8	0.4%
91.4%	189.6	191.5	1.9	1.0%
92.6%	189.3	190.4	1.1	0.6%
93.8%	189.0	189.5	0.6	0.3%
95.1%	188.7	189.3	0.6	0.3%
96.3%	187.7	188.2	0.5	0.3%
97.5%	187.6	187.0	-0.6	-0.3%
98.8%	186.8	186.8	0.0	0.0%
100.0%	184.8	184.8	0.0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	6467.6	6260.2	-207.5	-3.2%
1.2%	4352.7	4647.2	294.5	6.8%
2.5%	3627.0	3878.3	251.3	6.9%
3.7%	3099.1	3677.7	578.5	18.7%
4.9%	2800.5	3472.3	671.9	24.0%
6.2%	2747.8	3141.7	393.9	14.3%
7.4%	2635.5	3085.4	449.9	17.1%
8.6%	2628.7	2927.6	298.9	11.4%
9.9%	2570.0	2744.4	174.4	6.8%
11.1%	2511.8	2720.9	209.0	8.3%
12.3%	2505.2	2614.2	109.1	4.4%
13.6%	2487.2	2549.3	62.1	2.5%
14.8%	2355.7	2464.4	108.7	4.6%
16.0%	2201.3	2421.9	220.7	10.0%
17.3%	1547.5	1802.6	255.1	16.5%
18.5%	1530.1	1718.8	188.7	12.3%
19.8%	1292.2	1550.4	258.2	20.0%
21.0%	1288.7	1386.1	97.4	7.6%
22.2%	1276.8	1335.4	58.6	4.6%
23.5%	1219.2	1306.3	87.2	7.1%
24.7%	1081.3	1217.3	136.0	12.6%
25.9%	983.7	1143.8	160.1	16.3%
27.2%	918.7	1108.9	190.2	20.7%
28.4%	888.6	1090.0	201.3	22.7%
29.6%	879.5	1029.1	149.7	17.0%
30.9%	860.1	987.3	127.2	14.8%
32.1%	827.4	970.9	143.5	17.3%
33.3%	757.6	923.8	166.2	21.9%
34.6%	731.0	913.9	182.9	25.0%
35.8%	697.1	895.1	197.9	28.4%
37.0%	651.7	861.8	210.1	32.2%
38.3%	627.2	766.2	139.0	22.2%
39.5%	587.8	758.1	170.3	29.0%
40.7%	587.1	750.7	163.6	27.9%
42.0%	501.1	732.4	231.3	46.2%
43.2%	480.1	682.3	202.2	42.1%
44.4%	473.8	674.6	200.7	42.4%
45.7%	469.7	608.6	138.9	29.6%
46.9%	432.4	584.8	152.4	35.3%
48.1%	412.9	502.0	89.2	21.6%
49.4%	368.2	493.4	125.2	34.0%
50.6%	366.1	456.3	90.2	24.6%
51.9%	334.2	402.0	67.8	20.3%
53.1%	298.9	383.3	84.5	28.3%
54.3%	289.3	349.0	59.7	20.6%
55.6%	281.7	300.6	18.9	6.7%
56.8%	274.5	298.8	24.4	8.9%
58.0%	249.4	275.2	25.8	10.4%
59.3%	243.0	264.5	21.5	8.8%
60.5%	228.9	263.3	34.4	15.0%
61.7%	222.7	233.5	10.7	4.8%
63.0%	221.8	232.2	10.3	4.7%
64.2%	212.0	213.0	1.0	0.5%
65.4%	210.9	211.2	0.3	0.1%
66.7%	206.8	210.9	4.1	2.0%
67.9%	204.2	210.0	5.8	2.9%
69.1%	200.9	205.4	4.5	2.2%
70.4%	200.4	200.6	0.3	0.1%
71.6%	200.0	200.5	0.5	0.2%
72.8%	199.7	200.4	0.7	0.4%
74.1%	199.4	199.5	0.1	0.0%
75.3%	198.6	199.4	0.8	0.4%
76.5%	197.2	197.9	0.7	0.4%
77.8%	195.7	197.1	1.4	0.7%
79.0%	195.3	197.0	1.7	0.9%
80.2%	195.3	195.8	0.5	0.2%
81.5%	195.0	195.5	0.5	0.3%
82.7%	194.9	195.5	0.6	0.3%
84.0%	193.6	195.1	1.5	0.8%
85.2%	193.4	194.8	1.3	0.7%
86.4%	193.0	193.5	0.5	0.2%
87.7%	192.7	193.5	0.7	0.4%
88.9%	192.3	192.6	0.2	0.1%
90.1%	192.1	192.4	0.4	0.2%
91.4%	191.0	192.1	1.1	0.6%
92.6%	190.9	192.0	1.1	0.6%
93.8%	190.8	191.5	0.7	0.4%
95.1%	190.3	190.7	0.4	0.2%
96.3%	190.1	190.6	0.5	0.3%
97.5%	189.5	190.2	0.7	0.4%
98.8%	183.8	183.7	0.0	0.0%
100.0%	183.3	183.3	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	7016.2	6958.5	-57.7	-0.8%
1.2%	5915.7	5928.9	13.2	0.2%
2.5%	5603.1	5465.8	-137.3	-2.5%
3.7%	5095.8	5047.4	-48.4	-1.0%
4.9%	4842.4	4793.3	-49.2	-1.0%
6.2%	3989.9	3936.1	-53.8	-1.3%
7.4%	3889.9	3884.2	-5.7	-0.1%
8.6%	3860.1	3600.3	-259.8	-6.7%
9.9%	3368.1	3409.3	41.2	1.2%
11.1%	3337.4	3338.8	1.4	0.0%
12.3%	3210.8	3330.7	119.8	3.7%
13.6%	3142.8	3329.9	187.1	6.0%
14.8%	3127.0	3325.7	198.7	6.4%
16.0%	2611.4	2892.4	281.0	10.8%
17.3%	2569.6	2559.6	-10.0	-0.4%
18.5%	2528.9	2402.8	-126.1	-5.0%
19.8%	2416.1	2328.8	-87.3	-3.6%
21.0%	2177.3	2326.5	149.2	6.9%
22.2%	2158.9	2186.2	27.4	1.3%
23.5%	2117.5	2131.7	14.1	0.7%
24.7%	1829.7	1992.6	162.9	8.9%
25.9%	1784.3	1819.0	34.8	1.9%
27.2%	1771.4	1762.6	-8.8	-0.5%
28.4%	1673.1	1666.1	-7.0	-0.4%
29.6%	1643.1	1600.3	-42.8	-2.6%
30.9%	1605.8	1582.6	-23.3	-1.4%
32.1%	1594.9	1577.5	-17.4	-1.1%
33.3%	1477.9	1481.4	3.5	0.2%
34.6%	1457.8	1396.5	-61.3	-4.2%
35.8%	1427.3	1382.5	-44.8	-3.1%
37.0%	1267.9	1367.1	99.2	7.8%
38.3%	1238.2	1356.3	118.2	9.5%
39.5%	1232.6	1327.0	94.3	7.7%
40.7%	1220.9	1318.0	97.1	8.0%
42.0%	1218.3	1247.1	28.8	2.4%
43.2%	1152.3	1234.9	82.7	7.2%
44.4%	1141.8	1154.0	12.2	1.1%
45.7%	1077.8	1100.7	22.9	2.1%
46.9%	934.2	1046.3	112.2	12.0%
48.1%	930.5	1007.5	77.1	8.3%
49.4%	859.7	960.1	100.4	11.7%
50.6%	844.9	892.3	47.4	5.6%
51.9%	790.8	793.9	3.1	0.4%
53.1%	718.5	721.3	2.9	0.4%
54.3%	705.6	710.9	5.3	0.7%
55.6%	638.4	686.8	48.4	7.6%
56.8%	636.3	635.3	-1.1	-0.2%
58.0%	592.7	611.6	18.9	3.2%
59.3%	489.4	609.1	119.6	24.4%
60.5%	439.2	496.1	56.9	13.0%
61.7%	436.3	472.0	35.7	8.2%
63.0%	431.5	444.8	13.3	3.1%
64.2%	431.5	440.0	8.6	2.0%
65.4%	354.9	438.1	83.2	23.4%
66.7%	343.0	372.0	29.0	8.5%
67.9%	341.8	352.8	11.0	3.2%
69.1%	296.2	348.8	52.6	17.8%
70.4%	290.0	319.6	29.6	10.2%
71.6%	284.4	277.9	-6.5	-2.3%
72.8%	270.2	270.1	-0.1	0.0%
74.1%	266.4	268.7	2.3	0.8%
75.3%	251.1	252.1	1.0	0.4%
76.5%	247.5	248.4	0.9	0.4%
77.8%	227.2	227.2	0.0	0.0%
79.0%	216.5	217.0	0.5	0.2%
80.2%	213.0	214.9	1.9	0.9%
81.5%	212.3	211.8	-0.5	-0.2%
82.7%	205.0	211.4	6.5	3.2%
84.0%	202.9	210.2	7.4	3.6%
85.2%	202.5	207.0	4.5	2.2%
86.4%	201.1	206.2	5.2	2.6%
87.7%	201.0	201.3	0.3	0.2%
88.9%	200.5	200.7	0.2	0.1%
90.1%	196.1	196.2	0.1	0.0%
91.4%	193.9	195.0	1.2	0.6%
92.6%	191.2	191.1	0.0	0.0%
93.8%	189.0	188.8	-0.2	-0.1%
95.1%	188.1	188.0	0.0	0.0%
96.3%	187.9	187.9	0.0	0.0%
97.5%	187.6	187.9	0.3	0.1%
98.8%	185.9	186.1	0.2	0.1%
100.0%	185.0	185.7	0.7	0.4%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	9506.5	9468.6	-37.9	-0.4%
1.2%	9278.9	9271.9	-7.0	-0.1%
2.5%	8808.8	8791.7	-17.0	-0.2%
3.7%	7167.4	6621.8	-545.6	-7.6%
4.9%	6558.7	6565.5	6.8	0.1%
6.2%	5856.5	5872.6	16.1	0.3%
7.4%	5851.3	5826.3	-25.0	-0.4%
8.6%	5804.7	5766.9	-37.8	-0.7%
9.9%	5698.2	5678.2	-20.0	-0.4%
11.1%	5671.6	5589.9	-81.8	-1.4%
12.3%	5566.4	5506.6	-59.8	-1.1%
13.6%	5238.4	5169.3	-69.1	-1.3%
14.8%	5107.0	4999.4	-107.5	-2.1%
16.0%	4919.5	4795.4	-124.1	-2.5%
17.3%	4888.1	4749.2	-138.8	-2.8%
18.5%	4847.2	4719.9	-127.2	-2.6%
19.8%	4751.3	4571.2	-180.1	-3.8%
21.0%	4573.7	4461.5	-112.2	-2.5%
22.2%	4499.8	4353.2	-146.7	-3.3%
23.5%	4381.4	4323.4	-58.1	-1.3%
24.7%	4371.5	4244.4	-127.1	-2.9%
25.9%	4307.1	4199.5	-107.6	-2.5%
27.2%	4268.1	4045.3	-222.8	-5.2%
28.4%	4084.7	3955.9	-128.7	-3.2%
29.6%	4009.3	3889.9	-119.4	-3.0%
30.9%	3872.3	3759.9	-112.4	-2.9%
32.1%	3656.9	3539.7	-117.2	-3.2%
33.3%	3494.5	3507.9	13.4	0.4%
34.6%	3485.5	3484.2	-1.3	0.0%
35.8%	3275.9	3316.5	40.5	1.2%
37.0%	3217.8	3202.8	-15.0	-0.5%
38.3%	3149.4	3169.9	20.4	0.6%
39.5%	2991.6	3001.2	9.5	0.3%
40.7%	2964.7	2971.4	6.7	0.2%
42.0%	2689.6	2966.9	277.4	10.3%
43.2%	2626.7	2898.9	272.2	10.4%
44.4%	2472.4	2719.7	247.4	10.0%
45.7%	2436.7	2646.7	209.9	8.6%
46.9%	2390.7	2498.1	107.4	4.5%
48.1%	2169.5	2202.7	33.2	1.5%
49.4%	2130.2	2140.1	9.9	0.5%
50.6%	2086.1	2040.8	-45.3	-2.2%
51.9%	2071.1	2011.7	-59.4	-2.9%
53.1%	2018.9	2010.4	-8.5	-0.4%
54.3%	1997.3	2009.9	12.7	0.6%
55.6%	1993.8	2007.2	13.4	0.7%
56.8%	1891.0	1929.4	38.4	2.0%
58.0%	1852.5	1789.4	-63.1	-3.4%
59.3%	1819.1	1715.2	-103.9	-5.7%
60.5%	1694.9	1672.4	-22.6	-1.3%
61.7%	1614.0	1622.2	8.2	0.5%
63.0%	1591.5	1615.1	23.6	1.5%
64.2%	1559.4	1606.2	46.8	3.0%
65.4%	1499.5	1542.0	42.5	2.8%
66.7%	1487.6	1540.1	52.4	3.5%
67.9%	1316.8	1344.4	27.6	2.1%
69.1%	1276.3	1307.2	30.9	2.4%
70.4%	1178.3	1178.9	0.6	0.0%
71.6%	1171.8	1171.4	-0.4	0.0%
72.8%	1041.4	1039.3	-2.1	-0.2%
74.1%	993.5	1032.9	39.4	4.0%
75.3%	957.6	971.3	13.7	1.4%
76.5%	937.8	947.3	9.6	1.0%
77.8%	569.4	675.5	106.1	18.6%
79.0%	527.6	566.8	39.2	7.4%
80.2%	436.3	548.0	111.7	25.6%
81.5%	430.1	445.5	15.4	3.6%
82.7%	429.1	436.2	7.1	1.7%
84.0%	353.3	427.6	74.4	21.0%
85.2%	350.5	356.2	5.8	1.6%
86.4%	307.6	309.4	1.9	0.6%
87.7%	295.7	303.9	8.2	2.8%
88.9%	280.9	284.0	3.1	1.1%
90.1%	270.6	272.6	2.0	0.8%
91.4%	251.2	253.7	2.5	1.0%
92.6%	241.7	240.7	-0.9	-0.4%
93.8%	227.1	227.3	0.2	0.1%
95.1%	212.8	213.4	0.6	0.3%
96.3%	197.1	197.2	0.1	0.1%
97.5%	192.0	192.5	0.5	0.3%
98.8%	183.9	184.0	0.1	0.1%
100.0%	181.2	181.6	0.4	0.2%

Table SQ-23-b

Sacramento River at Mallard Slough (Chipps Island)), Monthly EC
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	12023.9	12007.9	-16.0	-0.1%
1.2%	11590.2	11307.0	-283.1	-2.4%
2.5%	11431.9	10376.5	-1055.4	-9.2%
3.7%	10608.4	10121.2	-487.2	-4.6%
4.9%	7502.8	7474.6	-28.1	-0.4%
6.2%	7299.1	7435.4	136.3	1.9%
7.4%	7264.1	7302.7	38.6	0.5%
8.6%	7230.1	7031.7	-198.4	-2.7%
9.9%	7183.2	6763.6	-419.6	-5.8%
11.1%	7095.5	6695.2	-400.3	-5.6%
12.3%	7069.8	6678.0	-391.9	-5.5%
13.6%	6882.3	6642.2	-240.1	-3.5%
14.8%	6779.4	6591.2	-188.2	-2.8%
16.0%	6750.1	6405.2	-344.9	-5.1%
17.3%	6722.7	6325.9	-396.8	-5.9%
18.5%	6714.3	6323.4	-391.0	-5.8%
19.8%	6707.0	6308.6	-398.5	-5.9%
21.0%	6487.2	6164.0	-323.1	-5.0%
22.2%	6394.0	6127.9	-266.1	-4.2%
23.5%	6309.1	6121.7	-187.4	-3.0%
24.7%	6264.8	6070.2	-194.6	-3.1%
25.9%	6246.8	6026.1	-220.7	-3.5%
27.2%	6198.5	6000.0	-198.5	-3.2%
28.4%	6184.7	5995.9	-188.8	-3.1%
29.6%	6156.5	5971.7	-184.7	-3.0%
30.9%	6105.0	5948.3	-156.7	-2.6%
32.1%	5999.7	5935.4	-64.3	-1.1%
33.3%	5996.7	5933.1	-63.6	-1.1%
34.6%	5978.3	5817.9	-160.5	-2.7%
35.8%	5953.0	5796.9	-156.0	-2.6%
37.0%	5950.4	5796.2	-154.2	-2.6%
38.3%	5791.7	5607.5	-184.2	-3.2%
39.5%	5786.2	5604.3	-181.8	-3.1%
40.7%	5764.7	5598.5	-166.2	-2.9%
42.0%	5609.2	5577.4	-31.8	-0.6%
43.2%	5574.9	5526.1	-48.8	-0.9%
44.4%	5525.4	5394.2	-131.2	-2.4%
45.7%	5345.6	5256.9	-88.6	-1.7%
46.9%	5298.5	5246.2	-52.3	-1.0%
48.1%	5281.7	5234.6	-47.1	-0.9%
49.4%	5233.4	5221.3	-12.1	-0.2%
50.6%	5201.3	5202.2	0.9	0.0%
51.9%	5193.5	5170.2	-23.3	-0.4%
53.1%	5104.9	5095.7	-9.2	-0.2%
54.3%	5068.1	4954.5	-113.6	-2.2%
55.6%	5053.2	4920.1	-133.1	-2.6%
56.8%	4993.3	4893.7	-99.6	-2.0%
58.0%	4987.2	4892.7	-94.5	-1.9%
59.3%	4982.6	4861.9	-120.7	-2.4%
60.5%	4913.1	4833.4	-79.8	-1.6%
61.7%	4889.5	4798.2	-91.4	-1.9%
63.0%	4876.9	4797.2	-79.7	-1.6%
64.2%	4829.6	4771.7	-57.8	-1.2%
65.4%	4768.8	4751.1	-17.8	-0.4%
66.7%	4704.6	4713.7	9.1	0.2%
67.9%	4679.6	4667.4	-12.2	-0.3%
69.1%	4596.0	4537.8	-58.3	-1.3%
70.4%	4415.1	4442.4	27.3	0.6%
71.6%	4374.8	4372.9	-1.9	0.0%
72.8%	4228.3	4300.6	72.4	1.7%
74.1%	3935.3	3933.5	-1.9	0.0%
75.3%	3660.6	3572.8	-87.8	-2.4%
76.5%	3580.1	3560.0	-20.1	-0.6%
77.8%	3485.8	3451.5	-34.3	-1.0%
79.0%	3280.7	3200.9	-79.8	-2.4%
80.2%	3209.0	3105.6	-103.5	-3.2%
81.5%	3155.4	3072.5	-82.9	-2.6%
82.7%	3152.1	2991.0	-161.1	-5.1%
84.0%	3086.6	2936.9	-149.7	-4.8%
85.2%	3062.4	2703.4	-358.9	-11.7%
86.4%	2708.3	2608.9	-99.5	-3.7%
87.7%	2610.5	2380.3	-230.1	-8.8%
88.9%	2438.4	2369.6	-68.8	-2.8%
90.1%	2421.3	2335.9	-85.4	-3.5%
91.4%	1674.9	2244.4	569.4	34.0%
92.6%	1525.1	1410.8	-114.3	-7.5%
93.8%	1408.8	1403.3	-5.5	-0.4%
95.1%	1108.9	1056.5	-52.4	-4.7%
96.3%	999.7	928.5	-71.1	-7.1%
97.5%	925.4	883.1	-42.3	-4.6%
98.8%	344.7	279.9	-64.9	-18.8%
100.0%	220.0	216.6	-3.3	

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	12764.9	12814.8	49.9	0.4%
1.2%	12559.4	12203.7	-355.7	-2.8%
2.5%	12454.9	11797.0	-657.9	-5.3%
3.7%	11852.0	10800.3	-1051.7	-8.9%
4.9%	9653.8	9660.3	6.5	0.1%
6.2%	9645.9	9552.9	-93.0	-1.0%
7.4%	9632.3	9478.8	-153.5	-1.6%
8.6%	9580.8	9115.7	-465.1	-4.9%
9.9%	9535.9	9076.9	-459.0	-4.8%
11.1%	9396.6	8697.3	-699.3	-7.4%
12.3%	9314.5	8579.6	-735.0	-7.9%
13.6%	9114.2	8435.8	-678.4	-7.4%
14.8%	8782.1	8409.1	-373.1	-4.2%
16.0%	8721.0	8362.3	-358.7	-4.1%
17.3%	8426.5	8217.8	-208.7	-2.5%
18.5%	8396.6	8195.5	-201.1	-2.4%
19.8%	8358.1	8195.1	-163.0	-1.9%
21.0%	8265.9	8025.3	-240.6	-2.9%
22.2%	8209.4	8011.8	-197.6	-2.4%
23.5%	8209.1	8006.9	-202.2	-2.5%
24.7%	8173.8	7993.5	-180.3	-2.2%
25.9%	8044.5	7965.6	-78.9	-1.0%
27.2%	7954.9	7843.4	-111.6	-1.4%
28.4%	7923.0	7828.6	-94.4	-1.2%
29.6%	7919.6	7693.6	-226.0	-2.9%
30.9%	7831.2	7540.2	-291.0	-3.7%
32.1%	7592.0	7373.0	-219.1	-2.9%
33.3%	7390.2	7156.5	-233.6	-3.2%
34.6%	6410.9	6365.1	-45.8	-0.7%
35.8%	6298.5	6216.6	-81.9	-1.3%
37.0%	6125.2	6099.4	-25.8	-0.4%
38.3%	6092.9	6092.2	-0.7	0.0%
39.5%	5994.4	5918.5	-75.9	-1.3%
40.7%	5984.3	5918.2	-66.1	-1.1%
42.0%	5894.3	5832.3	-61.9	-1.1%
43.2%	5830.1	5819.2	-10.9	-0.2%
44.4%	5829.7	5786.6	-43.1	-0.7%
45.7%	5826.9	5775.2	-51.7	-0.9%
46.9%	5805.0	5748.1	-56.9	-1.0%
48.1%	5781.2	5718.9	-62.4	-1.1%
49.4%	5608.0	5660.6	52.7	0.9%
50.6%	5547.3	5628.4	81.1	1.5%
51.9%	5424.9	5324.5	-100.5	-1.9%
53.1%	5334.5	5248.5	-86.0	-1.6%
54.3%	5234.3	5244.9	10.6	0.2%
55.6%	5107.6	5235.7	128.1	2.5%
56.8%	5100.8	5087.5	-13.3	-0.3%
58.0%	4929.2	4928.3	-0.9	0.0%
59.3%	4838.9	4860.5	21.7	0.4%
60.5%	4800.6	4641.9	-158.7	-3.3%
61.7%	4735.0	4633.2	-101.8	-2.1%
63.0%	4624.5	4612.9	-11.6	-0.3%
64.2%	4616.2	4597.9	-18.3	-0.4%
65.4%	4595.9	4556.3	-39.5	-0.9%
66.7%	4505.4	4440.9	-64.5	-1.4%
67.9%	4440.7	4424.0	-16.7	-0.4%
69.1%	4435.0	4418.4	-16.6	-0.4%
70.4%	4377.2	4396.0	18.9	0.4%
71.6%	4362.4	4369.5	7.1	0.2%
72.8%	4325.1	4368.0	42.9	1.0%
74.1%	4281.5	4277.0	-4.5	-0.1%
75.3%	4252.0	4249.6	-2.4	-0.1%
76.5%	4235.9	4215.0	-20.9	-0.5%
77.8%	4200.5	4167.6	-32.8	-0.8%
79.0%	4165.7	4150.6	-15.1	-0.4%
80.2%	4122.5	4137.7	15.2	0.4%
81.5%	4111.8	4081.7	-30.1	-0.7%
82.7%	4102.9	4032.8	-70.1	-1.7%
84.0%	4068.1	3986.3	-81.8	-2.0%
85.2%	3994.2	3942.8	-51.4	-1.3%
86.4%	3896.2	3900.7	4.6	0.1%
87.7%	3893.3	3891.1	-2.2	-0.1%
88.9%	3822.4	3889.1	66.7	1.7%
90.1%	3770.6	3539.6	-231.0	-6.1%
91.4%	3573.6	3488.3	-85.3	-2.4%
92.6%	3520.3	3470.9	-49.3	-1.4%
93.8%	3516.3	3437.1	-79.2	-2.3%
95.1%	3450.8	3401.7	-49.1	-1.4%
96.3%	3358.3	3290.3	-68.0	-2.0%
97.5%	3041.6	3000.4	-41.2	-1.4%
98.8%	2855.1	2753.2	-101.9	-3.6%
100.0%	2,552.0	2,536.7	-15.3	-0.6%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	13013.6	13254.9	241.3	1.9%
1.2%	12949.3	12654.7	-294.5	-2.3%
2.5%	12624.3	12252.3	-372.0	-2.9%
3.7%	12267.3	12023.1	-244.2	-2.0%
4.9%	12089.5	11870.5	-218.9	-1.8%
6.2%	11863.9	11802.8	-61.1	-0.5%
7.4%	11842.3	11802.5	-39.8	-0.3%
8.6%	11841.9	11605.9	-236.0	-2.0%
9.9%	11836.5	11400.1	-436.5	-3.7%
11.1%	11694.4	11276.2	-418.3	-3.6%
12.3%	11627.6	10997.0	-630.6	-5.4%
13.6%	11045.4	10774.2	-271.2	-2.5%
14.8%	10941.8	10605.8	-336.0	-3.1%
16.0%	10836.6	10523.6	-313.1	-2.9%
17.3%	10817.6	10440.5	-377.1	-3.5%
18.5%	10809.3	10431.0	-378.4	-3.5%
19.8%	10802.2	10412.3	-389.9	-3.6%
21.0%	10733.8	10355.6	-378.3	-3.5%
22.2%	10674.9	10148.1	-526.9	-4.9%
23.5%	10531.3	10057.5	-473.9	-4.5%
24.7%	10441.9	10041.8	-400.1	-3.8%
25.9%	10326.2	10001.7	-324.5	-3.1%
27.2%	10245.0	9961.5	-283.5	-2.8%
28.4%	10090.1	9928.0	-162.1	-1.6%
29.6%	10043.4	9644.8	-398.6	-4.0%
30.9%	9861.5	9515.9	-345.5	-3.5%
32.1%	9422.4	9374.9	-47.5	-0.5%
33.3%	9376.7	9332.6	-44.0	-0.5%
34.6%	9011.2	8521.5	-489.6	-5.4%
35.8%	8791.8	8432.6	-359.3	-4.1%
37.0%	8485.6	8428.7	-56.9	-0.7%
38.3%	8374.9	8418.7	43.8	0.5%
39.5%	8352.1	8313.5	-38.6	-0.5%
40.7%	8344.4	8304.5	-39.9	-0.5%
42.0%	8289.8	8266.9	-22.9	-0.3%
43.2%	8274.9	8191.0	-84.0	-1.0%
44.4%	8270.0	8159.2	-110.7	-1.3%
45.7%	8245.1	8155.4	-89.6	-1.1%
46.9%	8232.2	8107.2	-125.0	-1.5%
48.1%	8219.9	8093.6	-126.3	-1.5%
49.4%	8184.7	8077.2	-107.5	-1.3%
50.6%	8144.9	8071.3	-73.6	-0.9%
51.9%	8132.4	8053.3	-79.0	-1.0%
53.1%	8118.3	8027.2	-91.2	-1.1%
54.3%	8117.2	8004.7	-112.5	-1.4%
55.6%	8083.6	7989.7	-93.9	-1.2%
56.8%	8078.4	7974.6	-103.8	-1.3%
58.0%	8066.8	7955.4	-111.4	-1.4%
59.3%	8050.3	7913.8	-136.5	-1.7%
60.5%	8007.0	7897.1	-109.9	-1.4%
61.7%	7965.8	7803.9	-161.9	-2.0%
63.0%	7914.2	7756.5	-157.7	-2.0%
64.2%	7838.9	7733.2	-105.7	-1.3%
65.4%	7728.6	7688.3	-40.2	-0.5%
66.7%	7665.2	7622.0	-43.2	-0.6%
67.9%	7630.4	7496.0	-134.4	-1.8%
69.1%	7469.0	7437.5	-31.5	-0.4%
70.4%	7374.1	7384.0	9.8	0.1%
71.6%	7362.9	7362.2	-0.7	0.0%
72.8%	7274.1	7355.2	81.2	1.1%
74.1%	7260.2	7310.5	50.3	0.7%
75.3%	7260.2	7215.3	-44.9	-0.6%
76.5%	7154.4	7175.2	20.9	0.3%
77.8%	7152.2	7170.6	18.4	0.3%
79.0%	7105.1	7093.1	-12.0	-0.2%
80.2%	7086.2	7085.6	-0.7	0.0%
81.5%	7034.3	7019.7	-14.6	-0.2%
82.7%	6910.5	6884.0	-26.4	-0.4%
84.0%	6900.3	6781.2	-119.0	-1.7%
85.2%	6894.2	6771.3	-122.9	-1.8%
86.4%	6872.5	6718.5	-154.0	-2.2%
87.7%	6822.7	6711.0	-111.7	-1.6%
88.9%	6782.4	6641.6	-140.9	-2.1%
90.1%	6762.8	6583.9	-179.0	-2.6%
91.4%	6755.1	6531.0	-224.1	-3.3%
92.6%	6732.2	6505.0	-227.2	-3.4%
93.8%	6638.4	6449.7	-188.7	-2.8%
95.1%	6581.8	6324.3	-257.6	-3.9%
96.3%	6436.7	6271.0	-165.7	-2.6%
97.5%	6296.6	6102.2	-194.4	-3.1%
98.8%	6229.9	6043.8	-186.1	-3.0%
100.0%	5,980.6	5,660.0	-320.6	-5.4%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	13941.1	13891.5	-49.6	-0.4%
1.2%	13715.8	13549.1	-166.7	-1.2%
2.5%	13546.6	13505.6	-41.0	-0.3%
3.7%	13513.0	13394.0	-119.0	-0.9%
4.9%	13508.3	13382.7	-125.6	-0.9%
6.2%	13445.5	13351.9	-93.5	-0.7%
7.4%	13364.2	13176.2	-188.1	-1.4%
8.6%	13349.8	13086.4	-263.4	-2.0%
9.9%	13332.4	12985.6	-346.8	-2.6%
11.1%	13321.3	12700.5	-620.8	-4.7%
12.3%	13133.1	12617.6	-515.5	-3.9%
13.6%	12948.0	12600.0	-347.9	-2.7%
14.8%	12797.1	12527.1	-270.0	-2.1%
16.0%	12788.4	12308.4	-480.0	-3.8%
17.3%	12773.3	12283.8	-489.5	-3.8%
18.5%	12773.1	12084.2	-689.0	-5.4%
19.8%	12704.4	12021.5	-682.9	-5.4%
21.0%	12609.5	11954.5	-655.0	-5.2%
22.2%	12607.5	11793.1	-814.4	-6.5%
23.5%	12593.5	11575.6	-1017.9	-8.1%
24.7%	12542.4	11559.5	-982.9	-7.8%
25.9%	12480.9	11438.2	-1042.7	-8.4%
27.2%	12118.0	11424.7	-693.3	-5.7%
28.4%	11948.1	11396.6	-551.5	-4.6%
29.6%	11936.0	11335.1	-600.9	-5.0%
30.9%	11932.8	11298.1	-634.7	-5.3%
32.1%	11890.5	11166.1	-724.3	-6.1%
33.3%	11808.0	11122.1	-685.9	-5.8%
34.6%	11673.7	11098.4	-575.4	-4.9%
35.8%	11627.5	11075.4	-552.1	-4.7%
37.0%	11599.3	11065.4	-533.9	-4.6%
38.3%	11515.6	10999.8	-515.7	-4.5%
39.5%	11411.2	10747.5	-663.6	-5.8%
40.7%	11370.4	10647.9	-722.4	-6.4%
42.0%	11346.9	10615.7	-731.2	-6.4%
43.2%	11299.6	10596.7	-702.9	-6.2%
44.4%	11161.4	10499.8	-661.7	-5.9%
45.7%	11129.1	10411.5	-717.6	-6.4%
46.9%	10990.1	10358.8	-631.3	-5.7%
48.1%	10949.5	10348.2	-601.3	-5.5%
49.4%	10719.3	10237.1	-482.2	-4.5%
50.6%	10699.9	10162.1	-537.8	-5.0%
51.9%	10690.0	9892.7	-797.4	-7.5%
53.1%	10562.5	9808.5	-754.0	-7.1%
54.3%	10388.0	9451.9	-936.1	-9.0%
55.6%	6274.7	6023.2	-251.5	-4.0%
56.8%	6156.5	5864.9	-291.6	-4.7%
58.0%	6089.4	5816.3	-273.0	-4.5%
59.3%	6056.9	5805.4	-251.5	-4.2%
60.5%	6053.2	5759.9	-293.2	-4.8%
61.7%	5931.1	5684.0	-247.1	-4.2%
63.0%	5868.3	5676.6	-191.7	-3.3%
64.2%	5811.9	5630.1	-181.8	-3.1%
65.4%	5802.0	5613.3	-188.7	-3.3%
66.7%	5796.0	5609.9	-186.2	-3.2%
67.9%	5793.6	5524.6	-269.1	-4.6%
69.1%	5700.5	5424.4	-276.1	-4.8%
70.4%	3357.7	3207.8	-149.9	-4.5%
71.6%	3262.7	3206.9	-55.8	-1.7%
72.8%	3202.9	3151.6	-51.3	-1.6%
74.1%	3188.0	3141.5	-46.5	-1.5%
75.3%	3170.0	3141.0	-29.0	-0.9%
76.5%	3167.6	3126.5	-41.1	-1.3%
77.8%	3165.5	3103.6	-61.9	-2.0%
79.0%	3141.4	3090.8	-50.6	-1.6%
80.2%	3135.9	3034.3	-101.6	-3.2%
81.5%	3082.3	3016.6	-65.7	-2.1%
82.7%	3053.2	2997.2	-56.0	-1.8%
84.0%	3047.4	2983.5	-63.8	-2.1%
85.2%	3043.9	2976.8	-67.1	-2.2%
86.4%	3006.4	2961.3	-45.1	-1.5%
87.7%	2983.3	2936.6	-46.7	-1.6%
88.9%	2979.9	2891.3	-88.7	-3.0%
90.1%	2961.1	2863.2	-97.9	-3.3%
91.4%	2954.0	2847.8	-106.2	-3.6%
92.6%	2950.5	2837.6	-112.8	-3.8%
93.8%	2918.8	2818.9	-100.0	-3.4%
95.1%	2914.3	2803.0	-111.3	-3.8%
96.3%	2897.4	2766.9	-130.5	-4.5%
97.5%	2841.5	2756.3	-85.2	-3.0%
98.8%	2824.5	2753.2	-71.4	-2.5%
100.0%	2,696.8	2,752.6	55.8	2.1%

Figure SQ-24-b
Sacramento River at Port Chicago (Roe Island), Monthly EC
Probability of Exceedance

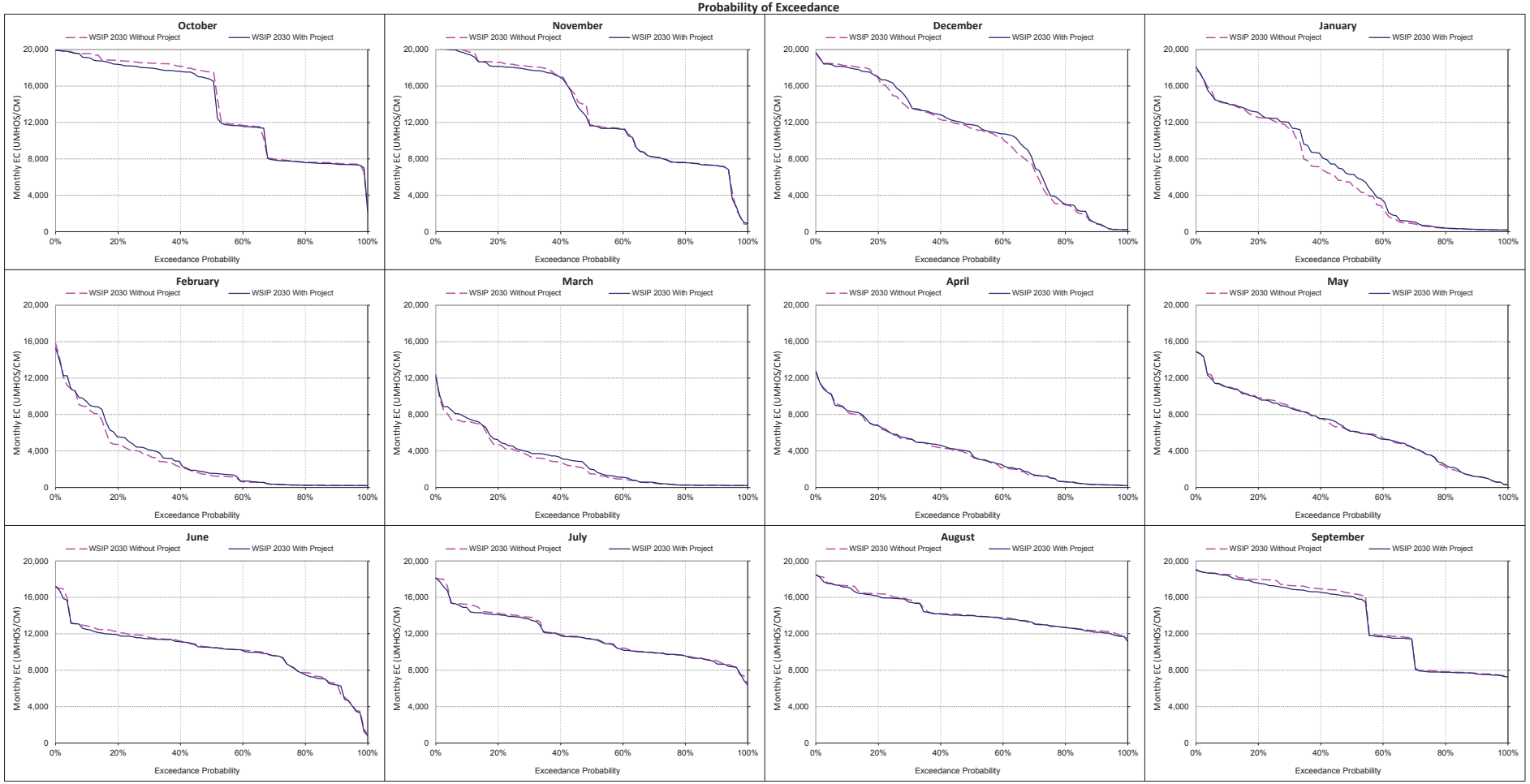


Table SQ-24-b

Sacramento River at Port Chicago (Roe Island), Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	20047.7	19918.1	-129.6	-0.6%
1.2%	19932.7	19863.8	-68.9	-0.3%
2.5%	19818.5	19837.1	18.6	0.1%
3.7%	19807.4	19820.7	13.3	0.1%
4.9%	19781.9	19695.8	-86.1	-0.4%
6.2%	19618.4	19600.6	-17.7	-0.1%
7.4%	19579.2	19596.7	17.6	0.1%
8.6%	19565.3	19161.3	-404.0	-2.1%
9.9%	19564.0	19123.7	-440.3	-2.3%
11.1%	19557.8	19079.5	-478.3	-2.4%
12.3%	19417.3	18816.0	-601.3	-3.1%
13.6%	19400.2	18776.5	-623.8	-3.2%
14.8%	18878.6	18755.2	-123.5	-0.7%
16.0%	18872.1	18690.6	-181.5	-1.0%
17.3%	18861.8	18569.5	-292.4	-1.5%
18.5%	18842.0	18415.7	-426.3	-2.3%
19.8%	18834.2	18399.4	-434.9	-2.3%
21.0%	18775.0	18322.9	-452.1	-2.4%
22.2%	18737.0	18211.8	-525.2	-2.8%
23.5%	18729.4	18209.2	-520.2	-2.8%
24.7%	18660.3	18180.3	-480.0	-2.6%
25.9%	18639.9	18175.8	-464.1	-2.5%
27.2%	18555.4	18063.9	-491.5	-2.6%
28.4%	18545.7	18017.1	-528.5	-2.8%
29.6%	18539.8	18003.4	-536.4	-2.9%
30.9%	18505.4	17970.6	-534.7	-2.9%
32.1%	18500.3	17915.0	-585.2	-3.2%
33.3%	18463.6	17825.0	-638.7	-3.5%
34.6%	18463.1	17749.2	-714.0	-3.9%
35.8%	18451.8	17722.3	-729.5	-4.0%
37.0%	18427.8	17719.6	-708.2	-3.8%
38.3%	18278.0	17653.4	-624.6	-3.4%
39.5%	18172.7	17617.9	-554.8	-3.1%
40.7%	18153.0	17579.3	-573.7	-3.2%
42.0%	17965.5	17539.7	-425.8	-2.4%
43.2%	17952.7	17524.0	-428.8	-2.4%
44.4%	17833.0	17329.1	-504.0	-2.8%
45.7%	17777.1	17019.0	-758.1	-4.3%
46.9%	17676.5	16990.5	-686.0	-3.9%
48.1%	17603.8	16883.4	-720.3	-4.1%
49.4%	17551.5	16759.6	-791.8	-4.5%
50.6%	17532.6	16497.7	-1034.8	-5.9%
51.9%	14602.3	12416.4	-2185.9	-15.0%
53.1%	12039.5	11902.9	-136.6	-1.1%
54.3%	11956.9	11757.0	-199.9	-1.7%
55.6%	11827.8	11716.3	-111.6	-0.9%
56.8%	11823.1	11666.7	-156.4	-1.3%
58.0%	11820.1	11649.3	-170.8	-1.4%
59.3%	11721.8	11618.0	-103.9	-0.9%
60.5%	11651.7	11557.8	-93.9	-0.8%
61.7%	11647.4	11539.1	-108.3	-0.9%
63.0%	11615.1	11494.2	-120.9	-1.0%
64.2%	11549.4	11491.2	-58.2	-0.5%
65.4%	11543.8	11392.2	-151.6	-1.3%
66.7%	10254.5	11375.3	1120.7	10.9%
67.9%	8074.0	8026.5	-47.5	-0.6%
69.1%	8050.9	7918.8	-132.0	-1.6%
70.4%	7961.5	7859.9	-101.6	-1.3%
71.6%	7903.5	7813.2	-90.3	-1.1%
72.8%	7876.5	7789.1	-87.4	-1.1%
74.1%	7832.4	7788.9	-43.5	-0.6%
75.3%	7787.3	7746.4	-40.8	-0.5%
76.5%	7723.7	7732.1	8.4	0.1%
77.8%	7705.7	7668.4	-37.3	-0.5%
79.0%	7675.4	7625.7	-49.8	-0.6%
80.2%	7642.0	7588.9	-53.1	-0.7%
81.5%	7616.8	7586.4	-30.4	-0.4%
82.7%	7611.2	7554.7	-56.5	-0.7%
84.0%	7604.8	7515.5	-89.3	-1.2%
85.2%	7600.1	7504.4	-95.7	-1.3%
86.4%	7586.6	7502.3	-84.3	-1.1%
87.7%	7581.2	7495.7	-85.5	-1.1%
88.9%	7544.8	7457.4	-87.4	-1.2%
90.1%	7501.9	7417.2	-84.7	-1.1%
91.4%	7469.7	7381.1	-88.6	-1.2%
92.6%	7468.3	7371.6	-96.6	-1.3%
93.8%	7433.5	7365.9	-67.6	-0.9%
95.1%	7432.1	7349.6	-82.5	-1.1%
96.3%	7424.5	7337.5	-87.0	-1.2%
97.5%	7380.9	7294.8	-86.0	-1.2%
98.8%	6587.8	6995.0	407.3	6.2%
100.0%	2,479.4	2,245.8	-233.6	-9.4%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	20336.0	20243.8	-92.2	-0.5%
1.2%	20113.6	20122.7	9.1	0.0%
2.5%	20037.6	20101.6	63.9	0.3%
3.7%	20024.5	20017.3	-7.2	0.0%
4.9%	19994.0	20002.5	8.5	0.0%
6.2%	19976.2	19985.7	9.4	0.0%
7.4%	19967.6	19783.8	-183.8	-0.9%
8.6%	19966.0	19706.7	-259.3	-1.3%
9.9%	19831.2	19534.1	-297.1	-1.5%
11.1%	19705.1	19418.2	-286.9	-1.5%
12.3%	19687.0	19204.6	-482.4	-2.5%
13.6%	18741.1	18685.9	-55.2	-0.3%
14.8%	18709.3	18656.1	-53.2	-0.3%
16.0%	18700.1	18618.9	-81.2	-0.4%
17.3%	18675.7	18211.0	-464.7	-2.5%
18.5%	18623.1	18172.5	-450.6	-2.4%
19.8%	18608.9	18158.5	-450.3	-2.4%
21.0%	18588.2	18157.4	-430.9	-2.3%
22.2%	18437.0	18075.7	-361.3	-2.0%
23.5%	18411.7	18066.6	-345.1	-1.9%
24.7%	18390.6	18042.2	-348.4	-1.9%
25.9%	18286.9	18005.5	-281.3	-1.5%
27.2%	18249.5	17974.5	-275.1	-1.5%
28.4%	18229.9	17873.6	-356.3	-2.0%
29.6%	18152.9	17787.1	-365.8	-2.0%
30.9%	18145.2	17723.5	-421.6	-2.3%
32.1%	18095.7	17687.7	-408.0	-2.3%
33.3%	18069.7	17668.7	-401.1	-2.2%
34.6%	17983.0	17585.3	-397.7	-2.2%
35.8%	17867.6	17459.9	-407.7	-2.3%
37.0%	17652.6	17428.2	-224.4	-1.3%
38.3%	17313.2	17219.8	-93.4	-0.5%
39.5%	17035.5	17037.7	2.2	0.0%
40.7%	16984.0	16752.9	-231.2	-1.4%
42.0%	16203.3	16169.3	-33.9	-0.2%
43.2%	15612.2	15469.1	-143.2	-0.9%
44.4%	15143.1	14471.1	-672.0	-4.4%
45.7%	14204.0	13616.9	-587.2	-4.1%
46.9%	14043.2	13159.1	-884.1	-6.3%
48.1%	13990.0	12695.8	-1294.2	-9.3%
49.4%	11736.6	11632.5	-104.1	-0.9%
50.6%	11671.5	11630.8	-40.7	-0.3%
51.9%	11650.4	11540.3	-110.1	-0.9%
53.1%	11499.0	11349.4	-149.6	-1.3%
54.3%	11428.6	11342.2	-86.4	-0.8%
55.6%	11413.1	11335.6	-77.5	-0.7%
56.8%	11410.1	11331.5	-78.6	-0.7%
58.0%	11385.8	11328.2	-57.7	-0.5%
59.3%	11319.0	11271.5	-47.4	-0.4%
60.5%	11295.2	11260.0	-35.2	-0.3%
61.7%	10692.1	10516.6	-175.5	-1.6%
63.0%	10520.5	10370.0	-150.4	-1.4%
64.2%	9168.4	9247.0	78.6	0.9%
65.4%	8852.8	8818.7	-34.1	-0.4%
66.7%	8768.3	8731.1	-37.2	-0.4%
67.9%	8381.1	8334.0	-47.1	-0.6%
69.1%	8267.0	8238.9	-28.1	-0.3%
70.4%	8187.8	8186.3	-1.5	0.0%
71.6%	8150.0	8122.7	-27.3	-0.3%
72.8%	8032.7	8019.7	-13.0	-0.2%
74.1%	7915.6	7874.2	-41.5	-0.5%
75.3%	7708.8	7642.7	-66.1	-0.9%
76.5%	7659.2	7630.9	-28.2	-0.4%
77.8%	7642.7	7590.0	-52.7	-0.7%
79.0%	7621.5	7585.3	-36.2	-0.5%
80.2%	7617.2	7566.3	-50.9	-0.7%
81.5%	7580.1	7554.5	-25.7	-0.3%
82.7%	7505.7	7490.7	-15.0	-0.2%
84.0%	7501.6	7464.4	-37.2	-0.5%
85.2%	7411.3	7353.6	-57.7	-0.8%
86.4%	7337.9	7344.6	6.7	0.1%
87.7%	7310.3	7316.6	6.3	0.1%
88.9%	7310.1	7304.1	-6.0	-0.1%
90.1%	7236.7	7270.0	33.3	0.5%
91.4%	7206.5	7182.4	-24.1	-0.3%
92.6%	7134.9	7100.4	-34.5	-0.5%
93.8%	6613.9	6793.0	179.1	2.7%
95.1%	4301.9	3594.9	-707.1	-16.4%
96.3%	2404.5	2775.0	370.5	15.4%
97.5%	1684.7	1611.5	-73.2	-4.3%
98.8%	842.0	1023.0	181.0	21.5%
100.0%	786.8	913.4	126.5	16.1%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	19633.0	19660.4	27.4	0.1%
1.2%	19013.9	19091.1	77.2	0.4%
2.5%	18499.5	18435.5	-64.0	-0.3%
3.7%	18497.5	18433.9	-63.6	-0.3%
4.9%	18469.0	18393.4	-75.6	-0.4%
6.2%	18460.2	18166.4	-293.8	-1.6%
7.4%	18394.4	18157.5	-236.9	-1.3%
8.6%	18278.0	18134.0	-144.0	-0.8%
9.9%	18241.4	18083.6	-157.8	-0.9%
11.1%	18236.2	17959.6	-276.7	-1.5%
12.3%	18140.7	17893.6	-247.1	-1.4%
13.6%	18078.3	17828.9	-249.4	-1.4%
14.8%	18026.9	17616.7	-410.3	-2.3%
16.0%	17988.9	17558.6	-430.3	-2.4%
17.3%	17843.8	17535.2	-308.5	-1.7%
18.5%	17286.0	17265.3	-20.7	-0.1%
19.8%	17024.0	17052.5	28.5	0.2%
21.0%	16134.8	16683.2	548.4	3.4%
22.2%	16111.4	16669.4	558.0	3.5%
23.5%	15609.6	16504.6	895.0	5.7%
24.7%	14949.3	16329.2	1379.9	9.2%
25.9%	14870.9	15759.8	888.8	6.0%
27.2%	14307.8	15444.1	1136.3	7.9%
28.4%	13964.2	14996.0	1031.8	7.4%
29.6%	13580.7	14362.5	781.8	5.8%
30.9%	13531.2	13531.8	0.7	0.0%
32.1%	13528.3	13432.8	-95.5	-0.7%
33.3%	13451.4	13348.0	-103.3	-0.8%
34.6%	13115.7	13298.0	182.3	1.4%
35.8%	13112.1	13231.7	119.6	0.9%
37.0%	12913.2	13047.7	134.5	1.0%
38.3%	12730.8	12942.4	211.7	1.7%
39.5%	12376.6	12893.0	516.4	4.2%
40.7%	12236.6	12734.1	497.6	4.1%
42.0%	12223.3	12493.6	270.3	2.2%
43.2%	12117.2	12300.2	183.0	1.5%
44.4%	11894.2	12172.8	278.7	2.3%
45.7%	11836.3	12099.6	263.4	2.2%
46.9%	11818.3	11995.5	177.2	1.5%
48.1%	11639.9	11814.1	174.2	1.5%
49.4%	11402.2	11780.1	377.9	3.3%
50.6%	11293.7	11724.0	430.4	3.8%
51.9%	11152.7	11618.1	465.4	4.2%
53.1%	11135.2	11282.2	147.0	1.3%
54.3%	10926.7	11112.4	185.7	1.7%
55.6%	10889.6	11014.7	125.1	1.1%
56.8%	10755.9	10937.3	181.4	1.7%
58.0%	10462.4	10861.8	399.3	3.8%
59.3%	10450.8	10741.3	290.5	2.8%
60.5%	9947.9	10736.1	788.1	7.9%
61.7%	9689.8	10667.4	977.5	10.1%
63.0%	9252.0	10544.1	1292.2	14.0%
64.2%	8752.3	10284.4	1532.1	17.5%
65.4%	8423.0	9716.9	1293.9	15.4%
66.7%	8077.6	9293.3	1215.6	15.0%
67.9%	7738.9	9009.7	1270.9	16.4%
69.1%	7541.4	8236.9	695.5	9.2%
70.4%	6474.3	6942.5	468.1	7.2%
71.6%	5690.3	6686.0	995.7	17.5%
72.8%	4704.9	5767.1	1062.2	22.6%
74.1%	4073.0	4760.3	687.3	16.9%
75.3%	3675.9	3933.0	257.2	7.0%
76.5%	3110.8	3907.8	797.0	25.6%
77.8%	3043.9	3577.0	533.0	17.5%
79.0%	3033.2	3169.7	136.5	4.5%
80.2%	2947.6	2963.0	15.4	0.5%
81.5%	2838.5	2958.1	119.6	4.2%
82.7%	2493.5	2888.3	394.8	15.8%
84.0%	2069.4	2338.0	268.5	13.0%
85.2%	1950.9	2243.5	292.6	15.0%
86.4%	1857.9	2229.3	371.4	20.0%
87.7%	1240.8	1363.7	122.9	9.9%
88.9%	1056.0	1078.5	22.5	2.1%
90.1%	821.7	906.8	85.2	10.4%
91.4%	811.4	732.0	-79.4	-9.8%
92.6%	556.0	556.7	0.7	0.1%
93.8%	331.2	340.1	8.9	
95.1%	251.7	254.7	3.0	
96.3%	229.2	238.2	8.9	
97.5%	224.8	224.1	-0.7	
98.8%	206.4	208.3	2.0	
100.0%	188.7	188.8	0.1	

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	17685.8	18139.6	453.8	2.6%
1.2%	17504.4	17442.4	-61.9	-0.4%
2.5%	16722.0	16672.7	-49.3	-0.3%
3.7%	15909.1	15568.2	-340.9	-2.1%
4.9%	15549.0	15040.0	-509.0	-3.3%
6.2%	14424.0	14495.1	71.1	0.5%
7.4%	14247.1	14359.5	112.3	0.8%
8.6%	14155.8	14212.9	57.2	0.4%
9.9%	14124.4	14124.6	0.2	0.0%
11.1%	14076.3	13953.5	-122.8	-0.9%
12.3%	13845.6	13951.9	106.3	0.8%
13.6%	13629.4	13772.2	142.9	1.0%
14.8%	13565.6	13656.7	91.1	0.7%
16.0%	13256.2	13474.4	218.2	1.6%
17.3%	12897.0	13280.3	383.3	3.0%
18.5%	12805.5	13213.4	407.9	3.2%
19.8%	12564.3	13147.7	583.4	4.6%
21.0%	12530.2	12809.4	279.1	2.2%
22.2%	12482.2	12518.0	35.8	0.3%
23.5%	12438.5	12498.8	60.3	0.5%
24.7%	12197.8	12456.4	258.6	2.1%
25.9%	12020.3	12414.7	394.5	3.3%
27.2%	11880.7	12075.7	195.0	1.6%
28.4%	11774.5	12055.0	280.5	2.4%
29.6%	11381.3	12029.9	648.6	5.7%
30.9%	11201.0	11384.6	183.6	1.6%
32.1%	10279.2	11308.8	1029.6	10.0%
33.3%	9835.7	11191.1	1355.4	13.8%
34.6%	7984.4	9624.7	1640.4	20.5%
35.8%	7798.5	9465.5	1667.0	21.4%
37.0%	7208.8	8727.7	1518.9	21.1%
38.3%	7145.7	8690.2	1544.5	21.6%
39.5%	7138.2	8623.2	1485.0	20.8%
40.7%	6750.0	8063.2	1313.2	19.5%
42.0%	6505.0	7933.0	1428.0	22.0%
43.2%	6342.0	7440.2	1098.1	17.3%
44.4%	6151.1	7425.9	1274.8	20.7%
45.7%	5632.6	6977.7	1345.1	23.9%
46.9%	5628.3	6899.5	1271.2	22.6%
48.1%	5496.7	6400.3	903.6	16.4%
49.4%	5443.4	6288.1	844.7	15.5%
50.6%	4891.7	6284.1	1392.4	28.5%
51.9%	4704.4	5875.2	1170.7	24.9%
53.1%	4297.0	5723.0	1425.9	33.2%
54.3%	4291.7	5430.9	1139.2	26.5%
55.6%	3887.0	4875.7	988.7	25.4%
56.8%	3886.9	4381.2	494.3	12.7%
58.0%	2926.7	3760.6	833.9	28.5%
59.3%	2862.0	3628.0	766.0	26.8%
60.5%	2259.5	3199.4	939.9	41.6%
61.7%	1685.6	2056.0	370.3	22.0%
63.0%	1425.2	1840.0	414.9	29.1%
64.2%	1292.4	1767.5	475.1	36.8%
65.4%	1031.5	1208.6	177.1	17.2%
66.7%	969.0	1203.8	234.8	24.2%
67.9%	949.1	1155.0	205.9	21.7%
69.1%	902.5	1085.8	183.3	20.3%
70.4%	825.9	1054.5	228.6	27.7%
71.6%	654.0	810.8	156.8	24.0%
72.8%	622.1	670.3	48.2	7.7%
74.1%	565.1	664.0	98.9	17.5%
75.3%	543.8	609.7	66.0	12.1%
76.5%	464.4	497.3	32.9	7.1%
77.8%	425.2	475.5	50.3	11.8%
79.0%	378.2	446.8	68.6	18.1%
80.2%	360.6	376.8	16.2	4.5%
81.5%	346.5	362.5	16.0	4.6%
82.7%	330.6	345.2	14.5	4.4%
84.0%	321.2	329.8	8.6	2.7%
85.2%	313.9	314.6	0.7	0.2%
86.4%	281.0	302.2	21.2	
87.7%	267.3	271.9	4.6	
88.9%	262.4	265.0	2.6	
90.1%	231.9	236.0	4.1	
91.4%	230.6	232.9	2.2	
92.6%	230.3	232.1	1.9	
93.8%	211.9	216.8	4.9	
95.1%	198.7	198.9	0.2	
96.3%	195.5	196.8	1.4	
97.5%	192.5	194.3	1.8	
98.8%	192.4	193.4	1.0	
100.0%	191.1	191.2	0.0	

Table SQ-24-b

Sacramento River at Port Chicago (Roe Island), Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	15791.2	15295.1	-496.0	-3.1%
1.2%	14283.2	13930.2	-353.0	-2.5%
2.5%	12131.3	12281.7	150.4	1.2%
3.7%	11188.2	12270.2	1082.0	9.7%
4.9%	10816.2	10787.9	-28.3	-0.3%
6.2%	10792.3	10573.8	-218.5	-2.0%
7.4%	9096.8	9899.3	802.5	8.8%
8.6%	8926.5	9779.9	853.5	9.6%
9.9%	8889.9	9404.8	514.9	5.8%
11.1%	8409.3	8980.6	571.3	6.8%
12.3%	8126.1	8883.9	757.8	9.3%
13.6%	8069.5	8835.9	766.4	9.5%
14.8%	7398.0	8555.8	1157.8	15.7%
16.0%	6140.1	7247.3	1107.2	18.0%
17.3%	4943.6	6313.5	1369.9	27.7%
18.5%	4736.4	6112.8	1376.4	29.1%
19.8%	4725.8	5558.2	832.3	17.6%
21.0%	4687.5	5502.6	815.1	17.4%
22.2%	4368.7	5454.2	1085.5	24.8%
23.5%	4141.6	5018.5	876.8	21.2%
24.7%	4037.8	4768.9	731.1	18.1%
25.9%	4033.6	4431.6	398.0	9.9%
27.2%	3920.1	4430.8	510.8	13.0%
28.4%	3555.2	4329.1	773.9	21.8%
29.6%	3539.8	4129.1	589.3	16.6%
30.9%	3287.8	4063.3	775.5	23.6%
32.1%	3260.0	3978.1	718.1	22.0%
33.3%	2835.0	3762.4	927.4	32.7%
34.6%	2829.6	3226.2	396.6	14.0%
35.8%	2741.4	3201.3	459.9	16.8%
37.0%	2698.0	3198.6	500.6	18.6%
38.3%	2448.2	2884.8	436.6	17.8%
39.5%	2276.2	2881.5	605.3	26.6%
40.7%	2108.5	2297.5	189.0	9.0%
42.0%	2044.2	2112.2	68.0	3.3%
43.2%	1866.5	1886.0	19.5	1.0%
44.4%	1662.0	1873.1	211.1	12.7%
45.7%	1604.9	1793.2	188.2	11.7%
46.9%	1471.5	1740.9	269.4	18.3%
48.1%	1407.8	1661.6	253.9	18.0%
49.4%	1343.7	1549.9	206.2	15.3%
50.6%	1251.8	1534.8	282.9	22.6%
51.9%	1229.9	1527.0	297.1	24.2%
53.1%	1207.7	1466.5	258.8	21.4%
54.3%	1192.6	1441.0	248.4	20.8%
55.6%	1163.2	1406.4	243.2	20.9%
56.8%	1135.4	1367.6	232.2	20.5%
58.0%	1007.0	1199.7	192.8	19.1%
59.3%	647.8	687.3	39.6	6.1%
60.5%	592.5	682.7	90.2	15.2%
61.7%	557.9	681.4	123.5	22.1%
63.0%	552.4	622.1	69.7	12.6%
64.2%	552.0	593.7	41.7	7.6%
65.4%	548.8	553.0	4.2	0.8%
66.7%	545.4	551.9	6.4	1.2%
67.9%	379.0	390.1	11.1	2.9%
69.1%	341.7	345.9	4.2	1.2%
70.4%	330.9	345.7	14.9	4.5%
71.6%	293.9	337.1	43.3	14.7%
72.8%	284.4	302.5	18.1	6.4%
74.1%	274.3	293.3	19.0	6.9%
75.3%	259.5	268.9	9.4	3.6%
76.5%	247.5	249.5	2.0	0.8%
77.8%	243.6	247.5	3.9	1.6%
79.0%	234.3	229.8	-4.5	-1.9%
80.2%	221.5	227.6	6.1	2.7%
81.5%	220.3	224.9	4.6	2.1%
82.7%	219.7	224.6	4.9	2.2%
84.0%	215.5	222.3	6.9	3.2%
85.2%	214.1	218.3	4.2	2.0%
86.4%	208.7	209.7	0.9	0.5%
87.7%	208.6	209.1	0.5	0.2%
88.9%	207.9	208.9	1.0	0.5%
90.1%	207.8	208.6	0.7	0.4%
91.4%	207.6	208.0	0.4	0.2%
92.6%	205.6	205.6	0.0	0.0%
93.8%	203.8	203.9	0.0	0.0%
95.1%	202.6	203.3	0.7	0.3%
96.3%	198.5	202.3	3.7	1.9%
97.5%	198.0	202.0	4.0	2.0%
98.8%	197.2	199.1	1.9	1.0%
100.0%	185.3	185.4	0.0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	12354.4	12106.7	-247.7	-2.0%
1.2%	9755.9	10163.6	407.7	4.2%
2.5%	8486.7	8876.0	389.3	4.6%
3.7%	8096.2	8861.6	765.4	9.5%
4.9%	7444.1	8510.8	1066.7	14.3%
6.2%	7416.3	8117.2	700.8	9.4%
7.4%	7378.6	8075.1	696.5	9.4%
8.6%	7210.2	7880.8	670.6	9.3%
9.9%	7206.0	7651.6	445.6	6.2%
11.1%	7178.5	7443.2	264.7	3.7%
12.3%	7072.9	7312.6	239.7	3.4%
13.6%	6978.8	7223.4	244.5	3.5%
14.8%	6945.8	6837.0	-108.7	-1.6%
16.0%	6132.5	6602.6	470.1	7.7%
17.3%	5332.0	5767.7	435.7	8.2%
18.5%	4729.7	5339.2	609.4	12.9%
19.8%	4721.0	5255.2	534.2	11.3%
21.0%	4622.0	4890.0	268.0	5.8%
22.2%	4240.0	4788.8	548.8	12.9%
23.5%	4229.1	4580.4	351.3	8.3%
24.7%	4197.2	4532.4	335.2	8.0%
25.9%	4001.0	4220.8	219.7	5.5%
27.2%	3903.2	4120.9	217.7	5.6%
28.4%	3718.1	4007.2	289.2	7.8%
29.6%	3514.1	3907.1	393.0	11.2%
30.9%	3251.6	3706.4	454.8	14.0%
32.1%	3218.0	3701.0	483.0	15.0%
33.3%	3207.3	3700.5	493.2	15.4%
34.6%	3150.9	3653.9	503.1	16.0%
35.8%	3043.3	3565.5	522.2	17.2%
37.0%	2850.3	3457.7	607.5	21.3%
38.3%	2827.9	3451.9	624.0	22.1%
39.5%	2766.4	3349.3	582.9	21.1%
40.7%	2634.9	3101.7	466.8	17.7%
42.0%	2445.0	3088.9	643.8	26.3%
43.2%	2368.7	2980.5	611.8	25.8%
44.4%	2365.8	2908.7	542.9	22.9%
45.7%	2214.3	2854.1	639.8	28.9%
46.9%	2172.7	2821.6	648.8	29.9%
48.1%	1937.4	2440.6	503.2	26.0%
49.4%	1483.1	1996.6	513.5	34.6%
50.6%	1474.1	1930.6	456.5	31.0%
51.9%	1341.6	1619.8	278.2	20.7%
53.1%	1257.0	1474.9	217.9	17.3%
54.3%	1214.1	1347.2	133.1	11.0%
55.6%	1029.7	1287.1	257.4	25.0%
56.8%	1013.7	1268.0	254.3	25.1%
58.0%	919.8	1140.5	220.7	24.0%
59.3%	915.0	1117.0	202.0	22.1%
60.5%	910.0	1087.6	177.6	19.5%
61.7%	809.9	1012.9	203.0	25.1%
63.0%	760.5	813.4	52.9	7.0%
64.2%	731.1	739.7	8.7	1.2%
65.4%	575.8	583.4	7.6	1.3%
66.7%	548.1	573.5	25.4	4.6%
67.9%	532.6	567.0	34.4	6.5%
69.1%	494.6	560.5	65.9	13.3%
70.4%	452.1	508.9	56.8	12.6%
71.6%	397.3	431.2	33.9	8.5%
72.8%	361.4	397.1	35.7	9.9%
74.1%	357.2	383.1	25.8	7.2%
75.3%	338.2	358.1	20.0	5.9%
76.5%	281.6	281.6	0.0	0.0%
77.8%	266.0	272.9	6.9	2.6%
79.0%	256.7	259.2	2.5	1.0%
80.2%	252.4	256.8	4.4	1.7%
81.5%	251.8	253.5	1.8	0.7%
82.7%	240.5	244.1	3.6	1.5%
84.0%	238.3	238.5	0.2	0.1%
85.2%	234.7	235.2	0.5	0.2%
86.4%	232.6	233.9	1.3	0.5%
87.7%	231.7	232.1	0.4	0.2%
88.9%	230.9	231.6	0.7	0.3%
90.1%	225.9	230.6	4.7	2.1%
91.4%	218.1	218.3	0.2	0.1%
92.6%	203.6	206.4	2.9	1.4%
93.8%	201.3	201.2	0.0	0.0%
95.1%	199.4	199.5	0.0	0.0%
96.3%	196.2	197.2	1.0	0.5%
97.5%	194.8	197.1	2.3	1.2%
98.8%	194.4	194.4	0.0	0.0%
100.0%	192.3	193.0	0.7	0.3%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	12768.7	12692.3	-76.4	-0.6%
1.2%	11457.1	11491.6	34.5	0.3%
2.5%	10941.9	10779.8	-162.1	-1.5%
3.7%	10535.2	10479.7	-55.5	-0.5%
4.9%	10266.3	10225.0	-41.3	-0.4%
6.2%	9255.1	9007.3	-247.8	-2.7%
7.4%	9061.4	8940.4	-120.9	-1.3%
8.6%	8906.9	8850.7	-56.2	-0.6%
9.9%	8290.7	8438.0	147.3	1.8%
11.1%	8090.5	8363.4	272.9	3.4%
12.3%	8035.2	8279.8	244.5	3.0%
13.6%	7928.4	8213.9	285.5	3.6%
14.8%	7917.7	7988.4	70.7	0.9%
16.0%	7188.3	7561.4	373.0	5.2%
17.3%	7094.3	7053.9	-40.4	-0.6%
18.5%	6859.2	6855.9	-3.3	0.0%
19.8%	6806.9	6838.5	31.6	0.5%
21.0%	6382.8	6577.4	194.6	3.0%
22.2%	6252.5	6396.7	144.2	2.3%
23.5%	6048.1	6088.5	40.4	0.7%
24.7%	5764.0	5849.5	85.4	1.5%
25.9%	5688.5	5811.9	123.4	2.2%
27.2%	5357.7	5524.6	166.9	3.1%
28.4%	5354.8	5487.5	132.7	2.5%
29.6%	5311.5	5356.3	44.7	0.8%
30.9%	5283.4	5261.1	-22.4	-0.4%
32.1%	5026.3	4969.4	-56.8	-1.1%
33.3%	4957.2	4922.0	-35.2	-0.7%
34.6%	4899.3	4897.0	-2.3	0.0%
35.8%	4768.0	4861.8	93.7	2.0%
37.0%	4536.1	4776.3	240.2	5.3%
38.3%	4461.3	4740.0	278.7	6.2%
39.5%	4370.5	4662.7	292.2	6.7%
40.7%	4302.2	4526.7	224.5	5.2%
42.0%	4265.7	4400.0	134.3	3.1%
43.2%	4220.5	4247.3	26.8	0.6%
44.4%	4052.0	4226.7	174.7	4.3%
45.7%	4020.4	4141.1	120.7	3.0%
46.9%	3946.6	4095.6	149.1	3.8%
48.1%	3776.2	4024.2	248.1	6.6%
49.4%	3525.3	3899.6	374.3	10.6%
50.6%	3237.2	3329.8	92.6	2.9%
51.9%	3114.0	3128.6	14.5	0.5%
53.1%	3003.1	3020.1	17.0	0.6%
54.3%	2939.8	3018.8	79.0	2.7%
55.6%	2845.7	2802.4	-43.3	-1.5%
56.8%	2551.0	2765.7	214.6	8.4%
58.0%	2547.0	2590.4	43.4	1.7%
59.3%	2149.6	2554.1	404.5	18.8%
60.5%	2133.5	2316.5	183.0	8.6%
61.7%	2058.3	2157.3	99.0	4.8%
63.0%	2012.6	2156.5	143.8	7.1%
64.2%	1985.8	2034.3	48.5	2.4%
65.4%	1771.0	2017.6	246.6	13.9%
66.7%	1705.9	1781.3	75.4	4.4%
67.9%	1419.7	1709.0	289.2	20.4%
69.1%	1294.3	1471.2	176.8	13.7%
70.4%	1291.1	1347.6	56.6	4.4%
71.6%	1286.8	1288.4	1.6	0.1%
72.8%	1216.8	1243.1	26.3	2.2%
74.1%	1203.0	1241.5	38.5	3.2%
75.3%	1014.6	1022.0	7.3	0.7%
76.5%	964.5	971.9	7.4	0.8%
77.8%	672.5	672.7	0.2	0.0%
79.0%	644.0	642.4	-1.6	-0.2%
80.2%	573.2	638.4	65.2	11.4%
81.5%	567.4	585.5	18.1	3.2%
82.7%	518.4	577.6	59.1	11.4%
84.0%	449.3	451.4	2.1	0.5%
85.2%	391.3	426.6	35.3	9.0%
86.4%	349.1	365.5	16.4	4.7%
87.7%	341.1	349.9	8.8	2.6%
88.9%	298.4	315.6	17.2	5.8%
90.1%	283.3	306.6	23.3	8.2%
91.4%	280.3	283.5	3.2	1.1%
92.6%	264.7	282.0	17.3	6.5%
93.8%	263.9	263.8	-0.1	0.0%
95.1%	255.5	261.4	6.0	2.3%
96.3%	249.0	249.0	0.0	0.0%
97.5%	234.2	234.1	-0.1	-0.1%
98.8%	192.6	193.1	0.5	
100.0%	190.1	190.8	0.7	

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	14922.7	14887.6	-35.0	-0.2%
1.2%	14711.3	14687.8	-23.5	-0.2%
2.5%	14339.9	14335.0	-5.0	0.0%
3.7%	12492.6	12339.6	-153.0	-1.2%
4.9%	12333.7	11951.6	-382.1	-3.1%
6.2%	11436.7	11412.4	-24.3	-0.2%
7.4%	11390.4	11376.4	-14.0	-0.1%
8.6%	11226.5	11118.0	-108.5	-1.0%
9.9%	11030.5	11018.7	-11.8	-0.1%
11.1%	10989.7	10909.2	-80.5	-0.7%
12.3%	10843.5	10797.0	-46.5	-0.4%
13.6%	10772.4	10706.4	-66.0	-0.6%
14.8%	10442.6	10313.7	-128.9	-1.2%
16.0%	10290.0	10283.2	-6.9	-0.1%
17.3%	10147.3	10067.4	-79.9	-0.8%
18.5%	10137.4	10029.1	-108.3	-1.1%
19.8%	9835.7	9801.8	-33.9	-0.3%
21.0%	9812.4	9581.5	-230.9	-2.4%
22.2%	9670.3	9579.7	-90.6	-0.9%
23.5%	9626.1	9502.3	-123.8	-1.3%
24.7%	9562.5	9251.2	-311.3	-3.3%
25.9%	9442.3	9234.2	-208.0	-2.2%
27.2%	9243.3	8996.3	-247.0	-2.7%
28.4%	9141.9	8923.6	-218.4	-2.4%
29.6%	9005.5	8823.6	-181.9	-2.0%
30.9%	8757.7	8623.6	-134.1	-1.5%
32.1%	8544.2	8484.3	-59.9	-0.7%
33.3%	8484.8	8347.0	-137.8	-1.6%
34.6%	8275.6	8293.2	17.6	0.2%
35.8%	8152.9	8208.7	55.9	0.7%
37.0%	7885.8	7875.1	-10.8	-0.1%
38.3%	7841.3	7855.0	13.7	0.2%
39.5%	7575.7	7572.6	-3.1	0.0%
40.7%	7498.6	7552.8	54.2	0.7%
42.0%	7216.8	7507.4	290.7	4.0%
43.2%	6949.6	7420.7	471.0	6.8%
44.4%	6666.9	7268.8	601.9	9.0%
45.7%	6658.0	6980.9	322.9	4.8%
46.9%	6607.5	6757.3	149.8	2.3%
48.1%	6369.8	6425.5	55.7	0.9%
49.4%	6294.4	6178.3	-116.1	-1.8%
50.6%	6110.1	6151.7	41.7	0.7%
51.9%	6039.7	6113.8	74.0	1.2%
53.1%	5912.6	5934.0	21.4	0.4%
54.3%	5888.5	5888.3	-0.2	0.0%
55.6%	5866.2	5815.0	-51.2	-0.9%
56.8%	5859.6	5750.5	-109.1	-1.9%
58.0%	5719.7	5497.6	-222.1	-3.9%
59.3%	5571.8	5317.0	-254.8	-4.6%
60.5%	5280.3	5293.7	13.4	0.3%
61.7%	5241.5	5258.6	17.1	0.3%
63.0%	5047.1	5125.8	78.7	1.6%
64.2%	4872.8	5014.3	141.5	2.9%
65.4%	4840.6	4882.9	42.3	0.9%
66.7%	4709.0	4841.0	132.0	2.8%
67.9%	4566.8	4633.9	67.1	1.5%
69.1%	4390.3	4462.9	72.6	1.7%
70.4%	4232.8	4222.0	-10.9	-0.3%
71.6%	4020.1	4118.0	97.9	2.4%
72.8%	3842.4	3849.8	7.4	0.2%
74.1%	3555.4	3588.5	33.0	0.9%
75.3%	3533.2	3528.7	-4.5	-0.1%
76.5%	3267.1	3289.2	22.1	0.7%
77.8%	2519.1	2768.7	249.6	9.9%
79.0%	2456.6	2674.7	218.2	8.9%
80.2%	2153.6	2366.5	212.9	9.9%
81.5%	1981.2	2193.5	212.4	10.7%
82.7%	1926.5	2168.8	242.4	12.6%
84.0%	1784.6	2002.6	218.0	12.2%
85.2%	1627.5	1641.6	14.2	0.9%
86.4%	1458.6	1470.0	11.4	0.8%
87.7%	1325.6	1378.8	53.2	4.0%
88.9%	1212.6	1229.0	16.4	1.3%
90.1%	1160.1	1175.3	15.2	1.3%
91.4%	1129.6	1149.5	19.9	1.8%
92.6%	1067.9	1060.0	-7.9	-0.7%
93.8%	931.1	934.2	3.2	0.3%
95.1%	711.4	716.9	5.5	0.8%
96.3%	573.7	575.6	2.0	0.3%
97.5%	567.7	575.4	7.7	1.4%
98.8%	318.7	320.0	1.3	
100.0%	283.0	292.7	9.8	

Table SQ-24-b

Sacramento River at Port Chicago (Roe Island), Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	17200.3	17185.5	-14.8	-0.1%
1.2%	16975.1	16756.1	-219.1	-1.3%
2.5%	16929.3	15870.9	-1058.4	-6.3%
3.7%	15909.9	15678.3	-231.5	-1.5%
4.9%	13124.4	13191.7	67.3	0.5%
6.2%	13100.3	13102.8	2.5	0.0%
7.4%	13078.0	13076.9	-1.1	0.0%
8.6%	12946.8	12583.6	-363.2	-2.8%
9.9%	12889.8	12484.1	-405.8	-3.1%
11.1%	12761.6	12423.1	-338.5	-2.7%
12.3%	12654.3	12267.2	-387.1	-3.1%
13.6%	12482.2	12149.6	-332.6	-2.7%
14.8%	12470.4	12086.1	-384.3	-3.1%
16.0%	12441.7	12009.7	-432.0	-3.5%
17.3%	12419.0	11970.2	-448.8	-3.6%
18.5%	12298.3	11951.1	-347.1	-2.8%
19.8%	12225.7	11916.8	-308.9	-2.5%
21.0%	12111.2	11751.4	-359.8	-3.0%
22.2%	12051.9	11744.8	-307.1	-2.5%
23.5%	11959.0	11741.7	-217.3	-1.8%
24.7%	11908.4	11678.0	-230.4	-1.9%
25.9%	11866.8	11574.9	-291.9	-2.5%
27.2%	11862.2	11559.5	-302.6	-2.6%
28.4%	11795.1	11495.3	-299.8	-2.5%
29.6%	11643.5	11467.1	-176.4	-1.5%
30.9%	11525.2	11458.9	-66.3	-0.6%
32.1%	11499.5	11400.3	-99.2	-0.9%
33.3%	11445.3	11384.5	-60.8	-0.5%
34.6%	11436.3	11380.8	-55.5	-0.5%
35.8%	11397.0	11373.5	-23.5	-0.2%
37.0%	11385.9	11361.2	-24.8	-0.2%
38.3%	11373.6	11155.9	-217.7	-1.9%
39.5%	11216.0	11135.2	-80.8	-0.7%
40.7%	11142.9	11072.6	-70.4	-0.6%
42.0%	11071.9	11047.4	-24.5	-0.2%
43.2%	10972.3	10903.8	-68.5	-0.6%
44.4%	10903.8	10833.0	-70.8	-0.6%
45.7%	10806.4	10557.5	-248.9	-2.3%
46.9%	10619.5	10551.5	-68.0	-0.6%
48.1%	10565.5	10534.9	-30.6	-0.3%
49.4%	10547.4	10504.3	-43.2	-0.4%
50.6%	10491.3	10451.8	-39.5	-0.4%
51.9%	10442.6	10449.9	7.3	0.1%
53.1%	10438.4	10373.3	-65.2	-0.6%
54.3%	10342.6	10326.6	-16.0	-0.2%
55.6%	10298.4	10325.8	27.4	0.3%
56.8%	10271.7	10282.8	11.0	0.1%
58.0%	10251.4	10262.6	11.2	0.1%
59.3%	10221.7	10255.0	33.3	0.3%
60.5%	10200.2	10058.6	-141.6	-1.4%
61.7%	10160.5	9969.9	-190.6	-1.9%
63.0%	10138.5	9963.9	-174.6	-1.7%
64.2%	10057.7	9960.0	-97.7	-1.0%
65.4%	10046.0	9911.3	-134.7	-1.3%
66.7%	9933.6	9832.9	-100.7	-1.0%
67.9%	9757.8	9806.3	48.5	0.5%
69.1%	9634.1	9625.6	-8.5	-0.1%
70.4%	9589.0	9568.9	-20.2	-0.2%
71.6%	9548.1	9550.5	2.3	0.0%
72.8%	9300.3	9384.6	84.3	0.9%
74.1%	8678.8	8695.1	16.2	0.2%
75.3%	8465.0	8432.2	-32.8	-0.4%
76.5%	8225.1	8185.6	-39.5	-0.5%
77.8%	7797.8	7863.0	65.1	0.8%
79.0%	7758.5	7658.6	-99.9	-1.3%
80.2%	7728.2	7472.0	-256.2	-3.3%
81.5%	7688.2	7299.6	-388.6	-5.1%
82.7%	7373.3	7236.2	-137.1	-1.9%
84.0%	7326.5	7102.5	-224.0	-3.1%
85.2%	7263.6	7066.5	-197.1	-2.7%
86.4%	7049.0	7020.9	-28.1	-0.4%
87.7%	6646.3	6531.0	-115.3	-1.7%
88.9%	6606.0	6440.4	-165.6	-2.5%
90.1%	6562.1	6366.1	-196.0	-3.0%
91.4%	5303.7	6269.8	966.0	18.2%
92.6%	5045.9	4814.7	-231.2	-4.6%
93.8%	4622.3	4628.8	6.5	0.1%
95.1%	4177.2	4062.6	-114.6	-2.7%
96.3%	3549.7	3451.0	-98.6	-2.8%
97.5%	3472.6	3324.7	-147.8	-4.3%
98.8%	1624.8	1265.6	-359.2	-22.1%
100.0%	856.3	822.9	-33.3	-3.9%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	18113.1	18128.1	15.0	0.1%
1.2%	18001.8	17757.5	-244.3	-1.4%
2.5%	17997.6	17184.4	-813.3	-4.5%
3.7%	17249.4	16722.2	-527.2	-3.1%
4.9%	15361.3	15350.9	-10.5	-0.1%
6.2%	15321.5	15305.8	-15.7	-0.1%
7.4%	15303.4	15142.9	-160.5	-1.0%
8.6%	15278.9	14916.2	-362.7	-2.4%
9.9%	15248.9	14911.1	-337.8	-2.2%
11.1%	15100.8	14392.2	-708.6	-4.7%
12.3%	15090.7	14327.8	-762.9	-5.1%
13.6%	14921.4	14316.6	-604.9	-4.1%
14.8%	14501.5	14302.7	-198.8	-1.4%
16.0%	14404.2	14202.7	-201.5	-1.4%
17.3%	14365.7	14153.4	-212.3	-1.5%
18.5%	14334.5	14113.2	-221.3	-1.5%
19.8%	14305.8	14100.2	-205.6	-1.4%
21.0%	14183.5	14048.3	-135.2	-1.0%
22.2%	14139.8	14015.3	-124.6	-0.9%
23.5%	14129.9	13914.7	-215.3	-1.5%
24.7%	14055.1	13901.9	-153.2	-1.1%
25.9%	14047.5	13857.9	-189.7	-1.4%
27.2%	13880.3	13811.1	-69.1	-0.5%
28.4%	13869.8	13676.2	-193.6	-1.4%
29.6%	13828.5	13638.3	-190.2	-1.4%
30.9%	13799.6	13455.2	-344.4	-2.5%
32.1%	13499.1	13357.9	-141.2	-1.0%
33.3%	13356.2	12958.7	-397.5	-3.0%
34.6%	12243.3	12162.1	-81.2	-0.7%
35.8%	12176.2	12093.4	-82.8	-0.7%
37.0%	12109.2	12091.3	-17.8	-0.1%
38.3%	12096.1	12080.9	-15.1	-0.1%
39.5%	11972.1	11895.4	-76.7	-0.6%
40.7%	11852.3	11715.0	-137.3	-1.2%
42.0%	11737.9	11688.6	-49.3	-0.4%
43.2%	11729.7	11680.8	-48.9	-0.4%
44.4%	11713.9	11667.8	-46.1	-0.4%
45.7%	11694.5	11641.1	-53.4	-0.5%
46.9%	11623.4	11609.6	-13.9	-0.1%
48.1%	11490.3	11471.2	-19.2	-0.2%
49.4%	11418.6	11471.0	52.4	0.5%
50.6%	11385.8	11382.3	-3.5	0.0%
51.9%	11373.5	11274.3	-99.3	-0.9%
53.1%	11194.0	11095.2	-98.8	-0.9%
54.3%	10919.4	10926.1	6.7	0.1%
55.6%	10910.4	10902.1	-8.3	-0.1%
56.8%	10758.8	10878.5	119.7	1.1%
58.0%	10460.0	10414.8	-45.2	-0.4%
59.3%	10429.3	10305.6	-123.7	-1.2%
60.5%	10428.8	10180.8	-248.0	-2.4%
61.7%	10283.4	10179.9	-103.6	-1.0%
63.0%	10168.9	10111.6	-57.3	-0.6%
64.2%	10081.8	10045.7	-36.1	-0.4%
65.4%	10062.3	10038.5	-23.8	-0.2%
66.7%	10059.2	10001.2	-58.0	-0.6%
67.9%	9979.8	9984.5	4.7	0.0%
69.1%	9968.8	9971.6	2.9	0.0%
70.4%	9866.4	9923.6	57.1	0.6%
71.6%	9831.4	9884.2	52.8	0.5%
72.8%	9829.9	9883.9	54.0	0.5%
74.1%	9730.7	9740.5	9.8	0.1%
75.3%	9729.2	9735.3	6.1	0.1%
76.5%	9693.5	9730.8	37.3	0.4%
77.8%	9675.8	9698.5	22.7	0.2%
79.0%	9631.1	9645.9	14.8	0.2%
80.2%	9540.4	9537.1	-3.3	0.0%
81.5%	9508.8	9362.1	-146.7	-1.5%
82.7%	9390.4	9304.5	-85.9	-0.9%
84.0%	9314.3	9301.0	-13.3	-0.1%
85.2%	9298.2	9297.3	-0.9	0.0%
86.4%	9188.1	9179.8	-8.3	-0.1%
87.7%	9146.3	9096.2	-50.1	-0.5%
88.9%	9142.3	9041.4	-100.9	-1.1%
90.1%	9025.5	8682.0	-343.5	-3.8%
91.4%	8817.8	8672.1	-145.7	-1.7%
92.6%	8653.3	8656.1	2.8	0.0%
93.8%	8628.5	8407.5	-221.0	-2.6%
95.1%	8462.8	8384.8	-78.0	-0.9%
96.3%	8272.3	8336.9	64.6	0.8%
97.5%	7483.4	7663.1	179.7	2.4%
98.8%	7368.7	6873.6	-495.2	-6.7%
100.0%	6,373.0	6,339.2	-33.8	-0.5%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	18449.5	18489.5	40.0	0.2%
1.2%	18292.9	18229.3	-63.6	-0.3%
2.5%	18219.6	17705.7	-513.9	-2.8%
3.7%	17596.9	17546.9	-50.0	-0.3%
4.9%	17557.8	17503.2	-54.7	-0.3%
6.2%	17331.6	17358.6	27.0	0.2%
7.4%	17326.1	17323.0	-3.1	0.0%
8.6%	17317.8	17135.6	-182.2	-1.1%
9.9%	17283.8	17134.0	-149.8	-0.9%
11.1%	17266.4	17009.5	-257.0	-1.5%
12.3%	17227.7	16642.8	-584.9	-3.4%
13.6%	16684.7	16455.4	-229.3	-1.4%
14.8%	16590.0	16411.5	-178.5	-1.1%
16.0%	16436.5	16343.5	-93.0	-0.6%
17.3%	16433.4	16296.9	-136.5	-0.8%
18.5%	16424.7	16223.0	-201.7	-1.2%
19.8%	16412.4	16159.4	-253.0	-1.5%
21.0%	16383.0	15956.3	-426.7	-2.6%
22.2%	16370.2	15942.9	-427.2	-2.6%
23.5%	16297.3	15923.2	-374.1	-2.3%
24.7%	16066.9	15912.4	-154.5	-1.0%
25.9%	16015.4	15884.3	-131.1	-0.8%
27.2%	15979.4	15858.0	-121.4	-0.8%
28.4%	15915.8	15817.8	-98.0	-0.6%
29.6%	15746.8	15509.1	-237.7	-1.5%
30.9%	15670.7	15421.5	-249.2	-1.6%
32.1%	15419.3	15338.5	-80.8	-0.5%
33.3%	15343.4	15338.1	-5.4	0.0%
34.6%	14836.0	14433.0	-403.0	-2.7%
35.8%	14438.0	14376.6	-61.4	-0.4%
37.0%	14282.6	14254.6	-28.1	-0.2%
38.3%	14238.3	14199.8	-38.5	-0.3%
39.5%	14223.5	14198.0	-25.5	-0.2%
40.7%	14202.1	14137.9	-64.2	-0.5%
42.0%	14182.1	14103.9	-78.1	-0.6%
43.2%	14182.0	14059.6	-122.4	-0.9%
44.4%	14176.7	14048.3	-128.4	-0.9%
45.7%	14134.2	14046.3	-87.9	-0.6%
46.9%	14090.3	14005.9	-84.4	-0.6%
48.1%	14057.8	13985.8	-72.1	-0.5%
49.4%	14033.7	13982.6	-51.1	-0.4%
50.6%	14007.5	13981.0	-26.5	-0.2%
51.9%	13915.0	13920.5	5.5	0.0%
53.1%	13901.3	13904.7	3.5	0.0%
54.3%	13899.6	13871.1	-28.5	-0.2%
55.6%	13815.9	13843.0	27.1	0.2%
56.8%	13798.9	13833.9	35.1	0.3%
58.0%	13793.5	13819.2	25.7	0.2%
59.3%	13782.3	13671.5	-110.8	-0.8%
60.5%	13754.6	13604.5	-150.1	-1.1%
61.7%	13732.5	13597.6	-134.9	-1.0%
63.0%	13650.1	13584.5	-65.7	-0.5%
64.2%	13494.3	13569.1	74.9	0.6%
65.4%	13455.9	13458.0	2.1	0.0%
66.7%	13451.7	13434.6	-17.1	-0.1%
67.9%	13405.1	13304.3	-100.8	-0.8%
69.1%	13162.3	13295.6	133.3	1.0%
70.4%	13044.5	13050.3	5.9	0.0%
71.6%	12992.7	13045.5	52.8	0.4%
72.8%	12966.3	12991.1	24.8	0.2%
74.1%	12966.0	12977.9	11.9	0.1%
75.3%	12806.7	12874.3	67.6	0.5%
76.5%	12802.7	12853.3	50.6	0.4%
77.8%	12801.3	12757.3	-44.0	-0.3%
79.0%	12716.1	12731.2	15.1	0.1%
80.2%	12686.4	12693.5	7.1	0.1%
81.5%	12626.7	12633.8	7.1	0.1%
82.7%	12618.5	12556.5	-62.0	-0.5%
84.0%	12565.3	12524.9	-40.5	-0.3%
85.2%	12439.4	12522.9	83.5	0.7%
86.4%	12430.9	12311.5	-119.5	-1.0%
87.7%	12375.8	12304.7	-71.1	-0.6%
88.9%	12369.4	12197.9	-171.5	-1.4%
90.1%	12328.3	12181.1	-147.2	-1.2%
91.4%	12307.5	12160.4	-147.1	-1.2%
92.6%	12284.3	12079.3	-205.0	-1.7%
93.8%	12259.6	12070.5	-189.1	-1.5%
95.1%	12198.5	11902.2	-296.3	-2.4%
96.3%	12000.3	11810.9	-189.4	-1.6%
97.5%	11832.4	11724.6	-107.9	-0.9%
98.8%	11770.2	11711.4	-58.8	-0.5%
100.0%	11,478.3	11,154.6	-323.6	-2.8%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	19110.9	18977.4	-133.5	-0.7%
1.2%	18852.7	18852.9	0.2	0.0%
2.5%	18767.3	18748.2	-19.0	-0.1%
3.7%	18700.6	18681.9	-18.7	-0.1%
4.9%	18638.5	18666.4	27.8	0.1%
6.2%	18635.8	18659.5	23.7	0.1%
7.4%	18556.0	18539.2	-16.8	-0.1%
8.6%	18531.3	18455.7	-75.6	-0.4%
9.9%	18524.1	18437.6	-86.4	-0.5%
11.1%	18491.9	18259.6	-232.3	-1.3%
12.3%	18446.4	18036.7	-409.7	-2.2%
13.6%	18166.8	17987.0	-179.8	-1.0%
14.8%	18139.9	17943.9	-196.0	-1.1%
16.0%	18097.7	17863.9	-233.8	-1.3%
17.3%	17978.9	17818.6	-160.2	-0.9%
18.5%	17971.3	17650.6	-320.6	-1.8%
19.8%	17965.6	17601.6	-364.0	-2.0%
21.0%	17948.1	17501.2	-446.8	-2.5%
22.2%	17946.5	17434.8	-511.7	-2.9%
23.5%	17925.4	17302.9	-622.5	-3.5%
24.7%	17848.7	17262.6	-586.1	-3.3%
25.9%	17829.1	17211.8	-617.3	-3.5%
27.2%	17418.4	17126.5	-291.9	-1.7%
28.4%	17413.7	17072.7	-341.0	-2.0%
29.6%	17312.4	16990.9	-321.5	-1.9%
30.9%	17293.2	16890.5	-402.7	-2.3%
32.1%	17270.5	16859.7	-410.8	-2.4%
33.3%	17244.8	16833.3	-411.5	-2.4%
34.6%	17237.7	16792.1	-445.6	-2.6%
35.8%	17101.0	16664.4	-436.6	-2.6%
37.0%	17004.7	16622.6	-382.1	-2.2%
38.3%	16994.9	16616.4	-378.5	-2.2%
39.5%	16947.8	16600.5	-347.3	-2.0%
40.7%	16925.4	16499.9	-425.5	-2.5%
42.0%	16856.8	16468.2	-388.6	-2.3%
43.2%	16843.0	16358.6	-484.4	-2.9%
44.4%	16838.2	16343.1	-495.0	-2.9%
45.7%	16803.6	16263.7	-539.9	-3.2%
46.9%	16636.7	16204.7	-432.0	-2.6%
48.1%	16520.0	16173.2	-346.9	-2.1%
49.4%	16478.7	16147.6	-331.1	-2.0%
50.6%	16374.0	16060.8	-313.2	-1.9%
51.9%	16340.3	15810.6	-529.7	-3.2%
53.1%	16226.4	15804.0	-422.4	-2.6%
54.3%	16197.1	15492.0	-705.1	-4.4%
55.6%	12024.7	11801.9	-222.8	-1.9%
56.8%	11967.3	11797.3	-170.0	-1.4%
58.0%	11854.8	11679.9	-174.9	-1.5%
59.3%	11801.3	11675.3	-126.0	-1.1%
60.5%	11790.5	11652.0	-138.5	-1.2%
61.7%	11786.1	11614.1	-172.0	-1.5%
63.0%	11733.4	11524.3	-209.1	-1.8%
64.2%	11694.8	11509.5	-185.3	-1.6%
65.4%	11680.8	11505.4	-175.3	-1.5%
66.7%	11654.3	11503.8	-150.5	-1.3%
67.9%	11600.4	11456.9	-143.5	-1.2%
69.1%	11556.5	11455.0	-101.6	-0.9%
70.4%	8182.8	8075.7	-107.1	-1.3%
71.6%	7973.3	7914.7	-58.6	-0.7%
72.8%	7969.5	7892.1	-77.3	-1.0%
74.1%	7946.4	7833.0	-113.4	-1.4%
75.3%	7934.5	7804.6	-129.8	-1.6%
76.5%	7921.8	7801.1	-120.7	-1.5%
77.8%	7864.5	7789.7	-74.7	-1.0%
79.0%	7841.0	7785.1	-55.9	-0.7%
80.2%	7813.7	7783.8	-29.9	-0.4%
81.5%	7803.7	7779.7	-24.0	-0.3%
82.7%	7784.1	7737.6	-46.4	-0.6%
84.0%	7772.2	7715.1	-57.1	-0.7%
85.2%	7754.0	7710.9	-43.0	-0.6%
86.4%	7734.0	7710.7	-23.2	-0.3%
87.7%	7721.2	7674.0	-47.2	-0.6%
88.9%	7703.8	7648.0	-55.8	-0.7%
90.1%	7644.8	7562.7	-82.1	-1.1%
91.4%	7599.5	7537.8	-61.7	-0.8%
92.6%	7590.5	7527.9	-62.6	-0.8%
93.8%	7581.7	7506.7	-75.0	-1.0%
95.1%	7570.2	7456.3	-113.9	-1.5%
96.3%	7515.1	7455.6	-59.5	-0.8%
97.5%	7422.8	7433.6	10.8	0.1%
98.8%	7397.0	7303.3	-93.7	-1.3%
100.0%	7,228.5	7,255.2	26.7	0.4%

Figure SQ-25-b
San Joaquin River at Jersey Point, Monthly EC
Probability of Exceedance

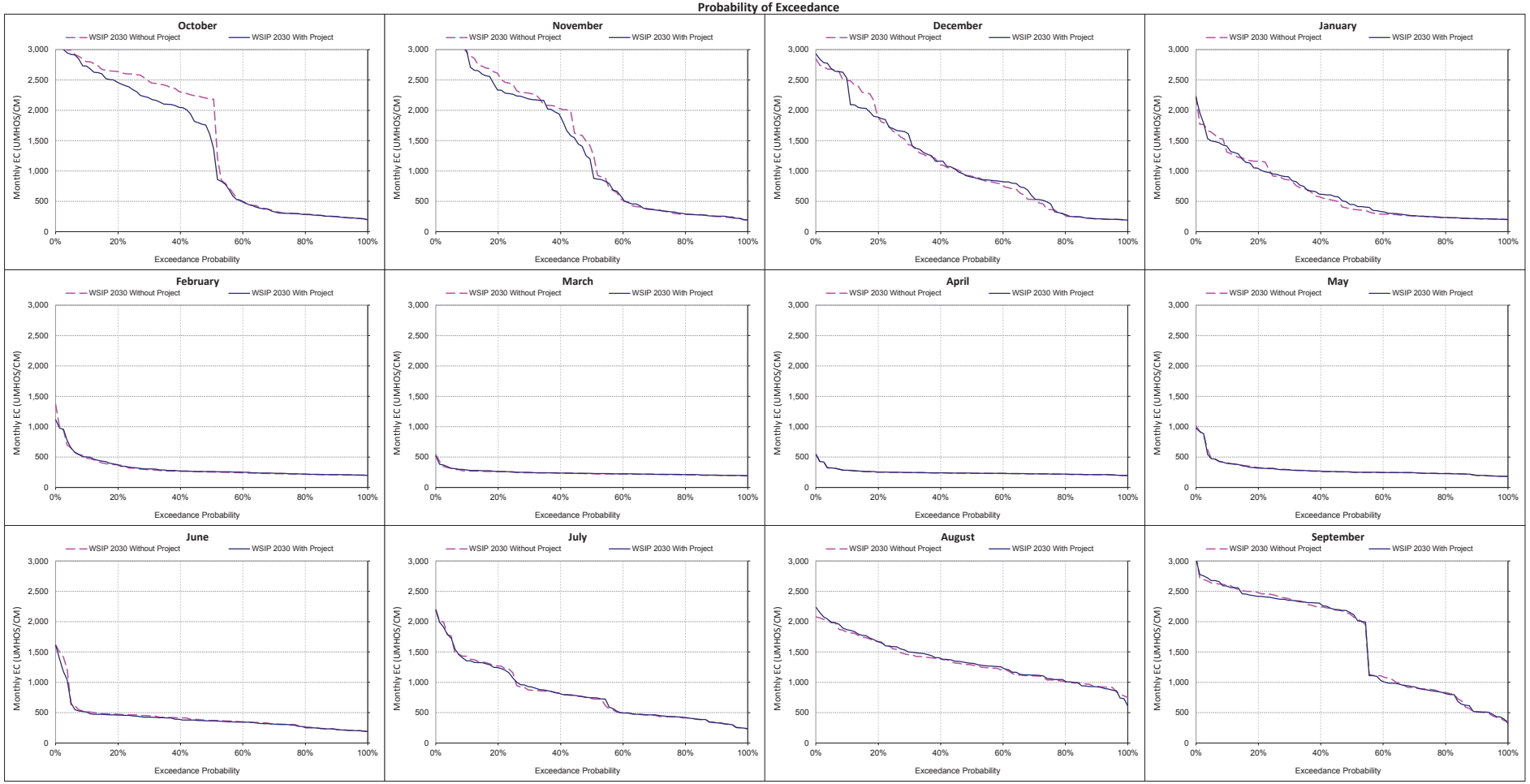


Table SQ-25-b

San Joaquin River at Jersey Point, Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	3212.7	3145.3	-67.4	-2.1%
1.2%	3190.3	3056.4	-133.9	-4.2%
2.5%	3056.4	3003.4	-53.1	-1.7%
3.7%	2992.1	2947.6	-44.5	-1.5%
4.9%	2991.5	2920.0	-71.5	-2.4%
6.2%	2918.7	2912.9	-5.8	-0.2%
7.4%	2889.4	2846.1	-43.3	-1.5%
8.6%	2850.0	2734.4	-115.7	-4.1%
9.9%	2799.8	2727.6	-72.2	-2.6%
11.1%	2798.8	2681.3	-117.4	-4.2%
12.3%	2766.7	2624.8	-141.9	-5.1%
13.6%	2734.8	2623.6	-111.2	-4.1%
14.8%	2672.4	2599.9	-72.5	-2.7%
16.0%	2662.3	2523.5	-138.8	-5.2%
17.3%	2650.1	2504.3	-145.8	-5.5%
18.5%	2645.1	2501.0	-144.1	-5.4%
19.8%	2640.7	2464.8	-175.9	-6.7%
21.0%	2622.9	2434.1	-188.8	-7.2%
22.2%	2603.0	2406.2	-196.7	-7.6%
23.5%	2600.2	2386.8	-213.4	-8.2%
24.7%	2598.7	2340.6	-258.1	-9.9%
25.9%	2587.2	2311.6	-275.6	-10.7%
27.2%	2580.8	2244.7	-336.1	-13.0%
28.4%	2535.2	2228.4	-306.8	-12.1%
29.6%	2485.6	2209.0	-276.6	-11.1%
30.9%	2448.2	2178.3	-269.9	-11.0%
32.1%	2444.4	2162.3	-282.1	-11.5%
33.3%	2427.4	2139.7	-287.7	-11.9%
34.6%	2421.7	2103.9	-317.8	-13.1%
35.8%	2401.1	2101.1	-300.0	-12.5%
37.0%	2368.3	2097.2	-271.1	-11.4%
38.3%	2360.2	2077.0	-283.3	-12.0%
39.5%	2309.1	2046.9	-262.2	-11.4%
40.7%	2293.7	2044.4	-249.3	-10.9%
42.0%	2277.9	2008.2	-269.8	-11.8%
43.2%	2257.2	1942.0	-315.2	-14.0%
44.4%	2241.8	1815.2	-426.7	-19.0%
45.7%	2239.8	1793.9	-446.0	-19.9%
46.9%	2215.6	1769.8	-445.8	-20.1%
48.1%	2200.7	1758.9	-441.8	-20.1%
49.4%	2184.5	1608.0	-576.5	-26.4%
50.6%	2183.2	1369.0	-814.1	-37.3%
51.9%	1213.0	857.0	-356.0	-29.3%
53.1%	848.2	829.1	-19.1	-2.3%
54.3%	797.9	780.7	-17.2	-2.2%
55.6%	725.5	695.2	-30.3	-4.2%
56.8%	637.6	587.2	-50.4	-7.9%
58.0%	549.6	526.7	-22.9	-4.2%
59.3%	505.5	517.5	12.0	2.4%
60.5%	473.3	483.1	9.8	2.1%
61.7%	440.3	447.7	7.4	1.7%
63.0%	431.4	432.9	1.5	0.3%
64.2%	430.7	405.3	-25.5	-5.9%
65.4%	392.9	388.3	-4.7	-1.2%
66.7%	386.7	374.9	-11.8	-3.1%
67.9%	371.6	373.6	2.0	0.5%
69.1%	355.4	342.0	-13.4	-3.8%
70.4%	331.6	323.5	-8.1	-2.4%
71.6%	321.7	306.6	-15.1	-4.7%
72.8%	306.6	305.2	-1.5	-0.5%
74.1%	304.7	303.3	-1.4	-0.5%
75.3%	302.0	302.9	0.9	0.3%
76.5%	298.1	299.4	1.3	0.4%
77.8%	293.0	296.7	3.7	1.3%
79.0%	292.3	285.7	-6.6	-2.3%
80.2%	281.7	285.5	3.8	1.4%
81.5%	280.3	285.0	4.7	1.7%
82.7%	277.0	273.4	-3.6	-1.3%
84.0%	267.3	272.8	5.5	2.1%
85.2%	267.1	268.8	1.7	0.6%
86.4%	256.2	254.1	-2.1	-0.8%
87.7%	255.3	253.9	-1.5	-0.6%
88.9%	252.2	251.5	-0.8	-0.3%
90.1%	245.3	250.8	5.5	2.2%
91.4%	241.8	236.2	-5.6	-2.3%
92.6%	236.6	235.0	-1.6	-0.7%
93.8%	226.9	228.4	1.5	0.7%
95.1%	222.4	227.4	5.0	2.3%
96.3%	217.7	219.8	2.2	1.0%
97.5%	216.4	215.4	-1.1	-0.5%
98.8%	212.4	213.8	1.4	0.6%
100.0%	192.1	194.5	2.4	1.2%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	3753.5	3769.9	16.4	0.4%
1.2%	3428.4	3654.2	225.8	6.6%
2.5%	3309.9	3258.2	-51.7	-1.6%
3.7%	3218.8	3190.1	-28.7	-0.9%
4.9%	3138.9	3167.5	28.6	0.9%
6.2%	3129.3	3129.6	0.3	0.0%
7.4%	3070.5	3029.8	-40.7	-1.3%
8.6%	3050.0	3029.2	-20.8	-0.7%
9.9%	2959.9	2984.5	24.6	0.8%
11.1%	2898.1	2708.2	-189.9	-6.6%
12.3%	2855.9	2661.3	-194.7	-6.8%
13.6%	2749.4	2653.7	-95.7	-3.5%
14.8%	2728.1	2595.9	-132.2	-4.8%
16.0%	2696.9	2571.7	-125.1	-4.6%
17.3%	2685.9	2557.4	-128.5	-4.8%
18.5%	2635.4	2444.0	-191.4	-7.3%
19.8%	2612.6	2335.6	-276.9	-10.6%
21.0%	2506.3	2329.3	-176.9	-7.1%
22.2%	2462.3	2285.9	-176.4	-7.2%
23.5%	2448.0	2275.5	-172.6	-7.0%
24.7%	2431.0	2266.7	-164.3	-6.8%
25.9%	2323.4	2235.5	-87.8	-3.8%
27.2%	2291.5	2233.9	-57.5	-2.5%
28.4%	2290.3	2211.9	-78.4	-3.4%
29.6%	2285.5	2189.0	-96.5	-4.2%
30.9%	2270.9	2175.1	-95.7	-4.2%
32.1%	2255.0	2170.8	-84.1	-3.7%
33.3%	2188.4	2165.8	-22.5	-1.0%
34.6%	2089.8	2164.3	74.6	3.6%
35.8%	2082.9	2023.9	-59.1	-2.8%
37.0%	2079.6	2015.2	-64.4	-3.1%
38.3%	2067.6	1971.0	-96.7	-4.7%
39.5%	2034.4	1941.8	-92.5	-4.5%
40.7%	2010.6	1814.4	-196.2	-9.8%
42.0%	2010.0	1665.1	-344.9	-17.2%
43.2%	1993.3	1580.7	-412.6	-20.7%
44.4%	1625.9	1546.1	-79.9	-4.9%
45.7%	1597.7	1444.4	-153.4	-9.6%
46.9%	1587.0	1407.3	-179.8	-11.3%
48.1%	1491.4	1250.9	-240.6	-16.1%
49.4%	1421.7	1202.2	-219.5	-15.4%
50.6%	1246.6	875.6	-371.0	-29.8%
51.9%	927.7	866.8	-60.9	-6.6%
53.1%	901.0	859.5	-41.6	-4.6%
54.3%	886.7	828.1	-58.6	-6.6%
55.6%	716.7	795.2	78.5	10.9%
56.8%	678.1	687.0	8.9	1.3%
58.0%	642.6	666.3	23.6	3.7%
59.3%	539.9	593.9	54.0	10.0%
60.5%	498.0	505.0	7.0	1.4%
61.7%	491.0	479.3	-11.7	-2.4%
63.0%	427.1	457.8	30.7	7.2%
64.2%	413.4	454.9	41.5	10.0%
65.4%	406.4	425.3	19.0	4.7%
66.7%	392.2	382.5	-9.8	-2.5%
67.9%	366.9	377.3	10.4	2.8%
69.1%	365.0	368.8	3.8	1.0%
70.4%	360.6	359.1	-1.6	-0.4%
71.6%	358.2	349.2	-9.1	-2.5%
72.8%	341.8	340.0	-1.8	-0.5%
74.1%	327.7	337.1	9.4	2.9%
75.3%	321.7	326.3	4.6	1.4%
76.5%	298.7	322.5	23.8	8.0%
77.8%	293.2	307.3	14.1	4.8%
79.0%	284.7	301.5	16.8	5.9%
80.2%	284.3	289.8	5.5	1.9%
81.5%	283.6	284.3	0.7	0.2%
82.7%	281.9	278.7	-3.2	-1.1%
84.0%	280.8	278.2	-2.7	-1.0%
85.2%	278.4	277.1	-1.3	-0.5%
86.4%	268.2	271.6	3.4	1.3%
87.7%	266.9	259.1	-7.7	-2.9%
88.9%	252.7	258.8	6.1	2.4%
90.1%	249.6	256.7	7.0	2.8%
91.4%	248.0	254.1	6.2	2.5%
92.6%	241.5	253.2	11.7	4.8%
93.8%	234.1	240.4	6.3	2.7%
95.1%	224.5	240.3	15.9	7.1%
96.3%	217.6	222.0	4.3	2.0%
97.5%	215.1	220.9	5.8	2.7%
98.8%	196.9	196.0	-0.8	-0.4%
100.0%	195.3	194.2	-1.1	-0.6%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2848.9	2930.4	81.5	2.9%
1.2%	2744.5	2846.7	102.2	3.7%
2.5%	2721.4	2785.4	64.1	2.4%
3.7%	2679.1	2776.7	97.6	3.6%
4.9%	2677.4	2686.4	8.9	0.3%
6.2%	2662.9	2642.8	-20.1	-0.8%
7.4%	2635.1	2640.7	5.6	0.2%
8.6%	2504.1	2624.8	120.6	4.8%
9.9%	2499.9	2528.9	29.0	1.2%
11.1%	2483.8	2091.9	-392.0	-15.8%
12.3%	2419.2	2090.0	-329.2	-13.6%
13.6%	2398.3	2047.1	-351.2	-14.6%
14.8%	2299.3	2037.1	-262.2	-11.4%
16.0%	2282.1	2029.7	-252.4	-11.1%
17.3%	2274.0	1975.5	-298.6	-13.1%
18.5%	2165.0	1903.6	-261.5	-12.1%
19.8%	1901.0	1891.3	-9.6	-0.5%
21.0%	1810.2	1865.6	55.4	3.1%
22.2%	1785.2	1845.9	60.7	3.4%
23.5%	1736.0	1719.0	-16.9	-1.0%
24.7%	1656.6	1701.1	44.5	2.7%
25.9%	1626.9	1667.3	40.4	2.5%
27.2%	1559.7	1660.4	100.7	6.5%
28.4%	1524.1	1649.2	125.2	8.2%
29.6%	1436.5	1611.9	175.4	12.2%
30.9%	1418.3	1411.5	-6.8	-0.5%
32.1%	1345.3	1377.9	32.6	2.4%
33.3%	1297.7	1353.9	56.2	4.3%
34.6%	1272.3	1304.5	32.2	2.5%
35.8%	1235.9	1273.3	37.3	3.0%
37.0%	1234.8	1253.7	18.9	1.5%
38.3%	1207.0	1163.8	-43.2	-3.6%
39.5%	1102.0	1162.6	60.7	5.5%
40.7%	1096.1	1160.3	64.3	5.9%
42.0%	1059.5	1074.6	15.1	1.4%
43.2%	1037.6	1068.3	30.7	3.0%
44.4%	1036.6	1039.6	3.0	0.3%
45.7%	1014.1	983.3	-30.8	-3.0%
46.9%	974.1	963.0	-11.1	-1.1%
48.1%	927.7	920.8	-6.9	-0.7%
49.4%	920.3	905.2	-15.2	-1.6%
50.6%	902.6	891.1	-11.5	-1.3%
51.9%	895.2	876.4	-18.8	-2.1%
53.1%	866.9	855.2	-11.7	-1.4%
54.3%	833.5	853.6	20.1	2.4%
55.6%	829.3	849.4	20.0	2.4%
56.8%	813.2	841.6	28.4	3.5%
58.0%	798.8	838.1	39.2	4.9%
59.3%	790.5	828.6	38.0	4.8%
60.5%	738.0	819.1	81.0	11.0%
61.7%	723.9	819.0	95.1	13.1%
63.0%	704.4	797.2	92.8	13.2%
64.2%	701.4	793.1	91.7	13.1%
65.4%	636.5	736.9	100.4	15.8%
66.7%	606.2	727.4	121.2	20.0%
67.9%	534.2	685.1	150.9	28.3%
69.1%	531.9	598.3	66.4	12.5%
70.4%	528.1	533.4	5.3	1.0%
71.6%	472.0	530.9	58.9	12.5%
72.8%	458.2	515.0	56.8	12.4%
74.1%	366.8	488.9	122.1	33.3%
75.3%	362.7	454.9	92.2	25.4%
76.5%	356.7	328.0	-28.8	-8.1%
77.8%	309.8	314.6	4.8	1.6%
79.0%	303.4	297.8	-5.6	-1.8%
80.2%	253.6	275.3	21.7	8.5%
81.5%	246.4	251.9	5.5	2.2%
82.7%	244.2	246.4	2.2	0.9%
84.0%	244.1	245.6	1.4	0.6%
85.2%	237.6	241.9	4.3	1.8%
86.4%	225.1	224.2	-0.9	-0.4%
87.7%	224.5	218.9	-5.5	-2.5%
88.9%	212.6	214.2	1.7	0.8%
90.1%	212.1	213.6	1.5	0.7%
91.4%	210.1	210.7	0.6	0.3%
92.6%	203.6	206.3	2.7	1.3%
93.8%	202.1	202.4	0.3	0.2%
95.1%	201.6	202.1	0.5	0.2%
96.3%	201.6	201.3	-0.2	-0.1%
97.5%	200.1	200.3	0.1	0.1%
98.8%	195.1	193.2	-1.8	-0.9%
100.0%	190.7	191.2	0.5	0.3%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2234.3	2219.2	-15.1	-0.7%
1.2%	1770.5	1958.5	188.0	10.6%
2.5%	1767.4	1781.4	14.0	0.8%
3.7%	1667.7	1536.4	-131.4	-7.9%
4.9%	1639.8	1495.4	-144.4	-8.8%
6.2%	1588.1	1482.0	-106.2	-6.7%
7.4%	1537.0	1468.2	-68.8	-4.5%
8.6%	1527.7	1425.7	-102.0	-6.7%
9.9%	1312.9	1409.2	96.3	7.3%
11.1%	1286.7	1321.7	35.0	2.7%
12.3%	1261.4	1305.3	43.8	3.5%
13.6%	1221.5	1280.6	59.1	4.8%
14.8%	1217.5	1197.4	-20.1	-1.6%
16.0%	1184.8	1141.0	-43.7	-3.7%
17.3%	1172.0	1133.9	-38.1	-3.3%
18.5%	1162.2	1052.9	-109.4	-9.4%
19.8%	1160.9	1048.0	-112.9	-9.7%
21.0%	1158.3	1006.1	-152.2	-13.1%
22.2%	1146.3	985.3	-160.9	-14.0%
23.5%	1015.8	974.7	-41.1	-4.0%
24.7%	916.7	953.9	37.2	4.1%
25.9%	910.8	942.4	31.5	3.5%
27.2%	894.5	922.7	28.2	3.2%
28.4%	862.0	908.3	46.3	5.4%
29.6%	854.5	906.1	51.6	6.0%
30.9%	825.1	836.9	11.9	1.4%
32.1%	760.0	822.7	62.7	8.2%
33.3%	723.8	766.3	42.5	5.9%
34.6%	716.5	747.5	31.0	4.3%
35.8%	692.3	679.7	-12.5	-1.8%
37.0%	647.9	670.5	22.6	3.5%
38.3%	587.6	660.5	72.8	12.4%
39.5%	576.9	617.4	40.5	7.0%
40.7%	551.3	615.2	63.9	11.6%
42.0%	537.4	607.1	69.7	13.0%
43.2%	524.4	605.1	80.7	15.4%
44.4%	511.2	578.8	67.6	13.2%
45.7%	494.8	571.2	76.4	15.4%
46.9%	407.4	508.5	101.1	24.8%
48.1%	394.7	495.6	101.0	25.6%
49.4%	375.3	448.7	73.4	19.6%
50.6%	366.8	445.4	78.6	21.4%
51.9%	360.0	414.1	54.1	15.0%
53.1%	355.3	413.5	58.2	16.4%
54.3%	352.1	402.9	50.7	14.4%
55.6%	324.5	400.4	75.9	23.4%
56.8%	304.6	348.0	43.4	14.2%
58.0%	296.5	344.2	47.7	16.1%
59.3%	290.2	330.6	40.4	13.9%
60.5%	289.0	321.3	32.3	11.2%
61.7%	288.8	302.7	14.0	4.8%
63.0%	284.0	302.3	18.3	6.4%
64.2%	282.0	298.4	16.4	5.8%
65.4%	272.6	289.7	17.1	6.3%
66.7%	267.9	281.2	13.3	5.0%
67.9%	264.3	272.7	8.4	3.2%
69.1%	260.2	264.6	4.3	1.7%
70.4%	254.0	261.2	7.3	2.9%
71.6%	253.3	256.7	3.4	1.3%
72.8%	253.2	255.3	2.1	0.8%
74.1%	246.1	252.4	6.3	2.6%
75.3%	244.8	247.7	2.9	1.2%
76.5%	237.5	246.6	9.1	3.8%
77.8%	234.0	241.1	7.1	3.0%
79.0%	232.9	234.2	1.3	0.6%
80.2%	232.5	232.5	0.0	0.0%
81.5%	229.1	229.9	0.9	0.4%
82.7%	228.4	228.6	0.2	0.1%
84.0%	226.1	227.2	1.1	0.5%
85.2%	221.5	222.4	0.9	0.4%
86.4%	220.3	220.3	0.0	0.0%
87.7%	216.8	216.8	0.0	0.0%
88.9%	215.3	215.6	0.3	0.1%
90.1%	211.3	214.7	3.4	1.6%
91.4%	210.1	213.7	3.5	1.7%
92.6%	210.1	213.0	2.9	1.4%
93.8%	209.4	211.8	2.4	1.2%
95.1%	207.9	209.7	1.8	0.9%
96.3%	206.3	207.2	0.9	0.4%
97.5%	206.2	205.0	-1.2	-0.6%
98.8%	202.8	202.8	0.0	0.0%
100.0%	200.2	200.5	0.3	0.1%

Table SQ-25-b

San Joaquin River at Jersey Point, Monthly EC

Probability of Exceedance

February				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1366.3	1112.6	-253.6	-18.6%
1.2%	997.8	974.5	-23.3	-2.3%
2.5%	957.7	956.1	-1.5	-0.2%
3.7%	694.5	775.9	81.4	11.7%
4.9%	652.2	647.3	-4.9	-0.7%
6.2%	571.5	576.4	5.0	0.9%
7.4%	541.0	544.2	3.2	0.6%
8.6%	528.4	505.4	-23.0	-4.4%
9.9%	478.8	501.1	22.4	4.7%
11.1%	472.0	497.0	25.1	5.3%
12.3%	452.7	462.5	9.8	2.2%
13.6%	424.9	445.7	20.7	4.9%
14.8%	403.5	433.1	29.5	7.3%
16.0%	388.9	423.9	35.0	9.0%
17.3%	384.6	399.1	14.5	3.8%
18.5%	375.8	384.8	9.0	2.4%
19.8%	373.8	372.6	-1.2	-0.3%
21.0%	363.3	347.3	-16.0	-4.4%
22.2%	349.3	345.3	-4.0	-1.1%
23.5%	318.8	333.2	14.4	4.5%
24.7%	317.5	326.5	9.0	2.8%
25.9%	316.5	322.6	6.1	1.9%
27.2%	298.9	310.7	11.8	3.9%
28.4%	297.3	306.0	8.7	2.9%
29.6%	291.1	305.4	14.3	4.9%
30.9%	288.2	302.5	14.3	4.9%
32.1%	285.0	299.2	14.3	5.0%
33.3%	278.4	288.9	10.4	3.8%
34.6%	270.4	288.6	18.2	6.7%
35.8%	269.8	280.4	10.6	3.9%
37.0%	268.8	280.0	11.2	4.2%
38.3%	266.6	279.9	13.4	5.0%
39.5%	264.9	270.3	5.3	2.0%
40.7%	264.5	269.3	4.8	1.8%
42.0%	263.0	268.5	5.5	2.1%
43.2%	262.6	266.9	4.3	1.6%
44.4%	262.3	263.3	1.0	0.4%
45.7%	259.0	263.3	4.2	1.6%
46.9%	257.4	262.3	4.9	1.9%
48.1%	254.1	261.0	7.0	2.7%
49.4%	253.4	260.3	6.8	2.7%
50.6%	252.2	260.0	7.8	3.1%
51.9%	251.7	258.6	6.9	2.7%
53.1%	249.8	256.6	6.8	2.7%
54.3%	247.1	256.3	9.2	3.7%
55.6%	246.6	255.4	8.8	3.6%
56.8%	246.0	254.4	8.4	3.4%
58.0%	242.5	254.1	11.7	4.8%
59.3%	240.4	253.6	13.2	5.5%
60.5%	240.0	250.4	10.4	4.3%
61.7%	235.7	248.1	12.3	5.2%
63.0%	235.7	241.5	5.8	2.5%
64.2%	234.6	240.1	5.5	2.3%
65.4%	230.3	236.8	6.6	2.9%
66.7%	230.1	235.9	5.8	2.5%
67.9%	228.9	235.8	6.9	3.0%
69.1%	227.4	235.2	7.8	3.4%
70.4%	226.3	233.5	7.2	3.2%
71.6%	225.4	231.2	5.9	2.6%
72.8%	225.0	230.1	5.0	2.2%
74.1%	224.6	226.3	1.7	0.8%
75.3%	221.7	223.4	1.6	0.7%
76.5%	220.4	221.6	1.1	0.5%
77.8%	219.6	221.2	1.5	0.7%
79.0%	218.0	220.6	2.6	1.2%
80.2%	215.0	219.3	4.2	2.0%
81.5%	214.1	215.5	1.4	0.7%
82.7%	211.6	214.1	2.4	1.2%
84.0%	211.4	213.5	2.1	1.0%
85.2%	211.3	211.3	0.0	0.0%
86.4%	210.8	211.3	0.5	0.2%
87.7%	208.9	210.5	1.6	0.8%
88.9%	208.9	208.6	-0.2	-0.1%
90.1%	208.0	208.4	0.4	0.2%
91.4%	207.8	208.0	0.2	0.1%
92.6%	207.2	207.1	-0.1	0.0%
93.8%	206.4	206.6	0.2	0.1%
95.1%	206.1	206.2	0.0	0.0%
96.3%	203.2	203.2	-0.1	0.0%
97.5%	202.0	201.9	-0.1	0.0%
98.8%	201.1	201.1	-0.1	0.0%
100.0%	198.3	199.0	0.8	0.4%

March				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	538.9	513.4	-25.5	-4.7%
1.2%	428.8	379.5	-49.3	-11.5%
2.5%	344.2	368.2	24.0	7.0%
3.7%	325.4	341.6	16.1	5.0%
4.9%	315.1	314.1	-1.0	-0.3%
6.2%	295.4	306.7	11.3	3.8%
7.4%	292.3	296.5	4.2	1.4%
8.6%	272.2	294.4	22.2	8.2%
9.9%	271.8	286.3	14.5	5.3%
11.1%	270.7	277.4	6.7	2.5%
12.3%	268.9	277.1	8.2	3.0%
13.6%	268.4	276.8	8.4	3.1%
14.8%	266.0	275.9	9.9	3.7%
16.0%	262.0	275.2	13.1	5.0%
17.3%	260.1	273.9	13.8	5.3%
18.5%	259.9	265.0	5.1	2.0%
19.8%	259.1	262.2	3.1	1.2%
21.0%	258.1	260.9	2.7	1.1%
22.2%	257.7	260.8	3.1	1.2%
23.5%	257.4	258.4	1.0	0.4%
24.7%	249.5	258.3	8.8	3.5%
25.9%	246.5	249.8	3.3	1.3%
27.2%	245.9	247.9	2.0	0.8%
28.4%	241.8	247.7	5.8	2.4%
29.6%	241.6	247.1	5.5	2.3%
30.9%	240.8	246.2	5.3	2.2%
32.1%	240.0	241.4	1.5	0.6%
33.3%	239.4	241.1	1.8	0.7%
34.6%	239.1	240.1	1.0	0.4%
35.8%	238.8	239.6	0.8	0.3%
37.0%	238.5	239.0	0.5	0.2%
38.3%	234.5	238.5	4.0	1.7%
39.5%	233.7	236.6	2.9	1.2%
40.7%	232.8	236.5	3.7	1.6%
42.0%	232.1	235.8	3.8	1.6%
43.2%	231.8	233.6	1.8	0.8%
44.4%	230.4	233.1	2.7	1.2%
45.7%	230.3	233.0	2.7	1.2%
46.9%	229.7	232.0	2.3	1.0%
48.1%	225.4	231.4	6.0	2.7%
49.4%	224.7	230.1	5.4	2.4%
50.6%	224.0	227.1	3.1	1.4%
51.9%	222.3	226.3	4.0	1.8%
53.1%	222.2	225.8	3.5	1.6%
54.3%	222.0	225.4	3.4	1.5%
55.6%	221.6	225.1	3.5	1.6%
56.8%	221.5	224.2	2.7	1.2%
58.0%	220.8	222.5	1.7	0.8%
59.3%	220.7	222.1	1.4	0.6%
60.5%	220.5	221.7	1.2	0.5%
61.7%	218.3	221.6	3.3	1.5%
63.0%	217.4	220.8	3.5	1.6%
64.2%	216.4	220.7	4.3	2.0%
65.4%	215.5	219.6	4.2	1.9%
66.7%	215.2	219.4	4.2	2.0%
67.9%	215.0	217.4	2.4	1.1%
69.1%	214.5	217.4	2.8	1.3%
70.4%	214.1	216.2	2.0	1.0%
71.6%	214.1	216.1	2.1	1.0%
72.8%	213.4	215.7	2.3	1.1%
74.1%	210.8	214.9	4.0	1.9%
75.3%	210.0	214.6	4.7	2.2%
76.5%	209.7	213.7	4.0	1.9%
77.8%	209.0	212.7	3.7	1.8%
79.0%	208.8	211.9	3.2	1.5%
80.2%	207.5	210.6	3.1	1.5%
81.5%	207.0	210.3	3.3	1.6%
82.7%	206.0	208.4	2.4	1.1%
84.0%	204.0	208.1	4.2	2.0%
85.2%	201.1	201.6	0.5	0.3%
86.4%	200.7	201.6	0.9	0.5%
87.7%	200.2	201.5	1.4	0.7%
88.9%	199.9	200.6	0.7	0.4%
90.1%	199.2	199.9	0.8	0.4%
91.4%	198.5	199.1	0.5	0.3%
92.6%	198.5	198.9	0.4	0.2%
93.8%	198.0	198.3	0.4	0.2%
95.1%	197.7	197.9	0.2	0.1%
96.3%	197.7	197.7	0.0	0.0%
97.5%	196.3	197.7	1.4	0.7%
98.8%	193.6	193.6	0.0	0.0%
100.0%	193.4	193.4	0.0	0.0%

April				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	549.5	539.9	-9.6	-1.7%
1.2%	430.3	423.5	-6.8	-1.6%
2.5%	422.1	417.6	-4.5	-1.1%
3.7%	322.3	320.8	-1.5	-0.5%
4.9%	321.3	319.6	-1.8	-0.5%
6.2%	315.0	311.5	-3.6	-1.1%
7.4%	300.2	301.5	1.3	0.4%
8.6%	284.4	283.1	-1.3	-0.5%
9.9%	281.2	281.6	0.4	0.1%
11.1%	279.4	280.1	0.7	0.2%
12.3%	278.5	271.9	-6.7	-2.4%
13.6%	265.6	269.5	3.8	1.4%
14.8%	261.0	265.9	4.9	1.9%
16.0%	258.3	263.5	5.2	2.0%
17.3%	257.9	262.7	4.8	1.9%
18.5%	252.7	261.0	8.3	3.3%
19.8%	251.1	254.6	3.4	1.4%
21.0%	250.7	252.9	2.2	0.9%
22.2%	250.6	252.2	1.6	0.6%
23.5%	250.0	249.4	-0.6	-0.2%
24.7%	249.4	248.5	-0.9	-0.4%
25.9%	248.6	247.1	-1.5	-0.6%
27.2%	246.3	246.8	0.4	0.2%
28.4%	244.9	245.2	0.3	0.1%
29.6%	243.7	245.1	1.4	0.6%
30.9%	242.5	244.8	2.2	0.9%
32.1%	242.2	244.1	1.9	0.8%
33.3%	241.7	243.3	1.6	0.6%
34.6%	240.4	242.4	2.0	0.8%
35.8%	238.6	242.0	3.4	1.4%
37.0%	237.0	242.0	5.0	2.1%
38.3%	236.9	240.0	3.2	1.3%
39.5%	236.8	239.8	3.0	1.2%
40.7%	236.8	238.5	1.8	0.7%
42.0%	236.2	238.3	2.1	0.9%
43.2%	234.7	237.0	2.3	1.0%
44.4%	234.6	236.8	2.2	1.0%
45.7%	233.8	236.2	2.3	1.0%
46.9%	233.8	235.1	1.3	0.6%
48.1%	233.2	234.8	1.6	0.7%
49.4%	232.9	233.6	0.7	0.3%
50.6%	232.9	233.3	0.4	0.2%
51.9%	232.9	233.1	0.2	0.1%
53.1%	231.8	232.9	1.1	0.5%
54.3%	230.6	232.3	1.7	0.7%
55.6%	229.8	231.0	1.2	0.5%
56.8%	229.6	230.8	1.2	0.5%
58.0%	228.8	230.1	1.3	0.6%
59.3%	228.8	229.9	1.0	0.4%
60.5%	227.4	229.8	2.4	1.1%
61.7%	226.8	229.2	2.4	1.0%
63.0%	226.6	228.5	1.9	0.9%
64.2%	226.2	227.1	0.8	0.4%
65.4%	225.2	226.6	1.4	0.6%
66.7%	224.9	226.2	1.3	0.6%
67.9%	224.5	224.8	0.3	0.1%
69.1%	224.5	224.5	0.0	0.0%
70.4%	223.3	224.5	1.2	0.5%
71.6%	221.7	224.0	2.3	1.0%
72.8%	220.3	223.5	3.2	1.4%
74.1%	220.0	221.5	1.5	0.7%
75.3%	219.8	220.3	0.5	0.2%
76.5%	219.5	219.9	0.4	0.2%
77.8%	218.0	219.6	1.6	0.8%
79.0%	216.5	218.4	1.9	0.9%
80.2%	215.8	217.8	2.0	0.9%
81.5%	214.0	216.4	2.3	1.1%
82.7%	213.7	214.2	0.5	0.2%
84.0%	212.9	214.0	1.1	0.5%
85.2%	211.8	213.6	1.8	0.9%
86.4%	210.6	210.9	0.3	0.1%
87.7%	210.4	210.7	0.4	0.2%
88.9%	210.1	210.3	0.2	0.1%
90.1%	209.8	209.9	0.1	0.1%
91.4%	209.6	209.7	0.0	0.0%
92.6%	208.8	209.7	0.9	0.4%
93.8%	208.7	208.9	0.3	0.1%
95.1%	205.1	205.5	0.4	0.2%
96.3%	201.3	201.4	0.1	0.0%
97.5%	198.8	198.9	0.1	0.1%
98.8%	194.6	196.1	1.5	0.8%
100.0%	194.3	195.2	0.8	0.4%

May				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1016.9	978.1	-38.8	-3.8%
1.2%	919.2	919.4	0.2	0.0%
2.5%	860.3	880.3	19.9	2.3%
3.7%	623.4	543.3	-80.1	-12.9%
4.9%	469.8	472.9	3.1	0.7%
6.2%	464.1	464.9	0.9	0.2%
7.4%	427.3	429.6	2.3	0.5%
8.6%	412.9	413.8	0.9	0.2%
9.9%	410.6	394.0	-16.6	-4.0%
11.1%	389.1	387.8	-1.3	-0.3%
12.3%	386.9	382.8	-4.1	-1.1%
13.6%	383.2	378.0	-5.2	-1.3%
14.8%	365.0	357.7	-7.3	-2.0%
16.0%	354.4	347.1	-7.3	-2.1%
17.3%	350.2	329.0	-21.2	-6.1%
18.5%	335.1	326.2	-8.9	-2.7%
19.8%	328.5	319.1	-9.5	-2.9%
21.0%	319.2	316.8	-2.4	-0.8%
22.2%	318.6	314.5	-4.1	-1.3%
23.5%	316.3	310.0	-6.3	-2.0%
24.7%	314.4	306.6	-7.8	-2.5%
25.9%	304.8	300.6	-4.2	-1.4%
27.2%	296.8	291.9	-4.9	-1.7%
28.4%	296.4	290.6	-5.8	-2.0%
29.6%	290.4	290.3	-0.1	0.0%
30.9%	286.5	281.3	-5.2	-1.8%
32.1%	283.6	279.9	-3.7	-1.3%
33.3%	279.6	278.4	-1.2	-0.4%
34.6%	279.0	276.6	-2.4	-0.9%
35.8%	273.9	273.6	-0.3	-0.1%
37.0%	267.8	269.1	1.2	0.5%
38.3%	264.7	268.6	3.8	1.5%
39.5%	261.7	268.3	6.7	2.5%
40.7%	261.2	262.0	0.8	0.3%
42.0%	259.0	261.3	2.2	0.9%
43.2%	258.2	259.7	1.4	0.5%
44.4%	257.7	259.4	1.7	0.7%
45.7%	256.4	258.8	2.4	0.9%
46.9%	256.4	258.2	1.8	0.7%
48.1%	252.6	257.5	4.9	1.9%
49.4%	251.5	256.3	4.8	1.9%
50.6%	250.2	250.6	0.4	0.2%
51.9%	249.7	250.3	0.6	0.3%
53.1%	248.1	249.0	0.9	0.3%
54.3%	248.1	248.7	0.6	0.3%
55.6%	247.6	247.4	-0.3	-0.1%
56.8%	246.9	246.9	0.0	0.0%
58.0%	246.2	246.6	0.4	0.2%
59.3%	245.7	246.2	0.4	0.2%
60.5%	245.7	245.8	0.1	0.0%
61.7%	244.5	245.7	1.3	0.5%
63.0%	244.0	245.1	1.2	0.5%
64.2%	243.3	244.3	1.0	0.4%
65.4%	243.0	244.2	1.2	0.5%
66.7%	242.0	243.9	1.9	0.8%
67.9%	241.5	242.4	0.9	0.4%
69.1%	240.7	242.3	1.6	0.7%
70.4%	240.0	240.8	0.8	0.3%
71.6%	235.5	235.7	0.2	0.1%
72.8%	232.7	232.7	0.0	0.0%
74.1%	230.9	232.5	1.6	0.7%
75.3%	230.8	231.6	0.9	0.4%
76.5%	229.8	229.9	0.0	0.0%
77.8%	228.5	228.5	0.0	0.0%
79.0%	227.6	227.6	0.1	0.0%
80.2%	227.4	227.5	0.1	0.0%
81.5%	226.2	226.3	0.0	0.0%
82.7%	224.0	225.0	1.0	0.4%
84.0%	223.3	224.2	0.8	0.4%
85.2%	221.1	221.6	0.5	0.2%
86.4%	218.7	218.4	-0.3	-0.1%
87.7%	217.2	217.2	0.0	0.0%
88.9%	203.2	203.6	0.4	0.2%
90.1%	197.8	198.1	0.3	0.2%
91.4%	196.4	196.7	0.3	0.2%
92.6%	196.0	196.1	0.1	0.1%
93.8%	190.1	190.2	0.1	0.1%
95.1%	187.8	188.2	0.4	0.2%
96.3%	185.2	185.3	0.2	0.1%
97.5%	183.0	183.3	0.3	0.1%
98.8%	182.7	182.9	0.3	0.1%
100.0%	181.9	182.2	0.3	0.1%

Table SQ-25-b

San Joaquin River at Jersey Point, Monthly EC

Probability of Exceedance

June				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1615.1	1612.4	-2.7	-0.2%
1.2%	1501.8	1384.6	-117.2	-7.8%
2.5%	1421.1	1173.4	-247.7	-17.4%
3.7%	1216.0	1047.7	-168.3	-13.8%
4.9%	631.1	660.0	28.9	4.6%
6.2%	610.3	547.5	-62.8	-10.3%
7.4%	550.7	528.2	-22.5	-4.1%
8.6%	525.5	517.8	-7.8	-1.5%
9.9%	516.0	512.6	-3.4	-0.7%
11.1%	510.8	479.6	-31.2	-6.1%
12.3%	500.6	474.6	-26.0	-5.2%
13.6%	493.3	473.1	-20.2	-4.1%
14.8%	483.0	470.5	-12.5	-2.6%
16.0%	480.4	467.4	-12.9	-2.7%
17.3%	478.9	463.9	-15.0	-3.1%
18.5%	478.5	462.7	-15.8	-3.3%
19.8%	474.0	461.1	-12.9	-2.7%
21.0%	467.9	458.5	-9.4	-2.0%
22.2%	466.5	454.2	-12.3	-2.6%
23.5%	464.2	453.4	-10.8	-2.3%
24.7%	462.3	446.4	-15.9	-3.4%
25.9%	462.1	443.0	-19.1	-4.1%
27.2%	453.5	435.3	-18.3	-4.0%
28.4%	453.1	426.6	-26.5	-5.8%
29.6%	449.7	426.0	-23.6	-5.3%
30.9%	446.0	423.8	-22.3	-5.0%
32.1%	442.5	421.6	-20.9	-4.7%
33.3%	424.2	418.1	-6.1	-1.4%
34.6%	424.1	415.4	-8.7	-2.1%
35.8%	422.2	414.5	-7.6	-1.8%
37.0%	421.0	413.7	-7.3	-1.7%
38.3%	417.4	390.0	-27.4	-6.6%
39.5%	415.5	389.4	-26.1	-6.3%
40.7%	414.1	377.5	-36.5	-8.8%
42.0%	412.4	377.3	-35.1	-8.5%
43.2%	390.8	376.5	-14.3	-3.7%
44.4%	389.7	376.4	-13.3	-3.4%
45.7%	388.7	370.0	-18.7	-4.8%
46.9%	380.2	367.8	-12.4	-3.3%
48.1%	374.3	367.1	-7.2	-1.9%
49.4%	371.8	365.2	-6.5	-1.7%
50.6%	371.6	364.8	-6.8	-1.8%
51.9%	371.5	359.7	-11.7	-3.2%
53.1%	369.8	358.1	-11.7	-3.2%
54.3%	363.9	352.2	-11.8	-3.2%
55.6%	362.0	350.3	-11.7	-3.2%
56.8%	361.9	347.6	-14.3	-3.9%
58.0%	356.7	344.7	-12.0	-3.4%
59.3%	350.7	343.6	-7.1	-2.0%
60.5%	346.0	343.5	-2.6	-0.7%
61.7%	344.4	342.9	-1.5	-0.4%
63.0%	338.0	339.9	1.8	0.5%
64.2%	337.3	332.0	-5.3	-1.6%
65.4%	336.1	324.0	-12.1	-3.6%
66.7%	333.8	320.0	-13.8	-4.1%
67.9%	329.7	319.0	-10.7	-3.2%
69.1%	314.2	313.7	-0.5	-0.2%
70.4%	311.8	310.3	-1.6	-0.5%
71.6%	311.4	307.4	-4.0	-1.3%
72.8%	308.2	307.4	-0.8	-0.2%
74.1%	308.1	303.7	-4.4	-1.4%
75.3%	305.4	297.0	-8.4	-2.7%
76.5%	304.8	294.8	-10.0	-3.3%
77.8%	285.1	275.5	-9.6	-3.4%
79.0%	277.8	271.1	-6.7	-2.4%
80.2%	263.0	252.1	-11.0	-4.2%
81.5%	261.5	252.0	-9.5	-3.6%
82.7%	249.1	250.9	1.8	0.7%
84.0%	246.6	247.2	0.6	0.2%
85.2%	240.6	237.8	-2.8	-1.2%
86.4%	236.3	234.5	-1.8	-0.7%
87.7%	236.1	233.5	-2.6	-1.1%
88.9%	233.8	232.9	-0.9	-0.4%
90.1%	223.3	219.2	-4.1	-1.8%
91.4%	219.7	216.6	-3.1	-1.4%
92.6%	217.8	212.6	-5.2	-2.4%
93.8%	206.7	206.6	-0.1	0.0%
95.1%	204.6	205.3	0.7	0.3%
96.3%	204.2	204.4	0.2	0.1%
97.5%	202.6	201.3	-1.3	-0.7%
98.8%	195.7	194.9	-0.7	-0.4%
100.0%	189.5	189.6	0.1	0.1%

July				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2182.8	2198.5	15.7	0.7%
1.2%	2001.2	1990.6	-10.6	-0.5%
2.5%	1997.1	1910.3	-86.9	-4.3%
3.7%	1787.3	1791.5	4.1	0.2%
4.9%	1762.6	1727.8	-34.8	-2.0%
6.2%	1471.8	1541.0	69.2	4.7%
7.4%	1462.0	1452.9	-9.1	-0.6%
8.6%	1431.2	1400.6	-30.6	-2.1%
9.9%	1430.0	1352.5	-77.5	-5.4%
11.1%	1380.5	1352.3	-28.3	-2.0%
12.3%	1373.1	1330.0	-43.0	-3.1%
13.6%	1343.4	1326.5	-16.9	-1.3%
14.8%	1339.7	1322.5	-17.2	-1.3%
16.0%	1324.8	1308.9	-15.9	-1.2%
17.3%	1303.3	1289.8	-13.4	-1.0%
18.5%	1280.1	1246.2	-33.9	-2.7%
19.8%	1269.7	1243.3	-26.4	-2.1%
21.0%	1268.1	1226.7	-41.4	-3.3%
22.2%	1222.7	1202.3	-20.4	-1.7%
23.5%	1218.5	1157.6	-60.9	-5.0%
24.7%	1158.8	1072.5	-86.3	-7.5%
25.9%	947.7	1004.4	56.7	6.0%
27.2%	922.2	961.5	39.3	4.3%
28.4%	918.0	957.5	39.5	4.3%
29.6%	875.0	929.6	54.5	6.2%
30.9%	869.6	921.0	51.5	5.9%
32.1%	865.4	902.5	37.2	4.3%
33.3%	861.6	879.8	18.2	2.1%
34.6%	855.2	874.8	19.6	2.3%
35.8%	855.1	861.2	6.2	0.7%
37.0%	850.2	847.9	-2.3	-0.3%
38.3%	829.3	831.4	2.0	0.2%
39.5%	822.8	817.6	-5.2	-0.6%
40.7%	797.8	796.7	-1.0	-0.1%
42.0%	797.6	792.4	-5.2	-0.6%
43.2%	795.5	785.2	-10.3	-1.3%
44.4%	788.5	784.9	-3.6	-0.5%
45.7%	768.7	778.1	9.4	1.2%
46.9%	763.0	765.9	2.9	0.4%
48.1%	746.9	754.8	7.9	1.1%
49.4%	737.8	747.5	9.7	1.3%
50.6%	724.4	746.8	22.4	3.1%
51.9%	723.6	743.7	20.2	2.8%
53.1%	722.8	725.7	2.9	0.4%
54.3%	616.8	724.9	108.1	17.5%
55.6%	563.7	593.2	29.5	5.2%
56.8%	547.3	566.2	19.0	3.5%
58.0%	506.1	524.9	18.8	3.7%
59.3%	504.1	496.7	-7.3	-1.5%
60.5%	498.5	495.9	-2.6	-0.5%
61.7%	494.8	494.6	-0.2	0.0%
63.0%	478.2	481.6	3.4	0.7%
64.2%	474.4	472.8	-1.6	-0.3%
65.4%	471.1	470.4	-0.6	-0.1%
66.7%	462.8	469.5	6.7	1.5%
67.9%	462.7	466.1	3.4	0.7%
69.1%	462.0	463.4	1.4	0.3%
70.4%	454.9	462.9	8.0	1.8%
71.6%	436.4	450.2	13.8	3.2%
72.8%	434.6	448.9	14.3	3.3%
74.1%	434.2	436.3	2.1	0.5%
75.3%	433.0	435.6	2.6	0.6%
76.5%	430.9	434.9	4.0	0.9%
77.8%	430.6	431.8	1.2	0.3%
79.0%	416.0	424.1	8.1	1.9%
80.2%	414.4	415.7	1.3	0.3%
81.5%	413.5	408.1	-5.4	-1.3%
82.7%	400.3	401.4	1.0	0.3%
84.0%	387.5	391.8	4.3	1.1%
85.2%	386.8	387.3	0.5	0.1%
86.4%	386.5	386.7	0.2	0.1%
87.7%	344.4	348.2	3.8	1.1%
88.9%	335.8	344.7	8.8	2.6%
90.1%	325.6	331.4	5.7	1.8%
91.4%	324.0	329.4	5.4	1.7%
92.6%	315.5	315.9	0.4	0.1%
93.8%	304.9	310.9	6.0	2.0%
95.1%	303.0	299.3	-3.6	-1.2%
96.3%	256.7	254.8	-1.9	-0.7%
97.5%	253.7	250.0	-3.6	-1.4%
98.8%	250.3	245.1	-5.2	-2.1%
100.0%	232.2	234.6	2.5	1.1%

August				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2078.2	2237.4	159.1	7.7%
1.2%	2064.1	2152.2	88.1	4.3%
2.5%	2037.3	2079.4	42.1	2.1%
3.7%	2027.8	2045.5	17.7	0.9%
4.9%	1984.0	1990.2	6.2	0.3%
6.2%	1983.5	1980.5	-3.0	-0.2%
7.4%	1872.8	1957.5	84.6	4.5%
8.6%	1860.6	1893.6	33.0	1.8%
9.9%	1827.9	1868.3	40.4	2.2%
11.1%	1814.0	1853.5	39.5	2.2%
12.3%	1810.0	1836.8	26.9	1.5%
13.6%	1772.9	1796.2	23.3	1.3%
14.8%	1743.5	1775.7	32.3	1.9%
16.0%	1736.2	1771.6	35.4	2.0%
17.3%	1714.7	1731.3	16.6	1.0%
18.5%	1680.4	1706.6	26.2	1.6%
19.8%	1676.5	1673.1	-3.4	-0.2%
21.0%	1647.8	1660.9	13.1	0.8%
22.2%	1619.8	1602.9	-16.9	-1.0%
23.5%	1601.9	1594.3	-7.6	-0.5%
24.7%	1552.6	1591.2	38.7	2.5%
25.9%	1543.3	1587.2	44.0	2.8%
27.2%	1489.6	1550.1	60.5	4.1%
28.4%	1469.6	1532.0	62.4	4.2%
29.6%	1455.8	1500.2	44.4	3.0%
30.9%	1454.2	1495.1	40.9	2.8%
32.1%	1427.1	1488.7	61.6	4.3%
33.3%	1425.0	1479.6	54.6	3.8%
34.6%	1419.4	1472.2	52.8	3.7%
35.8%	1411.6	1456.5	44.9	3.2%
37.0%	1404.3	1442.0	37.7	2.7%
38.3%	1395.5	1405.5	10.0	0.7%
39.5%	1391.4	1403.8	12.4	0.9%
40.7%	1378.7	1377.5	-1.2	-0.1%
42.0%	1378.1	1374.9	-3.2	-0.2%
43.2%	1338.0	1373.1	35.1	2.6%
44.4%	1319.4	1352.0	32.6	2.5%
45.7%	1314.3	1346.1	31.8	2.4%
46.9%	1302.1	1338.9	36.8	2.8%
48.1%	1293.5	1325.0	31.5	2.4%
49.4%	1291.7	1314.6	22.9	1.8%
50.6%	1279.5	1312.4	32.9	2.6%
51.9%	1277.5	1290.5	13.0	1.0%
53.1%	1249.0	1281.4	32.4	2.6%
54.3%	1242.7	1271.7	29.0	2.3%
55.6%	1240.1	1269.3	29.3	2.4%
56.8%	1232.1	1265.4	33.3	2.7%
58.0%	1230.4	1261.8	31.4	2.6%
59.3%	1206.2	1254.5	48.3	4.0%
60.5%	1204.8	1220.1	15.3	1.3%
61.7%	1186.2	1206.8	20.7	1.7%
63.0%	1146.3	1167.8	21.5	1.9%
64.2%	1122.1	1165.6	43.5	3.9%
65.4%	1121.4	1133.5	12.1	1.1%
66.7%	1112.4	1121.4	9.0	0.8%
67.9%	1110.9	1121.1	10.2	0.9%
69.1%	1108.8	1117.8	9.0	0.8%
70.4%	1105.4	1117.2	11.9	1.1%
71.6%	1101.5	1114.8	13.3	1.2%
72.8%	1086.1	1105.5	19.4	1.8%
74.1%	1039.4	1065.2	25.9	2.5%
75.3%	1039.2	1060.4	21.2	2.0%
76.5%	1037.8	1047.8	10.1	1.0%
77.8%	1027.3	1047.3	20.0	1.9%
79.0%	1020.4	1045.9	25.5	2.5%
80.2%	1005.0	1006.6	1.6	0.2%
81.5%	994.3	1006.2	11.8	1.2%
82.7%	989.9	1000.8	10.8	1.1%
84.0%	989.4	996.1	6.7	0.7%
85.2%	989.3	941.6	-47.6	-4.8%
86.4%	971.6	939.7	-31.9	-3.3%
87.7%	968.9	931.1	-37.8	-3.9%
88.9%	938.2	930.4	-7.8	-0.8%
90.1%	935.6	924.9	-10.7	-1.1%
91.4%	924.9	917.9	-7.1	-0.8%
92.6%	922.6	895.5	-27.1	-2.9%
93.8%	918.6	888.4	-30.2	-3.3%
95.1%	914.3	871.5	-42.8	-4.7%
96.3%	843.7	863.1	19.4	2.3%
97.5%	811.0	744.1	-66.9	-8.2%
98.8%	774.5	729.1	-45.5	-5.9%
100.0%	749.3	610.4	-138.9	-18.5%

September				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	3085.1	3041.4	-43.7	-1.4%
1.2%	2715.6	2776.8	61.2	2.3%
2.5%	2693.8	2755.0	61.2	2.3%
3.7%	2670.8	2719.7	48.9	1.8%
4.9%	2638.3	2676.6	38.4	1.5%
6.2%	2631.4	2676.1	44.6	1.7%
7.4%	2619.3	2658.6	39.3	1.5%
8.6%	2615.2	2590.4	-24.8	-0.9%
9.9%	2604.2	2589.1	-15.1	-0.6%
11.1%	2593.5	2560.4	-33.1	-1.3%
12.3%	2552.3	2559.5	7.2	0.3%
13.6%	2528.1	2558.0	30.0	1.2%
14.8%	2510.7	2458.8	-51.9	-2.1%
16.0%	2501.6	2455.7	-45.9	-1.8%
17.3%	2499.4	2439.0	-60.4	-2.4%
18.5%	2498.3	2428.5	-69.8	-2.8%
19.8%	2482.9	2417.7	-65.2	-2.6%
21.0%	2458.5	2416.3	-42.1	-1.7%
22.2%	2457.6	2408.4	-49.1	-2.0%
23.5%	2455.5	2401.2	-54.3	-2.2%
24.7%	2442.4	2391.0	-51.5	-2.1%
25.9%	2426.1	2378.5	-47.7	-2.0%
27.2%	2399.3	2369.7	-29.6	-1.2%
28.4%	2391.5	2368.1	-23.4	-1.0%
29.6%	2379.9	2353.8	-26.1	-1.1%
30.9%	2354.4	2351.2	-3.3	-0.1%
32.1%	2344.3	2340.9	-3.4	-0.1%
33.3%	2343.8	2327.3	-16.5	-0.7%
34.6%	2322.5	2324.5	2.0	0.1%
35.8%	2280.1	2312.3	32.2	1.4%
37.0%	2272.4	2311.1	38.7	1.7%
38.3%	2249.6	2307.3	57.7	2.6%
39.5%	2242.7	2304.0	61.3	2.7%
40.7%	2241.7	2263.7	22.0	1.0%
42.0%	2226.1	2251.7	25.6	1.1%
43.2%	2219.1	2218.0	-1.1	0.0%
44.4%	2194.1	2200.2	6.1	0.3%
45.7%	2186.7	2195.8	9.1	0.4%
46.9%	2176.5	2185.7	9.2	0.4%
48.1%	2148.9	2184.7	35.8	1.7%
49.4%	2127.3	2151.8	24.5	1.2%
50.6%	2070.8	2114.0	43.3	2.1%
51.9%	2040.8	2015.0	-25.9	-1.3%
53.1%	2004.1	2004.3	0.2	0.0%
54.3%	1954.9	1991.9	36.9	1.9%
55.6%	1126.6	1109.7	-16.9	-1.5%
56.8%	1113.1	1109.1	-4.0	-0.4%
58.0%	1110.6	1096.4	-14.1	-1.3%
59.3%	1108.9	1029.1	-79.8	-7.2%
60.5%	1081.1	1005.2	-76.0	-7.0%
61.7%	1069.9	988.0	-81.9	-7.7%
63.0%	1045.6	985.8	-59.8	-5.7%
64.2%	996.1	980.8	-15.3	-1.5%
65.4%	989.2	966.2	-23.0	-2.3%
66.7%	955.1	946.5	-8.6	-0.9%
67.9%	915.7	945.6	29.9	3.3%
69.1%	915.5	928.7	13.3	1.4%
70.4%	903.3	922.1	18.8	2.1%
71.6%	897.7	895.3	-2.4	-0.3%
72.8%	892.0	884.0	-7.9	-0.9%
74.1%	890.2	874.0	-16.3	-1.8%
75.3%	881.8	864.0	-17.8	-2.0%
76.5%	872.6	854.2	-18.4	-2.1%
77.8%	851.9	845.8	-6.1	-0.7%
79.0%	833.4	833.4	0.0	0.0%
80.2%	829.6	812.6	-17.1	-2.1%
81.5%	813.1	799.9	-13.2	-1.6%
82.7%	804.1	796.7	-7.4	-0.9%
84.0%	727.8	686.1	-41.7	-5.7%
85.2%	692.8	639.7	-53.2	-7.7%
86.4%	590.3	621.2	30.8	5.2%
87.7%	568.6	615.4	46.8	8.2%
88.9%	512.0	520.0	8.0	1.6%
90.1%	510.9	515.8	5.0	1.0%
91.4%	508.5	511.6	3.1	0.6%
92.6%	502.5	510.3	7.7	1.5%
93.8%	491.1	506.6	15.5	3.2%
95.1%	448.4	473.7	25.3	5.7%
96.3%	423.1	433.8	10.7	2.5%
97.5%	415.9	429.6	13.7	3.3%
98.8%	370.4	394.5	24.2	6.5%
100.0%	366.8	325.5	-41.3	-11.3%

Figure SQ-27-b
Old River at Rock Slough, Monthly EC
Probability of Exceedance

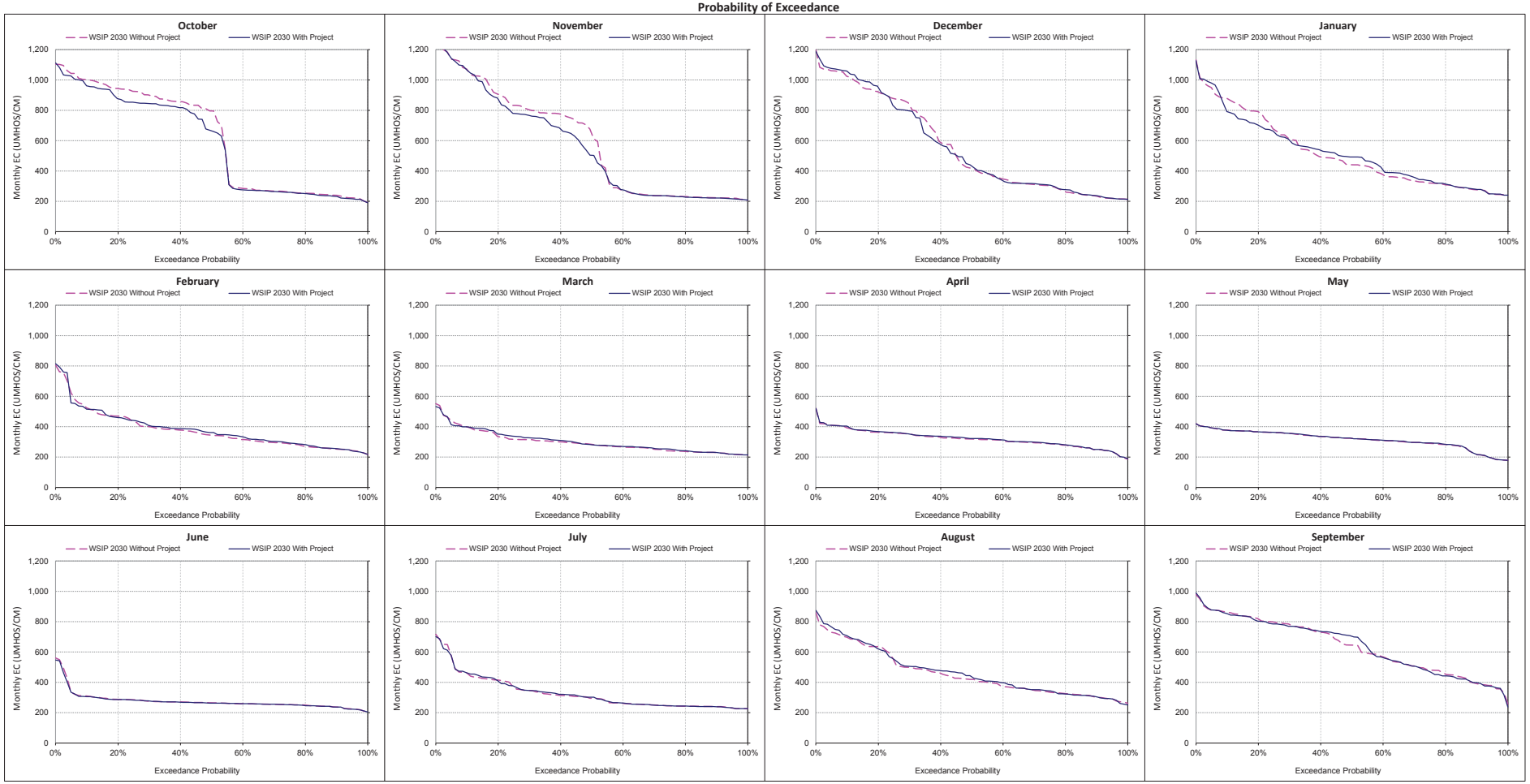


Table SQ-27-b

Old River at Rock Slough, Monthly EC
Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1104.0	1112.1	8.2	0.7%
1.2%	1102.5	1080.9	-21.6	-2.0%
2.5%	1095.9	1033.9	-62.1	-5.7%
3.7%	1061.5	1029.6	-31.9	-3.0%
4.9%	1043.4	1025.9	-17.5	-1.7%
6.2%	1042.9	1004.3	-38.6	-3.7%
7.4%	1011.4	1000.6	-10.8	-1.1%
8.6%	1004.4	996.2	-8.3	-0.8%
9.9%	1003.1	961.4	-41.7	-4.2%
11.1%	999.2	957.1	-42.1	-4.2%
12.3%	993.9	954.6	-39.3	-3.9%
13.6%	984.8	944.8	-40.0	-4.1%
14.8%	977.5	941.0	-36.5	-3.7%
16.0%	969.0	939.0	-30.0	-3.1%
17.3%	952.5	935.8	-16.7	-1.8%
18.5%	945.0	902.6	-42.5	-4.5%
19.8%	944.6	878.3	-66.3	-7.0%
21.0%	940.4	871.2	-69.2	-7.4%
22.2%	938.8	855.9	-82.9	-8.8%
23.5%	935.6	854.0	-81.6	-8.7%
24.7%	925.4	853.5	-71.9	-7.8%
25.9%	924.4	849.6	-74.8	-8.1%
27.2%	922.2	847.1	-75.1	-8.1%
28.4%	902.6	846.5	-56.0	-6.2%
29.6%	902.2	845.4	-56.8	-6.3%
30.9%	894.4	843.5	-50.8	-5.7%
32.1%	892.3	843.1	-49.1	-5.5%
33.3%	875.1	835.1	-40.0	-4.6%
34.6%	874.3	832.3	-42.0	-4.8%
35.8%	868.2	832.2	-36.0	-4.1%
37.0%	861.0	825.7	-35.3	-4.1%
38.3%	859.2	824.1	-35.0	-4.1%
39.5%	857.1	818.3	-38.9	-4.5%
40.7%	856.4	817.7	-38.7	-4.5%
42.0%	847.8	806.9	-40.9	-4.8%
43.2%	834.6	784.6	-50.0	-6.0%
44.4%	833.7	776.9	-56.8	-6.8%
45.7%	833.6	742.9	-90.7	-10.9%
46.9%	811.1	740.6	-70.5	-8.7%
48.1%	810.4	676.5	-134.0	-16.5%
49.4%	796.0	668.9	-127.2	-16.0%
50.6%	795.9	660.8	-135.1	-17.0%
51.9%	724.8	650.2	-74.6	-10.3%
53.1%	702.3	631.8	-70.5	-10.0%
54.3%	544.3	537.7	-6.7	-1.2%
55.6%	310.4	308.4	-2.0	-0.6%
56.8%	291.9	285.0	-6.8	-2.3%
58.0%	290.5	280.8	-9.7	-3.3%
59.3%	287.0	276.2	-10.7	-3.7%
60.5%	283.7	275.5	-8.1	-2.9%
61.7%	282.9	273.3	-9.6	-3.4%
63.0%	281.7	272.7	-9.0	-3.2%
64.2%	273.0	271.6	-1.5	-0.5%
65.4%	272.7	271.4	-1.3	-0.5%
66.7%	271.3	270.2	-1.1	-0.4%
67.9%	270.0	267.8	-2.2	-0.8%
69.1%	268.4	265.4	-3.0	-1.1%
70.4%	267.2	263.8	-3.3	-1.3%
71.6%	267.0	262.2	-4.8	-1.8%
72.8%	266.6	261.9	-4.7	-1.8%
74.1%	262.8	258.9	-3.9	-1.5%
75.3%	257.4	258.8	1.5	0.6%
76.5%	257.2	255.6	-1.6	-0.6%
77.8%	255.1	252.9	-2.2	-0.9%
79.0%	253.6	252.8	-0.9	-0.3%
80.2%	253.1	250.9	-2.3	-0.9%
81.5%	252.9	247.5	-5.4	-2.1%
82.7%	251.7	246.2	-5.5	-2.2%
84.0%	246.6	239.9	-6.7	-2.7%
85.2%	245.3	239.3	-5.9	-2.4%
86.4%	244.1	237.2	-6.9	-2.8%
87.7%	243.5	236.7	-6.8	-2.8%
88.9%	240.2	233.4	-6.7	-2.8%
90.1%	239.9	232.7	-7.2	-3.0%
91.4%	234.3	222.4	-11.9	-5.1%
92.6%	226.8	220.8	-6.0	-2.6%
93.8%	223.6	218.2	-5.5	-2.4%
95.1%	222.7	217.1	-5.6	-2.5%
96.3%	220.8	213.9	-6.9	-3.1%
97.5%	215.9	213.9	-2.0	-0.9%
98.8%	202.3	201.0	-1.4	-0.7%
100.0%	191.1	190.9	-0.3	-0.1%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1276.4	1308.7	32.3	2.5%
1.2%	1231.8	1265.1	33.3	2.7%
2.5%	1199.3	1211.7	12.4	1.0%
3.7%	1184.1	1180.0	-4.1	-0.3%
4.9%	1136.3	1143.2	6.9	0.6%
6.2%	1133.2	1121.7	-11.5	-1.0%
7.4%	1126.0	1099.3	-26.7	-2.4%
8.6%	1082.0	1095.5	13.5	1.2%
9.9%	1072.7	1067.0	-5.7	-0.5%
11.1%	1037.2	1046.2	9.1	0.9%
12.3%	1027.1	1033.8	6.7	0.7%
13.6%	1026.5	994.2	-32.3	-3.1%
14.8%	1022.1	988.1	-34.0	-3.3%
16.0%	1006.3	933.9	-72.4	-7.2%
17.3%	958.6	907.2	-51.4	-5.4%
18.5%	919.2	889.1	-30.1	-3.3%
19.8%	907.0	880.3	-26.7	-2.9%
21.0%	897.7	835.9	-61.8	-6.9%
22.2%	884.1	827.8	-56.3	-6.4%
23.5%	849.2	805.7	-43.5	-5.1%
24.7%	833.3	780.2	-53.2	-6.4%
25.9%	833.0	779.0	-54.1	-6.5%
27.2%	829.2	774.7	-54.5	-6.6%
28.4%	814.8	772.5	-42.3	-5.2%
29.6%	805.4	767.6	-37.8	-4.7%
30.9%	798.7	760.4	-38.2	-4.8%
32.1%	797.1	759.4	-37.7	-4.7%
33.3%	783.4	752.2	-31.2	-4.0%
34.6%	783.4	750.4	-33.0	-4.2%
35.8%	781.2	725.8	-55.4	-7.1%
37.0%	780.4	699.2	-81.2	-10.4%
38.3%	780.2	693.4	-86.8	-11.1%
39.5%	777.1	686.5	-90.6	-11.7%
40.7%	769.6	662.4	-107.2	-13.9%
42.0%	758.3	655.8	-102.5	-13.5%
43.2%	750.1	648.0	-102.1	-13.6%
44.4%	739.3	630.5	-108.8	-14.7%
45.7%	717.1	606.0	-111.1	-15.5%
46.9%	716.2	569.0	-147.2	-20.6%
48.1%	704.1	538.9	-165.1	-23.5%
49.4%	676.3	503.5	-172.8	-25.6%
50.6%	611.6	503.1	-108.5	-17.7%
51.9%	593.9	453.1	-140.8	-23.7%
53.1%	437.2	434.2	-3.0	-0.7%
54.3%	419.7	398.6	-21.2	-5.0%
55.6%	314.9	329.0	14.1	4.5%
56.8%	289.5	306.1	16.6	5.7%
58.0%	289.4	304.1	14.7	5.1%
59.3%	276.4	278.6	2.2	0.8%
60.5%	271.9	273.4	1.6	0.6%
61.7%	260.7	262.0	1.4	0.5%
63.0%	252.2	254.6	2.4	1.0%
64.2%	250.7	248.7	-2.0	-0.8%
65.4%	248.1	244.2	-4.0	-1.6%
66.7%	244.1	240.9	-3.2	-1.3%
67.9%	241.9	238.6	-3.3	-1.4%
69.1%	237.9	238.5	0.6	0.2%
70.4%	237.5	238.0	0.5	0.2%
71.6%	236.8	237.7	0.9	0.4%
72.8%	236.7	236.6	-0.1	0.0%
74.1%	235.6	236.5	0.9	0.4%
75.3%	235.5	233.5	-2.0	-0.8%
76.5%	234.3	231.4	-2.9	-1.2%
77.8%	232.6	230.1	-2.6	-1.1%
79.0%	232.1	229.5	-2.6	-1.1%
80.2%	230.9	226.6	-4.3	-1.8%
81.5%	229.4	226.5	-2.9	-1.3%
82.7%	228.2	225.1	-3.1	-1.4%
84.0%	227.0	224.4	-2.6	-1.1%
85.2%	225.9	223.8	-2.1	-0.9%
86.4%	225.0	223.5	-1.6	-0.7%
87.7%	224.8	222.6	-2.2	-1.0%
88.9%	223.9	222.0	-1.9	-0.8%
90.1%	223.5	221.7	-1.7	-0.8%
91.4%	222.0	221.6	-0.3	-0.1%
92.6%	221.9	220.5	-1.4	-0.6%
93.8%	221.7	218.3	-3.4	-1.6%
95.1%	220.6	216.7	-4.0	-1.8%
96.3%	220.0	214.8	-5.2	-2.4%
97.5%	213.6	214.1	0.5	0.2%
98.8%	212.9	210.8	-2.1	-1.0%
100.0%	207.3	207.5	0.2	0.1%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1200.2	1187.6	-12.6	-1.1%
1.2%	1083.7	1138.3	54.6	5.0%
2.5%	1071.6	1093.4	21.8	2.0%
3.7%	1069.8	1082.4	12.6	1.2%
4.9%	1060.7	1076.0	15.3	1.4%
6.2%	1059.5	1072.3	12.9	1.2%
7.4%	1055.0	1068.3	13.3	1.3%
8.6%	1052.7	1063.1	10.4	1.0%
9.9%	1024.3	1059.5	35.2	3.4%
11.1%	1017.0	1037.8	20.7	2.0%
12.3%	997.1	1034.4	37.3	3.7%
13.6%	983.2	1002.0	18.8	1.9%
14.8%	951.6	997.4	45.8	4.8%
16.0%	941.0	988.5	47.6	5.1%
17.3%	939.5	987.6	48.1	5.1%
18.5%	928.1	964.0	35.9	3.9%
19.8%	923.6	960.2	36.6	4.0%
21.0%	911.2	916.8	5.7	0.6%
22.2%	907.1	902.7	-4.4	-0.5%
23.5%	887.3	889.4	2.2	0.2%
24.7%	878.6	832.8	-45.8	-5.2%
25.9%	872.5	806.5	-66.0	-7.6%
27.2%	871.3	803.9	-67.5	-7.7%
28.4%	862.2	801.8	-60.4	-7.0%
29.6%	849.4	796.9	-52.5	-6.2%
30.9%	802.7	794.2	-8.4	-1.1%
32.1%	796.2	752.0	-44.2	-5.6%
33.3%	763.3	749.8	-13.5	-1.8%
34.6%	750.7	652.1	-98.6	-13.1%
35.8%	720.2	634.8	-85.5	-11.9%
37.0%	683.7	617.8	-65.9	-9.6%
38.3%	656.2	595.6	-60.6	-9.2%
39.5%	594.6	580.7	-14.0	-2.4%
40.7%	578.5	566.5	-12.0	-2.1%
42.0%	575.6	559.1	-16.5	-2.9%
43.2%	574.6	517.1	-57.5	-10.0%
44.4%	519.8	511.7	-8.1	-1.6%
45.7%	472.8	493.9	21.1	4.5%
46.9%	443.8	493.3	49.5	11.2%
48.1%	425.6	449.3	23.7	5.6%
49.4%	419.6	441.4	21.7	5.2%
50.6%	414.2	421.3	7.1	1.7%
51.9%	397.3	402.7	5.4	1.4%
53.1%	385.5	401.0	15.5	4.0%
54.3%	384.3	391.7	7.4	1.9%
55.6%	382.3	378.7	-3.5	-0.9%
56.8%	363.7	374.8	11.1	3.0%
58.0%	362.4	354.6	-7.8	-2.1%
59.3%	350.0	343.9	-6.0	-1.7%
60.5%	345.0	329.9	-15.1	-4.4%
61.7%	339.1	322.6	-16.6	-4.9%
63.0%	324.9	320.0	-4.9	-1.5%
64.2%	322.9	318.7	-4.2	-1.3%
65.4%	320.4	318.6	-1.8	-0.6%
66.7%	315.1	318.2	3.0	1.0%
67.9%	314.8	318.0	3.2	1.0%
69.1%	312.6	317.9	5.3	1.7%
70.4%	310.5	316.8	6.3	2.0%
71.6%	308.1	312.4	4.3	1.4%
72.8%	305.2	310.8	5.6	1.8%
74.1%	304.7	309.0	4.4	1.4%
75.3%	300.9	305.7	4.8	1.6%
76.5%	292.8	296.3	3.5	1.2%
77.8%	281.8	282.7	0.9	0.3%
79.0%	273.1	278.3	5.2	1.9%
80.2%	260.5	276.7	16.2	6.2%
81.5%	257.7	275.6	17.9	6.9%
82.7%	252.9	260.5	7.7	3.0%
84.0%	252.0	256.0	4.0	1.6%
85.2%	246.1	245.9	-0.2	-0.1%
86.4%	241.9	243.9	2.0	0.8%
87.7%	239.8	241.9	2.1	0.9%
88.9%	238.3	239.0	0.7	0.3%
90.1%	233.5	237.8	4.3	1.8%
91.4%	225.9	232.8	6.9	3.1%
92.6%	221.1	225.4	4.3	1.9%
93.8%	220.5	221.1	0.6	0.3%
95.1%	218.5	220.8	2.3	1.1%
96.3%	218.3	216.4	-2.0	-0.9%
97.5%	215.9	215.1	-0.8	-0.4%
98.8%	215.0	214.7	-0.3	-0.2%
100.0%	213.3	213.5	0.2	0.1%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1133.0	1128.2	-4.8	-0.4%
1.2%	1018.8	1007.6	-11.2	-1.1%
2.5%	981.7	1006.4	24.6	2.5%
3.7%	962.3	990.6	28.4	2.9%
4.9%	949.2	980.2	31.0	3.3%
6.2%	905.0	965.9	60.9	6.7%
7.4%	889.0	916.7	27.6	3.1%
8.6%	880.9	852.6	-28.3	-3.2%
9.9%	879.1	791.4	-87.7	-10.0%
11.1%	864.2	783.5	-80.7	-9.3%
12.3%	850.3	774.4	-75.9	-8.9%
13.6%	842.5	744.5	-98.0	-11.6%
14.8%	818.6	740.8	-77.8	-9.5%
16.0%	802.3	734.7	-67.6	-8.4%
17.3%	796.2	719.0	-77.3	-9.7%
18.5%	796.1	714.2	-81.9	-10.3%
19.8%	792.7	705.1	-87.6	-11.1%
21.0%	778.4	690.1	-88.3	-11.3%
22.2%	738.7	675.8	-62.9	-8.5%
23.5%	720.1	673.3	-46.8	-6.5%
24.7%	678.1	663.2	-14.9	-2.2%
25.9%	661.0	637.9	-23.2	-3.5%
27.2%	637.9	625.2	-12.7	-2.0%
28.4%	637.7	622.9	-14.8	-2.3%
29.6%	616.0	610.9	-5.1	-0.8%
30.9%	605.0	583.5	-21.5	-3.6%
32.1%	601.9	570.9	-31.0	-5.2%
33.3%	546.1	566.0	19.9	3.6%
34.6%	542.0	563.0	21.0	3.9%
35.8%	539.3	559.4	20.1	3.7%
37.0%	526.0	552.9	26.9	5.1%
38.3%	508.9	546.0	37.1	7.3%
39.5%	495.6	540.4	44.9	9.1%
40.7%	488.4	529.5	41.1	8.4%
42.0%	487.5	526.6	39.1	8.0%
43.2%	486.3	522.7	36.4	7.5%
44.4%	481.8	520.0	38.2	7.9%
45.7%	474.5	502.2	27.6	5.8%
46.9%	468.3	498.1	29.8	6.4%
48.1%	444.1	495.2	51.0	11.5%
49.4%	441.4	492.4	51.1	11.6%
50.6%	440.6	492.3	51.6	11.7%
51.9%	440.5	492.1	51.5	11.7%
53.1%	434.9	490.6	55.7	12.8%
54.3%	434.1	466.3	32.2	7.4%
55.6%	427.3	464.1	36.7	8.6%
56.8%	416.8	456.0	39.3	9.4%
58.0%	391.7	444.9	53.2	13.6%
59.3%	383.2	426.1	42.9	11.2%
60.5%	368.7	391.0	22.2	6.0%
61.7%	362.1	389.7	27.6	7.6%
63.0%	361.9	388.7	26.9	7.4%
64.2%	359.2	387.2	28.0	7.8%
65.4%	355.0	385.7	30.7	8.6%
66.7%	354.7	376.9	22.2	6.3%
67.9%	342.8	372.6	29.8	8.7%
69.1%	337.0	363.2	26.2	7.8%
70.4%	333.4	354.6	21.2	6.3%
71.6%	328.3	343.2	14.9	4.5%
72.8%	327.2	343.1	15.9	4.9%
74.1%	320.6	337.4	16.8	5.2%
75.3%	320.1	334.0	13.8	4.3%
76.5%	319.0	321.0	1.9	0.6%
77.8%	317.9	318.9	1.0	0.3%
79.0%	313.2	318.6	5.5	1.8%
80.2%	308.2	313.0	4.9	1.6%
81.5%	307.4	307.4	0.0	0.0%
82.7%	295.8	298.6	2.8	0.9%
84.0%	294.5	294.2	-0.3	-0.1%
85.2%	290.2	290.9	0.6	0.2%
86.4%	285.0	290.1	5.1	1.8%
87.7%	281.9	284.9	3.0	1.0%
88.9%	278.0	281.6	3.6	1.3%
90.1%	275.9	279.1	3.1	1.1%
91.4%	274.6	277.9	3.3	1.2%
92.6%	271.4	267.6	-3.8	-1.4%
93.8%	251.0	249.1	-1.9	-0.8%
95.1%	247.7	249.0	1.3	0.5%
96.3%	245.7	248.2	2.4	1.0%
97.5%	244.8	247.3	2.5	1.0%
98.8%	243.8	241.2	-2.6	-1.1%
100.0%	240.8	240.8	0.1	0.0%

Table SQ-27-b

Old River at Rock Slough, Monthly EC
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	804.6	814.3	9.7	1.2%
1.2%	762.0	792.5	30.5	4.0%
2.5%	757.8	759.4	1.6	0.2%
3.7%	702.2	757.4	55.3	7.9%
4.9%	623.4	557.0	-66.4	-10.7%
6.2%	579.3	552.6	-26.7	-4.6%
7.4%	556.2	536.0	-20.2	-3.6%
8.6%	548.2	533.9	-14.3	-2.6%
9.9%	524.1	515.9	-8.2	-1.6%
11.1%	514.3	513.9	-0.4	-0.1%
12.3%	508.4	513.0	4.6	0.9%
13.6%	485.4	509.7	24.3	5.0%
14.8%	478.6	509.1	30.5	6.4%
16.0%	475.0	479.7	4.7	1.0%
17.3%	474.5	467.9	-6.6	-1.4%
18.5%	470.2	464.5	-5.7	-1.2%
19.8%	470.0	459.8	-10.1	-2.2%
21.0%	467.6	458.8	-8.8	-1.9%
22.2%	464.9	451.2	-13.7	-2.9%
23.5%	454.4	442.7	-11.6	-2.6%
24.7%	433.9	441.6	7.7	1.8%
25.9%	428.3	438.6	10.3	2.4%
27.2%	403.6	430.1	26.5	6.6%
28.4%	401.4	425.4	23.9	6.0%
29.6%	400.9	409.2	8.3	2.1%
30.9%	397.4	402.0	4.6	1.2%
32.1%	390.7	401.5	10.8	2.8%
33.3%	388.4	400.9	12.5	3.2%
34.6%	384.8	397.5	12.7	3.3%
35.8%	382.9	395.0	12.1	3.2%
37.0%	382.0	388.4	6.4	1.7%
38.3%	380.9	388.2	7.2	1.9%
39.5%	377.8	387.3	9.5	2.5%
40.7%	376.5	386.3	9.8	2.6%
42.0%	372.0	385.7	13.7	3.7%
43.2%	370.5	384.6	14.2	3.8%
44.4%	364.3	383.9	19.6	5.4%
45.7%	360.6	379.0	18.5	5.1%
46.9%	351.9	370.2	18.2	5.2%
48.1%	347.4	365.3	18.0	5.2%
49.4%	344.7	360.8	16.1	4.7%
50.6%	341.6	360.7	19.1	5.6%
51.9%	341.5	348.3	6.8	2.0%
53.1%	340.0	348.0	8.0	2.4%
54.3%	339.1	347.0	8.0	2.4%
55.6%	327.9	345.4	17.4	5.3%
56.8%	322.5	342.6	20.1	6.2%
58.0%	322.0	340.1	18.1	5.6%
59.3%	315.2	336.2	21.0	6.7%
60.5%	314.8	330.1	15.3	4.9%
61.7%	312.9	320.0	7.1	2.3%
63.0%	305.8	317.0	11.2	3.7%
64.2%	305.8	316.1	10.4	3.4%
65.4%	302.1	314.2	12.1	4.0%
66.7%	298.7	313.7	15.0	5.0%
67.9%	297.0	306.9	9.9	3.3%
69.1%	296.7	303.8	7.1	2.4%
70.4%	295.0	302.3	7.2	2.5%
71.6%	294.8	300.7	6.0	2.0%
72.8%	292.1	299.7	7.6	2.6%
74.1%	290.4	295.4	5.0	1.7%
75.3%	285.6	291.1	5.5	1.9%
76.5%	284.0	289.7	5.6	2.0%
77.8%	281.5	285.9	4.4	1.5%
79.0%	274.1	283.9	9.9	3.6%
80.2%	268.6	280.6	11.9	4.4%
81.5%	267.1	273.4	6.3	2.4%
82.7%	264.4	272.6	8.2	3.1%
84.0%	263.4	265.8	2.4	0.9%
85.2%	260.3	260.3	0.0	0.0%
86.4%	259.7	259.3	-0.4	-0.1%
87.7%	256.0	258.6	2.6	1.0%
88.9%	254.0	256.1	2.0	0.8%
90.1%	252.2	255.4	3.2	1.3%
91.4%	250.7	252.5	1.8	0.7%
92.6%	250.6	250.5	-0.1	0.0%
93.8%	248.5	248.8	0.4	0.1%
95.1%	242.1	240.3	-1.7	-0.7%
96.3%	239.7	236.5	-3.2	-1.3%
97.5%	235.6	232.7	-2.9	-1.2%
98.8%	226.2	226.2	0.0	0.0%
100.0%	216.4	217.0	0.7	0.3%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	551.5	532.8	-18.6	-3.4%
1.2%	539.3	523.4	-16.0	-3.0%
2.5%	474.7	477.4	2.7	0.6%
3.7%	462.9	464.9	2.0	0.4%
4.9%	440.2	413.2	-27.0	-6.1%
6.2%	424.2	406.4	-17.8	-4.2%
7.4%	415.6	405.1	-10.5	-2.5%
8.6%	404.8	399.5	-5.3	-1.3%
9.9%	399.8	399.1	-0.7	-0.2%
11.1%	390.8	394.9	4.1	1.0%
12.3%	379.4	389.8	10.4	2.7%
13.6%	377.0	389.5	12.5	3.3%
14.8%	373.9	389.0	15.1	4.0%
16.0%	370.2	385.5	15.3	4.1%
17.3%	368.9	375.2	6.3	1.7%
18.5%	361.2	373.8	12.6	3.5%
19.8%	335.8	350.8	15.0	4.5%
21.0%	330.6	348.8	18.2	5.5%
22.2%	329.8	344.5	14.7	4.5%
23.5%	318.4	340.8	22.4	7.0%
24.7%	317.2	336.5	19.4	6.1%
25.9%	315.7	335.2	19.5	6.2%
27.2%	315.2	333.8	18.5	5.9%
28.4%	314.8	327.6	12.7	4.0%
29.6%	314.3	327.1	12.8	4.1%
30.9%	314.3	324.8	10.5	3.4%
32.1%	308.1	322.9	14.7	4.8%
33.3%	307.9	322.8	14.9	4.8%
34.6%	306.6	319.7	13.1	4.3%
35.8%	305.9	317.9	12.0	3.9%
37.0%	302.9	313.2	10.3	3.4%
38.3%	302.7	311.8	9.1	3.0%
39.5%	299.8	309.8	10.0	3.3%
40.7%	299.4	308.4	9.1	3.0%
42.0%	295.5	305.5	10.0	3.4%
43.2%	295.1	302.6	7.5	2.5%
44.4%	292.5	297.4	4.9	1.7%
45.7%	290.1	292.4	2.3	0.8%
46.9%	289.8	285.4	-4.4	-1.5%
48.1%	287.7	284.5	-3.2	-1.1%
49.4%	285.1	282.0	-3.2	-1.1%
50.6%	281.7	278.9	-2.9	-1.0%
51.9%	278.4	278.1	-0.4	-0.1%
53.1%	276.0	277.2	1.2	0.4%
54.3%	274.0	276.9	2.9	1.1%
55.6%	270.5	274.5	3.9	1.5%
56.8%	269.6	274.4	4.8	1.8%
58.0%	268.5	271.0	2.6	1.0%
59.3%	267.4	270.8	3.4	1.3%
60.5%	264.9	269.7	4.8	1.8%
61.7%	264.3	268.9	4.6	1.7%
63.0%	263.6	268.1	4.5	1.7%
64.2%	263.2	265.9	2.7	1.0%
65.4%	262.6	264.9	2.4	0.9%
66.7%	261.7	264.2	2.5	1.0%
67.9%	259.1	261.8	2.6	1.0%
69.1%	253.8	259.5	5.8	2.3%
70.4%	250.5	255.2	4.7	1.9%
71.6%	250.2	253.6	3.5	1.4%
72.8%	250.1	253.6	3.5	1.4%
74.1%	241.0	253.5	12.5	5.2%
75.3%	240.8	251.1	10.3	4.3%
76.5%	239.0	248.5	9.5	4.0%
77.8%	238.6	243.0	4.4	1.9%
79.0%	238.3	241.3	3.0	1.3%
80.2%	236.2	241.2	5.0	2.1%
81.5%	234.5	237.3	2.8	1.2%
82.7%	233.9	234.3	0.3	0.1%
84.0%	232.0	232.7	0.7	0.3%
85.2%	231.7	231.8	0.1	0.0%
86.4%	230.7	231.6	0.9	0.4%
87.7%	230.4	230.8	0.4	0.2%
88.9%	230.2	230.7	0.5	0.2%
90.1%	229.7	230.2	0.4	0.2%
91.4%	225.2	225.5	0.3	0.1%
92.6%	225.2	224.9	-0.2	-0.1%
93.8%	219.4	219.4	0.0	0.0%
95.1%	218.5	218.6	0.0	0.0%
96.3%	217.1	218.3	1.2	0.6%
97.5%	215.2	215.2	0.0	0.0%
98.8%	214.8	214.6	-0.1	-0.1%
100.0%	212.4	213.9	1.5	0.7%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	521.0	520.4	-0.6	-0.1%
1.2%	421.3	427.8	6.6	1.6%
2.5%	418.8	425.8	7.0	1.7%
3.7%	418.8	408.7	-10.1	-2.4%
4.9%	408.5	408.7	0.2	0.0%
6.2%	407.7	408.3	0.6	0.1%
7.4%	407.0	405.6	-1.4	-0.3%
8.6%	405.5	404.7	-0.8	-0.2%
9.9%	392.9	404.1	11.2	2.9%
11.1%	387.0	389.8	2.8	0.7%
12.3%	378.6	379.9	1.3	0.4%
13.6%	376.5	378.2	1.7	0.5%
14.8%	375.7	376.9	1.1	0.3%
16.0%	372.5	376.3	3.8	1.0%
17.3%	364.6	372.5	8.0	2.2%
18.5%	364.3	369.6	5.2	1.4%
19.8%	363.7	367.5	3.7	1.0%
21.0%	362.7	366.5	3.8	1.0%
22.2%	362.1	364.8	2.7	0.7%
23.5%	361.8	363.0	1.3	0.4%
24.7%	358.8	362.6	3.8	1.1%
25.9%	357.0	359.1	2.2	0.6%
27.2%	355.9	358.8	2.9	0.8%
28.4%	354.5	354.7	0.1	0.0%
29.6%	352.0	353.1	1.0	0.3%
30.9%	348.6	348.1	-0.5	-0.1%
32.1%	341.4	344.6	3.2	0.9%
33.3%	341.2	342.1	1.0	0.3%
34.6%	337.9	341.5	3.7	1.1%
35.8%	335.0	340.3	5.4	1.6%
37.0%	334.1	339.4	5.4	1.6%
38.3%	333.0	337.8	4.8	1.4%
39.5%	332.8	336.6	3.8	1.1%
40.7%	326.2	335.4	9.2	2.8%
42.0%	325.6	334.7	9.1	2.8%
43.2%	325.3	333.7	8.4	2.6%
44.4%	325.1	330.9	5.8	1.8%
45.7%	321.3	330.2	8.9	2.8%
46.9%	321.2	328.3	7.0	2.2%
48.1%	319.7	325.2	5.5	1.7%
49.4%	318.6	322.4	3.8	1.2%
50.6%	318.0	321.6	3.6	1.1%
51.9%	316.9	321.5	4.5	1.4%
53.1%	315.2	321.3	6.1	1.9%
54.3%	314.8	319.6	4.8	1.5%
55.6%	314.1	319.5	5.4	1.7%
56.8%	313.4	317.5	4.1	1.3%
58.0%	312.2	315.8	3.6	1.2%
59.3%	312.2	313.6	1.4	0.4%
60.5%	302.4	311.8	9.4	3.1%
61.7%	302.3	303.9	1.6	0.5%
63.0%	301.4	302.5	1.1	0.4%
64.2%	299.6	301.6	2.0	0.7%
65.4%	299.2	300.9	1.7	0.6%
66.7%	298.2	300.9	2.8	0.9%
67.9%	296.8	300.5	3.7	1.3%
69.1%	295.5	299.3	3.9	1.3%
70.4%	293.8	297.9	4.1	1.4%
71.6%	293.5	295.6	2.1	0.7%
72.8%	289.6	293.7	4.1	1.4%
74.1%	289.0	291.5	2.4	0.8%
75.3%	287.8	288.1	0.2	0.1%
76.5%	285.7	287.2	1.4	0.5%
77.8%	285.3	285.3	0.0	0.0%
79.0%	278.7	282.9	4.1	1.5%
80.2%	278.2	278.7	0.5	0.2%
81.5%	272.2	278.2	6.0	2.2%
82.7%	269.5	272.4	2.9	1.1%
84.0%	268.6	269.8	1.2	0.4%
85.2%	261.6	266.9	5.2	2.0%
86.4%	261.1	260.9	-0.2	-0.1%
87.7%	260.8	260.1	-0.7	-0.3%
88.9%	249.8	250.0	0.2	0.1%
90.1%	249.4	250.0	0.6	0.2%
91.4%	247.7	249.5	1.8	0.7%
92.6%	243.2	243.6	0.4	0.1%
93.8%	240.7	241.0	0.3	0.1%
95.1%	234.5	235.3	0.7	0.3%
96.3%	222.1	221.4	-0.6	-0.3%
97.5%	202.4	202.8	0.4	0.2%
98.8%	194.1	199.0	4.9	2.5%
100.0%	185.6	187.9	2.3	1.3%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	419.8	419.8	0.0	0.0%
1.2%	405.6	405.1	-0.5	-0.1%
2.5%	402.1	400.1	-2.0	-0.5%
3.7%	398.8	398.9	0.1	0.0%
4.9%	391.9	392.6	0.6	0.2%
6.2%	388.4	388.7	0.3	0.1%
7.4%	380.3	386.2	5.9	1.6%
8.6%	378.0	378.0	0.1	0.0%
9.9%	377.1	377.1	0.0	0.0%
11.1%	376.0	373.0	-3.0	-0.8%
12.3%	373.9	372.8	-1.1	-0.3%
13.6%	372.4	372.7	0.3	0.1%
14.8%	372.0	372.4	0.4	0.1%
16.0%	371.8	372.2	0.4	0.1%
17.3%	371.5	371.7	0.2	0.0%
18.5%	366.9	367.0	0.1	0.0%
19.8%	366.5	365.6	-0.9	-0.3%
21.0%	363.8	364.5	0.6	0.2%
22.2%	363.3	364.0	0.8	0.2%
23.5%	363.2	363.2	0.0	0.0%
24.7%	363.0	363.2	0.2	0.1%
25.9%	359.8	361.1	1.3	0.4%
27.2%	359.5	360.5	1.0	0.3%
28.4%	357.3	357.2	-0.1	0.0%
29.6%	356.9	356.8	-0.1	0.0%
30.9%	353.9	354.5	0.5	0.2%
32.1%	349.9	352.0	2.1	0.6%
33.3%	347.2	350.5	3.2	0.9%
34.6%	343.3	347.2	3.9	1.1%
35.8%	343.0	344.2	1.2	0.3%
37.0%	341.2	341.3	0.2	0.1%
38.3%	339.3	339.3	0.0	0.0%
39.5%	335.4	335.9	0.5	0.1%
40.7%	335.3	335.5	0.2	0.1%
42.0%	334.6	334.8	0.2	0.1%
43.2%	330.8	331.2	0.4	0.1%
44.4%	328.1	328.5	0.4	0.1%
45.7%	328.0	328.1	0.2	0.0%
46.9%	325.8	325.9	0.1	0.0%
48.1%	324.2	325.7	1.5	0.5%
49.4%	323.8	324.5	0.7	0.2%
50.6%	321.9	321.0	-0.8	-0.3%
51.9%	320.1	320.3	0.2	0.0%
53.1%	319.4	319.3	-0.1	0.0%
54.3%	319.1	316.8	-2.3	-0.7%
55.6%	316.5	314.5	-2.0	-0.6%
56.8%	312.8	313.1	0.3	0.1%
58.0%	310.2	312.8	2.6	0.9%
59.3%	309.2	310.9	1.7	0.6%
60.5%	307.9	309.2	1.3	0.4%
61.7%	306.8	308.9	2.1	0.7%
63.0%	306.8	307.4	0.6	0.2%
64.2%	303.1	306.7	3.6	1.2%
65.4%	302.8	304.3	1.5	0.5%
66.7%	300.0	304.3	4.2	1.4%
67.9%	298.2	298.2	0.0	0.0%
69.1%	296.2	296.9	0.7	0.2%
70.4%	295.6	296.1	0.5	0.2%
71.6%	295.3	295.7	0.4	0.1%
72.8%	293.5	293.1	-0.4	-0.1%
74.1%	290.6	292.8	2.2	0.8%
75.3%	289.7	292.1	2.3	0.8%
76.5%	288.5	291.4	3.0	1.0%
77.8%	284.1	290.6	6.5	2.3%
79.0%	283.0	286.2	3.3	1.2%
80.2%	282.3	282.9	0.6	0.2%
81.5%	279.9	282.1	2.2	0.8%
82.7%	275.8	279.9	4.2	1.5%
84.0%	275.0	276.3	1.4	0.5%
85.2%	264.4	272.1	7.7	2.9%
86.4%	260.8	261.0	0.2	0.1%
87.7%	239.4	239.7	0.2	0.1%
88.9%	225.1	226.8	1.8	0.8%
90.1%	214.6	215.0	0.4	0.2%
91.4%	214.1	214.9	0.8	0.4%
92.6%	208.4	210.0	1.6	0.8%
93.8%	198.2	198.8	0.6	0.3%
95.1%	191.3	191.6	0.3	0.2%
96.3%	182.7	183.6	0.9	0.5%
97.5%	181.7	182.1	0.5	0.3%
98.8%	179.7	180.1	0.4	0.2%
100.0%	178.0	178.2	0.2	0.1%

Table SQ-27-b

Old River at Rock Slough, Monthly EC
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	560.6	546.0	-14.5	-2.6%
1.2%	548.7	542.4	-6.3	-1.1%
2.5%	496.2	463.0	-33.1	-6.7%
3.7%	426.2	403.9	-22.3	-5.2%
4.9%	334.4	334.7	0.3	0.1%
6.2%	321.3	322.0	0.7	0.2%
7.4%	313.2	306.9	-6.3	-2.0%
8.6%	310.8	306.8	-4.0	-1.3%
9.9%	309.8	306.1	-3.7	-1.2%
11.1%	307.0	305.3	-1.7	-0.5%
12.3%	303.0	302.7	-0.3	-0.1%
13.6%	301.4	299.0	-2.4	-0.8%
14.8%	295.5	295.6	0.2	0.1%
16.0%	295.4	289.2	-6.1	-2.1%
17.3%	290.6	288.8	-1.8	-0.6%
18.5%	288.7	286.8	-1.9	-0.6%
19.8%	288.2	286.7	-1.5	-0.5%
21.0%	287.5	286.2	-1.3	-0.4%
22.2%	286.5	286.1	-0.4	-0.1%
23.5%	286.0	285.5	-0.4	-0.2%
24.7%	285.1	283.3	-1.8	-0.6%
25.9%	284.6	281.3	-3.3	-1.2%
27.2%	282.5	281.2	-1.3	-0.5%
28.4%	278.7	278.4	-0.3	-0.1%
29.6%	275.4	278.2	2.8	1.0%
30.9%	274.1	275.0	1.0	0.4%
32.1%	272.8	274.1	1.3	0.5%
33.3%	272.7	273.0	0.3	0.1%
34.6%	271.8	271.4	-0.3	-0.1%
35.8%	271.4	270.8	-0.7	-0.2%
37.0%	271.3	270.7	-0.7	-0.2%
38.3%	271.1	270.4	-0.7	-0.3%
39.5%	270.8	269.3	-1.5	-0.6%
40.7%	270.5	267.6	-3.0	-1.1%
42.0%	269.4	267.3	-2.1	-0.8%
43.2%	267.9	267.1	-0.8	-0.3%
44.4%	267.2	266.3	-0.9	-0.3%
45.7%	267.0	265.6	-1.5	-0.6%
46.9%	267.0	265.3	-1.7	-0.6%
48.1%	266.0	264.8	-1.3	-0.5%
49.4%	265.2	263.2	-2.0	-0.8%
50.6%	264.6	263.2	-1.5	-0.5%
51.9%	264.3	263.0	-1.3	-0.5%
53.1%	263.5	262.9	-0.5	-0.2%
54.3%	262.1	262.2	0.1	0.0%
55.6%	261.3	261.3	0.1	0.0%
56.8%	260.4	260.5	0.1	0.0%
58.0%	258.9	260.2	1.3	0.5%
59.3%	258.9	259.9	1.0	0.4%
60.5%	258.5	259.3	0.7	0.3%
61.7%	257.9	259.2	1.2	0.5%
63.0%	257.8	258.4	0.6	0.2%
64.2%	257.6	258.4	0.8	0.3%
65.4%	256.7	257.7	1.1	0.4%
66.7%	256.6	256.5	-0.1	0.0%
67.9%	256.2	256.4	0.2	0.1%
69.1%	254.8	256.1	1.3	0.5%
70.4%	254.7	255.4	0.7	0.3%
71.6%	254.7	254.5	-0.1	-0.1%
72.8%	253.6	254.3	0.7	0.3%
74.1%	253.2	253.0	-0.3	-0.1%
75.3%	252.6	252.5	-0.1	-0.1%
76.5%	252.2	250.6	-1.6	-0.6%
77.8%	251.8	250.4	-1.4	-0.5%
79.0%	251.2	249.6	-1.6	-0.6%
80.2%	249.2	246.2	-3.1	-1.2%
81.5%	246.2	245.5	-0.7	-0.3%
82.7%	245.1	245.0	-0.2	-0.1%
84.0%	243.4	243.4	0.0	0.0%
85.2%	243.1	242.5	-0.6	-0.2%
86.4%	242.0	242.4	0.4	0.2%
87.7%	241.8	242.0	0.2	0.1%
88.9%	238.6	236.9	-1.7	-0.7%
90.1%	236.8	236.7	-0.1	0.0%
91.4%	236.8	236.6	-0.1	-0.1%
92.6%	227.1	226.7	-0.4	-0.2%
93.8%	226.9	224.1	-2.8	-1.2%
95.1%	224.1	223.6	-0.5	-0.2%
96.3%	222.3	221.7	-0.6	-0.3%
97.5%	219.8	217.8	-2.0	-0.9%
98.8%	210.4	210.6	0.2	0.1%
100.0%	203.6	203.8	0.2	0.1%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	716.7	701.7	-15.0	-2.1%
1.2%	681.9	688.0	6.1	0.9%
2.5%	650.7	622.3	-28.4	-4.4%
3.7%	648.8	611.2	-37.7	-5.8%
4.9%	574.6	575.5	0.9	0.2%
6.2%	490.9	487.7	-3.2	-0.7%
7.4%	468.0	473.4	5.3	1.1%
8.6%	466.0	472.6	6.6	1.4%
9.9%	462.7	463.0	0.2	0.1%
11.1%	440.5	454.9	14.4	3.3%
12.3%	434.6	454.8	20.2	4.6%
13.6%	433.4	445.7	12.4	2.9%
14.8%	425.6	436.2	10.6	2.5%
16.0%	422.9	434.4	11.5	2.7%
17.3%	420.2	431.4	11.3	2.7%
18.5%	416.5	427.0	10.5	2.5%
19.8%	415.4	411.6	-3.8	-0.9%
21.0%	412.4	391.6	-20.8	-5.0%
22.2%	406.8	390.3	-16.6	-4.1%
23.5%	401.8	379.5	-22.3	-5.5%
24.7%	372.6	376.7	4.1	1.1%
25.9%	354.6	365.0	10.3	2.9%
27.2%	353.0	352.7	-0.3	-0.1%
28.4%	347.4	348.3	0.9	0.2%
29.6%	346.3	346.1	-0.2	-0.1%
30.9%	345.8	345.5	-0.4	-0.1%
32.1%	336.6	344.1	7.5	2.2%
33.3%	336.5	338.5	2.0	0.6%
34.6%	325.2	337.0	11.7	3.6%
35.8%	323.1	333.7	10.6	3.3%
37.0%	319.5	331.7	12.2	3.8%
38.3%	318.1	327.7	9.6	3.0%
39.5%	314.7	320.2	5.5	1.7%
40.7%	313.5	320.2	6.7	2.1%
42.0%	312.4	319.8	7.4	2.4%
43.2%	310.8	317.5	6.7	2.1%
44.4%	306.6	317.4	10.8	3.5%
45.7%	306.6	310.3	3.7	1.2%
46.9%	305.7	305.8	0.1	0.0%
48.1%	304.0	302.7	-1.3	-0.4%
49.4%	295.1	302.3	7.2	2.4%
50.6%	294.3	301.4	7.2	2.4%
51.9%	292.8	290.1	-2.8	-0.9%
53.1%	290.7	288.9	-1.8	-0.6%
54.3%	282.3	277.6	-4.7	-1.7%
55.6%	266.0	273.5	7.5	2.8%
56.8%	264.5	265.7	1.3	0.5%
58.0%	264.4	265.3	0.9	0.4%
59.3%	263.1	264.5	1.4	0.5%
60.5%	259.9	262.0	2.1	0.8%
61.7%	259.1	259.1	0.0	0.0%
63.0%	259.0	255.5	-3.5	-1.4%
64.2%	255.8	255.4	-0.4	-0.1%
65.4%	255.2	255.1	-0.1	-0.1%
66.7%	253.9	254.6	0.6	0.3%
67.9%	253.0	253.8	0.7	0.3%
69.1%	251.8	250.9	-0.9	-0.4%
70.4%	250.2	248.6	-1.6	-0.7%
71.6%	248.6	247.9	-0.7	-0.3%
72.8%	246.9	246.7	-0.1	-0.1%
74.1%	245.8	246.3	0.5	0.2%
75.3%	244.8	244.8	0.0	0.0%
76.5%	244.6	243.5	-1.1	-0.4%
77.8%	243.8	243.4	-0.4	-0.2%
79.0%	243.0	243.1	0.1	0.0%
80.2%	242.7	243.0	0.2	0.1%
81.5%	242.3	242.2	-0.1	0.0%
82.7%	242.3	242.0	-0.2	-0.1%
84.0%	242.2	241.2	-1.0	-0.4%
85.2%	241.2	241.2	0.0	0.0%
86.4%	241.2	240.7	-0.4	-0.2%
87.7%	240.8	240.6	-0.2	-0.1%
88.9%	240.2	239.9	-0.3	-0.1%
90.1%	239.9	239.3	-0.7	-0.3%
91.4%	239.6	238.5	-1.2	-0.5%
92.6%	237.9	234.5	-3.4	-1.4%
93.8%	232.8	233.8	0.9	0.4%
95.1%	230.1	232.7	2.6	1.1%
96.3%	226.8	227.2	0.4	0.2%
97.5%	226.8	227.1	0.3	0.2%
98.8%	226.4	226.9	0.5	0.2%
100.0%	225.7	226.9	1.1	0.5%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	859.8	873.5	13.7	1.6%
1.2%	779.0	834.1	55.0	7.1%
2.5%	768.1	785.9	17.8	2.3%
3.7%	746.1	782.5	36.4	4.9%
4.9%	729.5	766.1	36.5	5.0%
6.2%	724.8	749.5	24.6	3.4%
7.4%	714.8	743.5	28.7	4.0%
8.6%	703.4	715.8	12.4	1.8%
9.9%	698.1	707.8	9.7	1.4%
11.1%	685.8	694.0	8.2	1.2%
12.3%	685.1	685.6	0.5	0.1%
13.6%	674.5	682.3	7.8	1.2%
14.8%	654.0	668.2	14.1	2.2%
16.0%	638.7	655.8	17.0	2.7%
17.3%	636.2	651.7	15.4	2.4%
18.5%	636.1	641.3	5.2	0.8%
19.8%	635.2	621.7	-13.5	-2.1%
21.0%	633.8	612.1	-21.6	-3.4%
22.2%	611.7	605.7	-6.0	-1.0%
23.5%	594.6	569.2	-25.4	-4.3%
24.7%	557.0	557.6	0.5	0.1%
25.9%	506.5	538.9	32.4	6.4%
27.2%	504.4	517.1	12.8	2.5%
28.4%	500.3	507.9	7.7	1.5%
29.6%	499.4	506.2	6.8	1.4%
30.9%	496.3	504.7	8.5	1.7%
32.1%	489.5	504.7	15.1	3.1%
33.3%	488.7	497.1	8.4	1.7%
34.6%	484.5	495.7	11.2	2.3%
35.8%	481.1	490.1	8.9	1.9%
37.0%	469.8	486.0	16.1	3.4%
38.3%	466.0	480.0	14.1	3.0%
39.5%	464.2	477.9	13.8	3.0%
40.7%	452.6	475.7	23.0	5.1%
42.0%	445.4	474.2	28.9	6.5%
43.2%	440.6	470.3	29.7	6.7%
44.4%	427.4	468.3	40.9	9.6%
45.7%	427.3	463.7	36.4	8.5%
46.9%	424.7	460.5	35.8	8.4%
48.1%	422.0	444.9	22.9	5.4%
49.4%	419.6	444.6	25.0	6.0%
50.6%	419.1	427.6	8.5	2.0%
51.9%	404.7	421.1	16.4	4.0%
53.1%	404.6	416.3	11.8	2.9%
54.3%	403.0	409.0	6.0	1.5%
55.6%	398.1	407.6	9.4	2.4%
56.8%	395.3	406.3	11.0	2.8%
58.0%	392.6	404.1	11.5	2.9%
59.3%	376.4	398.7	22.3	5.9%
60.5%	371.2	396.2	24.9	6.7%
61.7%	369.3	385.9	16.6	4.5%
63.0%	364.6	381.7	17.2	4.7%
64.2%	362.3	362.7	0.4	0.1%
65.4%	362.1	362.7	0.6	0.2%
66.7%	361.7	360.6	-1.1	-0.3%
67.9%	354.6	355.7	1.1	0.3%
69.1%	351.0	351.5	0.6	0.2%
70.4%	346.1	351.5	5.5	1.6%
71.6%	344.4	351.2	6.8	2.0%
72.8%	339.6	348.9	9.4	2.8%
74.1%	338.8	344.5	5.7	1.7%
75.3%	333.5	344.0	10.5	3.1%
76.5%	332.3	337.1	4.7	1.4%
77.8%	331.1	324.8	-6.3	-1.9%
79.0%	327.4	324.1	-3.3	-1.0%
80.2%	325.0	322.8	-2.2	-0.7%
81.5%	324.6	321.6	-3.0	-0.9%
82.7%	320.3	316.6	-3.8	-1.2%
84.0%	319.4	316.1	-3.3	-1.0%
85.2%	317.1	314.9	-2.2	-0.7%
86.4%	314.5	314.5	0.0	0.0%
87.7%	314.0	310.3	-3.7	-1.2%
88.9%	306.1	309.7	3.6	1.2%
90.1%	299.8	303.3	3.5	1.2%
91.4%	299.8	297.2	-2.6	-0.9%
92.6%	295.6	293.4	-2.2	-0.7%
93.8%	292.1	292.6	0.5	0.2%
95.1%	291.3	290.1	-1.1	-0.4%
96.3%	276.6	281.5	4.9	1.8%
97.5%	271.9	261.1	-10.8	-4.0%
98.8%	269.5	255.9	-13.6	-5.1%
100.0%	261.6	250.6	-11.1	-4.2%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	978.5	990.6	12.0	1.2%
1.2%	951.0	958.2	7.2	0.8%
2.5%	904.4	912.8	8.5	0.9%
3.7%	886.4	891.2	4.9	0.5%
4.9%	875.2	877.5	2.2	0.3%
6.2%	875.0	876.0	1.0	0.1%
7.4%	873.1	872.4	-0.7	-0.1%
8.6%	866.8	860.6	-6.2	-0.7%
9.9%	863.6	853.2	-10.4	-1.2%
11.1%	858.6	843.6	-15.0	-1.7%
12.3%	850.4	843.5	-7.0	-0.8%
13.6%	848.9	839.6	-9.4	-1.1%
14.8%	838.2	838.0	-0.2	0.0%
16.0%	834.2	835.9	1.7	0.2%
17.3%	834.1	831.7	-2.4	-0.3%
18.5%	826.8	814.1	-12.7	-1.5%
19.8%	820.9	804.2	-16.7	-2.0%
21.0%	804.2	802.4	-1.9	-0.2%
22.2%	802.0	800.4	-1.5	-0.2%
23.5%	799.8	787.6	-12.2	-1.5%
24.7%	797.8	785.4	-12.5	-1.6%
25.9%	792.1	784.9	-7.2	-0.9%
27.2%	792.0	780.6	-11.4	-1.4%
28.4%	787.0	777.4	-9.5	-1.2%
29.6%	785.1	770.2	-14.8	-1.9%
30.9%	773.3	768.8	-4.5	-0.6%
32.1%	767.7	768.2	0.4	0.1%
33.3%	764.8	759.9	-4.9	-0.6%
34.6%	764.6	758.2	-6.4	-0.8%
35.8%	759.3	752.1	-7.2	-1.0%
37.0%	746.6	744.1	-2.5	-0.3%
38.3%	734.9	743.3	8.4	1.1%
39.5%	730.4	736.8	6.4	0.9%
40.7%	728.9	734.1	5.2	0.7%
42.0%	724.2	733.4	9.1	1.3%
43.2%	715.4	730.9	15.5	2.2%
44.4%	687.2	723.6	36.4	5.3%
45.7%	675.6	721.7	46.1	6.8%
46.9%	654.1	714.1	60.1	9.2%
48.1%	646.7	712.0	65.4	10.1%
49.4%	645.9	707.3	61.4	9.5%
50.6%	645.0	698.4	53.4	8.3%
51.9%	642.9	697.4	54.4	8.5%
53.1%	597.6	667.7	70.1	11.7%
54.3%	594.8	647.3	52.5	8.8%
55.6%	588.9	615.0	26.1	4.4%
56.8%	586.6	585.5	-1.2	-0.2%
58.0%	585.4	569.5	-15.8	-2.7%
59.3%	572.1	567.1	-5.0	-0.9%
60.5%	564.0	559.0	-5.0	-0.9%
61.7%	552.0	551.7	-0.3	-0.1%
63.0%	538.2	543.4	5.2	1.0%
64.2%	533.6	540.8	7.2	1.4%
65.4%	532.4	533.5	1.2	0.2%
66.7%	524.2	518.7	-5.6	-1.1%
67.9%	514.0	518.6	4.6	0.9%
69.1%	508.6	507.8	-0.8	-0.2%
70.4%	507.5	506.3	-1.2	-0.2%
71.6%	497.2	497.7	0.5	0.1%
72.8%	495.6	484.4	-11.2	-2.3%
74.1%	483.9	477.9	-6.0	-1.2%
75.3%	480.3	467.0	-13.3	-2.8%
76.5%	478.9	451.5	-27.4	-5.7%
77.8%	478.3	450.6	-27.7	-5.8%
79.0%	464.3	443.3	-21.0	-4.5%
80.2%	451.5	442.3	-9.2	-2.0%
81.5%	449.1	440.8	-8.2	-1.8%
82.7%	448.1	435.4	-12.8	-2.9%
84.0%	439.2	423.6	-15.6	-3.6%
85.2%	434.6	422.0	-12.6	-2.9%
86.4%	427.3	422.0	-5.4	-1.3%
87.7%	402.9	409.5	6.6	1.6%
88.9%	397.0	397.8	0.8	0.2%
90.1%	390.5	397.1	6.6	1.7%
91.4%	384.7	391.7	7.0	1.8%
92.6%	383.4	376.1	-7.3	-1.9%
93.8%	379.3	375.8	-3.5	-0.9%
95.1%	379.1	372.0	-7.0	-1.9%
96.3%	357.6	364.4	6.8	1.9%
97.5%	356.3	360.3	4.0	1.1%
98.8%	329.7	318.0	-11.8	-3.6%
100.0%	257.1	237.2	-20.0	-7.8%

Figure SQ-28-b
North Bay Aqueduct Intake (Barker Slough), Monthly EC
Probability of Exceedance

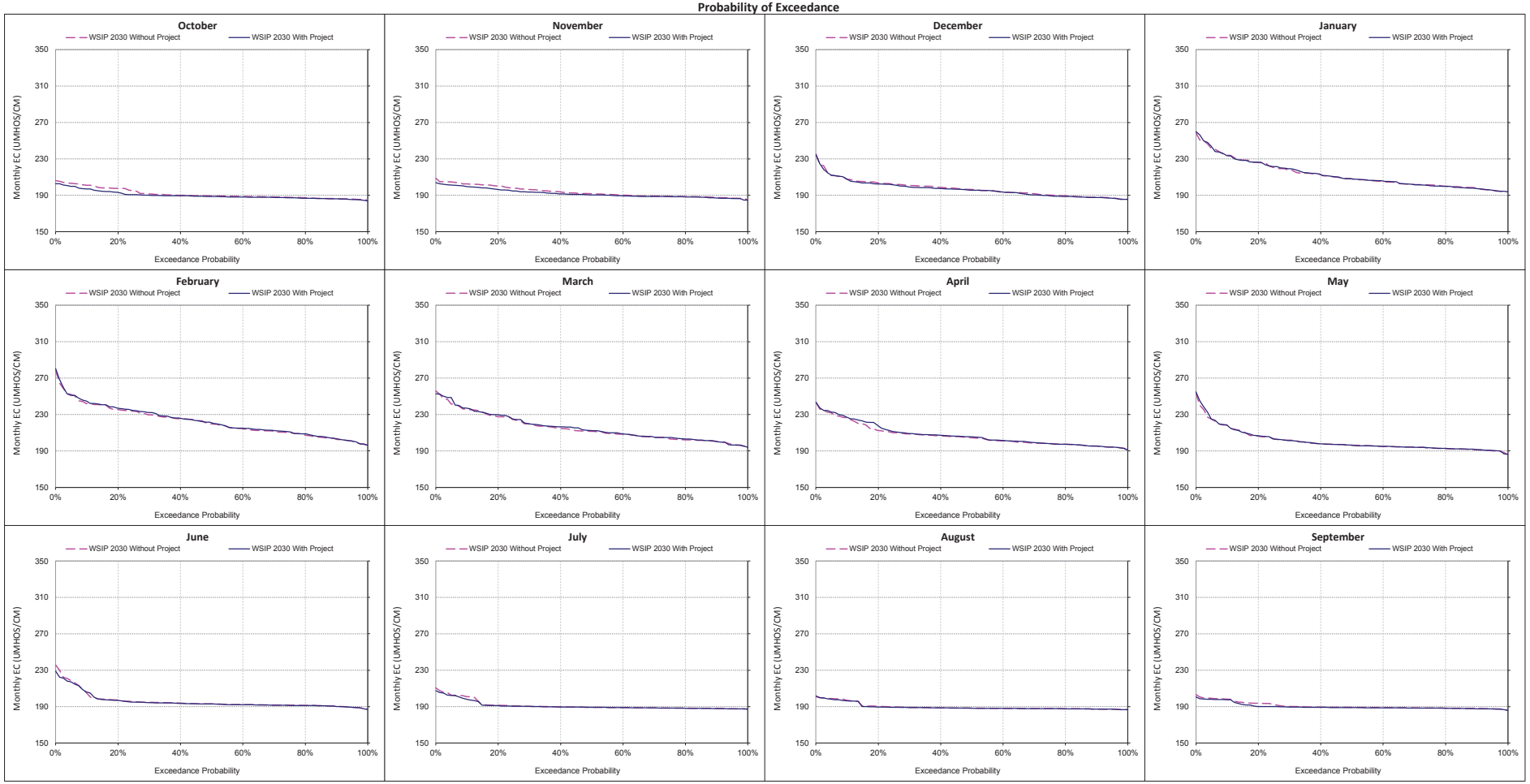


Table SQ-28-b

North Bay Aqueduct Intake (Barker Slough), Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	206.1	202.7	-3.4	-1.6%
1.2%	205.3	202.5	-2.8	-1.4%
2.5%	204.1	201.2	-2.9	-1.4%
3.7%	203.5	200.6	-2.8	-1.4%
4.9%	203.2	199.8	-3.4	-1.7%
6.2%	202.7	199.7	-3.0	-1.5%
7.4%	202.4	197.8	-4.6	-2.3%
8.6%	201.5	197.4	-4.1	-2.0%
9.9%	201.0	196.9	-4.1	-2.0%
11.1%	201.0	196.9	-4.1	-2.0%
12.3%	200.1	195.5	-4.6	-2.3%
13.6%	198.7	194.9	-3.8	-1.9%
14.8%	198.1	194.4	-3.7	-1.9%
16.0%	198.0	194.2	-3.8	-1.9%
17.3%	198.0	194.1	-3.9	-2.0%
18.5%	197.6	193.4	-4.2	-2.1%
19.8%	197.6	193.2	-4.3	-2.2%
21.0%	197.5	192.3	-5.2	-2.6%
22.2%	197.4	190.8	-6.6	-3.3%
23.5%	195.6	190.8	-4.8	-2.5%
24.7%	195.2	190.6	-4.6	-2.4%
25.9%	194.4	190.5	-3.9	-2.0%
27.2%	191.9	190.4	-1.4	-0.7%
28.4%	191.8	190.0	-1.8	-0.9%
29.6%	191.4	190.0	-1.4	-0.7%
30.9%	191.4	189.9	-1.5	-0.8%
32.1%	191.0	189.8	-1.2	-0.6%
33.3%	190.9	189.7	-1.1	-0.6%
34.6%	190.8	189.7	-1.2	-0.6%
35.8%	190.4	189.5	-0.9	-0.4%
37.0%	190.4	189.5	-0.9	-0.5%
38.3%	190.1	189.5	-0.7	-0.4%
39.5%	190.0	189.4	-0.5	-0.3%
40.7%	190.0	189.4	-0.5	-0.3%
42.0%	189.9	189.4	-0.5	-0.2%
43.2%	189.9	189.2	-0.6	-0.3%
44.4%	189.6	189.1	-0.6	-0.3%
45.7%	189.6	188.9	-0.7	-0.4%
46.9%	189.5	188.9	-0.6	-0.3%
48.1%	189.5	188.8	-0.7	-0.4%
49.4%	189.3	188.8	-0.5	-0.3%
50.6%	189.3	188.7	-0.6	-0.3%
51.9%	189.3	188.6	-0.7	-0.4%
53.1%	189.2	188.5	-0.7	-0.4%
54.3%	189.2	188.3	-0.8	-0.4%
55.6%	189.1	188.2	-0.9	-0.5%
56.8%	188.9	188.2	-0.7	-0.4%
58.0%	188.9	188.2	-0.7	-0.3%
59.3%	188.8	188.1	-0.6	-0.3%
60.5%	188.6	188.1	-0.5	-0.3%
61.7%	188.6	188.0	-0.6	-0.3%
63.0%	188.5	187.8	-0.7	-0.4%
64.2%	188.5	187.8	-0.7	-0.4%
65.4%	188.4	187.8	-0.6	-0.3%
66.7%	188.3	187.8	-0.5	-0.3%
67.9%	188.1	187.8	-0.4	-0.2%
69.1%	188.1	187.8	-0.4	-0.2%
70.4%	188.0	187.5	-0.5	-0.3%
71.6%	188.0	187.5	-0.5	-0.3%
72.8%	187.8	187.4	-0.4	-0.2%
74.1%	187.8	187.3	-0.6	-0.3%
75.3%	187.7	187.2	-0.5	-0.3%
76.5%	187.7	187.2	-0.5	-0.3%
77.8%	187.6	187.1	-0.5	-0.3%
79.0%	187.4	186.8	-0.5	-0.3%
80.2%	187.3	186.7	-0.7	-0.3%
81.5%	186.8	186.6	-0.2	-0.1%
82.7%	186.7	186.6	-0.1	-0.1%
84.0%	186.6	186.5	-0.1	-0.1%
85.2%	186.6	186.5	-0.1	0.0%
86.4%	186.5	186.3	-0.2	-0.1%
87.7%	186.3	186.2	-0.1	-0.1%
88.9%	186.3	186.2	-0.1	-0.1%
90.1%	186.2	186.0	-0.2	-0.1%
91.4%	186.1	185.9	-0.3	-0.2%
92.6%	186.1	185.7	-0.4	-0.2%
93.8%	186.0	185.6	-0.4	-0.2%
95.1%	185.8	185.4	-0.4	-0.2%
96.3%	185.5	185.3	-0.2	-0.1%
97.5%	185.3	185.0	-0.3	-0.2%
98.8%	185.1	184.3	-0.8	-0.5%
100.0%	184.6	183.9	-0.8	-0.4%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	208.7	203.9	-4.8	-2.3%
1.2%	205.0	202.7	-2.3	-1.1%
2.5%	204.9	202.1	-2.8	-1.3%
3.7%	204.8	201.4	-3.4	-1.6%
4.9%	204.7	201.2	-3.5	-1.7%
6.2%	204.1	201.0	-3.1	-1.5%
7.4%	203.9	200.6	-3.4	-1.6%
8.6%	202.5	200.5	-2.0	-1.0%
9.9%	202.5	199.4	-3.1	-1.5%
11.1%	202.2	199.2	-3.0	-1.5%
12.3%	202.0	198.8	-3.2	-1.6%
13.6%	201.9	198.6	-3.4	-1.7%
14.8%	201.4	198.1	-3.3	-1.7%
16.0%	201.3	198.0	-3.3	-1.7%
17.3%	201.2	197.4	-3.8	-1.9%
18.5%	200.5	196.8	-3.7	-1.9%
19.8%	200.2	196.5	-3.7	-1.8%
21.0%	200.1	195.9	-4.2	-2.1%
22.2%	199.0	195.8	-3.2	-1.6%
23.5%	198.3	195.4	-2.9	-1.4%
24.7%	197.7	194.7	-3.0	-1.5%
25.9%	197.7	194.7	-3.0	-1.5%
27.2%	196.9	193.9	-3.0	-1.5%
28.4%	196.8	193.7	-3.1	-1.6%
29.6%	196.3	193.6	-2.7	-1.4%
30.9%	196.1	193.6	-2.5	-1.3%
32.1%	196.0	193.3	-2.7	-1.4%
33.3%	195.2	193.2	-2.0	-1.0%
34.6%	195.1	192.9	-2.2	-1.1%
35.8%	194.7	192.5	-2.3	-1.2%
37.0%	194.3	192.1	-2.2	-1.1%
38.3%	194.2	192.1	-2.1	-1.1%
39.5%	193.8	191.6	-2.2	-1.1%
40.7%	193.2	191.5	-1.7	-0.9%
42.0%	193.1	191.2	-1.9	-1.0%
43.2%	192.6	191.0	-1.6	-0.8%
44.4%	192.5	191.0	-1.6	-0.8%
45.7%	192.0	190.9	-1.1	-0.6%
46.9%	191.9	190.8	-1.1	-0.6%
48.1%	191.9	190.7	-1.2	-0.6%
49.4%	191.7	190.5	-1.3	-0.7%
50.6%	191.6	190.5	-1.1	-0.6%
51.9%	191.3	190.4	-0.9	-0.5%
53.1%	191.3	190.3	-1.0	-0.5%
54.3%	191.0	190.2	-0.8	-0.4%
55.6%	190.9	190.1	-0.8	-0.4%
56.8%	190.8	189.8	-1.0	-0.5%
58.0%	190.5	189.6	-0.9	-0.5%
59.3%	190.1	189.4	-0.7	-0.4%
60.5%	190.0	189.2	-0.9	-0.5%
61.7%	189.9	189.1	-0.8	-0.4%
63.0%	189.7	189.1	-0.6	-0.3%
64.2%	189.5	189.0	-0.5	-0.3%
65.4%	189.3	188.8	-0.5	-0.3%
66.7%	189.3	188.8	-0.5	-0.2%
67.9%	189.1	188.8	-0.4	-0.2%
69.1%	189.1	188.8	-0.4	-0.2%
70.4%	189.1	188.7	-0.4	-0.2%
71.6%	189.0	188.7	-0.3	-0.2%
72.8%	188.9	188.7	-0.2	-0.1%
74.1%	188.8	188.6	-0.2	-0.1%
75.3%	188.8	188.4	-0.4	-0.2%
76.5%	188.8	188.3	-0.5	-0.3%
77.8%	188.7	188.3	-0.4	-0.2%
79.0%	188.5	188.2	-0.3	-0.1%
80.2%	188.5	188.2	-0.3	-0.2%
81.5%	188.5	188.1	-0.4	-0.2%
82.7%	188.4	188.0	-0.4	-0.2%
84.0%	188.3	188.0	-0.3	-0.2%
85.2%	188.2	187.9	-0.3	-0.1%
86.4%	188.1	187.7	-0.4	-0.2%
87.7%	188.0	187.3	-0.6	-0.3%
88.9%	187.9	187.1	-0.7	-0.4%
90.1%	187.4	186.9	-0.6	-0.3%
91.4%	187.3	186.6	-0.7	-0.4%
92.6%	187.3	186.6	-0.7	-0.4%
93.8%	187.1	186.6	-0.5	-0.3%
95.1%	186.8	186.5	-0.3	-0.2%
96.3%	186.7	186.4	-0.3	-0.2%
97.5%	186.6	186.3	-0.4	-0.2%
98.8%	186.3	184.8	-1.5	-0.8%
100.0%	185.3	184.7	-0.6	-0.3%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	235.4	234.6	-0.8	-0.4%
1.2%	224.0	224.6	0.6	0.3%
2.5%	222.5	218.2	-4.2	-1.9%
3.7%	215.5	215.0	-0.5	-0.2%
4.9%	211.7	212.1	0.3	0.2%
6.2%	211.5	211.4	-0.1	0.0%
7.4%	210.7	210.8	0.1	0.1%
8.6%	210.3	210.3	0.0	0.0%
9.9%	207.6	207.7	0.1	0.0%
11.1%	207.3	205.6	-1.7	-0.8%
12.3%	205.6	204.9	-0.7	-0.3%
13.6%	205.3	204.5	-0.8	-0.4%
14.8%	205.1	203.6	-1.5	-0.7%
16.0%	204.9	203.5	-1.3	-0.7%
17.3%	204.6	203.4	-1.2	-0.6%
18.5%	204.5	202.6	-1.9	-0.9%
19.8%	203.8	202.5	-1.3	-0.6%
21.0%	203.3	202.4	-0.9	-0.4%
22.2%	203.0	202.1	-0.9	-0.5%
23.5%	202.9	202.0	-0.9	-0.4%
24.7%	202.0	201.5	-0.5	-0.2%
25.9%	201.8	200.8	-1.0	-0.5%
27.2%	201.8	200.1	-1.6	-0.8%
28.4%	201.3	200.0	-1.2	-0.6%
29.6%	200.7	199.3	-1.5	-0.7%
30.9%	200.7	198.6	-2.1	-1.0%
32.1%	200.6	198.5	-2.1	-1.0%
33.3%	200.1	198.5	-1.6	-0.8%
34.6%	199.9	198.4	-1.5	-0.8%
35.8%	199.9	198.2	-1.7	-0.8%
37.0%	199.8	198.2	-1.6	-0.8%
38.3%	198.9	197.5	-1.4	-0.7%
39.5%	198.6	197.5	-1.1	-0.6%
40.7%	198.5	197.4	-1.1	-0.6%
42.0%	198.0	197.0	-1.0	-0.5%
43.2%	197.9	196.9	-1.0	-0.5%
44.4%	197.7	196.8	-0.9	-0.5%
45.7%	197.2	196.7	-0.5	-0.3%
46.9%	196.9	196.5	-0.5	-0.2%
48.1%	196.4	196.1	-0.3	-0.2%
49.4%	196.4	195.6	-0.8	-0.4%
50.6%	196.3	195.6	-0.7	-0.3%
51.9%	195.8	195.4	-0.4	-0.2%
53.1%	195.4	195.2	-0.2	-0.1%
54.3%	195.3	195.2	-0.1	-0.1%
55.6%	195.0	195.2	0.2	0.1%
56.8%	195.0	194.6	-0.4	-0.2%
58.0%	194.3	194.5	0.2	0.1%
59.3%	193.4	193.9	0.5	0.3%
60.5%	193.2	193.2	0.0	0.0%
61.7%	193.1	193.1	0.0	0.0%
63.0%	193.0	193.0	0.0	0.0%
64.2%	193.0	192.9	-0.1	0.0%
65.4%	192.9	192.1	-0.8	-0.4%
66.7%	192.6	191.6	-1.0	-0.5%
67.9%	192.5	190.9	-1.6	-0.8%
69.1%	191.9	190.4	-1.5	-0.8%
70.4%	191.6	190.4	-1.2	-0.6%
71.6%	190.9	190.0	-0.9	-0.5%
72.8%	190.5	189.9	-0.6	-0.3%
74.1%	190.4	189.7	-0.7	-0.4%
75.3%	190.2	189.1	-1.0	-0.5%
76.5%	189.9	189.1	-0.8	-0.4%
77.8%	189.9	189.0	-0.8	-0.4%
79.0%	189.6	188.8	-0.8	-0.4%
80.2%	189.4	188.7	-0.7	-0.4%
81.5%	188.9	188.6	-0.3	-0.1%
82.7%	188.9	188.3	-0.6	-0.3%
84.0%	188.5	188.1	-0.3	-0.2%
85.2%	188.3	188.0	-0.3	-0.2%
86.4%	188.1	187.8	-0.3	-0.2%
87.7%	187.8	187.6	-0.1	-0.1%
88.9%	187.8	187.6	-0.2	-0.1%
90.1%	187.7	187.6	-0.1	-0.1%
91.4%	187.7	187.5	-0.1	-0.1%
92.6%	187.6	187.3	-0.2	-0.1%
93.8%	187.4	186.9	-0.5	-0.3%
95.1%	186.9	186.8	-0.1	0.0%
96.3%	186.6	186.3	-0.3	-0.1%
97.5%	185.9	185.6	-0.2	-0.1%
98.8%	185.6	185.6	0.1	0.0%
100.0%	185.5	185.5	0.1	0.0%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	258.7	259.9	1.2	0.5%
1.2%	250.8	256.4	5.7	2.3%
2.5%	249.8	249.6	-0.2	-0.1%
3.7%	246.4	248.1	1.7	0.7%
4.9%	241.4	243.8	2.5	1.0%
6.2%	240.4	238.1	-2.4	-1.0%
7.4%	238.0	237.5	-0.6	-0.2%
8.6%	235.5	236.1	0.6	0.3%
9.9%	234.1	233.5	-0.5	-0.2%
11.1%	233.7	233.1	-0.6	-0.2%
12.3%	231.1	230.0	-1.1	-0.5%
13.6%	229.2	228.8	-0.4	-0.2%
14.8%	228.8	228.4	-0.4	-0.2%
16.0%	228.5	228.4	-0.1	-0.1%
17.3%	228.4	226.5	-1.9	-0.8%
18.5%	226.2	226.2	0.0	0.0%
19.8%	226.0	226.2	0.2	0.1%
21.0%	225.8	225.9	0.2	0.1%
22.2%	225.6	223.4	-2.1	-1.0%
23.5%	222.0	222.3	0.3	0.1%
24.7%	220.7	221.4	0.7	0.3%
25.9%	219.3	221.4	2.1	0.9%
27.2%	219.3	220.2	0.9	0.4%
28.4%	219.2	219.8	0.6	0.3%
29.6%	217.6	219.2	1.6	0.7%
30.9%	217.3	218.8	1.5	0.7%
32.1%	215.1	217.8	2.7	1.2%
33.3%	214.4	216.3	1.9	0.9%
34.6%	214.3	214.9	0.6	0.3%
35.8%	214.2	214.6	0.3	0.2%
37.0%	213.9	214.2	0.3	0.2%
38.3%	213.7	214.1	0.4	0.2%
39.5%	213.3	213.2	-0.2	-0.1%
40.7%	211.6	211.6	0.0	0.0%
42.0%	211.2	211.5	0.4	0.2%
43.2%	210.6	210.8	0.2	0.1%
44.4%	210.0	210.5	0.4	0.2%
45.7%	209.6	210.1	0.5	0.2%
46.9%	208.5	208.7	0.1	0.1%
48.1%	208.5	208.1	-0.4	-0.2%
49.4%	208.5	208.0	-0.5	-0.2%
50.6%	207.6	207.7	0.0	0.0%
51.9%	207.1	207.4	0.3	0.1%
53.1%	207.1	207.3	0.3	0.1%
54.3%	206.9	206.9	0.0	0.0%
55.6%	206.4	206.2	-0.1	-0.1%
56.8%	205.9	206.2	0.3	0.2%
58.0%	205.5	206.1	0.5	0.3%
59.3%	205.5	205.9	0.5	0.2%
60.5%	204.8	205.3	0.5	0.3%
61.7%	204.5	205.2	0.8	0.4%
63.0%	204.4	205.0	0.6	0.3%
64.2%	203.9	204.8	1.0	0.5%
65.4%	203.0	202.8	-0.2	-0.1%
66.7%	202.4	202.6	0.2	0.1%
67.9%	202.3	202.4	0.1	0.1%
69.1%	201.9	202.0	0.1	0.1%
70.4%	201.7	201.6	-0.1	-0.1%
71.6%	201.6	201.5	-0.1	-0.1%
72.8%	201.6	201.1	-0.5	-0.2%
74.1%	201.5	200.8	-0.7	-0.3%
75.3%	201.3	200.4	-0.9	-0.4%
76.5%	201.1	200.1	-1.0	-0.5%
77.8%	200.9	200.1	-0.8	-0.4%
79.0%	200.1	199.9	-0.2	-0.1%
80.2%	199.9	199.8	-0.1	-0.1%
81.5%	199.7	199.7	0.1	0.0%
82.7%	199.6	198.7	-0.8	-0.4%
84.0%	199.5	198.7	-0.8	-0.4%
85.2%	198.9	198.4	-0.5	-0.2%
86.4%	198.8	198.1	-0.7	-0.4%
87.7%	198.6	197.9	-0.7	-0.4%
88.9%	198.5	197.7	-0.7	-0.4%
90.1%	197.8	197.4	-0.5	-0.2%
91.4%	196.6	196.8	0.3	0.1%
92.6%	196.2	196.3	0.1	0.1%
93.8%	195.8	196.1	0.3	0.2%
95.1%	195.5	195.6	0.1	0.0%
96.3%	194.5	194.9	0.4	0.2%
97.5%	194.4	194.5	0.1	0.0%
98.8%	194.4	194.3	-0.1	0.0%
100.0%	193.5	193.9	0.4	0.2%

Table SQ-28-b

North Bay Aqueduct Intake (Barker Slough), Monthly EC
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	278.4	280.5	2.1	0.8%
1.2%	264.7	268.5	3.9	1.5%
2.5%	258.5	259.5	1.0	0.4%
3.7%	253.1	252.8	-0.3	-0.1%
4.9%	252.0	251.1	-0.9	-0.4%
6.2%	250.4	251.1	0.7	0.3%
7.4%	245.1	247.9	2.9	1.2%
8.6%	244.3	245.8	1.4	0.6%
9.9%	242.0	244.7	2.7	1.1%
11.1%	241.8	242.2	0.4	0.2%
12.3%	241.0	242.1	1.1	0.4%
13.6%	241.0	241.5	0.5	0.2%
14.8%	240.5	240.9	0.4	0.2%
16.0%	240.4	240.7	0.3	0.1%
17.3%	237.0	238.5	1.6	0.7%
18.5%	235.7	238.4	2.7	1.1%
19.8%	235.6	237.0	1.4	0.6%
21.0%	234.9	236.5	1.6	0.7%
22.2%	234.5	235.9	1.4	0.6%
23.5%	234.4	235.6	1.2	0.5%
24.7%	233.9	234.4	0.6	0.2%
25.9%	233.4	234.1	0.6	0.3%
27.2%	231.4	233.3	1.9	0.8%
28.4%	231.2	233.0	1.8	0.8%
29.6%	229.7	232.1	2.3	1.0%
30.9%	229.6	232.0	2.5	1.1%
32.1%	229.3	231.2	1.9	0.8%
33.3%	227.8	228.8	1.0	0.4%
34.6%	227.3	228.4	1.0	0.5%
35.8%	227.0	228.3	1.2	0.5%
37.0%	226.8	226.8	0.0	0.0%
38.3%	225.7	226.2	0.5	0.2%
39.5%	225.4	226.1	0.7	0.3%
40.7%	225.3	225.3	0.0	0.0%
42.0%	225.1	224.8	-0.3	-0.1%
43.2%	224.6	224.6	0.0	0.0%
44.4%	224.4	223.5	-0.9	-0.4%
45.7%	223.3	223.1	-0.2	-0.1%
46.9%	223.1	222.3	-0.7	-0.3%
48.1%	220.9	221.8	0.9	0.4%
49.4%	219.8	221.7	1.8	0.8%
50.6%	219.5	220.2	0.7	0.3%
51.9%	219.2	219.6	0.4	0.2%
53.1%	217.7	218.9	1.2	0.5%
54.3%	217.6	217.7	0.1	0.0%
55.6%	215.7	215.8	0.1	0.0%
56.8%	215.0	215.2	0.2	0.1%
58.0%	214.8	215.2	0.4	0.2%
59.3%	214.7	214.9	0.2	0.1%
60.5%	214.1	214.7	0.5	0.3%
61.7%	213.9	214.6	0.8	0.4%
63.0%	212.8	214.1	1.3	0.6%
64.2%	212.6	213.7	1.1	0.5%
65.4%	212.6	213.6	1.1	0.5%
66.7%	212.2	213.2	1.0	0.5%
67.9%	212.2	212.9	0.7	0.3%
69.1%	212.0	212.8	0.8	0.4%
70.4%	210.9	212.1	1.2	0.6%
71.6%	210.8	212.0	1.2	0.6%
72.8%	210.6	211.8	1.2	0.6%
74.1%	210.4	211.3	0.9	0.4%
75.3%	209.9	210.7	0.8	0.4%
76.5%	209.3	209.2	-0.1	-0.1%
77.8%	209.0	209.1	0.0	0.0%
79.0%	208.5	208.7	0.2	0.1%
80.2%	207.1	208.7	1.6	0.8%
81.5%	206.7	207.8	1.1	0.5%
82.7%	205.8	206.7	0.8	0.4%
84.0%	205.4	206.0	0.7	0.3%
85.2%	205.0	206.0	1.0	0.5%
86.4%	204.5	205.2	0.8	0.4%
87.7%	204.1	204.5	0.5	0.2%
88.9%	204.0	204.0	0.0	0.0%
90.1%	202.5	203.3	0.7	0.4%
91.4%	202.3	202.4	0.1	0.0%
92.6%	201.8	201.8	0.0	0.0%
93.8%	201.4	201.3	-0.1	-0.1%
95.1%	200.9	200.8	-0.1	-0.1%
96.3%	199.0	199.9	0.8	0.4%
97.5%	197.9	197.6	-0.3	-0.1%
98.8%	197.3	197.6	0.3	0.2%
100.0%	196.3	196.2	0.0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	255.8	252.8	-3.0	-1.2%
1.2%	252.3	252.6	0.2	0.1%
2.5%	247.4	250.3	2.9	1.2%
3.7%	246.8	248.7	1.9	0.8%
4.9%	241.5	248.6	7.1	3.0%
6.2%	241.4	240.6	-0.9	-0.4%
7.4%	239.3	239.9	0.6	0.3%
8.6%	236.2	237.3	1.1	0.5%
9.9%	235.8	237.2	1.4	0.6%
11.1%	235.2	236.1	0.9	0.4%
12.3%	235.0	233.6	-1.4	-0.6%
13.6%	234.3	233.3	-1.0	-0.4%
14.8%	233.3	232.4	-0.9	-0.4%
16.0%	230.7	231.5	0.8	0.3%
17.3%	229.2	230.3	1.0	0.4%
18.5%	229.1	230.0	0.9	0.4%
19.8%	227.6	229.8	2.1	0.9%
21.0%	227.6	229.1	1.6	0.7%
22.2%	227.5	229.1	1.6	0.7%
23.5%	227.2	227.7	0.5	0.2%
24.7%	224.5	225.0	0.5	0.2%
25.9%	223.6	224.5	0.9	0.4%
27.2%	222.9	224.5	1.6	0.7%
28.4%	219.9	220.8	0.9	0.4%
29.6%	219.8	219.8	0.1	0.0%
30.9%	219.3	219.4	0.1	0.1%
32.1%	217.8	219.2	1.4	0.6%
33.3%	217.3	218.5	1.2	0.5%
34.6%	217.2	217.7	0.5	0.2%
35.8%	216.8	217.2	0.4	0.2%
37.0%	216.2	216.9	0.7	0.3%
38.3%	215.5	216.9	1.4	0.6%
39.5%	214.9	216.6	1.7	0.8%
40.7%	214.6	216.6	2.0	0.9%
42.0%	214.3	216.3	1.9	0.9%
43.2%	213.6	216.2	2.7	1.2%
44.4%	212.5	215.3	2.8	1.3%
45.7%	212.2	215.2	3.0	1.4%
46.9%	211.9	213.5	1.6	0.7%
48.1%	211.8	212.8	1.0	0.5%
49.4%	211.6	212.5	1.0	0.5%
50.6%	211.5	212.3	0.8	0.4%
51.9%	211.1	212.2	1.1	0.5%
53.1%	210.9	211.4	0.4	0.2%
54.3%	209.5	210.6	1.1	0.5%
55.6%	209.2	210.0	0.8	0.4%
56.8%	209.2	209.9	0.7	0.3%
58.0%	208.5	209.8	1.3	0.6%
59.3%	208.5	209.2	0.7	0.3%
60.5%	208.5	208.5	0.0	0.0%
61.7%	208.1	208.3	0.2	0.1%
63.0%	207.3	207.5	0.2	0.1%
64.2%	207.2	206.9	-0.3	-0.1%
65.4%	205.9	206.2	0.3	0.2%
66.7%	205.7	206.1	0.5	0.2%
67.9%	205.6	206.0	0.4	0.2%
69.1%	205.3	205.9	0.6	0.3%
70.4%	205.1	204.8	-0.2	-0.1%
71.6%	205.0	204.8	-0.2	-0.1%
72.8%	205.0	204.8	-0.2	-0.1%
74.1%	204.1	204.7	0.6	0.3%
75.3%	203.0	204.7	1.6	0.8%
76.5%	202.9	204.1	1.3	0.6%
77.8%	202.5	203.8	1.3	0.6%
79.0%	202.4	203.3	0.8	0.4%
80.2%	202.2	203.1	0.9	0.4%
81.5%	202.2	203.0	0.8	0.4%
82.7%	202.0	202.5	0.5	0.2%
84.0%	201.6	202.0	0.4	0.2%
85.2%	201.6	201.9	0.3	0.2%
86.4%	201.5	201.5	0.0	0.0%
87.7%	201.5	201.4	0.0	0.0%
88.9%	201.3	200.8	-0.5	-0.3%
90.1%	200.4	200.2	-0.1	-0.1%
91.4%	199.7	199.7	0.0	0.0%
92.6%	199.6	199.6	-0.1	0.0%
93.8%	198.3	196.8	-1.4	-0.7%
95.1%	196.9	196.6	-0.3	-0.1%
96.3%	196.4	196.5	0.1	0.1%
97.5%	196.1	196.4	0.3	0.2%
98.8%	195.2	195.4	0.2	0.1%
100.0%	193.9	193.9	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	243.4	243.5	0.1	0.0%
1.2%	235.9	237.4	1.4	0.6%
2.5%	234.3	234.5	0.1	0.1%
3.7%	232.6	234.4	1.7	0.7%
4.9%	231.8	232.6	0.8	0.3%
6.2%	228.6	232.1	3.5	1.5%
7.4%	228.3	229.8	1.5	0.7%
8.6%	226.8	229.0	2.2	1.0%
9.9%	226.4	227.1	0.7	0.3%
11.1%	224.2	225.4	1.1	0.5%
12.3%	222.6	225.0	2.4	1.1%
13.6%	220.2	223.9	3.7	1.7%
14.8%	219.9	223.0	3.1	1.4%
16.0%	218.6	221.5	2.9	1.3%
17.3%	214.9	221.5	6.6	3.1%
18.5%	214.3	221.4	7.1	3.3%
19.8%	212.5	218.2	5.7	2.7%
21.0%	212.1	215.1	3.0	1.4%
22.2%	211.5	213.7	2.2	1.1%
23.5%	211.0	212.5	1.5	0.7%
24.7%	210.0	211.4	1.4	0.7%
25.9%	209.9	210.7	0.8	0.4%
27.2%	209.8	210.2	0.4	0.2%
28.4%	208.9	210.0	1.1	0.5%
29.6%	208.8	209.2	0.4	0.2%
30.9%	208.6	209.0	0.5	0.2%
32.1%	208.5	208.5	0.0	0.0%
33.3%	207.8	208.3	0.5	0.3%
34.6%	207.7	208.0	0.3	0.2%
35.8%	207.3	208.0	0.7	0.4%
37.0%	207.2	207.7	0.5	0.2%
38.3%	206.9	207.5	0.7	0.3%
39.5%	206.7	207.3	0.6	0.3%
40.7%	206.4	207.1	0.8	0.4%
42.0%	206.2	206.7	0.6	0.3%
43.2%	205.9	206.6	0.7	0.3%
44.4%	205.7	206.2	0.5	0.2%
45.7%	205.7	206.1	0.4	0.2%
46.9%	205.3	206.0	0.7	0.3%
48.1%	204.9	205.8	0.8	0.4%
49.4%	204.7	205.7	1.0	0.5%
50.6%	204.2	205.5	1.2	0.6%
51.9%	204.1	205.0	0.8	0.4%
53.1%	204.1	204.9	0.8	0.4%
54.3%	202.8	203.4	0.6	0.3%
55.6%	201.9	202.0	0.1	0.1%
56.8%	201.6	201.9	0.4	0.2%
58.0%	201.2	201.8	0.6	0.3%
59.3%	201.1	201.6	0.5	0.2%
60.5%	201.0	201.4	0.5	0.2%
61.7%	200.7	201.1	0.4	0.2%
63.0%	200.7	200.9	0.2	0.1%
64.2%	199.8	200.8	1.0	0.5%
65.4%	199.8	200.5	0.7	0.3%
66.7%	199.6	200.4	0.8	0.4%
67.9%	199.2	199.9	0.7	0.4%
69.1%	198.9	199.5	0.6	0.3%
70.4%	198.5	199.1	0.6	0.3%
71.6%	198.5	198.7	0.2	0.1%
72.8%	198.3	198.4	0.1	0.0%
74.1%	198.2	198.3	0.1	0.1%
75.3%	198.1	197.9	-0.1	-0.1%
76.5%	197.9	197.4	-0.5	-0.3%
77.8%	197.5	197.4	-0.1	-0.1%
79.0%	197.4	197.3	0.0	0.0%
80.2%	197.3	197.3	0.0	0.0%
81.5%	197.3	197.1	-0.2	-0.1%
82.7%	196.9	197.0	0.0	0.0%
84.0%	196.8	196.6	-0.2	-0.1%
85.2%	196.2	196.6	0.3	0.2%
86.4%	195.9	195.8	-0.1	-0.1%
87.7%	195.5	195.4	-0.1	-0.1%
88.9%	195.4	195.3	-0.1	-0.1%
90.1%	195.3	195.3	0.0	0.0%
91.4%	194.7	195.0	0.3	0.1%
92.6%	194.6	194.6	0.0	0.0%
93.8%	194.3	194.4	0.0	0.0%
95.1%	194.3	194.1	-0.2	-0.1%
96.3%	194.3	193.9	-0.4	-0.2%
97.5%	193.5	193.3	-0.2	-0.1%
98.8%	193.0	192.7	-0.3	-0.2%
100.0%	190.0	191.1	1.1	0.6%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	253.7	255.0	1.3	0.5%
1.2%	240.2	245.0	4.8	2.0%
2.5%	235.5	238.5	3.0	1.3%
3.7%	227.1	232.4	5.3	2.3%
4.9%	225.0	225.1	0.1	0.0%
6.2%	222.6	223.7	1.0	0.5%
7.4%	219.6	219.6	0.0	0.0%
8.6%	218.5	219.0	0.5	0.2%
9.9%	218.5	218.6	0.1	0.1%
11.1%	214.7	214.7	0.0	0.0%
12.3%	213.8	213.3	-0.6	-0.3%
13.6%	212.9	212.5	-0.4	-0.2%
14.8%	212.1	210.4	-1.7	-0.8%
16.0%	209.4	209.5	0.1	0.0%
17.3%	206.9	208.5	1.6	0.8%
18.5%	206.8	207.0	0.2	0.1%
19.8%	206.2	206.8	0.5	0.3%
21.0%	205.7	206.3	0.6	0.3%
22.2%	205.6	205.8	0.2	0.1%
23.5%	205.5	205.5	0.0	0.0%
24.7%	203.7	203.2	-0.5	-0.2%
25.9%	202.7	202.8	0.1	0.1%
27.2%	202.0	202.4	0.4	0.2%
28.4%	201.8	202.0	0.1	0.1%
29.6%	201.8	201.4	-0.4	-0.2%
30.9%	201.8	201.3	-0.5	-0.2%
32.1%	201.3	200.8	-0.6	-0.3%
33.3%	200.1	200.0	-0.1	0.0%
34.6%	199.8	199.9	0.2	0.1%
35.8%	198.9	199.4	0.5	0.2%
37.0%	198.4	199.2	0.8	0.4%
38.3%	198.4	198.2	-0.1	-0.1%
39.5%	197.8	197.9	0.0	0.0%
40.7%	197.7	197.6	0.0	0.0%
42.0%	197.6	197.4	-0.2	-0.1%
43.2%	197.3	197.3	0.0	0.0%
44.4%	197.3	197.2	0.0	0.0%
45.7%	197.1	197.1	0.0	0.0%
46.9%	197.0	197.0	0.0	0.0%
48.1%	196.8	196.5	-0.4	-0.2%
49.4%	196.4	196.4	0.0	0.0%
50.6%	196.3	195.9	-0.5	-0.2%
51.9%	196.3	195.6	-0.6	-0.3%
53.1%	196.1	195.6	-0.5	-0.2%
54.3%	195.8	195.6	-0.2	-0.1%
55.6%	195.6	195.6	-0.1	0.0%
56.8%	195.6	195.5	-0.1	-0.1%
58.0%	195.3	195.4	0.1	0.0%
59.3%	195.1	195.2	0.1	0.1%
60.5%	194.9	195.1	0.2	0.1%
61.7%	194.9	195.0	0.1	0.0%
63.0%	194.7	194.8	0.1	0.1%
64.2%	194.5	194.5	0.0	0.0%
65.4%	194.5	194.4	-0.1	0.0%
66.7%	194.4	194.2	-0.1	-0.1%
67.9%	194.4	194.1	-0.2	-0.1%
69.1%	194.3	194.1	-0.2	-0.1%
70.4%	194.1	194.1	0.0	0.0%
71.6%	194.1	194.1	0.0	0.0%
72.8%	194.0	193.9	-0.1	-0.1%
74.1%	193.2	193.6	0.4	0.2%
75.3%	193.2	193.3	0.1	0.1%
76.5%	193.0	193.2	0.3	0.1%
77.8%	192.9	192.9	0.1	0.0%
79.0%	192.8	192.9	0.0	0.0%
80.2%	192.4	192.7	0.3	0.2%
81.5%	192.4	192.4	0.1	0.0%
82.7%	192.3	192.3	0.0	0.0%
84.0%	192.3	192.3	0.0	0.0%
85.2%	192.1	192.2	0.1	0.1%
86.4%	192.1	192.0	-0.1	-0.1%
87.7%	191.6	192.0	0.4	0.2%
88.9%	191.6	191.9	0.4	0.2%
90.1%	191.3	191.5	0.2	0.1%
91.4%	190.9	191.5	0.6	0.3%
92.6%	190.9	191.0	0.1	0.0%
93.8%	190.7	190.9	0.2	0.1%
95.1%	190.1	190.4	0.3	0.2%
96.3%	189.8	190.1	0.3	0.2%
97.5%	189.5	189.9	0.4	0.2%
98.8%	188.2	186.9	-1.2	-0.7%
100.0%	186.0	186.4	0.4	0.2%

Table SQ-28-b

North Bay Aqueduct Intake (Barker Slough), Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	235.8	228.9	-6.9	-2.9%
1.2%	230.1	222.2	-7.9	-3.4%
2.5%	222.2	221.2	-1.0	-0.5%
3.7%	220.9	217.9	-3.0	-1.4%
4.9%	218.6	217.1	-1.5	-0.7%
6.2%	216.1	214.6	-1.5	-0.7%
7.4%	213.1	212.8	-0.3	-0.2%
8.6%	208.8	208.7	-0.1	0.0%
9.9%	205.2	206.1	0.9	0.4%
11.1%	200.3	204.8	4.5	2.2%
12.3%	199.9	200.3	0.4	0.2%
13.6%	198.4	198.3	-0.2	-0.1%
14.8%	198.4	197.7	-0.7	-0.3%
16.0%	197.8	197.4	-0.5	-0.2%
17.3%	197.7	197.3	-0.4	-0.2%
18.5%	197.4	197.0	-0.4	-0.2%
19.8%	197.3	197.0	-0.3	-0.2%
21.0%	196.3	196.3	-0.1	0.0%
22.2%	195.9	195.8	-0.1	0.0%
23.5%	195.9	195.3	-0.6	-0.3%
24.7%	195.3	194.9	-0.4	-0.2%
25.9%	195.2	194.9	-0.3	-0.1%
27.2%	194.9	194.8	-0.1	0.0%
28.4%	194.8	194.7	-0.1	0.0%
29.6%	194.7	194.3	-0.4	-0.2%
30.9%	194.6	194.2	-0.4	-0.2%
32.1%	194.5	194.2	-0.3	-0.2%
33.3%	194.4	194.1	-0.3	-0.2%
34.6%	194.3	194.1	-0.2	-0.1%
35.8%	194.2	194.1	-0.1	0.0%
37.0%	194.1	194.1	0.0	0.0%
38.3%	194.0	193.7	-0.3	-0.2%
39.5%	194.0	193.6	-0.4	-0.2%
40.7%	193.6	193.4	-0.2	-0.1%
42.0%	193.4	193.2	-0.2	-0.1%
43.2%	193.2	193.2	0.0	0.0%
44.4%	193.1	193.1	0.0	0.0%
45.7%	193.1	193.1	0.0	0.0%
46.9%	193.1	193.0	0.0	0.0%
48.1%	193.0	193.0	-0.1	0.0%
49.4%	193.0	192.9	-0.1	-0.1%
50.6%	193.0	192.8	-0.2	-0.1%
51.9%	192.9	192.7	-0.3	-0.1%
53.1%	192.6	192.6	0.0	0.0%
54.3%	192.4	192.4	0.0	0.0%
55.6%	192.3	192.2	-0.1	0.0%
56.8%	192.2	192.1	-0.1	-0.1%
58.0%	192.2	192.1	-0.1	-0.1%
59.3%	192.2	192.0	-0.2	-0.1%
60.5%	192.1	192.0	-0.2	-0.1%
61.7%	192.1	192.0	-0.1	-0.1%
63.0%	192.1	192.0	-0.1	-0.1%
64.2%	192.0	191.9	-0.1	-0.1%
65.4%	192.0	191.9	-0.1	-0.1%
66.7%	191.9	191.7	-0.2	-0.1%
67.9%	191.8	191.6	-0.1	-0.1%
69.1%	191.7	191.6	-0.1	-0.1%
70.4%	191.7	191.5	-0.2	-0.1%
71.6%	191.7	191.4	-0.3	-0.2%
72.8%	191.7	191.4	-0.3	-0.1%
74.1%	191.6	191.4	-0.3	-0.1%
75.3%	191.6	191.2	-0.4	-0.2%
76.5%	191.6	191.2	-0.4	-0.2%
77.8%	191.4	191.2	-0.2	-0.1%
79.0%	191.3	191.2	-0.2	-0.1%
80.2%	191.3	191.1	-0.1	-0.1%
81.5%	191.2	191.1	-0.1	-0.1%
82.7%	191.2	191.1	-0.1	-0.1%
84.0%	191.1	191.0	-0.1	-0.1%
85.2%	191.0	191.0	0.0	0.0%
86.4%	190.7	190.9	0.2	0.1%
87.7%	190.7	190.7	0.0	0.0%
88.9%	190.6	190.6	0.0	0.0%
90.1%	190.2	190.2	0.0	0.0%
91.4%	190.1	190.1	0.0	0.0%
92.6%	190.0	189.9	-0.1	-0.1%
93.8%	189.4	189.6	0.2	0.1%
95.1%	189.1	189.1	0.0	0.0%
96.3%	189.0	188.9	0.0	0.0%
97.5%	188.6	188.7	0.0	0.0%
98.8%	187.9	187.4	-0.6	-0.3%
100.0%	186.9	186.9	0.1	0.0%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	210.6	207.5	-3.1	-1.5%
1.2%	207.5	205.4	-2.0	-1.0%
2.5%	205.8	205.0	-0.8	-0.4%
3.7%	205.5	202.5	-3.0	-1.4%
4.9%	202.5	202.3	-0.1	-0.1%
6.2%	202.5	202.2	-0.3	-0.1%
7.4%	202.3	200.8	-1.5	-0.8%
8.6%	202.1	199.2	-2.9	-1.4%
9.9%	201.0	198.1	-2.9	-1.4%
11.1%	200.8	197.3	-3.5	-1.7%
12.3%	200.2	196.6	-3.6	-1.8%
13.6%	196.0	195.6	-0.5	-0.2%
14.8%	192.0	191.5	-0.5	-0.3%
16.0%	191.9	191.4	-0.5	-0.2%
17.3%	191.6	191.3	-0.3	-0.2%
18.5%	191.5	191.1	-0.4	-0.2%
19.8%	191.4	191.1	-0.3	-0.2%
21.0%	191.4	190.7	-0.6	-0.3%
22.2%	191.2	190.7	-0.6	-0.3%
23.5%	191.2	190.5	-0.7	-0.4%
24.7%	190.8	190.5	-0.3	-0.2%
25.9%	190.7	190.4	-0.3	-0.2%
27.2%	190.6	190.3	-0.3	-0.2%
28.4%	190.3	190.2	-0.1	0.0%
29.6%	190.3	190.2	-0.1	0.0%
30.9%	190.2	190.1	-0.2	-0.1%
32.1%	190.2	190.0	-0.2	-0.1%
33.3%	190.2	190.0	-0.2	-0.1%
34.6%	190.1	189.9	-0.2	-0.1%
35.8%	190.1	189.9	-0.2	-0.1%
37.0%	189.9	189.7	-0.2	-0.1%
38.3%	189.9	189.7	-0.2	-0.1%
39.5%	189.8	189.6	-0.2	-0.1%
40.7%	189.7	189.6	-0.1	-0.1%
42.0%	189.7	189.5	-0.1	-0.1%
43.2%	189.6	189.5	-0.1	0.0%
44.4%	189.4	189.4	0.0	0.0%
45.7%	189.4	189.4	0.0	0.0%
46.9%	189.4	189.4	0.0	0.0%
48.1%	189.3	189.3	-0.1	0.0%
49.4%	189.3	189.2	-0.1	-0.1%
50.6%	189.3	189.1	-0.1	-0.1%
51.9%	189.2	189.1	-0.1	-0.1%
53.1%	189.2	189.1	-0.1	0.0%
54.3%	189.1	189.1	-0.1	0.0%
55.6%	189.1	189.0	-0.1	0.0%
56.8%	189.1	189.0	-0.1	-0.1%
58.0%	189.1	189.0	-0.1	-0.1%
59.3%	189.0	188.9	-0.1	-0.1%
60.5%	189.0	188.8	-0.2	-0.1%
61.7%	188.9	188.8	-0.1	-0.1%
63.0%	188.9	188.6	-0.2	-0.1%
64.2%	188.8	188.6	-0.2	-0.1%
65.4%	188.6	188.6	0.0	0.0%
66.7%	188.6	188.5	-0.1	-0.1%
67.9%	188.6	188.5	-0.1	0.0%
69.1%	188.6	188.5	-0.1	0.0%
70.4%	188.6	188.5	-0.1	0.0%
71.6%	188.5	188.5	0.0	0.0%
72.8%	188.5	188.5	0.0	0.0%
74.1%	188.4	188.5	0.0	0.0%
75.3%	188.4	188.4	0.0	0.0%
76.5%	188.4	188.4	0.0	0.0%
77.8%	188.3	188.3	0.0	0.0%
79.0%	188.3	188.3	0.0	0.0%
80.2%	188.3	188.2	-0.1	0.0%
81.5%	188.3	188.2	-0.1	0.0%
82.7%	188.2	188.1	0.0	0.0%
84.0%	188.1	188.1	-0.1	0.0%
85.2%	188.1	188.1	-0.1	0.0%
86.4%	188.1	188.0	-0.1	0.0%
87.7%	188.1	188.0	-0.1	0.0%
88.9%	188.0	187.9	-0.1	-0.1%
90.1%	188.0	187.9	-0.1	0.0%
91.4%	187.9	187.8	-0.1	0.0%
92.6%	187.8	187.7	-0.1	-0.1%
93.8%	187.7	187.6	0.0	0.0%
95.1%	187.6	187.6	0.0	0.0%
96.3%	187.6	187.6	0.0	0.0%
97.5%	187.6	187.6	0.0	0.0%
98.8%	187.4	187.4	0.0	0.0%
100.0%	187.3	187.2	-0.1	0.0%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	200.9	201.9	1.0	0.5%
1.2%	199.9	199.7	-0.1	-0.1%
2.5%	199.5	199.5	0.0	0.0%
3.7%	199.0	198.7	-0.2	-0.1%
4.9%	198.8	197.9	-0.9	-0.4%
6.2%	198.7	197.6	-1.1	-0.5%
7.4%	198.4	197.5	-0.9	-0.5%
8.6%	198.1	196.7	-1.5	-0.7%
9.9%	197.1	196.2	-0.8	-0.4%
11.1%	196.5	196.1	-0.4	-0.2%
12.3%	196.4	195.9	-0.5	-0.2%
13.6%	195.5	195.7	0.2	0.1%
14.8%	190.7	190.0	-0.7	-0.4%
16.0%	190.7	190.0	-0.7	-0.4%
17.3%	190.6	189.7	-0.9	-0.5%
18.5%	190.6	189.7	-0.9	-0.5%
19.8%	190.2	189.6	-0.6	-0.3%
21.0%	190.1	189.4	-0.8	-0.4%
22.2%	190.0	189.4	-0.6	-0.3%
23.5%	189.9	189.3	-0.6	-0.3%
24.7%	189.7	189.2	-0.5	-0.2%
25.9%	189.7	189.1	-0.5	-0.3%
27.2%	189.4	189.1	-0.2	-0.1%
28.4%	189.2	189.1	-0.2	-0.1%
29.6%	189.2	189.1	-0.1	-0.1%
30.9%	189.1	189.0	-0.1	0.0%
32.1%	189.1	189.0	-0.1	0.0%
33.3%	189.0	189.0	0.1	0.0%
34.6%	188.9	189.0	0.1	0.0%
35.8%	188.9	188.9	0.0	0.0%
37.0%	188.7	188.7	0.0	0.0%
38.3%	188.7	188.7	0.0	0.0%
39.5%	188.6	188.6	0.0	0.0%
40.7%	188.6	188.5	-0.1	0.0%
42.0%	188.6	188.5	-0.1	0.0%
43.2%	188.5	188.5	-0.1	0.0%
44.4%	188.5	188.4	-0.1	0.0%
45.7%	188.5	188.4	-0.1	-0.1%
46.9%	188.4	188.4	-0.1	-0.1%
48.1%	188.4	188.3	-0.1	-0.1%
49.4%	188.4	188.2	-0.1	-0.1%
50.6%	188.3	188.2	-0.1	-0.1%
51.9%	188.3	188.2	-0.1	-0.1%
53.1%	188.3	188.1	-0.1	-0.1%
54.3%	188.2	188.1	-0.1	-0.1%
55.6%	188.2	188.1	-0.1	0.0%
56.8%	188.1	188.1	0.0	0.0%
58.0%	188.1	188.1	0.0	0.0%
59.3%	188.1	188.1	0.0	0.0%
60.5%	188.1	188.1	0.0	0.0%
61.7%	188.1	188.1	0.0	0.0%
63.0%	188.0	188.0	-0.1	0.0%
64.2%	188.0	188.0	-0.1	0.0%
65.4%	188.0	187.9	-0.1	-0.1%
66.7%	187.9	187.8	-0.1	-0.1%
67.9%	187.9	187.8	-0.1	-0.1%
69.1%	187.8	187.8	-0.1	0.0%
70.4%	187.8	187.8	-0.1	0.0%
71.6%	187.8	187.8	-0.1	0.0%
72.8%	187.8	187.7	-0.1	0.0%
74.1%	187.8	187.7	-0.1	0.0%
75.3%	187.8	187.7	-0.1	0.0%
76.5%	187.8	187.7	-0.1	0.0%
77.8%	187.8	187.7	-0.1	0.0%
79.0%	187.7	187.6	-0.1	-0.1%
80.2%	187.7	187.6	-0.1	-0.1%
81.5%	187.7	187.6	-0.1	-0.1%
82.7%	187.7	187.6	-0.1	-0.1%
84.0%	187.7	187.5	-0.2	-0.1%
85.2%	187.5	187.5	0.0	0.0%
86.4%	187.5	187.4	-0.1	0.0%
87.7%	187.5	187.4	-0.1	0.0%
88.9%	187.2	187.3	0.1	0.0%
90.1%	187.2	187.2	0.0	0.0%
91.4%	187.2	187.2	0.0	0.0%
92.6%	187.2	187.2	0.0	0.0%
93.8%	187.2	187.1	0.0	0.0%
95.1%	187.1	187.1	0.0	0.0%
96.3%	187.1	186.9	-0.2	-0.1%
97.5%	186.9	186.8	-0.1	0.0%
98.8%	186.9	186.8	-0.1	-0.1%
100.0%	186.5	186.7	0.2	0.1%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	203.3	200.6	-2.7	-1.3%
1.2%	200.5	198.6	-1.9	-1.0%
2.5%	199.5	198.2	-1.3	-0.6%
3.7%	199.5	198.1	-1.4	-0.7%
4.9%	199.1	198.0	-1.2	-0.6%
6.2%	198.8	197.8	-0.9	-0.5%
7.4%	198.8	197.8	-1.0	-0.5%
8.6%	198.4	197.7	-0.7	-0.3%
9.9%	198.2	197.5	-0.7	-0.3%
11.1%	198.0	197.4	-0.7	-0.3%
12.3%	196.1	194.6	-1.5	-0.7%
13.6%	195.0	193.6	-1.4	-0.7%
14.8%	194.7	192.2	-2.5	-1.3%
16.0%	193.9	191.9	-2.0	-1.0%
17.3%	193.9	191.7	-2.2	-1.1%
18.5%	193.6	190.7	-3.0	-1.5%
19.8%	193.6	190.1	-3.5	-1.8%
21.0%	193.5	190.1	-3.4	-1.8%
22.2%	193.5	190.1	-3.4	-1.7%
23.5%	193.4	190.1	-3.4	-1.7%
24.7%	192.5	190.0	-2.5	-1.3%
25.9%	191.6	190.0	-1.6	-0.8%
27.2%	190.9	189.9	-1.0	-0.5%
28.4%	190.4	189.7	-0.8	-0.4%
29.6%	190.1	189.6	-0.5	-0.3%
30.9%	190.0	189.6	-0.4	-0.2%
32.1%	190.0	189.5	-0.5	-0.3%
33.3%	190.0	189.4	-0.6	-0.3%
34.6%	189.9	189.3	-0.6	-0.3%
35.8%	189.6	189.3	-0.3	-0.2%
37.0%	189.5	189.3	-0.3	-0.1%
38.3%	189.5	189.2	-0.3	-0.2%
39.5%	189.4	189.2	-0.2	-0.1%
40.7%	189.4	189.1	-0.3	-0.1%
42.0%	189.4	189.1	-0.3	-0.2%
43.2%	189.3	189.0	-0.3	-0.2%
44.4%	189.3	189.0	-0.3	-0.1%
45.7%	189.3	189.0	-0.3	-0.1%
46.9%	189.3	189.0	-0.3	-0.1%
48.1%	189.3	189.0	-0.3	-0.1%
49.4%	189.2	189.0	-0.2	-0.1%
50.6%	189.1	188.9	-0.2	-0.1%
51.9%	189.1	188.9	-0.2	-0.1%
53.1%	189.1	188.9	-0.2	-0.1%
54.3%	189.1	188.8	-0.3	-0.1%
55.6%	189.0	188.8	-0.2	-0.1%
56.8%	189.0	188.7	-0.2	-0.1%
58.0%	188.9	188.7	-0.2	-0.1%
59.3%	188.9	188.7	-0.2	-0.1%
60.5%	188.8	188.7	-0.1	-0.1%
61.7%	188.8	188.7	-0.1	-0.1%
63.0%	188.8	188.6	-0.1	-0.1%
64.2%	188.7	188.6	-0.1	-0.1%
65.4%	188.7	188.6	-0.1	-0.1%
66.7%	188.7	188.5	-0.2	-0.1%
67.9%	188.6	188.5	-0.2	-0.1%
69.1%	188.6	188.4	-0.2	-0.1%
70.4%	188.6	188.4	-0.3	-0.1%
71.6%	188.6	188.4	-0.2	-0.1%
72.8%	188.5	188.3	-0.2	-0.1%
74.1%	188.5	188.3	-0.1	-0.1%
75.3%	188.4	188.3	-0.1	-0.1%
76.5%	188.4	188.3	-0.1	-0.1%
77.8%	188.4	188.3	-0.1	-0.1%
79.0%	188.4	188.3	-0.1	-0.1%
80.2%	188.3	188.2	-0.1	-0.1%
81.5%	188.2	188.2	0.0	0.0%
82.7%	188.2	188.2	0.0	0.0%
84.0%	188.1	188.1	-0.1	0.0%
85.2%	188.1	188.0	-0.2	-0.1%
86.4%	188.1	187.9	-0.2	-0.1%
87.7%	188.1	187.9	-0.2	-0.1%
88.9%	188.1	187.8	-0.3	-0.1%
90.1%	188.1	187.6	-0.5	-0.2%
91.4%	187.9	187.6	-0.3	-0.2%
92.6%	187.8	187.5	-0.4	-0.2%
93.8%	187.5	187.5	-0.1	0.0%
95.1%	187.5	187.4	-0.1	0.0%
96.3%	187.5	187.3	-0.1	-0.1%
97.5%	187.4	187.1	-0.3	-0.1%
98.8%	187.0	186.7	-0.3	-0.2%
100.0%	185.9	185.9	-0.1	0.0%

Figure SQ-29-b
Old River at Los Vaqueros Intake, Monthly EC
Probability of Exceedance

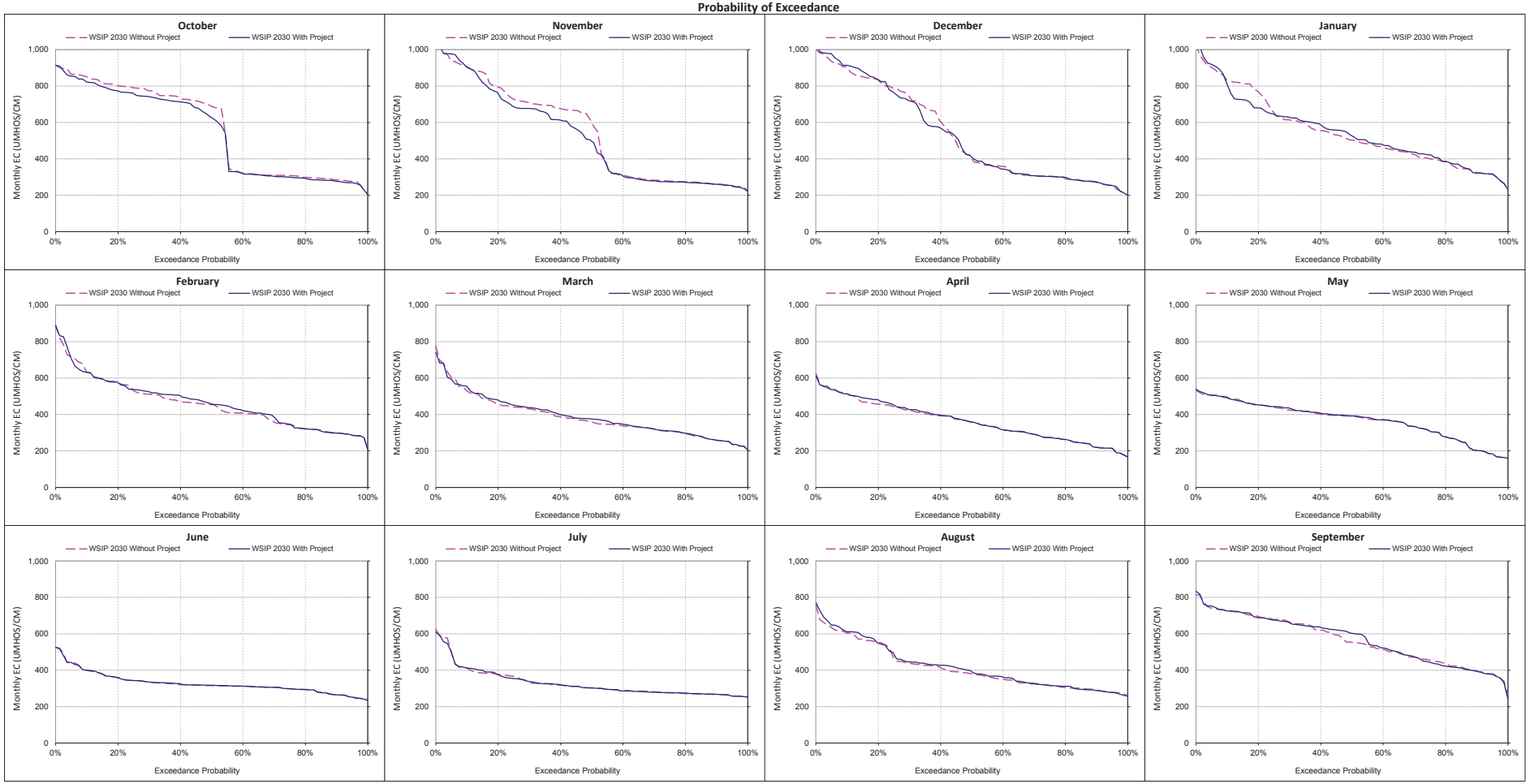


Table SQ-29-b

Old River at Los Vaqueros Intake, Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	914.6	913.9	-0.7	-0.1%
1.2%	902.1	909.2	7.1	0.8%
2.5%	895.8	883.8	-12.0	-1.3%
3.7%	895.5	861.2	-34.2	-3.8%
4.9%	864.9	854.5	-10.4	-1.2%
6.2%	863.7	852.6	-11.1	-1.3%
7.4%	863.0	838.7	-24.3	-2.8%
8.6%	856.6	837.9	-18.7	-2.2%
9.9%	851.6	822.5	-29.1	-3.4%
11.1%	838.4	819.4	-19.1	-2.3%
12.3%	838.2	818.4	-19.8	-2.4%
13.6%	834.3	805.4	-28.9	-3.5%
14.8%	814.5	797.0	-17.5	-2.2%
16.0%	811.7	790.9	-20.8	-2.6%
17.3%	811.7	782.1	-29.6	-3.6%
18.5%	810.1	776.5	-33.6	-4.1%
19.8%	802.7	774.0	-28.7	-3.6%
21.0%	799.1	767.1	-31.9	-4.0%
22.2%	797.2	765.6	-31.5	-4.0%
23.5%	796.4	764.1	-32.3	-4.1%
24.7%	791.4	760.6	-30.7	-3.9%
25.9%	788.3	749.0	-39.4	-5.0%
27.2%	787.9	745.8	-42.1	-5.3%
28.4%	785.8	744.3	-41.5	-5.3%
29.6%	774.7	743.2	-31.5	-4.1%
30.9%	773.7	738.5	-35.2	-4.6%
32.1%	762.9	734.8	-28.1	-3.7%
33.3%	748.4	728.8	-19.6	-2.6%
34.6%	747.1	725.6	-21.5	-2.9%
35.8%	747.0	722.3	-24.7	-3.3%
37.0%	746.9	718.2	-28.7	-3.8%
38.3%	745.3	716.1	-29.2	-3.9%
39.5%	741.0	714.3	-26.7	-3.6%
40.7%	728.0	710.9	-17.1	-2.3%
42.0%	727.3	709.0	-18.3	-2.5%
43.2%	724.2	703.4	-20.8	-2.9%
44.4%	720.3	683.1	-37.1	-5.2%
45.7%	717.0	678.5	-38.5	-5.4%
46.9%	709.4	661.2	-48.1	-6.8%
48.1%	702.7	650.6	-52.2	-7.4%
49.4%	693.5	632.4	-61.1	-8.8%
50.6%	683.8	619.9	-63.9	-9.4%
51.9%	680.1	602.7	-77.3	-11.4%
53.1%	676.5	581.2	-95.3	-14.1%
54.3%	546.1	541.7	-4.4	-0.8%
55.6%	345.8	330.3	-15.4	-4.5%
56.8%	338.2	330.1	-8.1	-2.4%
58.0%	331.9	329.1	-2.8	-0.8%
59.3%	325.3	322.8	-2.5	-0.8%
60.5%	318.6	316.2	-2.3	-0.7%
61.7%	318.3	315.7	-2.7	-0.8%
63.0%	318.2	314.7	-3.5	-1.1%
64.2%	313.7	312.7	-1.0	-0.3%
65.4%	313.1	312.4	-0.7	-0.2%
66.7%	310.6	309.3	-1.3	-0.4%
67.9%	310.4	306.5	-3.9	-1.3%
69.1%	310.3	305.6	-4.7	-1.5%
70.4%	310.2	302.7	-7.5	-2.4%
71.6%	309.3	302.3	-7.1	-2.3%
72.8%	309.1	301.7	-7.4	-2.4%
74.1%	308.8	300.4	-8.3	-2.7%
75.3%	308.1	298.6	-9.5	-3.1%
76.5%	307.1	296.0	-11.1	-3.6%
77.8%	304.9	296.0	-8.9	-2.9%
79.0%	298.3	295.1	-3.3	-1.1%
80.2%	298.2	292.0	-6.3	-2.1%
81.5%	297.1	285.9	-11.2	-3.8%
82.7%	296.4	284.6	-11.8	-4.0%
84.0%	294.1	284.3	-9.7	-3.3%
85.2%	292.9	283.7	-9.2	-3.1%
86.4%	290.8	281.5	-9.3	-3.2%
87.7%	290.7	281.4	-9.3	-3.2%
88.9%	286.8	280.3	-6.6	-2.3%
90.1%	283.8	276.5	-7.3	-2.6%
91.4%	282.9	274.6	-8.3	-2.9%
92.6%	281.7	270.6	-11.1	-3.9%
93.8%	276.9	269.5	-7.5	-2.7%
95.1%	276.8	268.5	-8.4	-3.0%
96.3%	276.6	265.3	-11.3	-4.1%
97.5%	258.7	255.7	-3.1	-1.2%
98.8%	229.9	229.7	-0.2	-0.1%
100.0%	205.4	205.1	-0.3	-0.2%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1033.0	1091.0	58.0	5.6%
1.2%	1026.5	1022.7	-3.7	-0.4%
2.5%	980.4	979.2	-1.2	-0.1%
3.7%	974.1	978.3	4.2	0.4%
4.9%	937.8	977.1	39.4	4.2%
6.2%	934.6	972.1	37.4	4.0%
7.4%	922.7	944.1	21.4	2.3%
8.6%	916.2	926.7	10.5	1.2%
9.9%	907.7	903.4	-4.3	-0.5%
11.1%	894.5	893.9	-0.6	-0.1%
12.3%	884.2	884.1	-0.1	0.0%
13.6%	882.4	851.2	-31.2	-3.5%
14.8%	877.5	820.9	-56.5	-6.4%
16.0%	866.5	805.5	-61.0	-7.0%
17.3%	812.8	784.8	-27.9	-3.4%
18.5%	802.6	774.7	-27.9	-3.5%
19.8%	795.5	764.8	-30.6	-3.8%
21.0%	788.5	728.7	-59.8	-7.6%
22.2%	767.0	717.6	-49.4	-6.4%
23.5%	744.9	705.9	-39.0	-5.2%
24.7%	729.7	688.1	-41.5	-5.7%
25.9%	722.9	680.4	-42.5	-5.9%
27.2%	717.7	677.3	-40.5	-5.6%
28.4%	714.6	677.2	-37.4	-5.2%
29.6%	709.7	676.7	-33.0	-4.7%
30.9%	702.1	675.1	-27.0	-3.8%
32.1%	701.0	673.8	-27.2	-3.9%
33.3%	697.5	662.2	-35.2	-5.0%
34.6%	695.5	658.7	-36.7	-5.3%
35.8%	694.4	648.6	-45.8	-6.6%
37.0%	692.9	616.2	-76.6	-11.1%
38.3%	678.8	616.0	-62.7	-9.2%
39.5%	678.1	613.8	-64.3	-9.5%
40.7%	672.2	608.6	-63.6	-9.5%
42.0%	669.3	607.5	-61.8	-9.2%
43.2%	667.5	580.0	-87.5	-13.1%
44.4%	666.5	570.5	-96.1	-14.4%
45.7%	663.6	556.7	-106.8	-16.1%
46.9%	649.3	539.7	-109.6	-16.9%
48.1%	649.1	509.4	-139.7	-21.5%
49.4%	619.0	503.9	-115.1	-18.6%
50.6%	578.2	487.3	-90.9	-15.7%
51.9%	548.7	431.9	-116.8	-21.3%
53.1%	423.5	421.9	-1.6	-0.4%
54.3%	399.1	383.1	-16.0	-4.0%
55.6%	321.6	332.4	10.8	3.4%
56.8%	319.0	320.1	1.1	0.3%
58.0%	316.9	319.6	2.7	0.9%
59.3%	308.1	314.6	6.5	2.1%
60.5%	307.9	299.9	-7.9	-2.6%
61.7%	303.2	295.8	-7.4	-2.4%
63.0%	297.3	295.5	-1.7	-0.6%
64.2%	293.3	290.5	-2.8	-1.0%
65.4%	292.8	286.1	-6.7	-2.3%
66.7%	287.1	283.6	-3.5	-1.2%
67.9%	284.5	279.8	-4.7	-1.6%
69.1%	283.7	279.5	-4.2	-1.5%
70.4%	282.1	278.7	-3.4	-1.2%
71.6%	281.7	275.1	-6.6	-2.3%
72.8%	281.5	274.6	-7.0	-2.5%
74.1%	278.4	274.1	-4.3	-1.5%
75.3%	277.1	273.8	-3.3	-1.2%
76.5%	277.1	273.5	-3.6	-1.3%
77.8%	275.1	273.1	-2.0	-0.7%
79.0%	275.0	273.0	-2.0	-0.7%
80.2%	274.7	270.2	-4.6	-1.7%
81.5%	272.1	269.4	-2.7	-1.0%
82.7%	272.0	268.8	-3.2	-1.2%
84.0%	271.8	268.0	-3.8	-1.4%
85.2%	268.8	266.4	-2.4	-0.9%
86.4%	267.0	264.1	-2.8	-1.1%
87.7%	265.5	262.8	-2.7	-1.0%
88.9%	263.1	260.8	-2.3	-0.9%
90.1%	260.8	260.1	-0.7	-0.3%
91.4%	260.2	258.9	-1.3	-0.5%
92.6%	257.5	255.1	-2.4	-0.9%
93.8%	256.2	254.8	-1.4	-0.6%
95.1%	248.1	253.8	5.7	2.3%
96.3%	247.3	245.0	-2.3	-0.9%
97.5%	247.2	242.8	-4.4	-1.8%
98.8%	246.6	235.3	-11.3	-4.6%
100.0%	221.9	221.9	0.1	0.0%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1001.6	1051.2	49.6	4.9%
1.2%	982.0	988.6	6.5	0.7%
2.5%	974.9	983.1	8.2	0.8%
3.7%	956.1	980.2	24.1	2.5%
4.9%	936.0	978.9	42.8	4.6%
6.2%	925.3	954.5	29.2	3.2%
7.4%	921.7	941.3	19.6	2.1%
8.6%	906.6	914.0	7.4	0.8%
9.9%	905.8	913.9	8.1	0.9%
11.1%	876.2	910.2	33.9	3.9%
12.3%	863.2	902.3	39.2	4.5%
13.6%	854.7	897.1	42.4	5.0%
14.8%	852.2	881.2	29.0	3.4%
16.0%	846.2	870.2	24.0	2.8%
17.3%	844.4	854.1	9.7	1.2%
18.5%	840.2	848.8	8.7	1.0%
19.8%	839.0	834.9	-4.1	-0.5%
21.0%	815.7	824.0	8.3	1.0%
22.2%	800.0	823.6	23.7	3.0%
23.5%	799.7	779.2	-20.5	-2.6%
24.7%	788.9	768.5	-20.4	-2.6%
25.9%	785.5	751.1	-34.4	-4.4%
27.2%	770.7	734.2	-36.5	-4.7%
28.4%	766.1	732.5	-33.6	-4.4%
29.6%	749.8	721.9	-27.9	-3.7%
30.9%	719.2	714.0	-5.2	-0.7%
32.1%	719.2	706.7	-12.4	-1.7%
33.3%	699.9	666.8	-33.2	-4.7%
34.6%	690.3	609.5	-80.8	-11.7%
35.8%	667.9	586.2	-81.7	-12.2%
37.0%	666.2	579.3	-86.8	-13.0%
38.3%	661.4	577.3	-84.1	-12.7%
39.5%	614.1	574.0	-40.1	-6.5%
40.7%	588.9	559.8	-29.2	-5.0%
42.0%	567.1	546.3	-20.8	-3.7%
43.2%	534.3	545.7	11.4	2.1%
44.4%	513.3	529.4	16.1	3.1%
45.7%	463.6	503.9	40.2	8.7%
46.9%	442.1	456.5	14.4	3.3%
48.1%	426.4	424.5	-1.9	-0.4%
49.4%	419.6	418.3	-1.3	-0.3%
50.6%	382.5	399.3	16.8	4.4%
51.9%	380.5	387.1	6.7	1.8%
53.1%	372.8	386.8	14.0	3.8%
54.3%	365.8	370.6	4.8	1.3%
55.6%	363.9	368.3	4.4	1.2%
56.8%	363.7	359.1	-4.5	-1.2%
58.0%	363.0	355.4	-7.6	-2.1%
59.3%	359.3	345.1	-14.1	-3.9%
60.5%	357.4	343.9	-13.5	-3.8%
61.7%	349.9	337.6	-12.3	-3.5%
63.0%	323.1	320.4	-2.7	-0.8%
64.2%	317.1	319.2	2.0	0.6%
65.4%	314.7	319.0	4.2	1.3%
66.7%	310.4	316.8	6.4	2.0%
67.9%	310.1	314.9	4.8	1.5%
69.1%	306.1	307.3	1.3	0.4%
70.4%	305.9	306.9	1.0	0.3%
71.6%	305.8	304.8	-1.0	-0.3%
72.8%	305.6	304.7	-0.9	-0.3%
74.1%	305.4	303.7	-1.7	-0.6%
75.3%	304.4	303.3	-1.1	-0.4%
76.5%	302.5	301.9	-0.5	-0.2%
77.8%	300.4	301.0	0.6	0.2%
79.0%	299.8	300.8	1.0	0.3%
80.2%	289.4	298.1	8.6	3.0%
81.5%	287.9	287.2	-0.7	-0.2%
82.7%	285.9	285.2	-0.7	-0.3%
84.0%	285.9	283.6	-2.3	-0.8%
85.2%	281.2	278.3	-2.8	-1.0%
86.4%	278.1	277.8	-0.3	-0.1%
87.7%	276.1	277.1	1.0	0.4%
88.9%	274.7	276.3	1.7	0.6%
90.1%	269.7	273.3	3.7	1.4%
91.4%	263.8	266.4	2.6	1.0%
92.6%	259.2	258.4	-0.8	-0.3%
93.8%	256.9	254.4	-2.5	-1.0%
95.1%	254.0	252.9	-1.1	-0.4%
96.3%	235.5	247.5	12.1	5.1%
97.5%	223.6	223.6	0.0	0.0%
98.8%	211.5	211.4	-0.1	-0.1%
100.0%	200.8	201.0	0.2	0.1%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1028.4	1024.3	-4.1	-0.4%
1.2%	970.0	1015.6	45.6	4.7%
2.5%	939.3	957.0	17.7	1.9%
3.7%	911.9	927.2	15.3	1.7%
4.9%	903.9	919.2	15.2	1.7%
6.2%	889.0	909.7	20.7	2.3%
7.4%	867.6	894.4	26.8	3.1%
8.6%	862.0	868.8	6.7	0.8%
9.9%	833.0	814.5	-18.5	-2.2%
11.1%	826.7	761.8	-64.9	-7.9%
12.3%	821.4	729.9	-91.5	-11.1%
13.6%	820.0	726.9	-93.0	-11.3%
14.8%	813.9	724.9	-89.0	-10.9%
16.0%	811.9	723.4	-88.5	-10.9%
17.3%	811.6	711.3	-100.3	-12.4%
18.5%	782.9	681.0	-101.9	-13.0%
19.8%	772.3	679.8	-92.4	-12.0%
21.0%	750.5	678.3	-72.2	-9.6%
22.2%	725.3	661.5	-63.8	-8.8%
23.5%	690.6	651.6	-39.0	-5.7%
24.7%	660.1	646.7	-13.4	-2.0%
25.9%	634.1	636.0	1.9	0.3%
27.2%	630.9	634.4	3.5	0.6%
28.4%	615.0	631.5	16.4	2.7%
29.6%	614.9	630.7	15.7	2.6%
30.9%	610.5	624.4	13.9	2.3%
32.1%	609.5	623.6	14.1	2.3%
33.3%	601.4	611.6	10.2	1.7%
34.6%	601.4	606.8	5.5	0.9%
35.8%	584.0	604.1	20.1	3.4%
37.0%	567.6	601.1	33.5	5.9%
38.3%	558.9	595.4	36.5	6.5%
39.5%	555.4	592.5	37.1	6.7%
40.7%	554.3	577.2	22.9	4.1%
42.0%	550.2	565.0	14.8	2.7%
43.2%	541.9	559.5	17.6	3.3%
44.4%	532.9	559.2	26.3	4.9%
45.7%	529.8	557.3	27.5	5.2%
46.9%	522.2	554.1	32.0	6.1%
48.1%	512.3	549.2	36.9	7.2%
49.4%	503.5	533.4	30.0	6.0%
50.6%	502.8	520.4	17.6	3.5%
51.9%	496.4	506.6	10.1	2.0%
53.1%	487.8	505.2	17.4	3.6%
54.3%	483.5	504.2	20.7	4.3%
55.6%	482.3	489.3	7.1	1.5%
56.8%	479.7	486.0	6.3	1.3%
58.0%	468.8	481.9	13.1	2.8%
59.3%	468.1	481.8	13.7	2.9%
60.5%	459.4	473.1	13.7	3.0%
61.7%	454.9	472.8	17.9	3.9%
63.0%	450.4	460.2	9.8	2.2%
64.2%	446.6	453.5	6.8	1.5%
65.4%	440.7	449.4	8.7	2.0%
66.7%	439.4	446.4	7.0	1.6%
67.9%	435.1	440.9	5.7	1.3%
69.1%	426.7	437.7	11.0	2.6%
70.4%	421.9	436.1	14.1	3.3%
71.6%	408.1	427.4	19.3	4.7%
72.8%	405.9	427.0	21.1	5.2%
74.1%	405.4	422.7	17.3	4.3%
75.3%	398.4	421.4	23.0	5.8%
76.5%	396.9	405.7	8.8	2.2%
77.8%	393.7	405.4	11.7	3.0%
79.0%	386.7	386.7	0.0	0.0%
80.2%	383.5	385.4	1.8	0.5%
81.5%	373.6	377.9	4.3	1.2%
82.7%	357.8	372.2	14.4	4.0%
84.0%	346.3	372.1	25.8	7.4%
85.2%	345.7	357.9	12.2	3.5%
86.4%	344.9	348.6	3.7	1.1%
87.7%	344.1	343.1	-1.0	-0.3%
88.9%	328.6	323.1	-5.5	-1.7%
90.1%	323.4	322.3	-1.1	-0.3%
91.4%	322.3	321.8	-0.5	-0.2%
92.6%	316.9	319.1	2.1	0.7%
93.8%	316.2	317.5	1.3	0.4%
95.1%	315.3	317.2	2.0	0.6%
96.3%	303.9	299.3	-4.6	-1.5%
97.5%	279.5	279.7	0.2	0.1%
98.8%	265.1	264.1	-1.0	-0.4%
100.0%	231.3	231.4	0.1	0.0%

Table SQ-29-b

Old River at Los Vaqueros Intake, Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	891.1	887.3	-3.8	-0.4%
1.2%	822.3	833.3	11.0	1.3%
2.5%	784.8	827.6	42.8	5.4%
3.7%	728.2	771.8	43.6	6.0%
4.9%	718.9	709.2	-9.8	-1.4%
6.2%	705.8	667.6	-38.2	-5.4%
7.4%	688.5	649.4	-39.1	-5.7%
8.6%	679.1	636.4	-42.7	-6.3%
9.9%	633.2	632.6	-0.6	-0.1%
11.1%	626.5	630.7	4.2	0.7%
12.3%	607.0	603.9	-3.2	-0.5%
13.6%	602.4	599.7	-2.8	-0.5%
14.8%	592.5	598.1	5.6	0.9%
16.0%	585.5	585.3	-0.2	0.0%
17.3%	578.6	582.6	4.1	0.7%
18.5%	578.0	581.5	3.4	0.6%
19.8%	576.5	578.2	1.8	0.3%
21.0%	567.0	562.5	-4.5	-0.8%
22.2%	562.9	557.9	-5.0	-0.9%
23.5%	561.7	539.4	-22.3	-4.0%
24.7%	534.2	538.3	4.1	0.8%
25.9%	522.8	535.8	13.0	2.5%
27.2%	515.0	534.0	19.0	3.7%
28.4%	514.0	529.7	15.7	3.1%
29.6%	511.8	526.6	14.9	2.9%
30.9%	510.7	519.5	8.8	1.7%
32.1%	510.1	519.1	9.0	1.8%
33.3%	505.4	513.4	8.0	1.6%
34.6%	490.8	510.1	19.2	3.9%
35.8%	489.1	509.7	20.7	4.2%
37.0%	481.0	509.0	28.1	5.8%
38.3%	479.6	506.8	27.2	5.7%
39.5%	473.1	505.8	32.6	6.9%
40.7%	468.3	495.5	27.3	5.8%
42.0%	467.4	491.7	24.3	5.2%
43.2%	465.6	485.4	19.8	4.3%
44.4%	464.4	484.3	19.9	4.3%
45.7%	460.6	480.4	19.8	4.3%
46.9%	458.4	473.4	14.9	3.3%
48.1%	455.6	467.5	11.9	2.6%
49.4%	455.5	460.8	5.3	1.2%
50.6%	453.9	455.4	1.5	0.3%
51.9%	442.2	454.5	12.3	2.8%
53.1%	423.5	452.9	29.4	6.9%
54.3%	414.4	450.0	35.6	8.6%
55.6%	410.6	444.8	34.1	8.3%
56.8%	409.7	435.3	25.6	6.3%
58.0%	408.3	429.4	21.1	5.2%
59.3%	408.2	426.4	18.2	4.5%
60.5%	407.2	419.8	12.6	3.1%
61.7%	404.2	416.5	12.3	3.1%
63.0%	402.9	412.8	9.9	2.5%
64.2%	402.9	408.6	5.7	1.4%
65.4%	399.6	408.2	8.5	2.1%
66.7%	396.8	403.8	7.0	1.8%
67.9%	377.7	401.1	23.5	6.2%
69.1%	369.1	397.8	28.7	7.8%
70.4%	354.5	381.3	26.8	7.6%
71.6%	351.4	355.3	3.8	1.1%
72.8%	347.2	352.9	5.6	1.6%
74.1%	345.0	349.6	4.6	1.3%
75.3%	344.1	345.0	0.9	0.3%
76.5%	338.5	327.0	-11.6	-3.4%
77.8%	323.7	326.6	2.9	0.9%
79.0%	322.7	323.7	1.0	0.3%
80.2%	320.9	320.7	-0.2	-0.1%
81.5%	318.7	319.4	0.7	0.2%
82.7%	317.8	318.2	0.4	0.1%
84.0%	317.2	316.9	-0.2	-0.1%
85.2%	313.7	307.6	-6.1	-1.9%
86.4%	307.5	302.4	-5.1	-1.7%
87.7%	302.7	300.6	-2.1	-0.7%
88.9%	301.1	298.9	-2.2	-0.7%
90.1%	298.8	298.0	-0.7	-0.2%
91.4%	297.2	297.4	0.2	0.1%
92.6%	293.3	293.5	0.2	0.1%
93.8%	291.8	292.9	1.1	0.4%
95.1%	285.8	286.0	0.2	0.1%
96.3%	283.8	283.9	0.1	0.0%
97.5%	283.7	282.9	-0.8	-0.3%
98.8%	274.8	274.6	-0.1	0.0%
100.0%	208.9	210.3	1.4	0.7%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	774.7	742.2	-32.4	-4.2%
1.2%	699.3	683.3	-16.0	-2.3%
2.5%	679.4	681.9	2.5	0.4%
3.7%	634.1	604.8	-29.3	-4.6%
4.9%	604.5	594.6	-9.8	-1.6%
6.2%	597.7	568.3	-29.5	-4.9%
7.4%	555.2	566.7	11.5	2.1%
8.6%	553.5	558.2	4.7	0.8%
9.9%	530.7	556.3	25.6	4.8%
11.1%	517.3	529.2	11.9	2.3%
12.3%	515.4	515.9	0.5	0.1%
13.6%	510.9	515.9	5.0	1.0%
14.8%	488.7	512.5	23.8	4.9%
16.0%	484.0	492.4	8.4	1.7%
17.3%	479.3	487.5	8.3	1.7%
18.5%	468.3	483.6	15.3	3.3%
19.8%	456.9	480.7	23.8	5.2%
21.0%	450.0	470.0	20.0	4.4%
22.2%	448.7	467.5	18.8	4.2%
23.5%	446.9	459.5	12.6	2.8%
24.7%	441.8	452.6	10.8	2.4%
25.9%	439.7	448.6	8.9	2.0%
27.2%	439.5	445.5	6.0	1.4%
28.4%	435.3	441.6	6.3	1.4%
29.6%	432.0	437.4	5.5	1.3%
30.9%	429.6	436.5	6.9	1.6%
32.1%	423.2	433.0	9.9	2.3%
33.3%	418.5	428.0	9.5	2.3%
34.6%	415.2	424.9	9.7	2.3%
35.8%	412.8	424.7	11.9	2.9%
37.0%	408.3	414.6	6.3	1.5%
38.3%	391.1	409.2	18.1	4.6%
39.5%	388.7	400.2	11.5	2.9%
40.7%	383.7	397.2	13.5	3.5%
42.0%	380.7	392.7	12.0	3.2%
43.2%	379.6	389.1	9.5	2.5%
44.4%	378.1	380.5	2.4	0.6%
45.7%	369.5	379.2	9.8	2.6%
46.9%	369.1	378.7	9.6	2.6%
48.1%	366.1	378.6	12.6	3.4%
49.4%	362.4	376.2	13.7	3.8%
50.6%	355.8	374.2	18.4	5.2%
51.9%	349.3	374.2	24.9	7.1%
53.1%	347.5	369.4	21.9	6.3%
54.3%	346.7	366.9	20.2	5.8%
55.6%	346.3	361.3	15.0	4.3%
56.8%	345.5	351.5	6.0	1.7%
58.0%	341.5	350.4	9.0	2.6%
59.3%	340.6	350.3	9.7	2.8%
60.5%	336.2	346.0	9.8	2.9%
61.7%	335.6	343.1	7.5	2.2%
63.0%	334.1	337.1	3.0	0.9%
64.2%	332.8	333.6	0.7	0.2%
65.4%	330.3	331.4	1.0	0.3%
66.7%	327.0	327.7	0.7	0.2%
67.9%	326.2	326.7	0.4	0.1%
69.1%	323.6	323.1	-0.5	-0.2%
70.4%	319.1	318.5	-0.7	-0.2%
71.6%	313.1	313.4	0.3	0.1%
72.8%	310.5	311.8	1.4	0.4%
74.1%	308.1	310.9	2.8	0.9%
75.3%	307.1	309.9	2.9	0.9%
76.5%	305.7	308.9	3.2	1.0%
77.8%	304.2	305.2	1.0	0.3%
79.0%	299.9	299.8	-0.1	0.0%
80.2%	293.2	297.0	3.8	1.3%
81.5%	288.8	293.5	4.7	1.6%
82.7%	283.3	288.3	5.0	1.8%
84.0%	281.6	284.3	2.8	1.0%
85.2%	277.4	279.1	1.8	0.6%
86.4%	270.0	270.2	0.2	0.1%
87.7%	265.9	265.9	0.0	0.0%
88.9%	263.1	263.2	0.1	0.1%
90.1%	258.4	258.8	0.4	0.2%
91.4%	257.0	256.7	-0.3	-0.1%
92.6%	253.6	253.7	0.2	0.1%
93.8%	252.1	252.1	-0.1	0.0%
95.1%	234.7	236.2	1.5	0.6%
96.3%	234.7	234.9	0.2	0.1%
97.5%	227.3	226.2	-1.1	-0.5%
98.8%	226.1	226.0	-0.2	-0.1%
100.0%	204.1	204.1	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	626.1	612.0	-14.1	-2.2%
1.2%	568.5	563.1	-5.5	-1.0%
2.5%	554.5	555.4	0.8	0.1%
3.7%	544.8	554.6	9.8	1.8%
4.9%	536.2	536.9	0.8	0.1%
6.2%	534.2	536.8	2.7	0.5%
7.4%	522.0	523.8	1.8	0.3%
8.6%	521.8	515.3	-6.5	-1.2%
9.9%	515.6	514.2	-1.4	-0.3%
11.1%	505.3	505.4	0.0	0.0%
12.3%	500.6	503.1	2.6	0.5%
13.6%	482.0	499.0	17.0	3.5%
14.8%	468.3	491.8	23.5	5.0%
16.0%	467.9	489.7	21.7	4.6%
17.3%	464.4	486.3	21.9	4.7%
18.5%	460.0	482.5	22.6	4.9%
19.8%	457.0	481.7	24.7	5.4%
21.0%	456.6	471.4	14.8	3.2%
22.2%	452.6	467.9	15.3	3.4%
23.5%	452.3	461.6	9.3	2.0%
24.7%	443.9	455.4	11.5	2.6%
25.9%	439.4	441.8	2.5	0.6%
27.2%	435.3	439.7	4.4	1.0%
28.4%	426.1	437.6	11.5	2.7%
29.6%	423.2	427.5	4.3	1.0%
30.9%	420.0	426.8	6.8	1.6%
32.1%	413.9	426.5	12.6	3.1%
33.3%	411.5	417.4	5.9	1.4%
34.6%	406.3	414.4	8.1	2.0%
35.8%	402.8	412.6	9.7	2.4%
37.0%	399.5	403.2	3.7	0.9%
38.3%	394.6	400.1	5.4	1.4%
39.5%	392.9	398.3	5.4	1.4%
40.7%	392.3	393.9	1.6	0.4%
42.0%	392.0	392.5	0.5	0.1%
43.2%	391.0	390.5	-0.4	-0.1%
44.4%	375.8	379.6	3.8	1.0%
45.7%	373.3	376.8	3.5	0.9%
46.9%	370.2	370.5	0.3	0.1%
48.1%	365.4	366.2	0.8	0.2%
49.4%	359.6	360.7	1.1	0.3%
50.6%	356.2	356.3	0.1	0.0%
51.9%	349.6	350.5	1.0	0.3%
53.1%	342.7	342.7	0.0	0.0%
54.3%	341.4	341.5	0.1	0.0%
55.6%	334.8	335.1	0.3	0.1%
56.8%	334.2	334.4	0.2	0.1%
58.0%	328.5	329.3	0.8	0.2%
59.3%	318.0	318.0	0.0	0.0%
60.5%	312.7	315.0	2.3	0.8%
61.7%	312.4	312.6	0.2	0.1%
63.0%	308.7	308.7	0.0	0.0%
64.2%	307.4	308.2	0.8	0.2%
65.4%	304.3	307.5	3.2	1.1%
66.7%	303.7	305.1	1.4	0.5%
67.9%	297.4	297.6	0.1	0.0%
69.1%	293.8	294.3	0.4	0.1%
70.4%	290.7	289.1	-1.5	-0.5%
71.6%	284.5	284.6	0.1	0.0%
72.8%	274.9	274.9	0.1	0.0%
74.1%	274.4	274.5	0.2	0.1%
75.3%	274.3	274.4	0.1	0.0%
76.5%	269.4	270.0	0.7	0.2%
77.8%	268.8	268.8	0.0	0.0%
79.0%	263.3	263.3	0.0	0.0%
80.2%	263.1	263.2	0.1	0.0%
81.5%	256.8	257.3	0.5	0.2%
82.7%	249.4	248.0	-1.4	-0.6%
84.0%	247.1	247.1	0.0	0.0%
85.2%	244.8	244.5	-0.2	-0.1%
86.4%	241.2	241.2	0.1	0.0%
87.7%	239.5	239.3	-0.3	-0.1%
88.9%	220.7	221.1	0.4	0.2%
90.1%	219.3	219.5	0.2	0.1%
91.4%	216.2	216.5	0.3	0.1%
92.6%	215.5	215.8	0.2	0.1%
93.8%	214.7	215.4	0.7	0.3%
95.1%	214.0	214.7	0.7	0.3%
96.3%	188.9	189.2	0.3	0.2%
97.5%	188.6	188.0	-0.6	-0.3%
98.8%	177.9	177.4	-0.5	-0.3%
100.0%	166.1	166.9	0.8	0.5%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	533.0	539.7	6.7	1.3%
1.2%	520.2	526.4	6.2	1.2%
2.5%	509.8	519.9	10.1	2.0%
3.7%	508.8	509.7	0.9	0.2%
4.9%	505.8	506.6	0.8	0.2%
6.2%	505.5	505.4	-0.1	0.0%
7.4%	504.5	500.3	-4.2	-0.8%
8.6%	494.9	499.4	4.6	0.9%
9.9%	490.9	496.7	5.9	1.2%
11.1%	485.9	483.6	-2.3	-0.5%
12.3%	484.5	481.3	-3.2	-0.7%
13.6%	483.6	475.1	-8.5	-1.8%
14.8%	469.3	473.6	4.4	0.9%
16.0%	463.5	463.9	0.3	0.1%
17.3%	460.6	461.5	0.9	0.2%
18.5%	458.9	454.3	-4.6	-1.0%
19.8%	452.0	453.7	1.7	0.4%
21.0%	451.8	451.1	-0.6	-0.1%
22.2%	448.9	449.8	0.8	0.2%
23.5%	445.3	445.7	0.4	0.1%
24.7%	443.1	443.8	0.7	0.2%
25.9%	436.3	443.7	7.4	1.7%
27.2%	435.1	442.0	6.9	1.6%
28.4%	425.4	437.0	11.6	2.7%
29.6%	424.3	436.6	12.2	2.9%
30.9%	422.8	429.3	6.5	1.5%
32.1%	422.5	422.8	0.4	0.1%
33.3%	421.2	420.8	-0.4	-0.1%
34.6%	417.5	418.7	1.2	0.3%
35.8%	415.8	418.4	2.6	0.6%
37.0%	413.9	412.9	-1.0	-0.2%
38.3%	407.4	411.9	4.5	1.1%
39.5%	402.7	408.8	6.1	1.5%
40.7%	400.9	403.2	2.3	0.6%
42.0%	396.8	403.1	6.3	1.6%
43.2%	396.2	401.1	4.9	1.2%
44.4%	395.8	397.9	2.1	0.5%
45.7%	395.3	397.0	1.7	0.4%
46.9%	392.9	396.0	3.0	0.8%
48.1%	392.8	393.1	0.3	0.1%
49.4%	391.9	392.2	0.3	0.1%
50.6%	391.2	392.1	0.9	0.2%
51.9%	386.2	391.5	5.3	1.4%
53.1%	383.6	386.1	2.6	0.7%
54.3%	377.0	383.9	6.9	1.8%
55.6%	374.8	383.5	8.8	2.3%
56.8%	372.1	377.0	4.9	1.3%
58.0%	371.7	371.5	-0.3	-0.1%
59.3%	371.4	371.2	-0.3	-0.1%
60.5%	369.4	370.5	1.1	0.3%
61.7%	368.2	369.4	1.3	0.3%
63.0%	363.7	364.1	0.3	0.1%
64.2%	363.4	362.9	-0.4	-0.1%
65.4%	359.2	359.1	-0.1	0.0%
66.7%	354.6	354.6	0.1	0.0%
67.9%	337.8	338.0	0.2	0.1%
69.1%	335.7	335.8	0.1	0.0%
70.4%	333.6	333.6	0.0	0.0%
71.6%	326.0	326.0	0.0	0.0%
72.8%	322.5	322.5	0.0	0.0%
74.1%	317.4	317.4	0.0	0.0%
75.3%	305.6	305.6	0.0	0.0%
76.5%	303.2	303.3	0.1	0.0%
77.8%	302.3	302.4	0.1	0.0%
79.0%	279.7	281.1	1.4	0.5%
80.2%	275.3	276.7	1.5	0.5%
81.5%	269.3	269.4	0.0	0.0%
82.7%	266.8	268.1	1.4	0.5%
84.0%	259.7	259.8	0.1	0.0%
85.2%	249.4	250.2	0.8	0.3%
86.4%	245.6	245.8	0.2	0.1%
87.7%	216.6	216.9	0.3	0.1%
88.9%	204.6	205.2	0.6	0.3%
90.1%	201.8	202.2	0.4	0.2%
91.4%	200.5	201.4	0.9	0.4%
92.6%	196.0	196.4	0.4	0.2%
93.8%	185.4	185.7	0.3	0.2%
95.1%	183.1	183.4	0.3	0.2%
96.3%	168.7	168.9	0.2	0.1%
97.5%	165.5	165.8	0.3	0.2%
98.8%	163.8	163.9	0.1	0.1%
100.0%	160.2	160.5	0.4	0.2%

Table SQ-29-b

Old River at Los Vaqueros Intake, Monthly EC
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	526.2	526.2	0.0	0.0%
1.2%	521.5	516.9	-4.7	-0.9%
2.5%	493.3	479.6	-13.7	-2.8%
3.7%	442.9	443.5	0.5	0.1%
4.9%	441.1	443.1	2.1	0.5%
6.2%	439.4	431.9	-7.5	-1.7%
7.4%	427.3	426.4	-0.9	-0.2%
8.6%	404.2	402.9	-1.3	-0.3%
9.9%	399.1	399.9	0.7	0.2%
11.1%	394.4	398.6	4.2	1.1%
12.3%	392.2	395.4	3.2	0.8%
13.6%	385.6	386.9	1.3	0.3%
14.8%	380.1	380.3	0.1	0.0%
16.0%	370.4	367.4	-3.0	-0.8%
17.3%	366.0	366.8	0.8	0.2%
18.5%	363.2	364.5	1.3	0.4%
19.8%	358.6	360.1	1.4	0.4%
21.0%	358.1	352.2	-5.9	-1.6%
22.2%	346.5	346.7	0.2	0.1%
23.5%	345.2	344.8	-0.4	-0.1%
24.7%	343.9	343.1	-0.8	-0.2%
25.9%	342.9	342.3	-0.5	-0.2%
27.2%	341.5	342.2	0.6	0.2%
28.4%	338.4	338.3	-0.1	0.0%
29.6%	333.7	335.9	2.1	0.6%
30.9%	333.6	333.6	0.0	0.0%
32.1%	330.8	332.3	1.5	0.5%
33.3%	329.7	331.4	1.6	0.5%
34.6%	329.7	331.3	1.6	0.5%
35.8%	326.7	330.1	3.4	1.0%
37.0%	325.9	328.7	2.9	0.9%
38.3%	324.4	327.1	2.7	0.8%
39.5%	321.0	326.3	5.2	1.6%
40.7%	319.8	322.1	2.3	0.7%
42.0%	319.5	320.2	0.7	0.2%
43.2%	319.5	319.1	-0.4	-0.1%
44.4%	319.1	319.0	-0.1	0.0%
45.7%	316.8	318.7	1.9	0.6%
46.9%	315.9	318.5	2.5	0.8%
48.1%	315.8	317.7	1.9	0.6%
49.4%	315.7	317.3	1.7	0.5%
50.6%	314.9	316.7	1.8	0.6%
51.9%	314.0	315.6	1.6	0.5%
53.1%	313.8	315.3	1.5	0.5%
54.3%	313.8	315.3	1.5	0.5%
55.6%	313.4	314.9	1.4	0.5%
56.8%	312.1	313.0	0.9	0.3%
58.0%	311.9	312.8	0.9	0.3%
59.3%	311.9	312.5	0.7	0.2%
60.5%	311.8	311.8	0.0	0.0%
61.7%	311.3	311.4	0.1	0.0%
63.0%	311.2	309.0	-2.2	-0.7%
64.2%	310.3	308.1	-2.1	-0.7%
65.4%	309.1	308.1	-1.0	-0.3%
66.7%	307.7	306.9	-0.8	-0.3%
67.9%	306.6	306.1	-0.6	-0.2%
69.1%	306.6	305.9	-0.7	-0.2%
70.4%	306.3	305.5	-0.8	-0.3%
71.6%	306.3	304.7	-1.6	-0.5%
72.8%	301.0	300.6	-0.4	-0.1%
74.1%	299.0	298.4	-0.7	-0.2%
75.3%	298.4	296.8	-1.6	-0.5%
76.5%	296.2	296.3	0.1	0.0%
77.8%	295.7	294.5	-1.2	-0.4%
79.0%	294.2	293.8	-0.4	-0.1%
80.2%	294.1	293.1	-1.0	-0.3%
81.5%	292.0	292.1	0.2	0.1%
82.7%	291.6	292.0	0.4	0.1%
84.0%	279.9	279.5	-0.4	-0.2%
85.2%	278.2	276.3	-1.9	-0.7%
86.4%	276.4	275.5	-0.8	-0.3%
87.7%	272.1	268.7	-3.4	-1.2%
88.9%	266.0	266.4	0.4	0.1%
90.1%	265.8	264.7	-1.2	-0.4%
91.4%	263.7	263.6	-0.1	0.0%
92.6%	262.5	262.6	0.1	0.0%
93.8%	255.6	254.4	-1.3	-0.5%
95.1%	252.3	252.2	0.0	0.0%
96.3%	248.7	245.9	-2.8	-1.1%
97.5%	245.6	243.9	-1.7	-0.7%
98.8%	243.8	242.3	-1.5	-0.6%
100.0%	242.6	232.9	-9.7	-4.0%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	624.1	608.1	-16.0	-2.6%
1.2%	589.5	593.2	3.7	0.6%
2.5%	581.4	557.6	-23.8	-4.1%
3.7%	576.5	547.5	-29.0	-5.0%
4.9%	499.8	501.0	1.3	0.3%
6.2%	435.4	433.1	-2.3	-0.5%
7.4%	416.9	420.5	3.6	0.9%
8.6%	416.3	418.0	1.7	0.4%
9.9%	413.4	411.6	-1.8	-0.4%
11.1%	399.5	410.1	10.6	2.6%
12.3%	390.5	406.6	16.1	4.1%
13.6%	386.5	401.1	14.6	3.8%
14.8%	385.1	400.8	15.7	4.1%
16.0%	383.2	390.1	6.9	1.8%
17.3%	382.7	390.0	7.4	1.9%
18.5%	381.9	388.5	6.6	1.7%
19.8%	377.5	375.1	-2.4	-0.6%
21.0%	375.6	366.7	-8.9	-2.4%
22.2%	373.1	360.6	-12.6	-3.4%
23.5%	369.5	357.9	-11.6	-3.1%
24.7%	366.6	353.7	-12.8	-3.5%
25.9%	365.1	353.5	-11.6	-3.2%
27.2%	349.9	350.3	0.4	0.1%
28.4%	347.8	344.3	-3.5	-1.0%
29.6%	335.5	338.9	3.3	1.0%
30.9%	328.2	335.2	7.1	2.2%
32.1%	327.5	331.9	4.3	1.3%
33.3%	326.1	326.9	0.7	0.2%
34.6%	325.7	326.3	0.6	0.2%
35.8%	325.7	325.7	0.0	0.0%
37.0%	320.8	325.5	4.7	1.4%
38.3%	319.0	322.5	3.5	1.1%
39.5%	317.5	321.2	3.7	1.2%
40.7%	316.1	317.1	0.9	0.3%
42.0%	313.9	316.1	2.2	0.7%
43.2%	311.2	311.7	0.5	0.2%
44.4%	310.9	311.7	0.7	0.2%
45.7%	310.5	311.6	1.1	0.3%
46.9%	307.3	304.5	-2.9	-0.9%
48.1%	303.2	302.6	-0.5	-0.2%
49.4%	302.9	302.5	-0.4	-0.1%
50.6%	302.6	302.2	-0.5	-0.1%
51.9%	301.2	300.0	-1.3	-0.4%
53.1%	301.0	299.4	-1.6	-0.5%
54.3%	296.0	295.3	-0.7	-0.3%
55.6%	294.4	294.5	0.2	0.1%
56.8%	293.8	293.8	0.0	0.0%
58.0%	289.6	293.7	4.1	1.4%
59.3%	289.4	285.9	-3.4	-1.2%
60.5%	288.7	285.9	-2.9	-1.0%
61.7%	288.2	285.6	-2.6	-0.9%
63.0%	285.2	284.4	-0.8	-0.3%
64.2%	285.0	283.2	-1.8	-0.6%
65.4%	284.7	283.2	-1.5	-0.5%
66.7%	284.3	281.5	-2.7	-1.0%
67.9%	284.2	280.0	-4.2	-1.5%
69.1%	282.6	278.4	-4.2	-1.5%
70.4%	280.7	278.2	-2.4	-0.9%
71.6%	280.2	277.8	-2.4	-0.9%
72.8%	277.1	277.0	-0.1	0.0%
74.1%	277.0	276.6	-0.4	-0.1%
75.3%	276.5	276.6	0.1	0.0%
76.5%	275.1	275.8	0.7	0.2%
77.8%	274.3	275.4	1.1	0.4%
79.0%	273.0	274.8	1.8	0.7%
80.2%	271.2	274.3	3.1	1.1%
81.5%	269.9	271.5	1.6	0.6%
82.7%	269.6	271.1	1.6	0.6%
84.0%	269.5	271.1	1.6	0.6%
85.2%	269.2	269.8	0.6	0.2%
86.4%	269.1	269.3	0.2	0.1%
87.7%	268.2	269.2	1.0	0.4%
88.9%	267.0	268.4	1.4	0.5%
90.1%	266.5	267.4	0.8	0.3%
91.4%	266.4	265.5	-1.0	-0.4%
92.6%	266.4	263.9	-2.5	-1.0%
93.8%	266.1	262.7	-3.4	-1.3%
95.1%	257.9	257.6	-0.3	-0.1%
96.3%	257.3	257.3	0.0	0.0%
97.5%	257.0	257.1	0.1	0.0%
98.8%	255.6	254.6	-1.0	-0.4%
100.0%	251.3	252.5	1.2	0.5%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	758.5	770.5	12.0	1.6%
1.2%	678.1	727.8	49.7	7.3%
2.5%	661.8	691.8	30.0	4.5%
3.7%	649.4	672.6	23.2	3.6%
4.9%	635.3	648.0	12.7	2.0%
6.2%	619.9	647.0	27.1	4.4%
7.4%	617.4	639.0	21.6	3.5%
8.6%	614.9	622.0	7.1	1.1%
9.9%	604.1	611.5	7.4	1.2%
11.1%	603.2	611.3	8.1	1.3%
12.3%	592.7	610.4	17.7	3.0%
13.6%	570.8	607.3	36.5	6.4%
14.8%	570.5	589.2	18.7	3.3%
16.0%	563.9	581.3	17.4	3.1%
17.3%	563.3	579.8	16.5	2.9%
18.5%	558.9	573.2	14.3	2.6%
19.8%	554.3	550.4	-3.9	-0.7%
21.0%	549.9	543.2	-6.7	-1.2%
22.2%	539.1	536.9	-2.3	-0.4%
23.5%	526.7	505.4	-21.2	-4.0%
24.7%	474.9	498.0	23.2	4.9%
25.9%	449.1	461.7	12.7	2.8%
27.2%	448.8	459.4	10.6	2.4%
28.4%	443.4	450.5	7.1	1.6%
29.6%	439.6	446.0	6.4	1.4%
30.9%	434.9	444.8	9.9	2.3%
32.1%	433.2	444.2	11.0	2.6%
33.3%	430.7	438.5	7.8	1.8%
34.6%	427.6	438.3	10.7	2.5%
35.8%	426.2	433.0	6.8	1.6%
37.0%	425.0	430.7	5.6	1.3%
38.3%	423.1	430.3	7.1	1.7%
39.5%	419.0	426.9	7.9	1.9%
40.7%	406.2	426.6	20.5	5.0%
42.0%	403.1	425.7	22.6	5.6%
43.2%	392.8	422.2	29.4	7.5%
44.4%	392.3	417.3	25.0	6.4%
45.7%	390.8	409.4	18.6	4.8%
46.9%	386.9	407.1	20.2	5.2%
48.1%	385.9	401.9	16.1	4.2%
49.4%	382.1	398.6	16.5	4.3%
50.6%	378.0	384.4	6.4	1.7%
51.9%	375.2	378.5	3.4	0.9%
53.1%	371.5	378.2	6.7	1.8%
54.3%	366.6	374.8	8.1	2.2%
55.6%	362.6	367.9	5.2	1.4%
56.8%	357.7	367.8	10.1	2.8%
58.0%	353.7	367.2	13.5	3.8%
59.3%	351.8	365.5	13.8	3.9%
60.5%	348.3	359.2	10.9	3.1%
61.7%	346.3	358.3	12.0	3.5%
63.0%	346.0	356.3	10.3	3.0%
64.2%	338.3	340.6	2.3	0.7%
65.4%	330.2	338.8	8.7	2.6%
66.7%	329.8	334.5	4.7	1.4%
67.9%	328.3	330.2	1.9	0.6%
69.1%	324.4	329.5	5.1	1.6%
70.4%	323.3	327.7	4.5	1.4%
71.6%	321.7	321.8	0.1	0.0%
72.8%	320.9	320.8	-0.1	0.0%
74.1%	317.0	319.1	2.1	0.7%
75.3%	315.1	315.4	0.3	0.1%
76.5%	314.5	314.6	0.1	0.0%
77.8%	309.8	313.5	3.6	1.2%
79.0%	305.9	312.3	6.4	2.1%
80.2%	305.3	312.0	6.6	2.2%
81.5%	302.3	311.2	8.9	3.0%
82.7%	301.8	300.6	-1.3	-0.4%
84.0%	301.5	296.3	-5.2	-1.7%
85.2%	300.5	294.1	-6.3	-2.1%
86.4%	296.8	293.5	-3.2	-1.1%
87.7%	296.1	291.2	-4.9	-1.7%
88.9%	295.4	291.1	-4.3	-1.5%
90.1%	291.3	286.9	-4.4	-1.5%
91.4%	285.6	285.3	-0.4	-0.1%
92.6%	281.8	283.0	1.2	0.4%
93.8%	281.4	278.6	-2.8	-1.0%
95.1%	278.7	276.8	-2.0	-0.7%
96.3%	277.5	274.7	-2.8	-1.0%
97.5%	275.6	266.8	-8.8	-3.2%
98.8%	267.5	261.2	-6.3	-2.4%
100.0%	264.4	258.1	-6.3	-2.4%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	814.2	833.3	19.2	2.4%
1.2%	812.4	818.3	5.9	0.7%
2.5%	772.9	763.0	-9.9	-1.3%
3.7%	748.9	754.3	5.3	0.7%
4.9%	740.4	752.2	11.9	1.6%
6.2%	738.1	745.0	6.9	0.9%
7.4%	732.6	734.6	2.0	0.3%
8.6%	731.3	733.3	1.9	0.3%
9.9%	726.8	725.8	-1.0	-0.1%
11.1%	724.9	725.5	0.6	0.1%
12.3%	720.8	724.4	3.5	0.5%
13.6%	720.2	722.9	2.7	0.4%
14.8%	719.3	716.0	-3.3	-0.5%
16.0%	706.0	715.7	9.7	1.4%
17.3%	703.7	712.5	8.8	1.3%
18.5%	697.4	694.2	-3.2	-0.5%
19.8%	697.0	688.1	-9.0	-1.3%
21.0%	689.1	687.8	-1.3	-0.2%
22.2%	686.5	684.8	-1.7	-0.2%
23.5%	685.7	679.9	-5.8	-0.8%
24.7%	678.6	675.1	-3.5	-0.5%
25.9%	678.5	674.5	-4.0	-0.6%
27.2%	677.9	669.2	-8.7	-1.3%
28.4%	675.5	668.3	-7.2	-1.1%
29.6%	667.0	663.4	-3.6	-0.5%
30.9%	656.1	652.3	-3.8	-0.6%
32.1%	654.6	651.3	-3.3	-0.5%
33.3%	654.5	648.7	-5.8	-0.9%
34.6%	653.6	645.3	-8.3	-1.3%
35.8%	652.7	642.9	-9.7	-1.5%
37.0%	641.5	640.0	-1.5	-0.2%
38.3%	621.5	637.9	16.3	2.6%
39.5%	620.4	637.8	17.4	2.8%
40.7%	620.2	631.5	11.3	1.8%
42.0%	609.9	627.9	18.0	3.0%
43.2%	608.3	623.6	15.3	2.5%
44.4%	594.4	622.4	28.0	4.7%
45.7%	592.6	620.2	27.6	4.7%
46.9%	578.4	616.4	38.1	6.6%
48.1%	554.7	614.2	59.5	10.7%
49.4%	554.4	604.5	50.1	9.0%
50.6%	551.8	600.9	49.2	8.9%
51.9%	550.3	597.8	47.6	8.6%
53.1%	547.3	596.3	49.0	9.0%
54.3%	542.5	579.9	37.4	6.9%
55.6%	528.2	541.8	13.6	2.6%
56.8%	527.6	535.7	8.1	1.5%
58.0%	519.1	533.6	14.4	2.8%
59.3%	514.1	522.8	8.7	1.7%
60.5%	513.4	521.2	7.8	1.5%
61.7%	503.0	514.8	11.7	2.3%
63.0%	502.3	506.7	4.3	0.9%
64.2%	502.1	503.5	1.5	0.3%
65.4%	499.2	491.9	-7.4	-1.5%
66.7%	484.7	486.1	1.4	0.3%
67.9%	473.5	481.1	7.6	1.6%
69.1%	472.1	478.6	6.4	1.4%
70.4%	471.6	471.2	-0.3	-0.1%
71.6%	464.8	464.1	-0.7	-0.1%
72.8%	460.6	450.1	-10.6	-2.3%
74.1%	458.8	447.2	-11.6	-2.5%
75.3%	452.9	441.8	-11.2	-2.5%
76.5%	448.2	435.7	-12.6	-2.8%
77.8%	447.1	433.6	-13.5	-3.0%
79.0%	441.0	424.6	-16.4	-3.7%
80.2%	436.2	421.4	-14.9	-3.4%
81.5%	422.8	419.2	-3.6	-0.9%
82.7%	422.8	416.4	-6.4	-1.5%
84.0%	420.2	414.9	-5.3	-1.3%
85.2%	417.0	411.0	-6.0	-1.4%
86.4%	408.7	402.9	-5.9	-1.4%
87.7%	402.7	402.0	-0.7	-0.2%
88.9%	402.1	396.5	-5.6	-1.4%
90.1%	392.8	395.0	2.1	0.5%
91.4%	390.5	389.0	-1.4	-0.4%
92.6%	385.8	380.9	-5.0	-1.3%
93.8%	381.1	378.9	-2.3	-0.6%
95.1%	380.3	376.9	-3.3	-0.9%
96.3%	369.3	366.0	-3.3	-0.9%
97.5%	354.7	357.6	2.9	0.8%
98.8%	339.1	330.3	-8.8	-2.6%
100.0%	259.0	243.3	-15.7	-6.1%

Figure SQ-30-b
Victoria Canal at Alternative Intake, Monthly EC
Probability of Exceedance

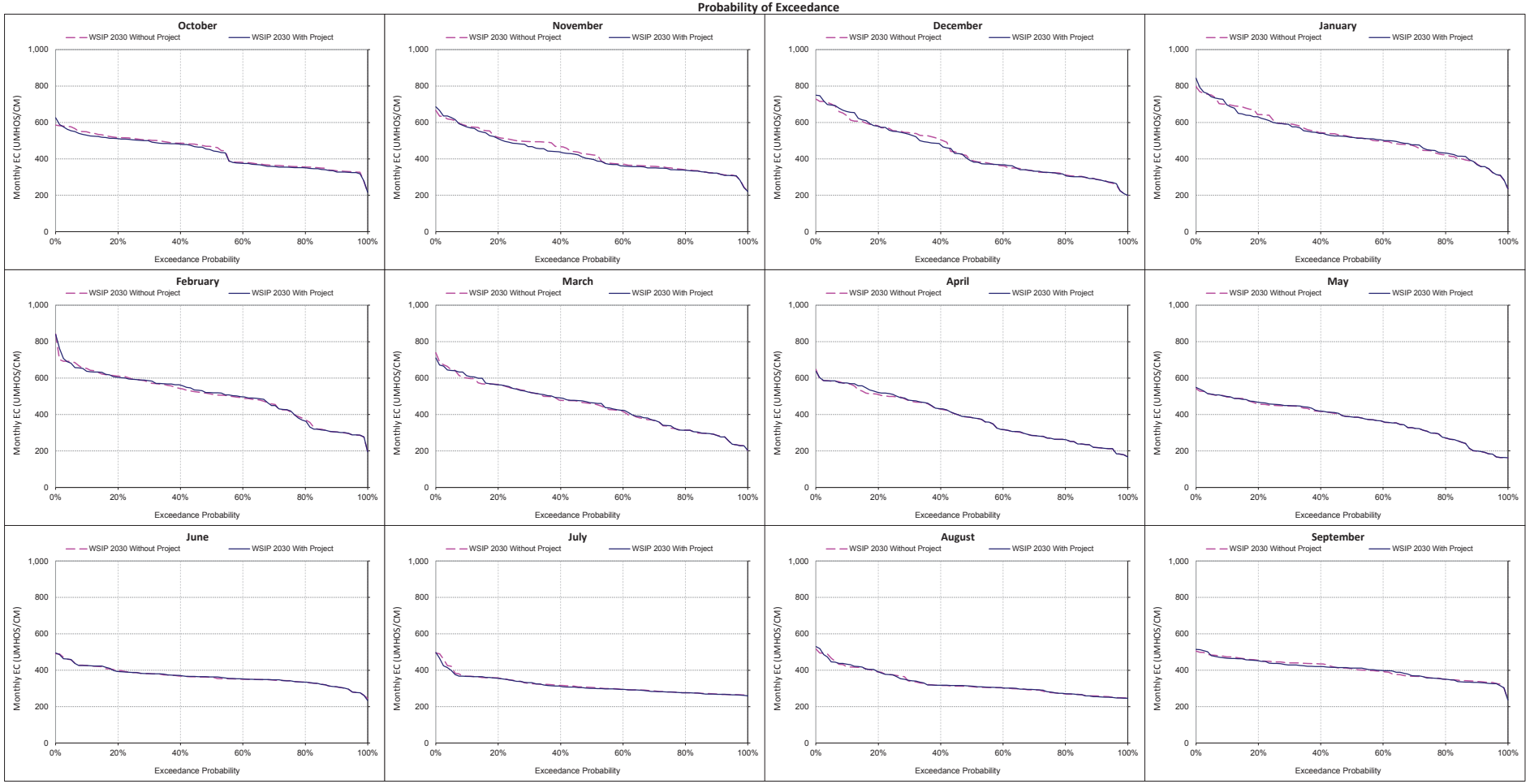


Table SQ-30-b

Victoria Canal at Alternative Intake, Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	585.5	625.6	40.0	6.8%
1.2%	581.7	588.0	6.2	1.1%
2.5%	580.0	576.0	-4.0	-0.7%
3.7%	579.0	562.8	-16.2	-2.8%
4.9%	576.0	554.8	-21.3	-3.7%
6.2%	566.4	549.7	-16.7	-2.9%
7.4%	550.8	539.7	-11.1	-2.0%
8.6%	549.8	534.9	-14.9	-2.7%
9.9%	548.7	529.7	-18.9	-3.5%
11.1%	542.5	526.3	-16.2	-3.0%
12.3%	540.4	524.3	-16.1	-3.0%
13.6%	534.3	522.4	-11.9	-2.2%
14.8%	532.2	519.0	-13.2	-2.5%
16.0%	527.3	517.8	-9.5	-1.8%
17.3%	523.1	512.9	-10.2	-2.0%
18.5%	519.4	512.7	-6.7	-1.3%
19.8%	516.9	511.0	-5.9	-1.1%
21.0%	516.2	509.1	-7.0	-1.4%
22.2%	515.6	508.9	-6.6	-1.3%
23.5%	515.3	507.0	-8.4	-1.6%
24.7%	511.5	504.6	-6.9	-1.4%
25.9%	509.6	502.9	-6.7	-1.3%
27.2%	506.4	501.3	-5.1	-1.0%
28.4%	504.5	500.8	-3.7	-0.7%
29.6%	504.4	500.3	-4.1	-0.8%
30.9%	501.6	491.0	-10.5	-2.1%
32.1%	501.0	489.0	-12.0	-2.4%
33.3%	499.7	486.4	-13.2	-2.7%
34.6%	495.3	484.9	-10.4	-2.1%
35.8%	491.9	484.5	-7.4	-1.5%
37.0%	488.4	483.0	-5.4	-1.1%
38.3%	486.4	482.8	-3.5	-0.7%
39.5%	485.7	480.9	-4.8	-1.0%
40.7%	485.7	478.9	-6.9	-1.4%
42.0%	483.6	478.2	-5.4	-1.1%
43.2%	481.5	474.8	-6.7	-1.4%
44.4%	481.0	467.8	-13.2	-2.7%
45.7%	476.6	464.3	-12.2	-2.6%
46.9%	474.1	463.8	-10.3	-2.2%
48.1%	468.9	453.8	-15.1	-3.2%
49.4%	468.9	452.2	-16.7	-3.6%
50.6%	465.3	443.2	-22.1	-4.7%
51.9%	461.5	439.7	-21.7	-4.7%
53.1%	445.1	434.7	-10.4	-2.3%
54.3%	444.9	433.5	-11.4	-2.6%
55.6%	387.1	388.9	1.8	0.5%
56.8%	383.2	380.8	-2.4	-0.6%
58.0%	381.4	377.5	-3.9	-1.0%
59.3%	381.4	375.3	-6.1	-1.6%
60.5%	379.9	374.3	-5.6	-1.5%
61.7%	379.2	374.0	-5.2	-1.4%
63.0%	376.4	369.9	-6.4	-1.7%
64.2%	373.4	369.1	-4.2	-1.1%
65.4%	372.4	367.0	-5.4	-1.4%
66.7%	368.6	363.3	-5.3	-1.4%
67.9%	366.5	358.4	-8.1	-2.2%
69.1%	364.6	358.2	-6.3	-1.7%
70.4%	364.1	356.8	-7.2	-2.0%
71.6%	363.3	354.9	-8.4	-2.3%
72.8%	361.7	354.9	-6.9	-1.9%
74.1%	361.7	354.4	-7.3	-2.0%
75.3%	358.5	352.9	-5.7	-1.6%
76.5%	357.7	351.8	-5.9	-1.7%
77.8%	357.3	351.7	-5.6	-1.6%
79.0%	356.2	351.6	-4.6	-1.3%
80.2%	354.9	350.9	-3.9	-1.1%
81.5%	354.8	346.9	-7.9	-2.2%
82.7%	353.1	346.7	-6.4	-1.8%
84.0%	351.5	345.8	-5.7	-1.6%
85.2%	349.4	341.1	-8.3	-2.4%
86.4%	348.6	340.9	-7.7	-2.2%
87.7%	338.6	335.5	-3.1	-0.9%
88.9%	337.5	334.2	-3.3	-1.0%
90.1%	334.0	328.1	-5.9	-1.8%
91.4%	333.5	327.4	-6.1	-1.8%
92.6%	331.4	327.4	-4.0	-1.2%
93.8%	330.2	325.7	-4.5	-1.4%
95.1%	329.3	325.0	-4.3	-1.3%
96.3%	327.2	324.5	-2.7	-0.8%
97.5%	326.6	316.9	-9.7	-3.0%
98.8%	275.7	277.2	1.5	0.5%
100.0%	216.2	216.2	0.0	0.0%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	666.2	686.2	20.0	3.0%
1.2%	634.6	665.0	30.4	4.8%
2.5%	633.4	635.4	1.9	0.3%
3.7%	619.1	635.2	16.1	2.6%
4.9%	616.3	627.2	10.9	1.8%
6.2%	610.7	615.7	5.0	0.8%
7.4%	595.8	593.4	-2.5	-0.4%
8.6%	588.0	584.7	-3.3	-0.6%
9.9%	581.8	576.2	-5.6	-1.0%
11.1%	576.0	569.7	-6.4	-1.1%
12.3%	574.3	566.7	-7.5	-1.3%
13.6%	572.2	553.2	-19.1	-3.3%
14.8%	558.4	547.9	-10.5	-1.9%
16.0%	555.1	543.2	-11.8	-2.1%
17.3%	553.3	526.8	-26.6	-4.8%
18.5%	527.5	523.5	-4.0	-0.8%
19.8%	519.0	513.7	-5.3	-1.0%
21.0%	514.3	503.4	-10.8	-2.1%
22.2%	512.0	496.1	-15.9	-3.1%
23.5%	508.3	490.9	-17.4	-3.4%
24.7%	503.9	486.6	-17.3	-3.4%
25.9%	499.3	484.3	-15.0	-3.0%
27.2%	498.1	482.2	-15.9	-3.2%
28.4%	496.4	480.7	-15.7	-3.2%
29.6%	495.0	468.0	-27.0	-5.5%
30.9%	494.2	467.4	-26.7	-5.4%
32.1%	494.0	458.6	-35.4	-7.2%
33.3%	493.9	455.5	-38.5	-7.8%
34.6%	492.5	455.4	-37.2	-7.5%
35.8%	492.2	443.7	-48.5	-9.9%
37.0%	488.1	441.1	-47.0	-9.6%
38.3%	468.4	440.3	-28.1	-6.0%
39.5%	466.8	438.8	-28.0	-6.0%
40.7%	465.8	433.5	-32.3	-6.9%
42.0%	457.6	429.6	-28.0	-6.1%
43.2%	441.6	429.3	-12.4	-2.8%
44.4%	439.9	426.6	-13.3	-3.0%
45.7%	436.9	421.9	-14.9	-3.4%
46.9%	428.1	409.9	-18.2	-4.3%
48.1%	427.1	402.9	-24.2	-5.7%
49.4%	424.0	400.5	-23.4	-5.5%
50.6%	421.1	395.7	-25.4	-6.0%
51.9%	419.4	386.9	-32.5	-7.8%
53.1%	386.9	385.8	-1.1	-0.3%
54.3%	377.5	374.1	-3.4	-0.9%
55.6%	376.4	370.3	-6.0	-1.6%
56.8%	374.4	369.4	-5.0	-1.3%
58.0%	372.7	368.4	-4.3	-1.2%
59.3%	370.4	361.2	-9.2	-2.5%
60.5%	370.1	359.7	-10.4	-2.8%
61.7%	365.3	358.7	-6.6	-1.8%
63.0%	364.6	357.7	-6.9	-1.9%
64.2%	364.1	357.6	-6.5	-1.8%
65.4%	362.7	357.4	-5.3	-1.5%
66.7%	361.8	356.6	-5.1	-1.4%
67.9%	360.4	350.5	-9.9	-2.7%
69.1%	359.3	350.5	-8.8	-2.5%
70.4%	358.6	350.2	-8.4	-2.4%
71.6%	356.4	349.5	-6.9	-1.9%
72.8%	355.7	348.3	-7.4	-2.1%
74.1%	351.2	347.9	-3.4	-1.0%
75.3%	350.4	341.0	-9.4	-2.7%
76.5%	346.8	340.9	-5.9	-1.7%
77.8%	344.7	339.2	-5.5	-1.6%
79.0%	342.2	338.3	-3.9	-1.1%
80.2%	338.8	336.9	-1.9	-0.6%
81.5%	338.5	335.2	-3.3	-1.0%
82.7%	335.7	333.6	-2.1	-0.6%
84.0%	334.8	333.2	-1.6	-0.5%
85.2%	327.8	328.2	0.4	0.1%
86.4%	327.1	328.1	0.9	0.3%
87.7%	323.7	323.7	0.0	0.0%
88.9%	322.6	322.2	-0.3	-0.1%
90.1%	320.8	321.8	1.0	0.3%
91.4%	315.3	314.9	-0.4	-0.1%
92.6%	311.7	309.3	-2.4	-0.8%
93.8%	311.4	308.8	-2.5	-0.8%
95.1%	310.7	307.5	-3.2	-1.0%
96.3%	304.2	307.4	3.3	1.1%
97.5%	284.3	282.5	-1.8	-0.6%
98.8%	244.5	242.6	-1.9	-0.8%
100.0%	220.9	221.2	0.3	0.1%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	728.5	749.6	21.1	2.9%
1.2%	715.8	746.6	30.8	4.3%
2.5%	715.3	718.5	3.2	0.4%
3.7%	710.1	699.1	-11.0	-1.5%
4.9%	701.3	696.0	-5.3	-0.8%
6.2%	690.2	693.3	3.1	0.4%
7.4%	659.4	678.1	18.7	2.8%
8.6%	651.7	667.0	15.3	2.4%
9.9%	637.8	659.4	21.7	3.4%
11.1%	612.9	656.2	43.3	7.1%
12.3%	607.3	654.0	46.7	7.7%
13.6%	606.9	622.8	15.9	2.6%
14.8%	606.0	614.5	8.5	1.4%
16.0%	596.4	610.6	14.2	2.4%
17.3%	589.8	594.6	4.8	0.8%
18.5%	587.4	583.6	-3.8	-0.6%
19.8%	581.9	580.8	-1.1	-0.2%
21.0%	571.2	573.6	2.3	0.4%
22.2%	569.8	573.0	3.2	0.6%
23.5%	567.2	556.6	-10.6	-1.9%
24.7%	554.9	551.0	-3.9	-0.7%
25.9%	553.4	549.9	-3.5	-0.6%
27.2%	552.0	545.9	-6.1	-1.1%
28.4%	544.9	541.3	-3.6	-0.7%
29.6%	544.7	535.7	-9.1	-1.7%
30.9%	539.7	528.5	-11.2	-2.1%
32.1%	539.6	521.4	-18.2	-3.4%
33.3%	529.2	500.1	-29.2	-5.5%
34.6%	527.4	494.9	-32.5	-6.2%
35.8%	527.4	491.4	-36.0	-6.8%
37.0%	522.0	487.8	-34.2	-6.5%
38.3%	516.4	486.5	-29.9	-5.8%
39.5%	507.9	484.2	-23.7	-4.7%
40.7%	500.0	465.6	-34.4	-6.9%
42.0%	491.1	460.6	-30.4	-6.2%
43.2%	440.8	458.0	17.2	3.9%
44.4%	439.2	430.3	-8.9	-2.0%
45.7%	431.6	428.9	-2.7	-0.6%
46.9%	423.5	425.6	2.1	0.5%
48.1%	419.0	406.1	-13.0	-3.1%
49.4%	395.7	391.6	-4.1	-1.0%
50.6%	388.3	381.5	-6.8	-1.7%
51.9%	383.2	381.0	-2.2	-0.6%
53.1%	381.7	372.8	-8.9	-2.3%
54.3%	379.8	372.4	-7.4	-2.0%
55.6%	375.5	371.2	-4.3	-1.1%
56.8%	369.9	369.7	-0.1	0.0%
58.0%	365.7	368.5	2.8	0.8%
59.3%	363.0	368.2	5.2	1.4%
60.5%	360.6	368.0	7.3	2.0%
61.7%	350.7	363.5	12.8	3.6%
63.0%	350.0	362.2	12.2	3.5%
64.2%	349.4	350.4	1.0	0.3%
65.4%	346.7	340.8	-5.9	-1.7%
66.7%	341.5	340.1	-1.4	-0.4%
67.9%	337.4	339.2	1.8	0.5%
69.1%	336.4	335.3	-1.0	-0.3%
70.4%	330.6	331.9	1.3	0.4%
71.6%	326.8	331.3	4.5	1.4%
72.8%	326.6	326.5	-0.1	0.0%
74.1%	325.2	325.7	0.5	0.1%
75.3%	324.5	324.7	0.1	0.0%
76.5%	323.5	323.4	-0.1	0.0%
77.8%	323.0	317.9	-5.0	-1.6%
79.0%	318.5	317.8	-0.7	-0.2%
80.2%	310.7	305.9	-4.8	-1.5%
81.5%	307.3	302.8	-4.5	-1.5%
82.7%	305.3	302.5	-2.8	-0.9%
84.0%	304.0	301.6	-2.4	-0.8%
85.2%	303.8	301.5	-2.3	-0.8%
86.4%	297.5	298.6	1.1	0.4%
87.7%	293.3	291.9	-1.5	-0.5%
88.9%	292.8	291.2	-1.5	-0.5%
90.1%	287.2	286.1	-1.1	-0.4%
91.4%	284.5	283.8	-0.7	-0.2%
92.6%	282.2	277.6	-4.6	-1.6%
93.8%	270.7	273.4	2.7	1.0%
95.1%	266.4	270.9	4.5	1.7%
96.3%	255.3	263.9	8.7	3.4%
97.5%	224.5	224.4	0.0	0.0%
98.8%	209.0	208.8	-0.2	-0.1%
100.0%	198.4	198.6	0.2	0.1%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	797.0	843.6	46.6	5.8%
1.2%	769.5	792.2	22.7	2.9%
2.5%	760.5	767.2	6.7	0.9%
3.7%	754.8	759.0	4.2	0.6%
4.9%	750.7	741.9	-8.8	-1.2%
6.2%	737.2	734.7	-2.4	-0.3%
7.4%	703.4	730.1	26.7	3.8%
8.6%	700.8	727.2	26.4	3.8%
9.9%	699.9	697.7	-2.2	-0.3%
11.1%	695.7	684.9	-10.7	-1.5%
12.3%	691.0	679.0	-12.1	-1.7%
13.6%	689.0	650.2	-38.8	-5.6%
14.8%	685.4	647.1	-38.3	-5.6%
16.0%	678.5	639.7	-38.8	-5.7%
17.3%	672.5	639.0	-33.5	-5.0%
18.5%	670.8	631.9	-38.8	-5.8%
19.8%	643.2	630.8	-12.5	-1.9%
21.0%	643.1	623.0	-20.1	-3.1%
22.2%	640.1	617.5	-22.6	-3.5%
23.5%	639.7	610.5	-29.2	-4.6%
24.7%	613.8	600.0	-13.9	-2.3%
25.9%	597.8	595.7	-2.1	-0.3%
27.2%	594.3	594.7	0.3	0.1%
28.4%	593.0	591.0	-2.0	-0.3%
29.6%	591.0	589.9	-1.1	-0.2%
30.9%	590.5	575.7	-14.9	-2.5%
32.1%	585.6	575.2	-10.4	-1.8%
33.3%	580.5	570.8	-9.7	-1.7%
34.6%	569.2	554.7	-14.5	-2.5%
35.8%	560.4	551.7	-8.7	-1.5%
37.0%	555.4	546.9	-8.5	-1.5%
38.3%	553.5	545.3	-8.1	-1.5%
39.5%	544.1	540.5	-3.6	-0.7%
40.7%	543.1	539.7	-3.3	-0.6%
42.0%	540.0	532.3	-7.6	-1.4%
43.2%	538.4	529.0	-9.4	-1.7%
44.4%	538.0	525.7	-12.3	-2.3%
45.7%	532.0	525.3	-6.6	-1.2%
46.9%	529.8	524.8	-5.1	-1.0%
48.1%	526.4	522.9	-3.5	-0.7%
49.4%	521.7	518.8	-2.9	-0.6%
50.6%	517.9	517.4	-0.6	-0.1%
51.9%	515.0	513.0	-2.0	-0.4%
53.1%	514.2	512.9	-1.3	-0.3%
54.3%	510.9	511.2	0.4	0.1%
55.6%	508.7	510.6	1.9	0.4%
56.8%	500.6	509.6	9.0	1.8%
58.0%	499.0	505.8	6.8	1.4%
59.3%	498.7	504.3	5.5	1.1%
60.5%	495.7	500.4	4.7	0.9%
61.7%	494.8	500.3	5.5	1.1%
63.0%	485.7	499.4	13.7	2.8%
64.2%	482.8	496.2	13.5	2.8%
65.4%	480.5	490.0	9.5	2.0%
66.7%	479.2	486.5	7.3	1.5%
67.9%	476.6	484.1	7.6	1.6%
69.1%	475.0	477.8	2.8	0.6%
70.4%	467.9	477.5	9.7	2.1%
71.6%	457.4	475.2	17.9	3.9%
72.8%	446.3	458.4	12.2	2.7%
74.1%	446.1	450.8	4.7	1.1%
75.3%	444.6	447.7	3.2	0.7%
76.5%	433.2	446.2	13.0	3.0%
77.8%	427.5	436.3	8.8	2.1%
79.0%	422.9	433.5	10.6	2.5%
80.2%	422.2	431.7	9.5	2.2%
81.5%	414.5	428.0	13.6	3.3%
82.7%	412.5	422.9	10.4	2.5%
84.0%	400.5	414.7	14.2	3.6%
85.2%	400.2	414.1	14.0	3.5%
86.4%	394.0	413.5	19.6	5.0%
87.7%	390.2	395.3	5.1	1.3%
88.9%	389.1	385.7	-3.4	-0.9%
90.1%	370.8	367.7	-3.0	-0.8%
91.4%	358.0	357.9	0.0	0.0%
92.6%	352.8	356.8	4.0	1.1%
93.8%	346.2	346.4	0.3	0.1%
95.1%	324.5	326.0	1.5	0.5%
96.3%	312.6	313.0	0.4	0.1%
97.5%	309.4	309.7	0.4	0.1%
98.8%	281.5	284.6	3.1	1.1%
100.0%	235.7	235.8	0.1	0.0%

Table SQ-30-b

Victoria Canal at Alternative Intake, Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	842.4	840.2	-2.3	-0.3%
1.2%	702.0	761.9	60.0	8.5%
2.5%	693.0	707.7	14.7	2.1%
3.7%	692.5	690.1	-2.4	-0.3%
4.9%	691.9	682.3	-9.6	-1.4%
6.2%	685.3	657.2	-28.1	-4.1%
7.4%	668.2	656.3	-11.9	-1.8%
8.6%	655.2	653.4	-1.8	-0.3%
9.9%	653.7	638.2	-15.5	-2.4%
11.1%	642.8	635.3	-7.5	-1.2%
12.3%	640.9	633.9	-7.0	-1.1%
13.6%	631.4	633.3	1.9	0.3%
14.8%	622.6	632.6	10.1	1.6%
16.0%	618.9	620.7	1.8	0.3%
17.3%	616.0	617.8	1.8	0.3%
18.5%	614.1	607.9	-6.1	-1.0%
19.8%	610.7	605.2	-5.5	-0.9%
21.0%	609.5	601.5	-8.0	-1.3%
22.2%	608.1	600.1	-8.0	-1.3%
23.5%	601.3	594.9	-6.4	-1.1%
24.7%	593.4	593.9	0.5	0.1%
25.9%	592.9	592.0	-0.9	-0.1%
27.2%	589.1	589.5	0.4	0.1%
28.4%	585.8	589.3	3.5	0.6%
29.6%	578.5	585.7	7.2	1.2%
30.9%	571.3	583.2	11.9	2.1%
32.1%	570.3	571.1	0.8	0.1%
33.3%	567.6	570.2	2.6	0.5%
34.6%	566.5	569.4	2.9	0.5%
35.8%	560.3	567.4	7.1	1.3%
37.0%	557.0	567.1	10.1	1.8%
38.3%	549.8	563.2	13.4	2.4%
39.5%	544.6	563.2	18.6	3.4%
40.7%	540.7	558.5	17.8	3.3%
42.0%	533.4	548.8	15.5	2.9%
43.2%	529.4	545.9	16.5	3.1%
44.4%	526.1	535.5	9.4	1.8%
45.7%	523.2	533.4	10.3	2.0%
46.9%	519.7	531.3	11.6	2.2%
48.1%	517.6	520.3	2.7	0.5%
49.4%	514.2	520.0	5.9	1.1%
50.6%	509.5	519.5	9.9	2.0%
51.9%	506.6	519.0	12.3	2.4%
53.1%	506.2	517.6	11.4	2.2%
54.3%	505.2	508.1	2.9	0.6%
55.6%	501.1	507.4	6.3	1.2%
56.8%	498.9	504.1	5.2	1.0%
58.0%	495.3	501.9	6.6	1.3%
59.3%	493.4	498.0	4.5	0.9%
60.5%	488.1	496.0	7.9	1.6%
61.7%	488.0	491.4	3.4	0.7%
63.0%	483.5	490.2	6.6	1.4%
64.2%	482.7	488.8	6.1	1.3%
65.4%	479.3	486.9	7.6	1.6%
66.7%	473.3	483.7	10.3	2.2%
67.9%	465.5	465.7	0.2	0.0%
69.1%	458.8	449.9	-8.8	-1.9%
70.4%	454.6	449.2	-5.5	-1.2%
71.6%	427.1	431.2	4.2	1.0%
72.8%	426.3	427.6	1.3	0.3%
74.1%	425.6	426.0	0.3	0.1%
75.3%	414.3	419.6	5.3	1.3%
76.5%	398.0	398.3	0.3	0.1%
77.8%	389.0	381.4	-7.6	-2.0%
79.0%	380.6	368.9	-11.7	-3.1%
80.2%	369.3	361.8	-7.5	-2.0%
81.5%	356.5	330.4	-26.2	-7.3%
82.7%	330.4	319.7	-10.7	-3.2%
84.0%	319.7	319.7	0.1	0.0%
85.2%	319.4	315.7	-3.7	-1.1%
86.4%	313.3	314.4	1.1	0.3%
87.7%	306.7	308.0	1.3	0.4%
88.9%	305.7	305.5	-0.2	-0.1%
90.1%	304.4	304.4	0.0	0.0%
91.4%	301.9	301.2	-0.7	-0.2%
92.6%	298.6	301.1	2.5	0.9%
93.8%	296.2	296.9	0.7	0.2%
95.1%	287.9	288.5	0.7	0.2%
96.3%	287.4	287.8	0.4	0.1%
97.5%	285.8	286.2	0.4	0.1%
98.8%	276.5	276.1	-0.4	-0.1%
100.0%	194.9	195.0	0.1	0.0%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	739.3	710.3	-29.0	-3.9%
1.2%	687.8	672.1	-15.7	-2.3%
2.5%	673.3	666.2	-7.1	-1.1%
3.7%	664.2	645.3	-18.9	-2.8%
4.9%	645.4	642.7	-2.8	-0.4%
6.2%	642.4	640.8	-1.6	-0.2%
7.4%	615.3	633.6	18.3	3.0%
8.6%	602.8	632.9	30.1	5.0%
9.9%	601.2	613.7	12.5	2.1%
11.1%	597.7	608.3	10.6	1.8%
12.3%	597.6	607.0	9.4	1.6%
13.6%	574.3	599.6	25.3	4.4%
14.8%	568.6	599.2	30.6	5.4%
16.0%	567.3	571.7	4.5	0.8%
17.3%	567.1	569.0	2.0	0.3%
18.5%	566.9	566.3	-0.6	-0.1%
19.8%	565.5	563.6	-1.9	-0.3%
21.0%	562.1	562.8	0.6	0.1%
22.2%	555.7	558.3	2.6	0.5%
23.5%	549.0	553.6	4.6	0.8%
24.7%	542.3	543.4	1.2	0.2%
25.9%	541.8	539.3	-2.5	-0.5%
27.2%	535.6	531.8	-3.8	-0.7%
28.4%	532.2	529.9	-2.3	-0.4%
29.6%	525.1	524.2	-0.9	-0.2%
30.9%	519.1	519.6	0.5	0.1%
32.1%	515.1	516.2	1.1	0.2%
33.3%	512.6	511.9	-0.7	-0.1%
34.6%	499.9	509.1	9.2	1.8%
35.8%	499.2	503.3	4.1	0.8%
37.0%	498.5	502.3	3.8	0.8%
38.3%	492.2	493.7	1.5	0.3%
39.5%	479.3	492.5	13.2	2.8%
40.7%	477.1	489.6	12.5	2.6%
42.0%	477.0	481.5	4.5	0.9%
43.2%	476.5	478.5	2.1	0.4%
44.4%	476.1	477.6	1.5	0.3%
45.7%	473.4	476.1	2.7	0.6%
46.9%	466.4	475.6	9.1	2.0%
48.1%	463.7	470.6	6.9	1.5%
49.4%	460.8	465.0	4.1	0.9%
50.6%	459.4	463.5	4.1	0.9%
51.9%	453.1	460.9	7.8	1.7%
53.1%	446.4	460.5	14.1	3.2%
54.3%	437.2	438.4	1.2	0.3%
55.6%	427.3	436.2	8.9	2.1%
56.8%	426.2	430.7	4.4	1.0%
58.0%	423.5	426.8	3.3	0.8%
59.3%	423.3	423.8	0.5	0.1%
60.5%	412.3	422.0	9.7	2.4%
61.7%	398.1	411.5	13.3	3.4%
63.0%	397.2	398.0	0.8	0.2%
64.2%	387.2	390.4	3.2	0.8%
65.4%	381.1	390.0	8.9	2.3%
66.7%	378.6	382.2	3.6	0.9%
67.9%	371.6	381.0	9.4	2.5%
69.1%	370.6	371.1	0.5	0.1%
70.4%	365.6	366.2	0.6	0.2%
71.6%	358.0	357.9	-0.1	0.0%
72.8%	338.6	340.6	2.1	0.6%
74.1%	337.5	339.7	2.2	0.6%
75.3%	325.1	338.7	13.5	4.2%
76.5%	323.6	324.0	0.5	0.1%
77.8%	317.1	315.5	-1.6	-0.5%
79.0%	313.9	314.2	0.2	0.1%
80.2%	313.8	314.1	0.3	0.1%
81.5%	313.7	314.0	0.3	0.1%
82.7%	303.9	305.0	1.1	0.4%
84.0%	298.5	304.2	5.8	1.9%
85.2%	297.5	297.7	0.2	0.1%
86.4%	296.9	297.0	0.1	0.0%
87.7%	294.4	294.7	0.3	0.1%
88.9%	292.7	292.9	0.2	0.1%
90.1%	285.1	285.1	0.0	0.0%
91.4%	281.9	277.4	-4.5	-1.6%
92.6%	277.3	277.0	-0.3	-0.1%
93.8%	254.6	254.9	0.3	0.1%
95.1%	234.6	237.5	2.9	1.2%
96.3%	233.6	234.0	0.4	0.2%
97.5%	230.2	228.9	-1.3	-0.6%
98.8%	228.5	228.5	0.1	0.0%
100.0%	202.9	203.1	0.3	0.1%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	648.3	637.5	-10.8	-1.7%
1.2%	592.6	602.0	9.4	1.6%
2.5%	586.7	586.5	-0.2	0.0%
3.7%	585.8	585.5	-0.3	0.0%
4.9%	582.9	585.1	2.2	0.4%
6.2%	582.2	585.0	2.8	0.5%
7.4%	580.4	575.2	-5.2	-0.9%
8.6%	573.2	574.0	0.8	0.1%
9.9%	569.3	573.9	4.6	0.8%
11.1%	566.9	569.3	2.4	0.4%
12.3%	557.0	568.7	11.7	2.1%
13.6%	535.9	558.3	22.4	4.2%
14.8%	529.1	557.4	28.3	5.3%
16.0%	517.9	546.2	28.3	5.5%
17.3%	513.9	534.9	21.0	4.1%
18.5%	513.7	529.1	15.3	3.0%
19.8%	511.7	522.0	10.3	2.0%
21.0%	504.5	518.4	13.9	2.8%
22.2%	502.3	518.0	15.7	3.1%
23.5%	499.4	515.1	15.7	3.1%
24.7%	499.2	511.2	12.0	2.4%
25.9%	496.8	500.1	3.3	0.7%
27.2%	496.2	492.1	-4.1	-0.8%
28.4%	486.5	491.4	4.9	1.0%
29.6%	477.4	479.2	1.8	0.4%
30.9%	471.8	476.2	4.4	0.9%
32.1%	468.0	475.2	7.2	1.5%
33.3%	467.6	469.8	2.2	0.5%
34.6%	465.2	466.4	1.2	0.2%
35.8%	459.5	461.7	2.1	0.5%
37.0%	448.0	449.0	1.0	0.2%
38.3%	433.6	434.9	1.2	0.3%
39.5%	431.4	431.7	0.3	0.1%
40.7%	427.3	430.8	3.5	0.8%
42.0%	423.5	425.8	2.3	0.5%
43.2%	412.5	413.7	1.2	0.3%
44.4%	404.6	404.6	0.0	0.0%
45.7%	398.0	398.8	0.7	0.2%
46.9%	388.6	388.8	0.2	0.1%
48.1%	386.7	388.2	1.5	0.4%
49.4%	385.1	385.1	0.0	0.0%
50.6%	381.4	381.5	0.1	0.0%
51.9%	378.3	378.4	0.0	0.0%
53.1%	372.6	373.8	1.2	0.3%
54.3%	359.0	359.8	0.8	0.2%
55.6%	357.8	358.1	0.4	0.1%
56.8%	347.9	348.0	0.1	0.0%
58.0%	324.7	325.1	0.4	0.1%
59.3%	318.1	318.1	0.0	0.0%
60.5%	316.2	316.2	0.0	0.0%
61.7%	312.1	312.0	0.0	0.0%
63.0%	306.1	306.2	0.1	0.0%
64.2%	305.8	306.1	0.3	0.1%
65.4%	302.6	305.2	2.5	0.8%
66.7%	296.0	297.0	1.1	0.4%
67.9%	290.7	290.9	0.1	0.0%
69.1%	285.1	285.2	0.1	0.0%
70.4%	284.4	284.6	0.2	0.1%
71.6%	281.2	281.2	0.0	0.0%
72.8%	280.2	279.2	-1.0	-0.4%
74.1%	271.0	271.1	0.1	0.0%
75.3%	270.2	270.3	0.2	0.1%
76.5%	264.2	264.3	0.1	0.0%
77.8%	263.6	264.2	0.6	0.2%
79.0%	263.5	263.5	0.0	0.0%
80.2%	261.0	261.1	0.1	0.0%
81.5%	252.7	252.0	-0.7	-0.3%
82.7%	251.4	251.7	0.3	0.1%
84.0%	238.9	238.8	-0.1	0.0%
85.2%	237.9	237.9	0.1	0.0%
86.4%	235.1	235.1	0.0	0.0%
87.7%	234.1	234.1	-0.1	0.0%
88.9%	220.0	220.4	0.4	0.2%
90.1%	218.7	219.0	0.3	0.1%
91.4%	216.5	217.1	0.6	0.3%
92.6%	214.4	214.4	0.0	0.0%
93.8%	212.7	213.0	0.3	0.1%
95.1%	211.8	212.3	0.5	0.2%
96.3%	184.9	184.8	-0.1	0.0%
97.5%	182.7	182.9	0.2	0.1%
98.8%	178.5	178.9	0.4	0.2%
100.0%	167.0	167.7	0.7	0.4%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	542.4	548.9	6.5	1.2%
1.2%	528.6	538.9	10.3	2.0%
2.5%	526.9	529.1	2.1	0.4%
3.7%	514.2	515.3	1.1	0.2%
4.9%	511.2	512.4	1.3	0.2%
6.2%	506.2	507.6	1.4	0.3%
7.4%	506.0	507.5	1.6	0.3%
8.6%	504.6	502.8	-1.8	-0.4%
9.9%	496.0	499.1	3.1	0.6%
11.1%	495.9	496.2	0.3	0.1%
12.3%	489.3	488.6	-0.7	-0.1%
13.6%	488.6	487.4	-1.3	-0.3%
14.8%	488.5	483.2	-5.4	-1.1%
16.0%	480.5	482.5	2.0	0.4%
17.3%	472.8	473.1	0.3	0.1%
18.5%	465.6	472.7	7.1	1.5%
19.8%	457.5	467.6	10.1	2.2%
21.0%	456.0	464.6	8.6	1.9%
22.2%	455.5	463.8	8.2	1.8%
23.5%	451.9	457.6	5.7	1.3%
24.7%	450.3	456.0	5.7	1.3%
25.9%	449.3	455.8	6.5	1.4%
27.2%	448.3	453.7	5.4	1.2%
28.4%	448.2	449.2	1.0	0.2%
29.6%	447.5	448.9	1.4	0.3%
30.9%	447.4	448.3	0.9	0.2%
32.1%	445.6	447.6	2.0	0.4%
33.3%	441.3	445.9	4.7	1.1%
34.6%	434.7	441.9	7.1	1.6%
35.8%	432.9	440.7	7.8	1.8%
37.0%	422.7	435.2	12.6	3.0%
38.3%	419.8	423.9	4.1	1.0%
39.5%	417.6	418.8	1.2	0.3%
40.7%	417.0	418.0	1.0	0.2%
42.0%	414.3	414.4	0.0	0.0%
43.2%	410.6	411.8	1.2	0.3%
44.4%	405.9	410.3	4.4	1.1%
45.7%	405.3	406.2	0.9	0.2%
46.9%	393.6	394.2	0.5	0.1%
48.1%	389.2	389.3	0.1	0.0%
49.4%	388.0	388.0	0.0	0.0%
50.6%	386.0	385.9	-0.1	0.0%
51.9%	385.0	385.4	0.4	0.1%
53.1%	381.1	381.2	0.0	0.0%
54.3%	375.6	375.7	0.1	0.0%
55.6%	372.1	372.0	0.0	0.0%
56.8%	371.0	371.0	0.0	0.0%
58.0%	367.4	367.0	-0.3	-0.1%
59.3%	365.3	365.3	0.0	0.0%
60.5%	357.0	358.2	1.2	0.3%
61.7%	355.7	356.5	0.8	0.2%
63.0%	354.5	354.6	0.0	0.0%
64.2%	354.1	354.0	0.0	0.0%
65.4%	345.7	345.7	0.1	0.0%
66.7%	342.6	343.8	1.2	0.3%
67.9%	327.9	327.9	0.0	0.0%
69.1%	327.4	327.6	0.2	0.1%
70.4%	323.5	323.5	0.0	0.0%
71.6%	321.9	322.1	0.2	0.1%
72.8%	313.3	313.2	0.0	0.0%
74.1%	308.5	308.5	0.0	0.0%
75.3%	298.4	298.4	0.0	0.0%
76.5%	297.8	297.9	0.0	0.0%
77.8%	293.2	293.3	0.1	0.0%
79.0%	274.5	275.8	1.3	0.5%
80.2%	269.5	270.8	1.4	0.5%
81.5%	264.6	264.6	0.0	0.0%
82.7%	261.2	262.5	1.3	0.5%
84.0%	255.8	255.9	0.1	0.0%
85.2%	246.9	247.6	0.8	0.3%
86.4%	241.2	241.4	0.2	0.1%
87.7%	213.3	213.5	0.3	0.1%
88.9%	200.9	201.5	0.6	0.3%
90.1%	199.2	199.6	0.4	0.2%
91.4%	196.1	196.7	0.7	0.3%
92.6%	191.4	192.0	0.6	0.3%
93.8%	184.2	184.4	0.2	0.1%
95.1%	181.9	182.2	0.3	0.2%
96.3%	166.4	166.6	0.2	0.1%
97.5%	164.1	164.4	0.3	0.2%
98.8%	163.6	163.6	0.0	0.0%
100.0%	161.3	162.1	0.8	0.5%

Table SQ-30-b

Victoria Canal at Alternative Intake, Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	490.3	494.8	4.5	0.9%
1.2%	489.4	485.7	-3.7	-0.8%
2.5%	471.4	463.2	-8.3	-1.8%
3.7%	460.4	461.0	0.6	0.1%
4.9%	457.9	458.3	0.4	0.1%
6.2%	438.3	437.5	-0.9	-0.2%
7.4%	427.6	426.3	-1.3	-0.3%
8.6%	427.3	425.7	-1.6	-0.4%
9.9%	424.9	425.7	0.7	0.2%
11.1%	423.6	425.0	1.4	0.3%
12.3%	421.9	423.5	1.6	0.4%
13.6%	420.6	422.5	1.9	0.4%
14.8%	419.6	422.4	2.8	0.7%
16.0%	408.2	416.3	8.1	2.0%
17.3%	407.5	409.6	2.1	0.5%
18.5%	403.5	398.0	-5.5	-1.4%
19.8%	400.2	393.2	-7.0	-1.7%
21.0%	397.8	391.0	-6.8	-1.7%
22.2%	392.9	390.7	-2.2	-0.6%
23.5%	389.6	388.2	-1.4	-0.4%
24.7%	387.2	387.9	0.7	0.2%
25.9%	387.0	387.2	0.2	0.1%
27.2%	382.8	382.6	-0.2	0.0%
28.4%	381.1	381.8	0.7	0.2%
29.6%	380.7	381.3	0.6	0.2%
30.9%	379.9	380.5	0.6	0.1%
32.1%	379.3	380.4	1.1	0.3%
33.3%	379.0	379.4	0.4	0.1%
34.6%	374.2	379.0	4.8	1.3%
35.8%	373.7	374.5	0.8	0.2%
37.0%	371.9	373.0	1.1	0.3%
38.3%	371.4	372.2	0.8	0.2%
39.5%	367.7	371.4	3.7	1.0%
40.7%	367.5	368.9	1.3	0.4%
42.0%	365.8	366.5	0.7	0.2%
43.2%	364.0	365.7	1.7	0.5%
44.4%	363.9	365.7	1.8	0.5%
45.7%	362.4	365.1	2.7	0.7%
46.9%	362.4	364.4	2.0	0.5%
48.1%	361.8	364.1	2.3	0.6%
49.4%	361.6	363.7	2.1	0.6%
50.6%	360.3	363.0	2.7	0.7%
51.9%	353.7	362.8	9.1	2.6%
53.1%	353.2	360.1	6.9	1.9%
54.3%	353.1	357.8	4.6	1.3%
55.6%	352.6	354.2	1.7	0.5%
56.8%	351.9	354.0	2.0	0.6%
58.0%	351.8	352.6	0.9	0.2%
59.3%	350.4	352.5	2.1	0.6%
60.5%	350.1	351.7	1.6	0.4%
61.7%	349.9	349.5	-0.3	-0.1%
63.0%	349.3	349.5	0.2	0.1%
64.2%	349.0	348.8	-0.1	0.0%
65.4%	348.4	348.8	0.4	0.1%
66.7%	348.0	348.7	0.7	0.2%
67.9%	347.6	348.3	0.6	0.2%
69.1%	347.2	347.4	0.2	0.1%
70.4%	344.8	346.9	2.1	0.6%
71.6%	343.3	346.8	3.4	1.0%
72.8%	343.3	342.6	-0.7	-0.2%
74.1%	342.5	341.5	-1.0	-0.3%
75.3%	342.4	341.3	-1.1	-0.3%
76.5%	337.9	337.9	0.0	0.0%
77.8%	335.9	335.4	-0.5	-0.2%
79.0%	335.0	334.1	-0.9	-0.3%
80.2%	334.8	334.0	-0.8	-0.2%
81.5%	329.7	331.1	1.3	0.4%
82.7%	328.9	328.8	-0.1	0.0%
84.0%	327.1	327.3	0.2	0.1%
85.2%	323.3	322.0	-1.3	-0.4%
86.4%	319.1	320.0	0.9	0.3%
87.7%	312.4	312.7	0.3	0.1%
88.9%	310.8	310.7	-0.1	0.0%
90.1%	307.5	308.1	0.6	0.2%
91.4%	304.3	304.1	-0.2	-0.1%
92.6%	301.9	301.9	0.0	0.0%
93.8%	295.2	295.9	0.7	0.3%
95.1%	279.9	279.6	-0.2	-0.1%
96.3%	277.4	277.6	0.2	0.1%
97.5%	276.8	276.4	-0.4	-0.1%
98.8%	261.7	262.2	0.5	0.2%
100.0%	244.3	232.7	-11.6	-4.8%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	494.6	497.1	2.4	0.5%
1.2%	489.7	466.3	-23.4	-4.8%
2.5%	460.8	424.2	-36.6	-7.9%
3.7%	425.3	414.6	-10.8	-2.5%
4.9%	421.5	399.1	-22.4	-5.3%
6.2%	383.2	375.8	-7.5	-1.9%
7.4%	379.7	367.7	-12.0	-3.2%
8.6%	367.2	366.8	-0.4	-0.1%
9.9%	366.7	366.5	-0.3	-0.1%
11.1%	366.2	366.3	0.1	0.0%
12.3%	365.3	365.0	-0.3	-0.1%
13.6%	363.7	364.8	1.0	0.3%
14.8%	360.0	364.3	4.3	1.2%
16.0%	359.2	360.8	1.6	0.5%
17.3%	358.5	360.1	1.7	0.5%
18.5%	358.3	356.9	-1.3	-0.4%
19.8%	358.2	356.0	-2.2	-0.6%
21.0%	353.5	353.1	-0.4	-0.1%
22.2%	352.9	350.1	-2.9	-0.8%
23.5%	346.1	346.8	0.7	0.2%
24.7%	345.0	343.7	-1.3	-0.4%
25.9%	338.9	339.0	0.1	0.0%
27.2%	338.4	338.5	0.1	0.0%
28.4%	330.9	333.7	2.7	0.8%
29.6%	328.0	332.0	3.9	1.2%
30.9%	325.4	331.7	6.3	1.9%
32.1%	325.2	324.4	-0.8	-0.3%
33.3%	322.7	324.0	1.3	0.4%
34.6%	322.2	319.1	-3.1	-1.0%
35.8%	322.1	315.4	-6.6	-2.1%
37.0%	320.3	314.8	-5.5	-1.7%
38.3%	317.8	313.2	-4.6	-1.4%
39.5%	316.3	312.4	-3.9	-1.2%
40.7%	315.8	308.2	-7.6	-2.4%
42.0%	314.1	307.8	-6.4	-2.0%
43.2%	314.0	307.5	-6.5	-2.1%
44.4%	311.9	306.9	-4.9	-1.6%
45.7%	308.1	305.1	-3.0	-1.0%
46.9%	308.1	303.8	-4.3	-1.4%
48.1%	307.4	302.0	-5.4	-1.8%
49.4%	306.1	300.0	-6.2	-2.0%
50.6%	304.3	299.7	-4.6	-1.5%
51.9%	302.9	298.7	-4.2	-1.4%
53.1%	300.5	298.5	-2.1	-0.7%
54.3%	299.0	297.5	-1.4	-0.5%
55.6%	298.9	297.1	-1.8	-0.6%
56.8%	298.6	296.9	-1.7	-0.6%
58.0%	298.0	295.6	-2.4	-0.8%
59.3%	295.4	294.2	-1.2	-0.4%
60.5%	293.4	293.9	0.5	0.2%
61.7%	292.9	291.8	-1.1	-0.4%
63.0%	291.4	291.5	0.1	0.0%
64.2%	291.2	291.3	0.0	0.0%
65.4%	291.2	289.8	-1.4	-0.5%
66.7%	291.1	289.1	-2.1	-0.7%
67.9%	288.8	285.3	-3.5	-1.2%
69.1%	287.5	283.4	-4.1	-1.4%
70.4%	285.5	282.9	-2.6	-0.9%
71.6%	282.9	281.4	-1.5	-0.5%
72.8%	282.5	281.1	-1.4	-0.5%
74.1%	280.7	279.8	-0.9	-0.3%
75.3%	280.5	279.7	-0.8	-0.3%
76.5%	279.8	278.3	-1.5	-0.5%
77.8%	277.9	277.0	-0.9	-0.3%
79.0%	276.5	276.6	0.1	0.1%
80.2%	276.4	276.1	-0.3	-0.1%
81.5%	275.9	276.0	0.1	0.0%
82.7%	275.7	274.9	-0.8	-0.3%
84.0%	274.1	274.8	0.7	0.3%
85.2%	272.8	272.3	-0.5	-0.2%
86.4%	272.1	269.5	-2.6	-1.0%
87.7%	271.6	269.3	-2.2	-0.8%
88.9%	269.7	268.4	-1.3	-0.5%
90.1%	269.4	268.1	-1.3	-0.5%
91.4%	267.3	267.7	0.4	0.1%
92.6%	267.0	267.1	0.1	0.0%
93.8%	266.5	265.5	-1.0	-0.4%
95.1%	265.9	264.8	-1.2	-0.4%
96.3%	265.1	264.2	-0.9	-0.3%
97.5%	264.8	262.5	-2.3	-0.9%
98.8%	263.7	261.4	-2.3	-0.9%
100.0%	261.0	258.6	-2.4	-0.9%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	516.8	529.8	13.0	2.5%
1.2%	494.5	518.3	23.8	4.8%
2.5%	493.6	485.8	-7.8	-1.6%
3.7%	488.8	472.7	-16.1	-3.3%
4.9%	465.6	445.1	-20.5	-4.4%
6.2%	449.1	443.7	-5.5	-1.2%
7.4%	432.2	437.8	5.6	1.3%
8.6%	431.6	437.3	5.6	1.3%
9.9%	418.9	433.2	14.3	3.4%
11.1%	417.5	430.7	13.1	3.1%
12.3%	416.6	422.1	5.6	1.3%
13.6%	415.9	419.8	3.9	0.9%
14.8%	413.7	416.8	3.1	0.7%
16.0%	407.3	405.8	-1.5	-0.4%
17.3%	402.5	404.7	2.2	0.6%
18.5%	398.2	404.7	6.5	1.6%
19.8%	390.6	392.8	2.3	0.6%
21.0%	388.3	384.0	-4.3	-1.1%
22.2%	377.9	376.7	-1.2	-0.3%
23.5%	375.5	376.0	0.6	0.1%
24.7%	374.3	374.9	0.6	0.2%
25.9%	370.8	364.6	-6.2	-1.7%
27.2%	368.2	353.5	-14.6	-4.0%
28.4%	364.1	350.8	-13.3	-3.7%
29.6%	341.5	344.2	2.6	0.8%
30.9%	338.0	341.8	3.8	1.1%
32.1%	335.1	340.1	5.0	1.5%
33.3%	329.8	333.9	4.1	1.2%
34.6%	328.5	330.4	2.0	0.6%
35.8%	321.3	318.7	-2.6	-0.8%
37.0%	319.5	318.3	-1.2	-0.4%
38.3%	317.3	317.5	0.2	0.0%
39.5%	316.7	317.4	0.7	0.2%
40.7%	316.1	317.2	1.1	0.3%
42.0%	315.7	316.9	1.2	0.4%
43.2%	313.5	316.4	3.0	0.9%
44.4%	312.5	316.4	3.9	1.3%
45.7%	312.4	315.9	3.4	1.1%
46.9%	311.9	315.8	3.9	1.3%
48.1%	311.9	314.6	2.7	0.9%
49.4%	311.1	312.8	1.7	0.6%
50.6%	308.1	312.1	4.0	1.3%
51.9%	306.7	309.1	2.5	0.8%
53.1%	305.3	308.9	3.6	1.2%
54.3%	305.3	307.9	2.6	0.9%
55.6%	305.1	306.2	1.1	0.4%
56.8%	304.4	305.9	1.6	0.5%
58.0%	304.1	304.6	0.4	0.1%
59.3%	303.4	303.8	0.5	0.2%
60.5%	301.9	302.1	0.2	0.1%
61.7%	301.6	301.9	0.3	0.1%
63.0%	298.4	301.5	3.1	1.0%
64.2%	297.7	299.7	2.0	0.7%
65.4%	296.7	296.6	-0.1	0.0%
66.7%	295.6	295.9	0.2	0.1%
67.9%	292.8	295.1	2.3	0.8%
69.1%	292.0	295.0	3.0	1.0%
70.4%	291.0	293.4	2.4	0.8%
71.6%	290.7	291.2	0.5	0.2%
72.8%	284.2	290.1	6.0	2.1%
74.1%	278.9	281.3	2.4	0.9%
75.3%	276.9	280.8	4.0	1.4%
76.5%	275.7	276.2	0.5	0.2%
77.8%	273.5	273.7	0.2	0.1%
79.0%	271.2	273.6	2.4	0.9%
80.2%	269.0	269.8	0.8	0.3%
81.5%	268.1	269.6	1.4	0.5%
82.7%	268.1	268.8	0.7	0.3%
84.0%	267.7	266.3	-1.4	-0.5%
85.2%	265.0	265.9	0.9	0.3%
86.4%	260.4	259.3	-1.2	-0.4%
87.7%	259.1	258.1	-1.0	-0.4%
88.9%	259.1	255.1	-3.9	-1.5%
90.1%	258.5	254.6	-3.9	-1.5%
91.4%	256.4	253.8	-2.6	-1.0%
92.6%	255.7	251.7	-4.1	-1.6%
93.8%	254.7	251.4	-3.3	-1.3%
95.1%	251.1	250.1	-0.9	-0.4%
96.3%	249.1	247.9	-1.2	-0.5%
97.5%	248.8	247.9	-0.9	-0.4%
98.8%	248.3	245.9	-2.4	-1.0%
100.0%	246.8	245.4	-1.5	-0.6%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	505.1	514.4	9.3	1.8%
1.2%	498.3	513.3	15.0	3.0%
2.5%	497.6	507.1	9.6	1.9%
3.7%	486.6	501.3	14.7	3.0%
4.9%	483.6	479.9	-3.7	-0.8%
6.2%	481.6	475.4	-6.2	-1.3%
7.4%	479.3	471.6	-7.7	-1.6%
8.6%	477.6	469.2	-8.4	-1.8%
9.9%	473.0	466.4	-6.5	-1.4%
11.1%	473.0	464.7	-8.3	-1.8%
12.3%	471.7	464.4	-7.3	-1.5%
13.6%	467.8	463.4	-4.4	-0.9%
14.8%	464.6	463.2	-1.4	-0.3%
16.0%	462.2	457.3	-4.9	-1.1%
17.3%	458.6	455.3	-3.4	-0.7%
18.5%	458.0	454.3	-3.7	-0.8%
19.8%	454.7	453.0	-1.7	-0.4%
21.0%	450.8	449.0	-1.8	-0.4%
22.2%	449.4	448.6	-0.8	-0.2%
23.5%	449.2	438.6	-10.6	-2.4%
24.7%	446.2	436.8	-9.4	-2.1%
25.9%	445.5	436.5	-9.0	-2.0%
27.2%	445.2	435.6	-9.7	-2.2%
28.4%	442.0	432.0	-9.9	-2.2%
29.6%	440.2	429.3	-11.0	-2.5%
30.9%	440.1	428.3	-11.8	-2.7%
32.1%	440.1	428.1	-12.0	-2.7%
33.3%	439.4	425.6	-13.9	-3.2%
34.6%	437.7	424.1	-13.6	-3.1%
35.8%	436.6	421.9	-14.7	-3.4%
37.0%	436.3	421.5	-14.8	-3.4%
38.3%	436.0	420.3	-15.7	-3.6%
39.5%	434.4	420.2	-14.2	-3.3%
40.7%	434.0	419.5	-14.5	-3.3%
42.0%	429.7	417.4	-12.3	-2.9%
43.2%	422.0	416.0	-6.0	-1.4%
44.4%	416.3	415.8	-0.5	-0.1%
45.7%	412.3	415.1	2.8	0.7%
46.9%	412.0	414.0	2.0	0.5%
48.1%	411.6	413.8	2.2	0.5%
49.4%	409.4	412.0	2.6	0.6%
50.6%	407.2	411.5	4.3	1.0%
51.9%	402.2	411.5	9.3	2.3%
53.1%	400.9	411.3	10.4	2.6%
54.3%	400.0	407.9	7.8	2.0%
55.6%	397.8	403.0	5.2	1.3%
56.8%	397.7	402.3	4.6	1.1%
58.0%	395.6	400.7	5.1	1.3%
59.3%	395.2	399.0	3.8	1.0%
60.5%	390.6	396.8	6.2	1.6%
61.7%	389.0	396.7	7.7	2.0%
63.0%	379.0	395.8	16.8	4.4%
64.2%	376.5	389.3	12.8	3.4%
65.4%	375.6	388.6	13.1	3.5%
66.7%	370.8	383.0	12.2	3.3%
67.9%	368.0	378.7	10.6	2.9%
69.1%	366.8	370.2	3.3	0.9%
70.4%	366.1	368.9	2.8	0.8%
71.6%	365.5	368.2	2.7	0.7%
72.8%	362.7	363.9	1.2	0.3%
74.1%	360.2	357.8	-2.4	-0.7%
75.3%	356.8	357.1	0.3	0.1%
76.5%	356.7	356.3	-0.3	-0.1%
77.8%	355.8	354.7	-1.1	-0.3%
79.0%	351.6	351.8	0.2	0.0%
80.2%	349.6	349.9	0.3	0.1%
81.5%	347.4	347.9	0.6	0.2%
82.7%	347.1	346.4	-0.7	-0.2%
84.0%	345.2	337.3	-7.9	-2.3%
85.2%	342.7	335.2	-7.4	-2.2%
86.4%	342.6	334.8	-7.8	-2.3%
87.7%	341.5	334.7	-6.8	-2.0%
88.9%	340.4	333.6	-6.8	-2.0%
90.1%	338.0	332.6	-5.3	-1.6%
91.4%	337.1	331.0	-6.1	-1.8%
92.6%	334.2	329.8	-4.3	-1.3%
93.8%	332.8	327.3	-5.5	-1.7%
95.1%	332.7	326.6	-6.1	-1.8%
96.3%	326.7	325.6	-1.0	-0.3%
97.5%	323.5	314.1	-9.3	-2.9%
98.8%	300.6	302.5	1.9	0.6%
100.0%	238.4	235.9	-2.5	-1.0%

Figure SQ-31-b
Clifton Court Forebay, Monthly EC
Probability of Exceedance

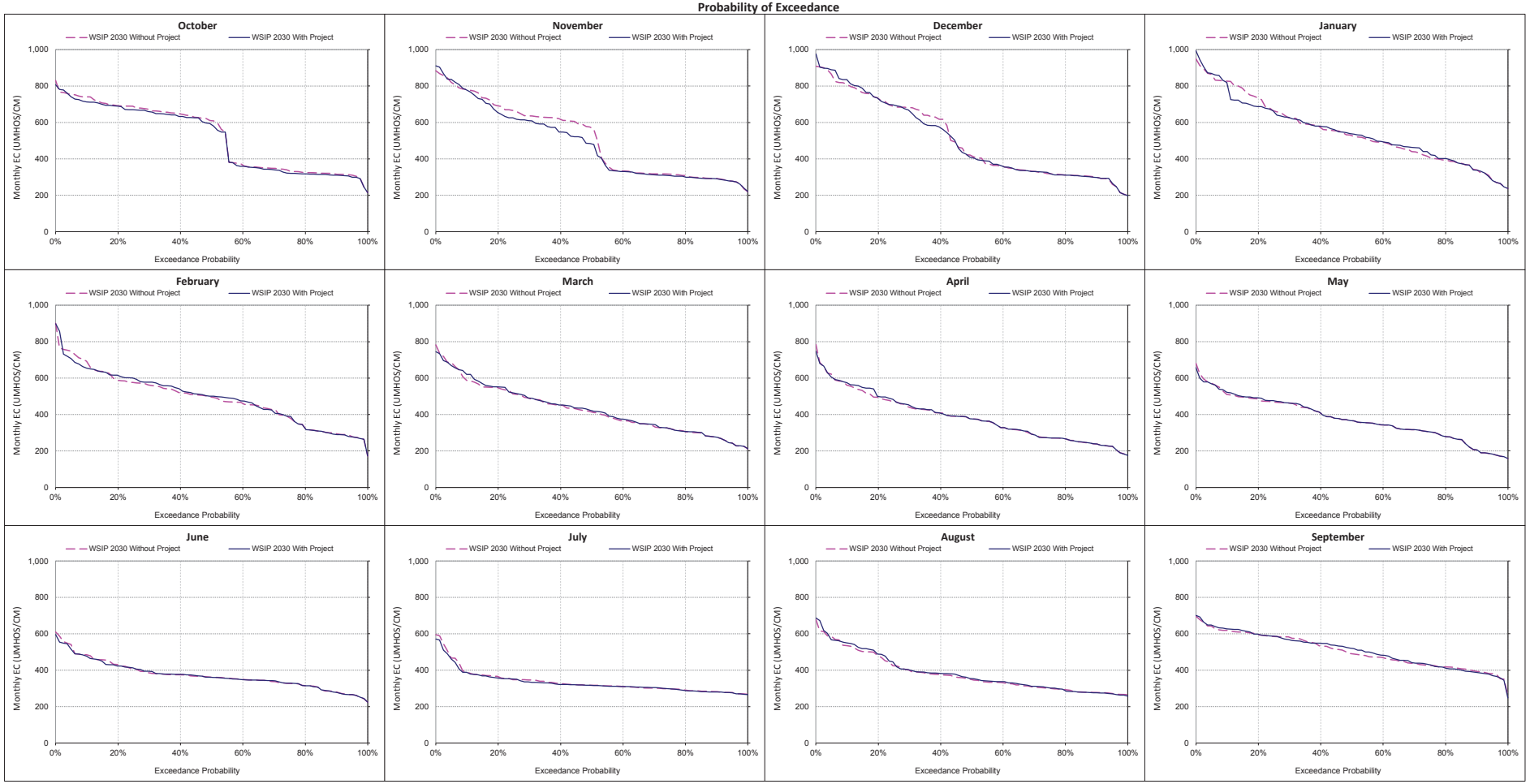


Table SQ-31-b

Clifton Court Forebay, Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	830.4	806.8	-23.6	-2.8%
1.2%	766.7	780.7	14.0	1.8%
2.5%	764.8	778.9	14.1	1.8%
3.7%	759.5	761.0	1.6	0.2%
4.9%	753.1	741.4	-11.7	-1.6%
6.2%	752.0	728.3	-23.6	-3.1%
7.4%	745.1	725.1	-19.9	-2.7%
8.6%	740.8	717.1	-23.7	-3.2%
9.9%	740.7	712.4	-28.4	-3.8%
11.1%	740.2	711.4	-28.8	-3.9%
12.3%	724.0	711.3	-12.7	-1.8%
13.6%	715.7	707.6	-8.1	-1.1%
14.8%	707.1	700.2	-6.9	-1.0%
16.0%	704.4	694.3	-10.1	-1.4%
17.3%	696.9	694.0	-2.9	-0.4%
18.5%	695.9	690.9	-5.1	-0.7%
19.8%	692.1	689.6	-2.5	-0.4%
21.0%	690.5	686.9	-3.6	-0.5%
22.2%	690.0	671.4	-18.6	-2.7%
23.5%	689.9	670.2	-19.7	-2.9%
24.7%	689.1	670.1	-18.9	-2.7%
25.9%	679.3	668.2	-11.1	-1.6%
27.2%	679.0	667.3	-11.7	-1.7%
28.4%	676.4	666.5	-9.9	-1.5%
29.6%	672.8	659.6	-13.2	-2.0%
30.9%	663.9	657.5	-6.4	-1.0%
32.1%	663.2	649.0	-14.1	-2.1%
33.3%	661.0	648.7	-12.3	-1.9%
34.6%	657.0	646.7	-10.3	-1.6%
35.8%	656.1	643.7	-12.4	-1.9%
37.0%	652.2	641.7	-10.5	-1.6%
38.3%	651.2	641.1	-10.1	-1.5%
39.5%	648.2	633.3	-14.8	-2.3%
40.7%	644.3	633.2	-11.1	-1.7%
42.0%	639.5	627.5	-12.0	-1.9%
43.2%	638.3	627.2	-11.1	-1.7%
44.4%	628.6	626.1	-2.5	-0.4%
45.7%	627.1	625.1	-1.9	-0.3%
46.9%	623.1	604.2	-18.9	-3.0%
48.1%	622.3	597.8	-24.5	-3.9%
49.4%	610.5	594.4	-16.1	-2.6%
50.6%	608.6	580.0	-28.6	-4.7%
51.9%	597.7	556.6	-41.2	-6.9%
53.1%	561.7	547.7	-14.0	-2.5%
54.3%	548.8	546.8	-2.0	-0.4%
55.6%	380.2	381.1	0.9	0.2%
56.8%	379.2	379.0	-0.2	-0.1%
58.0%	375.7	362.5	-13.2	-3.5%
59.3%	373.2	358.7	-14.5	-3.9%
60.5%	360.0	358.6	-1.3	-0.4%
61.7%	356.1	353.9	-2.2	-0.6%
63.0%	355.8	353.3	-2.4	-0.7%
64.2%	355.6	352.0	-3.5	-1.0%
65.4%	352.8	349.1	-3.8	-1.1%
66.7%	350.4	343.8	-6.5	-1.9%
67.9%	350.0	342.6	-7.5	-2.1%
69.1%	348.4	341.5	-6.9	-2.0%
70.4%	347.8	339.4	-8.4	-2.4%
71.6%	344.6	337.9	-6.6	-1.9%
72.8%	343.2	327.2	-16.0	-4.7%
74.1%	339.8	321.4	-18.3	-5.4%
75.3%	331.1	320.6	-10.5	-3.2%
76.5%	330.3	320.0	-10.4	-3.1%
77.8%	330.0	318.9	-11.1	-3.4%
79.0%	325.9	317.9	-8.1	-2.5%
80.2%	324.5	317.1	-7.3	-2.3%
81.5%	324.4	316.6	-7.8	-2.4%
82.7%	323.7	316.4	-7.3	-2.2%
84.0%	322.8	314.5	-8.3	-2.6%
85.2%	321.3	314.2	-7.1	-2.2%
86.4%	320.7	314.1	-6.6	-2.1%
87.7%	320.6	311.6	-9.1	-2.8%
88.9%	319.1	310.9	-8.2	-2.6%
90.1%	315.2	310.1	-5.1	-1.6%
91.4%	315.0	308.3	-6.8	-2.1%
92.6%	314.7	308.1	-6.6	-2.1%
93.8%	313.3	305.7	-7.6	-2.4%
95.1%	310.4	299.3	-11.1	-3.6%
96.3%	304.1	298.7	-5.4	-1.8%
97.5%	294.9	292.2	-2.8	-0.9%
98.8%	245.7	245.2	-0.5	-0.2%
100.0%	214.2	214.1	-0.1	0.0%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	884.0	911.5	27.5	3.1%
1.2%	868.2	903.5	35.3	4.1%
2.5%	857.7	867.8	10.1	1.2%
3.7%	845.0	838.6	-6.4	-0.8%
4.9%	820.7	836.5	15.8	1.9%
6.2%	806.3	821.4	15.2	1.9%
7.4%	790.6	808.7	18.1	2.3%
8.6%	783.9	787.8	3.9	0.5%
9.9%	781.6	778.4	-3.3	-0.4%
11.1%	776.4	767.6	-8.8	-1.1%
12.3%	772.2	750.5	-21.7	-2.8%
13.6%	762.4	730.8	-31.6	-4.1%
14.8%	735.9	726.9	-9.0	-1.2%
16.0%	733.0	705.2	-27.8	-3.8%
17.3%	723.7	700.8	-22.9	-3.2%
18.5%	698.0	673.7	-24.2	-3.5%
19.8%	691.5	656.1	-35.4	-5.1%
21.0%	688.0	643.9	-44.1	-6.4%
22.2%	669.6	633.4	-36.2	-5.4%
23.5%	669.6	625.9	-43.7	-6.5%
24.7%	665.8	625.3	-40.4	-6.1%
25.9%	659.7	617.8	-41.9	-6.4%
27.2%	648.7	614.5	-34.2	-5.3%
28.4%	637.1	613.7	-23.4	-3.7%
29.6%	636.3	610.3	-26.0	-4.1%
30.9%	635.5	608.7	-26.8	-4.2%
32.1%	632.4	594.3	-38.1	-6.0%
33.3%	630.3	592.1	-38.2	-6.1%
34.6%	628.6	590.9	-37.7	-6.0%
35.8%	627.4	577.0	-50.4	-8.0%
37.0%	627.1	573.3	-53.8	-8.6%
38.3%	625.2	573.2	-52.0	-8.3%
39.5%	620.4	547.9	-72.5	-11.7%
40.7%	611.1	547.7	-63.4	-10.4%
42.0%	610.5	543.9	-66.6	-10.9%
43.2%	607.5	524.3	-83.2	-13.7%
44.4%	605.8	522.1	-83.6	-13.8%
45.7%	591.7	520.9	-70.8	-12.0%
46.9%	590.7	516.9	-73.8	-12.5%
48.1%	578.3	486.2	-92.1	-15.9%
49.4%	575.1	484.9	-90.2	-15.7%
50.6%	563.7	479.2	-84.5	-15.0%
51.9%	496.9	417.8	-79.1	-15.9%
53.1%	404.7	403.9	-0.7	-0.2%
54.3%	375.8	364.2	-11.6	-3.1%
55.6%	353.5	337.4	-16.1	-4.6%
56.8%	338.8	334.4	-4.4	-1.3%
58.0%	335.2	333.3	-1.9	-0.6%
59.3%	333.9	330.0	-3.9	-1.2%
60.5%	333.0	329.8	-3.2	-1.0%
61.7%	332.1	329.3	-2.8	-0.8%
63.0%	325.9	327.5	1.7	0.5%
64.2%	322.3	320.4	-2.0	-0.6%
65.4%	322.2	319.3	-2.9	-0.9%
66.7%	320.9	317.3	-3.6	-1.1%
67.9%	320.6	314.2	-6.4	-2.0%
69.1%	317.6	313.4	-4.2	-1.3%
70.4%	317.3	312.4	-4.9	-1.6%
71.6%	317.2	310.5	-6.7	-2.1%
72.8%	317.2	310.4	-6.8	-2.1%
74.1%	316.6	309.3	-7.4	-2.3%
75.3%	315.5	307.2	-8.3	-2.6%
76.5%	313.3	305.4	-7.9	-2.5%
77.8%	312.4	305.2	-7.2	-2.3%
79.0%	308.7	304.8	-3.9	-1.3%
80.2%	308.7	299.3	-9.4	-3.0%
81.5%	300.6	298.6	-2.0	-0.7%
82.7%	298.5	297.4	-1.1	-0.4%
84.0%	297.7	295.3	-2.4	-0.8%
85.2%	297.7	293.2	-4.6	-1.5%
86.4%	293.9	292.2	-1.7	-0.6%
87.7%	292.7	292.2	-0.5	-0.2%
88.9%	292.1	291.3	-0.8	-0.3%
90.1%	291.8	290.7	-1.2	-0.4%
91.4%	288.4	286.7	-1.7	-0.6%
92.6%	284.8	283.0	-1.8	-0.6%
93.8%	279.5	278.8	-0.7	-0.2%
95.1%	277.1	277.6	0.6	0.2%
96.3%	273.2	273.6	0.4	0.1%
97.5%	263.7	260.6	-3.1	-1.2%
98.8%	234.9	238.5	3.6	1.5%
100.0%	219.8	220.2	0.4	0.2%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	909.0	976.3	67.3	7.4%
1.2%	905.2	904.6	-0.6	-0.1%
2.5%	900.9	898.1	-2.8	-0.3%
3.7%	889.5	896.6	7.1	0.8%
4.9%	865.7	889.3	23.6	2.7%
6.2%	824.7	886.1	61.5	7.5%
7.4%	819.6	840.9	21.3	2.6%
8.6%	818.2	836.1	17.9	2.2%
9.9%	810.8	835.5	24.7	3.1%
11.1%	797.5	811.9	14.5	1.8%
12.3%	791.2	803.1	11.9	1.5%
13.6%	778.2	800.4	22.2	2.9%
14.8%	764.6	789.0	24.4	3.2%
16.0%	759.5	765.7	6.2	0.8%
17.3%	758.1	763.5	5.4	0.7%
18.5%	741.5	740.6	-0.8	-0.1%
19.8%	735.0	734.6	-0.4	0.0%
21.0%	718.3	715.7	-2.6	-0.4%
22.2%	714.1	707.1	-6.9	-1.0%
23.5%	696.9	698.9	1.9	0.3%
24.7%	689.1	696.4	7.3	1.1%
25.9%	684.5	691.1	6.6	1.0%
27.2%	684.1	686.5	2.4	0.4%
28.4%	683.7	675.7	-8.0	-1.2%
29.6%	681.1	668.9	-12.2	-1.8%
30.9%	681.0	648.1	-33.0	-4.8%
32.1%	672.2	627.8	-44.5	-6.6%
33.3%	666.7	612.2	-54.4	-8.2%
34.6%	640.2	593.6	-46.6	-7.3%
35.8%	639.3	584.7	-54.6	-8.5%
37.0%	632.0	583.4	-48.6	-7.7%
38.3%	629.9	582.3	-47.6	-7.6%
39.5%	617.9	575.5	-42.4	-6.9%
40.7%	617.4	560.9	-56.5	-9.2%
42.0%	583.0	544.0	-39.0	-6.7%
43.2%	501.1	523.8	22.6	4.5%
44.4%	493.8	503.2	9.4	1.9%
45.7%	464.0	457.1	-6.9	-1.5%
46.9%	458.9	436.6	-22.3	-4.9%
48.1%	422.8	425.7	2.9	0.7%
49.4%	421.0	409.1	-11.9	-2.8%
50.6%	410.6	404.0	-6.6	-1.6%
51.9%	405.0	394.4	-10.6	-2.6%
53.1%	403.4	392.4	-11.0	-2.7%
54.3%	373.7	388.6	14.8	4.0%
55.6%	372.2	387.5	15.3	4.1%
56.8%	364.0	370.7	6.6	1.8%
58.0%	363.8	370.6	6.8	1.9%
59.3%	359.6	363.1	3.5	1.0%
60.5%	356.5	354.3	-2.2	-0.6%
61.7%	350.1	354.2	4.1	1.2%
63.0%	347.5	349.5	2.0	0.6%
64.2%	342.7	339.7	-3.0	-0.9%
65.4%	339.4	336.0	-3.4	-1.0%
66.7%	338.1	335.8	-2.3	-0.7%
67.9%	335.1	334.3	-0.7	-0.2%
69.1%	331.9	330.9	-1.0	-0.3%
70.4%	330.4	330.7	0.3	0.1%
71.6%	325.9	329.4	3.5	1.1%
72.8%	324.7	327.3	2.6	0.8%
74.1%	319.6	325.4	5.9	1.8%
75.3%	317.9	317.9	0.0	0.0%
76.5%	315.0	311.8	-3.2	-1.0%
77.8%	314.7	311.3	-3.3	-1.1%
79.0%	312.4	311.1	-1.3	-0.4%
80.2%	310.6	310.6	0.0	0.0%
81.5%	309.5	310.0	0.5	0.2%
82.7%	309.4	308.0	-1.4	-0.5%
84.0%	308.0	307.1	-0.9	-0.3%
85.2%	305.9	304.8	-1.1	-0.4%
86.4%	305.9	302.8	-3.1	-1.0%
87.7%	304.2	302.0	-2.2	-0.7%
88.9%	302.1	299.4	-2.8	-0.9%
90.1%	298.8	297.7	-1.1	-0.4%
91.4%	292.5	293.8	1.3	0.5%
92.6%	292.4	293.1	0.7	0.2%
93.8%	289.1	292.7	3.6	1.2%
95.1%	259.7	264.7	5.0	1.9%
96.3%	247.6	245.7	-1.9	-0.8%
97.5%	214.3	214.3	0.0	0.0%
98.8%	205.5	205.5	-0.1	0.0%
100.0%	198.1	198.3	0.2	0.1%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	949.4	993.2	43.8	4.6%
1.2%	913.0	944.6	31.6	3.5%
2.5%	894.4	905.1	10.6	1.2%
3.7%	870.5	872.7	2.2	0.2%
4.9%	864.5	869.0	4.5	0.5%
6.2%	832.3	860.5	28.2	3.4%
7.4%	831.1	858.5	27.4	3.3%
8.6%	828.4	830.6	2.2	0.3%
9.9%	826.9	820.0	-6.9	-0.8%
11.1%	825.5	725.7	-99.8	-12.1%
12.3%	801.2	723.2	-78.0	-9.7%
13.6%	799.9	723.0	-76.9	-9.6%
14.8%	789.3	706.9	-82.4	-10.4%
16.0%	767.1	706.3	-60.8	-7.9%
17.3%	751.2	698.1	-53.1	-7.1%
18.5%	744.8	689.5	-55.4	-7.4%
19.8%	735.8	687.3	-48.6	-6.6%
21.0%	725.6	686.6	-39.0	-5.4%
22.2%	687.0	678.3	-8.6	-1.3%
23.5%	680.9	674.3	-6.6	-1.0%
24.7%	664.9	663.9	-1.1	-0.2%
25.9%	658.7	640.4	-18.2	-2.8%
27.2%	654.0	635.6	-18.3	-2.8%
28.4%	639.4	629.9	-9.5	-1.5%
29.6%	625.9	629.2	3.3	0.5%
30.9%	625.3	620.5	-4.8	-0.8%
32.1%	621.9	617.0	-4.9	-0.8%
33.3%	595.9	613.3	17.4	2.9%
34.6%	592.8	598.0	5.2	0.9%
35.8%	590.3	594.8	4.5	0.8%
37.0%	587.1	585.8	-1.3	-0.2%
38.3%	584.9	580.5	-4.4	-0.8%
39.5%	577.8	579.5	1.7	0.3%
40.7%	561.5	577.9	16.4	2.9%
42.0%	559.0	575.7	16.6	3.0%
43.2%	556.9	566.2	9.3	1.7%
44.4%	554.2	559.4	5.2	0.9%
45.7%	553.2	548.7	-4.6	-0.8%
46.9%	546.6	546.7	0.2	0.0%
48.1%	532.6	544.0	11.4	2.1%
49.4%	530.8	539.2	8.4	1.6%
50.6%	523.2	535.9	12.7	2.4%
51.9%	519.9	532.2	12.3	2.4%
53.1%	518.3	530.7	12.5	2.4%
54.3%	511.7	518.5	6.9	1.3%
55.6%	503.4	515.8	12.3	2.4%
56.8%	495.2	510.7	15.5	3.1%
58.0%	492.2	497.2	5.0	1.0%
59.3%	491.7	496.4	4.7	1.0%
60.5%	489.5	491.2	1.6	0.3%
61.7%	483.2	489.4	6.2	1.3%
63.0%	474.2	476.8	2.7	0.6%
64.2%	465.3	475.6	10.4	2.2%
65.4%	460.9	474.4	13.5	2.9%
66.7%	453.8	467.4	13.6	3.0%
67.9%	453.2	465.9	12.7	2.8%
69.1%	440.0	462.9	23.0	5.2%
70.4%	438.2	461.9	23.8	5.4%
71.6%	432.2	460.4	28.2	6.5%
72.8%	421.6	440.4	18.8	4.5%
74.1%	414.7	439.6	24.9	6.0%
75.3%	404.0	421.8	17.8	4.4%
76.5%	401.6	418.2	16.6	4.1%
77.8%	399.0	401.4	2.4	0.6%
79.0%	394.3	401.0	6.7	1.7%
80.2%	393.7	401.0	7.3	1.9%
81.5%	386.8	394.9	8.1	2.1%
82.7%	384.9	389.1	4.2	1.1%
84.0%	376.6	377.1	0.5	0.1%
85.2%	375.1	373.8	-1.4	-0.4%
86.4%	366.9	369.4	2.5	0.7%
87.7%	366.6	364.2	-2.4	-0.7%
88.9%	342.5	338.7	-3.8	-1.1%
90.1%	338.9	338.0	-0.9	-0.3%
91.4%	322.4	331.1	8.7	2.7%
92.6%	321.9	322.0	0.1	0.0%
93.8%	309.1	303.4	-5.6	-1.8%
95.1%	280.9	281.0	0.1	0.0%
96.3%	270.0	270.5	0.5	0.2%
97.5%	264.2	264.9	0.6	0.2%
98.8%	247.5	245.9	-1.5	-0.6%
100.0%	237.2	237.3	0.1	0.0%

Table SQ-31-b

Clifton Court Forebay, Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	901.8	898.1	-3.7	-0.4%
1.2%	766.5	856.6	90.2	11.8%
2.5%	757.9	731.8	-26.1	-3.4%
3.7%	753.6	720.3	-33.3	-4.4%
4.9%	748.1	707.8	-40.4	-5.4%
6.2%	729.4	686.1	-43.3	-5.9%
7.4%	711.8	678.0	-33.8	-4.7%
8.6%	704.7	663.4	-41.3	-5.9%
9.9%	692.6	654.4	-38.1	-5.5%
11.1%	659.3	650.9	-8.4	-1.3%
12.3%	646.2	647.5	1.3	0.2%
13.6%	638.0	639.7	1.6	0.3%
14.8%	636.7	634.3	-2.4	-0.4%
16.0%	634.8	632.3	-2.5	-0.4%
17.3%	624.7	617.8	-6.9	-1.1%
18.5%	598.5	616.6	18.1	3.0%
19.8%	588.6	616.3	27.7	4.7%
21.0%	585.3	607.7	22.4	3.8%
22.2%	584.1	602.6	18.4	3.2%
23.5%	577.1	602.5	25.5	4.4%
24.7%	576.3	601.1	24.9	4.3%
25.9%	573.4	593.7	20.3	3.5%
27.2%	572.6	580.3	7.7	1.3%
28.4%	570.7	578.3	7.5	1.3%
29.6%	562.7	577.9	15.2	2.7%
30.9%	558.7	577.7	19.0	3.4%
32.1%	557.0	573.9	16.9	3.0%
33.3%	553.1	564.4	11.3	2.0%
34.6%	543.8	558.0	14.3	2.6%
35.8%	540.9	557.1	16.2	3.0%
37.0%	540.1	556.3	16.2	3.0%
38.3%	530.6	547.2	16.6	3.1%
39.5%	520.6	541.6	21.0	4.0%
40.7%	518.8	527.5	8.7	1.7%
42.0%	518.0	523.5	5.5	1.1%
43.2%	510.1	520.1	10.0	2.0%
44.4%	509.0	513.6	4.6	0.9%
45.7%	507.6	512.3	4.8	0.9%
46.9%	505.9	508.9	3.0	0.6%
48.1%	502.6	503.6	1.0	0.2%
49.4%	496.6	501.0	4.4	0.9%
50.6%	493.8	500.1	6.4	1.3%
51.9%	488.0	498.4	10.3	2.1%
53.1%	474.5	496.9	22.4	4.7%
54.3%	471.3	493.3	21.9	4.7%
55.6%	469.4	490.8	21.3	4.5%
56.8%	468.9	489.1	20.2	4.3%
58.0%	467.8	483.3	15.5	3.3%
59.3%	467.3	475.6	8.3	1.8%
60.5%	456.2	473.5	17.3	3.8%
61.7%	453.9	467.6	13.7	3.0%
63.0%	453.4	464.3	10.9	2.4%
64.2%	451.4	448.7	-2.8	-0.6%
65.4%	446.8	437.7	-9.2	-2.1%
66.7%	436.2	428.0	-8.2	-1.9%
67.9%	433.1	427.3	-5.7	-1.3%
69.1%	427.9	425.7	-2.2	-0.5%
70.4%	427.1	407.2	-19.8	-4.6%
71.6%	398.9	404.5	5.6	1.4%
72.8%	396.1	399.4	3.3	0.8%
74.1%	391.0	390.8	-0.2	-0.1%
75.3%	378.8	389.3	10.5	2.8%
76.5%	361.4	361.6	0.2	0.1%
77.8%	348.0	347.8	-0.2	-0.1%
79.0%	346.7	345.3	-1.5	-0.4%
80.2%	318.3	316.7	-1.6	-0.5%
81.5%	316.2	314.9	-1.3	-0.4%
82.7%	314.2	312.6	-1.6	-0.5%
84.0%	309.5	309.6	0.0	0.0%
85.2%	307.5	307.6	0.1	0.0%
86.4%	302.8	302.7	-0.1	0.0%
87.7%	299.9	298.6	-1.3	-0.4%
88.9%	299.8	293.1	-6.7	-2.2%
90.1%	294.0	290.3	-3.7	-1.3%
91.4%	289.9	290.0	0.1	0.0%
92.6%	289.9	288.4	-1.6	-0.5%
93.8%	287.6	279.1	-8.5	-3.0%
95.1%	278.2	277.5	-0.8	-0.3%
96.3%	274.1	274.0	-0.1	0.0%
97.5%	272.5	268.7	-3.8	-1.4%
98.8%	263.5	263.7	0.2	0.1%
100.0%	172.0	172.2	0.2	0.1%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	782.5	745.0	-37.5	-4.8%
1.2%	736.2	735.4	-0.9	-0.1%
2.5%	718.7	696.9	-21.8	-3.0%
3.7%	687.1	687.5	0.5	0.1%
4.9%	686.4	669.5	-17.0	-2.5%
6.2%	663.8	656.1	-7.7	-1.2%
7.4%	645.5	646.9	1.4	0.2%
8.6%	607.7	642.3	34.6	5.7%
9.9%	587.6	620.8	33.2	5.7%
11.1%	584.6	620.5	35.9	6.1%
12.3%	577.9	593.6	15.7	2.7%
13.6%	568.1	583.0	14.9	2.6%
14.8%	551.4	570.4	19.0	3.5%
16.0%	550.6	559.9	9.2	1.7%
17.3%	549.5	556.7	7.2	1.3%
18.5%	549.0	552.8	3.8	0.7%
19.8%	548.2	552.2	4.0	0.7%
21.0%	540.6	550.4	9.8	1.8%
22.2%	534.9	549.5	14.6	2.7%
23.5%	533.1	523.5	-9.6	-1.8%
24.7%	513.4	518.7	5.3	1.0%
25.9%	510.7	514.8	4.1	0.8%
27.2%	508.1	511.4	3.4	0.7%
28.4%	494.6	505.5	10.9	2.2%
29.6%	490.5	491.3	0.8	0.2%
30.9%	483.1	489.3	6.3	1.3%
32.1%	481.9	482.1	0.2	0.0%
33.3%	481.0	477.0	-4.0	-0.8%
34.6%	466.1	471.7	5.6	1.2%
35.8%	458.9	466.5	7.5	1.6%
37.0%	457.3	458.9	1.6	0.4%
38.3%	453.8	458.6	4.8	1.1%
39.5%	451.6	452.3	0.7	0.1%
40.7%	449.8	451.6	1.8	0.4%
42.0%	436.1	449.8	13.7	3.1%
43.2%	434.1	447.1	13.0	3.0%
44.4%	433.0	436.3	3.3	0.8%
45.7%	427.8	435.7	7.9	1.8%
46.9%	423.5	435.2	11.7	2.8%
48.1%	421.6	430.2	8.5	2.0%
49.4%	416.2	423.9	7.7	1.8%
50.6%	411.1	417.9	6.9	1.7%
51.9%	409.6	416.9	7.3	1.8%
53.1%	400.0	413.8	13.7	3.4%
54.3%	396.0	408.7	12.6	3.2%
55.6%	384.3	391.3	7.0	1.8%
56.8%	379.9	387.6	7.7	2.0%
58.0%	373.0	379.8	6.9	1.8%
59.3%	366.1	375.7	9.6	2.6%
60.5%	365.5	374.1	8.6	2.4%
61.7%	365.1	369.8	4.7	1.3%
63.0%	356.6	364.6	7.9	2.2%
64.2%	356.2	357.7	1.5	0.4%
65.4%	349.1	349.7	0.6	0.2%
66.7%	348.7	349.2	0.5	0.1%
67.9%	346.6	348.7	2.2	0.6%
69.1%	342.2	347.2	4.9	1.4%
70.4%	331.0	344.2	13.2	4.0%
71.6%	327.8	329.5	1.7	0.5%
72.8%	327.4	328.8	1.3	0.4%
74.1%	326.6	327.3	0.8	0.2%
75.3%	321.6	321.7	0.1	0.0%
76.5%	315.9	313.9	-2.1	-0.7%
77.8%	313.3	311.8	-1.6	-0.5%
79.0%	311.4	307.7	-3.7	-1.2%
80.2%	305.0	306.9	1.9	0.6%
81.5%	304.9	305.5	0.5	0.2%
82.7%	300.5	305.4	4.9	1.6%
84.0%	300.4	301.8	1.4	0.5%
85.2%	299.0	300.4	1.4	0.5%
86.4%	282.6	282.8	0.2	0.1%
87.7%	280.5	280.8	0.4	0.1%
88.9%	277.9	277.9	0.0	0.0%
90.1%	274.9	275.0	0.2	0.1%
91.4%	268.3	268.3	0.0	0.0%
92.6%	258.4	258.5	0.0	0.0%
93.8%	249.4	245.3	-4.1	-1.6%
95.1%	242.7	242.9	0.2	0.1%
96.3%	227.8	228.1	0.3	0.1%
97.5%	227.0	227.9	0.9	0.4%
98.8%	224.7	226.0	1.3	0.6%
100.0%	211.9	212.3	0.4	0.2%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	784.8	746.9	-37.8	-4.8%
1.2%	685.9	680.8	-5.1	-0.8%
2.5%	663.6	666.4	2.8	0.4%
3.7%	628.5	630.8	2.3	0.4%
4.9%	622.0	606.9	-15.0	-2.4%
6.2%	589.0	592.4	3.4	0.6%
7.4%	584.0	588.1	4.1	0.7%
8.6%	583.5	581.0	-2.5	-0.4%
9.9%	561.8	575.1	13.3	2.4%
11.1%	555.9	563.0	7.1	1.3%
12.3%	547.3	561.7	14.4	2.6%
13.6%	537.7	559.0	21.3	4.0%
14.8%	532.2	549.1	16.9	3.2%
16.0%	517.5	544.8	27.2	5.3%
17.3%	512.8	544.5	31.7	6.2%
18.5%	495.7	541.4	45.7	9.2%
19.8%	494.9	500.0	5.1	1.0%
21.0%	487.1	496.8	9.7	2.0%
22.2%	481.5	496.6	15.0	3.1%
23.5%	477.9	489.9	12.1	2.5%
24.7%	470.4	483.5	13.1	2.8%
25.9%	468.5	466.1	-2.3	-0.5%
27.2%	458.6	460.5	1.9	0.4%
28.4%	457.2	458.5	1.3	0.3%
29.6%	442.1	453.7	11.6	2.6%
30.9%	434.9	442.5	7.7	1.8%
32.1%	431.2	433.8	2.7	0.6%
33.3%	429.6	431.1	1.5	0.3%
34.6%	427.7	430.9	3.2	0.8%
35.8%	426.1	426.7	0.7	0.2%
37.0%	422.8	426.1	3.2	0.8%
38.3%	409.6	410.7	1.0	0.2%
39.5%	409.3	408.9	-0.5	-0.1%
40.7%	408.0	403.3	-4.6	-1.1%
42.0%	396.4	395.0	-1.5	-0.4%
43.2%	391.3	392.1	0.8	0.2%
44.4%	390.5	392.0	1.6	0.4%
45.7%	389.1	390.0	0.9	0.2%
46.9%	389.1	389.9	0.8	0.2%
48.1%	387.4	388.7	1.3	0.3%
49.4%	375.2	377.3	2.1	0.6%
50.6%	375.0	374.8	-0.2	-0.1%
51.9%	374.1	374.1	0.0	0.0%
53.1%	366.0	365.8	-0.2	-0.1%
54.3%	363.6	364.1	0.5	0.1%
55.6%	361.4	364.0	2.6	0.7%
56.8%	354.6	354.7	0.1	0.0%
58.0%	341.1	341.2	0.2	0.0%
59.3%	328.2	328.6	0.4	0.1%
60.5%	327.0	327.8	0.9	0.3%
61.7%	320.0	320.0	0.0	0.0%
63.0%	318.4	319.8	1.4	0.5%
64.2%	316.5	318.4	1.9	0.6%
65.4%	313.9	315.0	1.1	0.3%
66.7%	309.7	309.6	-0.1	0.0%
67.9%	301.3	308.8	7.5	2.5%
69.1%	292.0	292.1	0.1	0.0%
70.4%	287.6	287.1	-0.5	-0.2%
71.6%	277.5	274.7	-2.9	-1.0%
72.8%	273.6	273.7	0.0	0.0%
74.1%	272.9	273.1	0.2	0.1%
75.3%	271.3	271.3	0.0	0.0%
76.5%	271.2	271.3	0.1	0.0%
77.8%	270.4	271.3	0.8	0.3%
79.0%	269.7	269.8	0.1	0.0%
80.2%	265.4	265.8	0.5	0.2%
81.5%	258.1	258.5	0.4	0.2%
82.7%	257.4	255.9	-1.5	-0.6%
84.0%	250.2	250.6	0.4	0.2%
85.2%	248.8	250.1	1.3	0.5%
86.4%	245.9	246.3	0.5	0.2%
87.7%	244.6	244.7	0.1	0.0%
88.9%	239.1	239.4	0.3	0.1%
90.1%	237.9	237.6	-0.3	-0.1%
91.4%	230.8	230.9	0.0	0.0%
92.6%	229.2	229.4	0.2	0.1%
93.8%	226.5	227.0	0.5	0.2%
95.1%	225.2	225.6	0.4	0.2%
96.3%	205.2	204.9	-0.3	-0.2%
97.5%	190.2	190.4	0.1	0.1%
98.8%	183.8	183.1	-0.8	-0.4%
100.0%	175.6	175.4	-0.2	-0.1%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	680.9	657.5	-23.4	-3.4%
1.2%	623.8	599.8	-24.0	-3.8%
2.5%	595.4	578.7	-16.7	-2.8%
3.7%	579.3	578.7	-0.6	-0.1%
4.9%	572.6	569.2	-3.4	-0.6%
6.2%	561.2	561.9	0.7	0.1%
7.4%	551.0	539.5	-11.5	-2.1%
8.6%	529.3	536.6	7.3	1.4%
9.9%	510.3	522.7	12.4	2.4%
11.1%	507.7	518.6	11.0	2.2%
12.3%	505.0	512.2	7.2	1.4%
13.6%	497.9	504.0	6.1	1.2%
14.8%	496.0	499.2	3.2	0.6%
16.0%	495.4	497.0	1.6	0.3%
17.3%	490.0	497.0	7.0	1.4%
18.5%	487.4	492.3	4.9	1.0%
19.8%	486.3	492.0	5.7	1.2%
21.0%	474.4	489.1	14.7	3.1%
22.2%	472.6	477.7	5.1	1.1%
23.5%	472.4	476.8	4.5	1.0%
24.7%	468.4	476.7	8.2	1.8%
25.9%	467.2	472.0	4.8	1.0%
27.2%	465.6	470.9	5.3	1.1%
28.4%	465.1	465.5	0.4	0.1%
29.6%	463.5	463.5	0.0	0.0%
30.9%	462.1	461.0	-1.2	-0.3%
32.1%	453.0	460.8	7.8	1.7%
33.3%	440.1	455.3	15.2	3.4%
34.6%	439.1	441.8	2.7	0.6%
35.8%	436.8	437.4	0.6	0.1%
37.0%	424.6	429.7	5.2	1.2%
38.3%	419.8	418.9	-0.9	-0.2%
39.5%	413.2	413.7	0.5	0.1%
40.7%	396.6	396.9	0.3	0.1%
42.0%	388.9	388.7	-0.2	0.0%
43.2%	387.6	388.4	0.8	0.2%
44.4%	379.7	379.7	0.0	0.0%
45.7%	378.1	378.1	0.1	0.0%
46.9%	372.5	372.6	0.1	0.0%
48.1%	371.4	371.8	0.3	0.1%
49.4%	366.6	367.2	0.6	0.2%
50.6%	365.7	365.8	0.1	0.0%
51.9%	357.6	357.6	0.0	0.0%
53.1%	355.4	356.3	0.9	0.3%
54.3%	355.0	355.3	0.3	0.1%
55.6%	353.8	354.4	0.5	0.2%
56.8%	352.1	352.1	-0.1	0.0%
58.0%	346.3	346.3	0.0	0.0%
59.3%	343.0	343.5	0.6	0.2%
60.5%	342.7	342.4	-0.3	-0.1%
61.7%	342.5	342.4	-0.1	0.0%
63.0%	338.1	338.1	-0.1	0.0%
64.2%	325.3	325.3	0.0	0.0%
65.4%	320.4	320.5	0.1	0.0%
66.7%	318.8	318.9	0.1	0.0%
67.9%	317.5	317.5	0.0	0.0%
69.1%	316.6	316.7	0.1	0.0%
70.4%	316.5	316.7	0.1	0.0%
71.6%	313.4	313.5	0.2	0.0%
72.8%	309.5	309.6	0.1	0.0%
74.1%	307.0	307.0	0.0	0.0%
75.3%	304.0	304.0	0.0	0.0%
76.5%	301.0	301.1	0.1	0.0%
77.8%	292.7	292.7	0.0	0.0%
79.0%	281.7	282.7	1.0	0.4%
80.2%	277.5	278.6	1.1	0.4%
81.5%	277.1	277.2	0.0	0.0%
82.7%	267.6	268.7	1.2	0.4%
84.0%	263.8	263.8	0.0	0.0%
85.2%	262.6	263.2	0.6	0.2%
86.4%	239.8	240.0	0.1	0.1%
87.7%	221.2	221.4	0.1	0.1%
88.9%	207.0	207.7	0.6	0.3%
90.1%	205.2	205.6	0.4	0.2%
91.4%	190.0	190.4	0.4	0.2%
92.6%	189.5	190.0	0.5	0.3%
93.8%	186.2	186.4	0.2	0.1%
95.1%	182.2	182.5	0.3	0.1%
96.3%	176.8	177.1	0.4	0.2%
97.5%	171.1	171.1	0.1	0.0%
98.8%	168.4	168.2	-0.1	-0.1%
100.0%	158.2	158.4	0.2	0.1%

Table SQ-31-b

Clifton Court Forebay, Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	610.0	596.0	-14.0	-2.3%
1.2%	587.3	554.5	-32.8	-5.6%
2.5%	557.6	548.4	-9.1	-1.6%
3.7%	548.6	545.7	-2.9	-0.5%
4.9%	541.6	515.2	-26.4	-4.9%
6.2%	490.7	490.3	-0.4	-0.1%
7.4%	488.5	488.7	0.2	0.0%
8.6%	485.7	485.0	-0.8	-0.2%
9.9%	484.8	477.2	-7.6	-1.6%
11.1%	479.1	464.7	-14.4	-3.0%
12.3%	459.2	461.2	2.0	0.4%
13.6%	457.8	458.3	0.5	0.1%
14.8%	457.4	449.5	-7.9	-1.7%
16.0%	455.6	431.9	-23.8	-5.2%
17.3%	448.1	430.4	-17.7	-4.0%
18.5%	432.2	430.1	-2.2	-0.5%
19.8%	431.1	423.4	-7.7	-1.8%
21.0%	422.3	422.7	0.3	0.1%
22.2%	421.7	416.9	-4.8	-1.1%
23.5%	413.6	416.5	2.8	0.7%
24.7%	405.3	413.1	7.8	1.9%
25.9%	404.7	405.3	0.6	0.1%
27.2%	393.8	404.9	11.1	2.8%
28.4%	393.0	393.9	0.9	0.2%
29.6%	386.2	393.9	7.7	2.0%
30.9%	382.6	393.3	10.7	2.8%
32.1%	381.5	382.1	0.7	0.2%
33.3%	378.7	381.7	3.0	0.8%
34.6%	378.6	378.8	0.3	0.1%
35.8%	376.0	378.8	2.8	0.7%
37.0%	375.2	378.2	3.0	0.8%
38.3%	375.0	377.5	2.6	0.7%
39.5%	375.0	377.0	2.0	0.5%
40.7%	374.2	376.6	2.5	0.7%
42.0%	374.2	374.7	0.6	0.2%
43.2%	369.0	374.0	5.0	1.3%
44.4%	367.1	370.9	3.8	1.0%
45.7%	366.8	369.4	2.5	0.7%
46.9%	366.1	367.2	1.1	0.3%
48.1%	364.0	361.7	-2.3	-0.6%
49.4%	361.7	361.2	-0.5	-0.1%
50.6%	360.7	360.0	-0.7	-0.2%
51.9%	360.5	359.5	-1.0	-0.3%
53.1%	359.7	356.8	-3.0	-0.8%
54.3%	356.5	355.5	-1.0	-0.3%
55.6%	355.3	354.6	-0.7	-0.2%
56.8%	353.8	351.3	-2.6	-0.7%
58.0%	352.1	350.9	-1.1	-0.3%
59.3%	351.1	348.1	-3.0	-0.9%
60.5%	348.4	346.6	-1.8	-0.5%
61.7%	347.5	345.9	-1.6	-0.5%
63.0%	346.3	345.8	-0.6	-0.2%
64.2%	345.4	345.3	-0.2	0.0%
65.4%	344.5	344.8	0.3	0.1%
66.7%	344.1	344.3	0.2	0.1%
67.9%	342.4	342.3	0.0	0.0%
69.1%	338.2	342.3	4.1	1.2%
70.4%	337.3	341.0	3.7	1.1%
71.6%	331.8	336.6	4.8	1.4%
72.8%	330.3	330.1	-0.1	0.0%
74.1%	327.9	328.4	0.5	0.1%
75.3%	327.0	328.2	1.2	0.4%
76.5%	325.7	327.3	1.5	0.5%
77.8%	325.0	325.8	0.8	0.2%
79.0%	316.7	316.4	-0.3	-0.1%
80.2%	314.1	315.1	1.0	0.3%
81.5%	313.9	314.0	0.2	0.1%
82.7%	311.9	308.7	-3.1	-1.0%
84.0%	307.4	307.6	0.2	0.1%
85.2%	291.8	291.8	0.0	0.0%
86.4%	285.4	288.5	3.1	1.1%
87.7%	285.3	286.1	0.8	0.3%
88.9%	284.8	279.8	-5.0	-1.8%
90.1%	279.7	277.7	-2.0	-0.7%
91.4%	272.8	271.6	-1.2	-0.4%
92.6%	269.3	266.7	-2.6	-1.0%
93.8%	266.4	266.1	-0.3	-0.1%
95.1%	266.2	265.4	-0.8	-0.3%
96.3%	261.3	261.5	0.3	0.1%
97.5%	250.3	251.1	0.7	0.3%
98.8%	243.5	244.2	0.7	0.3%
100.0%	224.2	223.9	-0.3	-0.2%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	595.2	571.3	-23.9	-4.0%
1.2%	588.5	565.7	-22.8	-3.9%
2.5%	544.1	510.0	-34.2	-6.3%
3.7%	507.2	489.7	-17.5	-3.4%
4.9%	466.7	461.2	-5.5	-1.2%
6.2%	465.9	442.9	-22.9	-4.9%
7.4%	441.3	407.1	-34.2	-7.8%
8.6%	395.4	389.0	-6.4	-1.6%
9.9%	390.7	388.1	-2.6	-0.7%
11.1%	381.9	379.0	-2.9	-0.8%
12.3%	376.6	377.2	0.5	0.1%
13.6%	375.3	374.2	-1.0	-0.3%
14.8%	374.2	369.4	-4.8	-1.3%
16.0%	370.6	368.6	-2.0	-0.5%
17.3%	369.9	362.7	-7.3	-2.0%
18.5%	366.8	359.7	-7.1	-1.9%
19.8%	366.4	356.9	-9.5	-2.6%
21.0%	357.2	353.9	-3.3	-0.9%
22.2%	354.6	353.2	-1.4	-0.4%
23.5%	354.2	352.5	-1.7	-0.5%
24.7%	347.9	351.3	3.4	1.0%
25.9%	347.9	349.7	1.8	0.5%
27.2%	347.8	341.2	-6.6	-1.9%
28.4%	347.7	336.4	-11.3	-3.3%
29.6%	346.1	336.0	-10.1	-2.9%
30.9%	346.0	333.2	-12.8	-3.7%
32.1%	344.5	333.0	-11.5	-3.3%
33.3%	339.3	331.1	-8.2	-2.4%
34.6%	339.0	330.4	-8.6	-2.5%
35.8%	333.2	330.1	-3.1	-0.9%
37.0%	333.0	328.5	-4.6	-1.4%
38.3%	329.6	324.5	-5.1	-1.5%
39.5%	326.3	322.2	-4.1	-1.3%
40.7%	325.7	321.1	-4.5	-1.4%
42.0%	322.5	321.0	-1.5	-0.5%
43.2%	321.8	319.7	-2.1	-0.6%
44.4%	320.8	319.5	-1.3	-0.4%
45.7%	319.9	318.6	-1.3	-0.4%
46.9%	319.9	318.2	-1.7	-0.5%
48.1%	317.4	317.1	-0.3	-0.1%
49.4%	317.0	316.7	-0.3	-0.1%
50.6%	317.0	315.4	-1.6	-0.5%
51.9%	316.8	315.3	-1.5	-0.5%
53.1%	314.1	314.5	0.4	0.1%
54.3%	313.9	312.5	-1.4	-0.4%
55.6%	313.8	312.3	-1.5	-0.5%
56.8%	313.5	311.9	-1.6	-0.5%
58.0%	312.4	311.2	-1.2	-0.4%
59.3%	311.5	310.3	-1.2	-0.4%
60.5%	309.3	310.1	0.8	0.3%
61.7%	308.7	309.7	1.0	0.3%
63.0%	307.0	309.0	2.0	0.7%
64.2%	306.6	307.3	0.6	0.2%
65.4%	303.6	307.1	3.4	1.1%
66.7%	302.0	306.6	4.6	1.5%
67.9%	302.0	306.4	4.4	1.5%
69.1%	301.8	304.3	2.5	0.8%
70.4%	301.3	304.1	2.8	0.9%
71.6%	300.4	302.9	2.5	0.8%
72.8%	298.5	300.7	2.2	0.7%
74.1%	298.0	298.2	0.2	0.1%
75.3%	296.7	296.9	0.2	0.1%
76.5%	295.7	296.5	0.8	0.3%
77.8%	295.5	293.5	-2.0	-0.7%
79.0%	293.2	290.0	-3.2	-1.1%
80.2%	289.8	286.7	-3.1	-1.1%
81.5%	287.0	286.5	-0.4	-0.2%
82.7%	286.5	285.6	-0.9	-0.3%
84.0%	286.4	284.0	-2.4	-0.8%
85.2%	284.3	281.8	-2.5	-0.9%
86.4%	284.3	281.0	-3.3	-1.1%
87.7%	284.0	280.6	-3.4	-1.2%
88.9%	282.7	280.5	-2.2	-0.8%
90.1%	282.0	280.5	-1.5	-0.5%
91.4%	279.5	279.9	0.3	0.1%
92.6%	277.8	277.8	-0.1	0.0%
93.8%	277.2	277.2	-0.1	0.0%
95.1%	277.2	276.6	-0.6	-0.2%
96.3%	270.8	270.7	-0.2	-0.1%
97.5%	270.5	270.7	0.1	0.0%
98.8%	270.0	267.9	-2.1	-0.8%
100.0%	267.9	266.4	-1.5	-0.6%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	678.7	687.2	8.5	1.2%
1.2%	615.5	672.5	57.0	9.3%
2.5%	612.6	618.6	6.0	1.0%
3.7%	588.7	602.8	14.1	2.4%
4.9%	586.5	566.6	-19.9	-3.4%
6.2%	568.8	563.5	-5.3	-0.9%
7.4%	566.2	561.0	-5.2	-0.9%
8.6%	537.3	554.7	17.4	3.2%
9.9%	534.7	550.3	15.7	2.9%
11.1%	531.7	547.7	16.0	3.0%
12.3%	521.9	541.4	19.5	3.7%
13.6%	509.3	525.3	16.0	3.1%
14.8%	503.1	519.2	16.1	3.2%
16.0%	501.4	518.7	17.4	3.5%
17.3%	500.6	514.5	14.0	2.8%
18.5%	499.4	510.4	11.1	2.2%
19.8%	480.7	488.1	7.4	1.5%
21.0%	469.7	487.0	17.2	3.7%
22.2%	451.2	477.7	26.6	5.9%
23.5%	446.0	450.1	4.1	0.9%
24.7%	424.3	445.6	21.3	5.0%
25.9%	423.4	418.3	-5.1	-1.2%
27.2%	415.0	407.1	-7.9	-1.9%
28.4%	405.5	406.2	0.6	0.2%
29.6%	402.1	403.3	1.2	0.3%
30.9%	390.5	396.9	6.4	1.6%
32.1%	389.9	391.9	1.9	0.5%
33.3%	389.2	390.6	1.4	0.4%
34.6%	386.5	390.2	3.8	1.0%
35.8%	379.9	385.4	5.5	1.5%
37.0%	379.3	383.7	4.4	1.2%
38.3%	377.6	383.7	6.1	1.6%
39.5%	376.6	383.4	6.7	1.8%
40.7%	374.1	382.2	8.0	2.1%
42.0%	372.8	381.8	9.0	2.4%
43.2%	371.1	379.5	8.4	2.3%
44.4%	363.0	378.6	15.6	4.3%
45.7%	360.2	370.9	10.8	3.0%
46.9%	358.7	363.9	5.2	1.5%
48.1%	354.6	361.2	6.5	1.8%
49.4%	350.6	355.0	4.4	1.3%
50.6%	345.8	353.1	7.3	2.1%
51.9%	344.5	348.3	3.8	1.1%
53.1%	337.2	343.7	6.5	1.9%
54.3%	335.8	341.5	5.7	1.7%
55.6%	333.8	339.7	6.0	1.8%
56.8%	333.6	339.3	5.7	1.7%
58.0%	333.5	337.2	3.7	1.1%
59.3%	332.8	337.1	4.3	1.3%
60.5%	329.7	336.8	7.1	2.2%
61.7%	325.4	330.6	5.2	1.6%
63.0%	325.3	330.1	4.8	1.5%
64.2%	319.3	327.3	8.0	2.5%
65.4%	319.2	322.6	3.4	1.1%
66.7%	314.1	320.9	6.8	2.2%
67.9%	313.5	317.2	3.7	1.2%
69.1%	308.8	312.2	3.4	1.1%
70.4%	305.8	311.4	5.6	1.8%
71.6%	305.1	309.6	4.5	1.5%
72.8%	303.3	309.4	6.2	2.0%
74.1%	301.9	304.9	3.1	1.0%
75.3%	299.8	302.2	2.4	0.8%
76.5%	297.6	301.2	3.6	1.2%
77.8%	296.8	297.6	0.8	0.3%
79.0%	294.4	296.1	1.7	0.6%
80.2%	292.7	285.0	-7.7	-2.6%
81.5%	289.7	283.7	-6.0	-2.1%
82.7%	282.5	283.3	0.8	0.3%
84.0%	280.6	279.9	-0.7	-0.2%
85.2%	280.4	279.2	-1.2	-0.4%
86.4%	279.0	278.3	-0.7	-0.2%
87.7%	278.3	277.2	-1.1	-0.4%
88.9%	278.0	276.3	-1.7	-0.6%
90.1%	277.3	275.9	-1.4	-0.5%
91.4%	276.9	274.6	-2.3	-0.8%
92.6%	276.1	274.5	-1.5	-0.6%
93.8%	274.7	271.4	-3.3	-1.2%
95.1%	271.7	270.7	-1.0	-0.4%
96.3%	267.6	266.6	-1.0	-0.4%
97.5%	267.2	263.6	-3.6	-1.3%
98.8%	266.3	262.5	-3.9	-1.5%
100.0%	266.2	257.0	-9.2	-3.5%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	696.6	701.8	5.1	0.7%
1.2%	677.8	692.6	14.8	2.2%
2.5%	662.1	663.7	1.7	0.3%
3.7%	643.2	648.0	4.9	0.8%
4.9%	642.4	647.8	5.4	0.8%
6.2%	627.1	639.2	12.1	1.9%
7.4%	621.5	632.9	11.4	1.8%
8.6%	619.0	631.9	12.9	2.1%
9.9%	618.9	627.5	8.7	1.4%
11.1%	615.0	625.0	9.9	1.6%
12.3%	611.6	623.8	12.2	2.0%
13.6%	609.5	623.5	14.0	2.3%
14.8%	609.5	618.9	9.4	1.5%
16.0%	608.4	614.5	6.0	1.0%
17.3%	604.9	609.6	4.6	0.8%
18.5%	602.9	598.9	-4.0	-0.7%
19.8%	594.4	597.8	3.4	0.6%
21.0%	592.2	592.5	0.4	0.1%
22.2%	589.9	591.3	1.4	0.2%
23.5%	587.1	588.9	1.8	0.3%
24.7%	585.3	586.3	1.0	0.2%
25.9%	584.3	585.5	1.2	0.2%
27.2%	583.8	578.0	-5.8	-1.0%
28.4%	583.3	570.6	-12.6	-2.2%
29.6%	582.9	567.8	-15.2	-2.6%
30.9%	575.1	562.7	-12.5	-2.2%
32.1%	575.1	561.1	-14.0	-2.4%
33.3%	572.5	560.4	-12.1	-2.1%
34.6%	563.7	553.6	-10.1	-1.8%
35.8%	555.3	552.7	-2.6	-0.5%
37.0%	553.0	548.5	-4.5	-0.8%
38.3%	547.9	548.5	0.6	0.1%
39.5%	533.6	548.3	14.7	2.8%
40.7%	533.0	547.0	14.0	2.6%
42.0%	530.4	546.4	16.0	3.0%
43.2%	521.1	538.6	17.5	3.4%
44.4%	515.0	536.4	21.4	4.2%
45.7%	513.6	533.0	19.4	3.8%
46.9%	510.3	531.3	21.0	4.1%
48.1%	500.7	525.7	25.0	5.0%
49.4%	491.7	520.8	29.0	5.9%
50.6%	488.7	518.3	29.6	6.1%
51.9%	486.0	509.9	23.9	4.9%
53.1%	482.1	509.4	27.3	5.7%
54.3%	480.9	500.5	19.6	4.1%
55.6%	473.6	500.3	26.7	5.6%
56.8%	472.8	494.2	21.4	4.5%
58.0%	472.1	487.3	15.2	3.2%
59.3%	471.5	482.7	11.2	2.4%
60.5%	466.1	482.1	16.0	3.4%
61.7%	460.3	476.7	16.5	3.6%
63.0%	457.0	466.0	9.0	2.0%
64.2%	455.4	460.2	4.7	1.0%
65.4%	448.3	454.9	6.6	1.5%
66.7%	447.4	453.6	6.2	1.4%
67.9%	440.2	453.5	13.3	3.0%
69.1%	438.1	440.9	2.8	0.6%
70.4%	437.7	439.2	1.5	0.4%
71.6%	431.5	438.1	6.7	1.5%
72.8%	428.9	436.9	7.9	1.8%
74.1%	426.7	433.2	6.5	1.5%
75.3%	426.1	429.3	3.2	0.7%
76.5%	424.7	419.9	-4.8	-1.1%
77.8%	418.5	419.1	0.6	0.1%
79.0%	418.3	417.5	-0.8	-0.2%
80.2%	417.9	410.3	-7.6	-1.8%
81.5%	417.2	407.8	-9.4	-2.2%
82.7%	415.7	407.5	-8.2	-2.0%
84.0%	410.8	403.9	-6.9	-1.7%
85.2%	407.6	399.8	-7.8	-1.9%
86.4%	405.9	393.8	-12.1	-3.0%
87.7%	401.6	393.2	-8.4	-2.1%
88.9%	397.2	389.7	-7.4	-1.9%
90.1%	392.9	386.5	-6.3	-1.6%
91.4%	391.8	384.6	-7.3	-1.9%
92.6%	387.5	381.1	-6.5	-1.7%
93.8%	382.2	378.3	-3.9	-1.0%
95.1%	380.8	369.6	-11.2	-2.9%
96.3%	377.3	365.5	-11.8	-3.1%
97.5%	353.4	356.6	3.2	0.9%
98.8%	350.7	344.3	-6.4	-1.8%
100.0%	258.9	247.1	-11.8	-4.6%

Figure SQ-32-b
Delta Mendota Canal at Jones Pumping Plant, Monthly EC
Probability of Exceedance

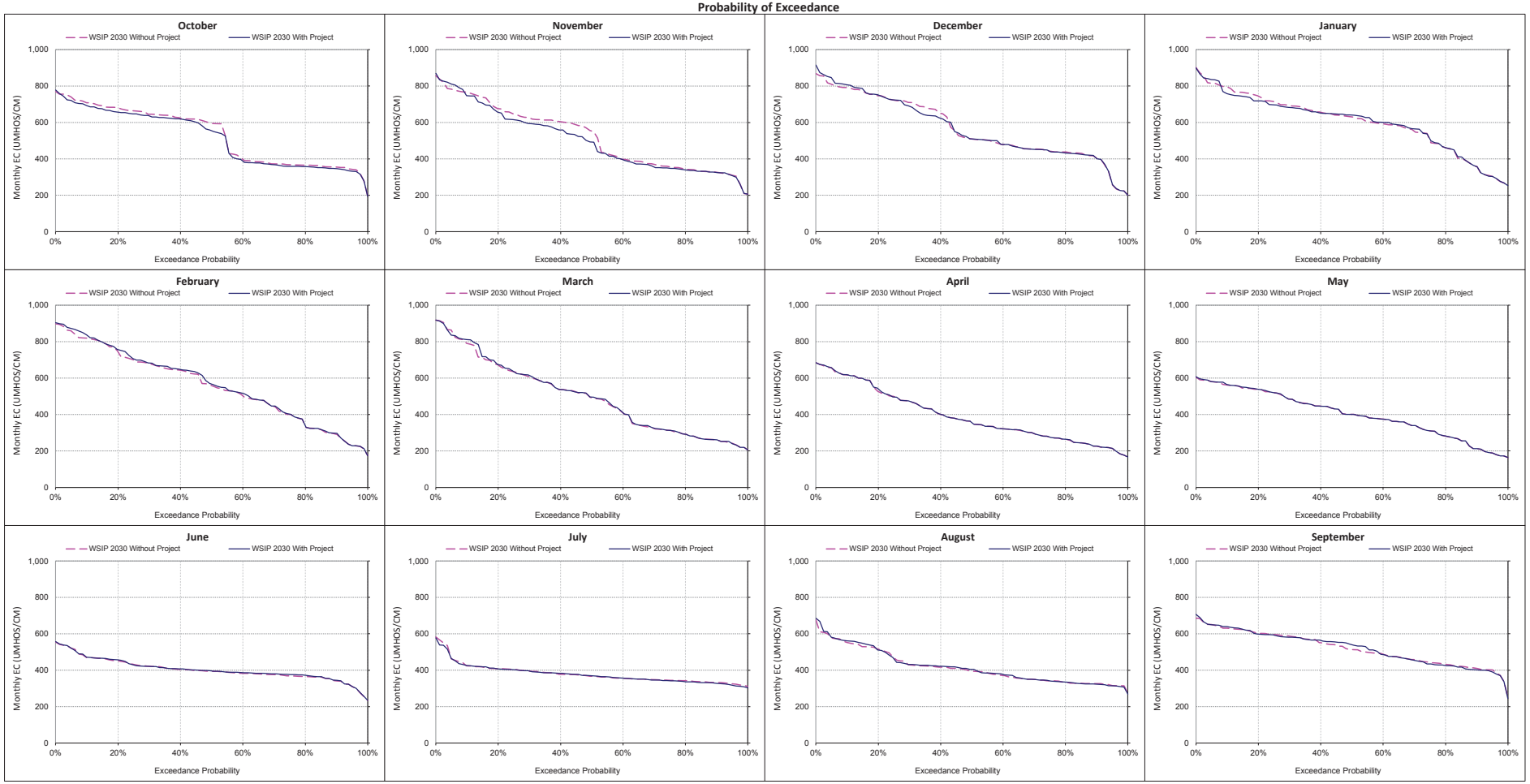


Table SQ-32-b

Delta Mendota Canal at Jones Pumping Plant, Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	770.2	778.7	8.5	1.1%
1.2%	755.4	757.9	2.5	0.3%
2.5%	755.3	744.1	-11.2	-1.5%
3.7%	751.3	724.0	-27.3	-3.6%
4.9%	740.1	720.7	-19.4	-2.6%
6.2%	722.3	708.6	-13.7	-1.9%
7.4%	722.0	704.0	-18.0	-2.5%
8.6%	717.7	702.3	-15.4	-2.2%
9.9%	708.2	692.4	-15.8	-2.2%
11.1%	707.6	685.5	-22.1	-3.1%
12.3%	702.8	685.0	-17.8	-2.5%
13.6%	695.1	677.4	-17.7	-2.6%
14.8%	691.8	675.3	-16.6	-2.4%
16.0%	684.6	667.7	-16.9	-2.5%
17.3%	683.4	665.4	-18.1	-2.6%
18.5%	683.4	659.6	-23.8	-3.5%
19.8%	682.3	657.2	-25.1	-3.7%
21.0%	674.2	654.4	-19.8	-2.9%
22.2%	669.4	653.8	-15.6	-2.3%
23.5%	665.3	649.7	-15.6	-2.3%
24.7%	664.1	647.6	-16.5	-2.5%
25.9%	662.5	646.8	-15.7	-2.4%
27.2%	660.4	641.9	-18.5	-2.8%
28.4%	659.0	638.7	-20.3	-3.1%
29.6%	645.3	638.3	-7.0	-1.1%
30.9%	645.1	630.7	-14.4	-2.2%
32.1%	644.3	630.3	-13.9	-2.2%
33.3%	641.5	627.4	-14.0	-2.2%
34.6%	639.7	626.9	-12.8	-2.0%
35.8%	639.2	624.2	-15.0	-2.3%
37.0%	637.4	622.9	-14.5	-2.3%
38.3%	628.6	620.2	-8.5	-1.3%
39.5%	626.6	619.7	-6.9	-1.1%
40.7%	619.3	617.1	-2.1	-0.3%
42.0%	619.2	613.3	-5.9	-1.0%
43.2%	619.0	609.4	-9.6	-1.6%
44.4%	618.9	603.9	-15.0	-2.4%
45.7%	617.4	597.0	-20.4	-3.3%
46.9%	610.8	581.4	-29.4	-4.8%
48.1%	604.0	563.8	-40.1	-6.6%
49.4%	597.0	559.1	-38.0	-6.4%
50.6%	594.0	550.1	-43.9	-7.4%
51.9%	593.2	543.8	-49.4	-8.3%
53.1%	592.6	539.3	-53.3	-9.0%
54.3%	528.9	526.5	-2.3	-0.4%
55.6%	429.2	429.8	0.6	0.1%
56.8%	426.3	407.7	-18.6	-4.4%
58.0%	421.6	399.7	-21.9	-5.2%
59.3%	408.1	396.7	-11.4	-2.8%
60.5%	390.1	380.7	-9.5	-2.4%
61.7%	389.8	378.5	-11.3	-2.9%
63.0%	388.4	378.2	-10.2	-2.6%
64.2%	384.8	377.2	-7.6	-2.0%
65.4%	384.1	376.8	-7.2	-1.9%
66.7%	382.2	373.7	-8.6	-2.2%
67.9%	378.1	372.4	-5.7	-1.5%
69.1%	372.7	368.8	-3.9	-1.1%
70.4%	372.4	367.1	-5.3	-1.4%
71.6%	372.2	364.9	-7.3	-2.0%
72.8%	371.4	359.7	-11.8	-3.2%
74.1%	368.4	359.4	-9.0	-2.5%
75.3%	367.8	359.3	-8.5	-2.3%
76.5%	366.6	359.1	-7.5	-2.0%
77.8%	366.0	358.5	-7.5	-2.1%
79.0%	365.5	357.4	-8.1	-2.2%
80.2%	365.1	356.8	-8.4	-2.3%
81.5%	364.9	356.5	-8.4	-2.3%
82.7%	364.1	355.3	-8.8	-2.4%
84.0%	363.3	352.2	-11.1	-3.1%
85.2%	360.2	351.1	-9.1	-2.5%
86.4%	356.6	349.8	-6.9	-1.9%
87.7%	355.9	347.4	-8.5	-2.4%
88.9%	355.9	347.1	-8.8	-2.5%
90.1%	354.9	346.4	-8.5	-2.4%
91.4%	352.8	343.8	-8.9	-2.5%
92.6%	352.8	340.9	-11.9	-3.4%
93.8%	345.1	335.2	-9.9	-2.9%
95.1%	342.2	332.1	-10.1	-3.0%
96.3%	339.4	329.9	-9.5	-2.8%
97.5%	321.0	315.6	-5.4	-1.7%
98.8%	278.8	279.6	0.8	0.3%
100.0%	194.5	195.4	0.9	0.5%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	856.3	870.0	13.7	1.6%
1.2%	838.4	834.0	-4.4	-0.5%
2.5%	818.3	827.6	9.3	1.1%
3.7%	786.3	821.1	34.8	4.4%
4.9%	783.3	810.6	27.4	3.5%
6.2%	776.4	805.2	28.7	3.7%
7.4%	771.6	790.8	19.2	2.5%
8.6%	768.2	781.7	13.5	1.8%
9.9%	767.1	746.3	-20.8	-2.7%
11.1%	760.2	745.9	-14.3	-1.9%
12.3%	753.1	745.8	-7.3	-1.0%
13.6%	746.3	712.3	-34.0	-4.6%
14.8%	738.6	707.2	-31.4	-4.2%
16.0%	734.9	695.4	-39.5	-5.4%
17.3%	709.4	693.8	-15.6	-2.2%
18.5%	688.0	672.1	-15.9	-2.3%
19.8%	676.3	657.1	-19.2	-2.8%
21.0%	674.1	651.8	-22.2	-3.3%
22.2%	659.1	618.6	-40.5	-6.1%
23.5%	658.0	617.0	-41.0	-6.2%
24.7%	647.8	616.0	-31.9	-4.9%
25.9%	642.7	612.2	-30.5	-4.7%
27.2%	633.2	609.2	-24.0	-3.8%
28.4%	628.7	600.2	-28.5	-4.5%
29.6%	627.8	593.8	-34.0	-5.4%
30.9%	618.8	592.5	-26.3	-4.3%
32.1%	616.0	589.5	-26.6	-4.3%
33.3%	615.5	588.1	-27.4	-4.4%
34.6%	613.6	583.3	-30.3	-4.9%
35.8%	613.4	581.9	-31.5	-5.1%
37.0%	613.3	576.4	-36.9	-6.0%
38.3%	607.0	565.9	-41.0	-6.8%
39.5%	605.4	559.2	-46.2	-7.6%
40.7%	602.2	558.1	-44.1	-7.3%
42.0%	599.9	538.9	-61.0	-10.2%
43.2%	597.2	535.9	-61.3	-10.3%
44.4%	590.3	534.5	-55.8	-9.5%
45.7%	583.0	523.3	-59.6	-10.2%
46.9%	581.3	521.6	-59.7	-10.3%
48.1%	570.5	501.2	-69.3	-12.1%
49.4%	556.0	493.2	-62.8	-11.3%
50.6%	548.9	492.1	-56.8	-10.3%
51.9%	514.0	440.1	-73.9	-14.4%
53.1%	434.3	432.2	-2.1	-0.5%
54.3%	433.1	430.2	-3.0	-0.7%
55.6%	424.1	414.1	-10.0	-2.4%
56.8%	419.0	414.0	-5.0	-1.2%
58.0%	413.4	402.9	-10.5	-2.5%
59.3%	398.4	399.6	1.2	0.3%
60.5%	397.2	391.1	-6.0	-1.5%
61.7%	393.3	385.6	-7.7	-1.9%
63.0%	388.1	379.8	-8.3	-2.1%
64.2%	387.1	371.7	-15.4	-4.0%
65.4%	386.4	371.1	-15.3	-3.9%
66.7%	381.7	369.8	-11.9	-3.1%
67.9%	373.5	368.2	-5.3	-1.4%
69.1%	373.1	362.2	-10.9	-2.9%
70.4%	368.4	351.8	-16.6	-4.5%
71.6%	362.4	351.2	-11.2	-3.1%
72.8%	360.4	350.7	-9.8	-2.7%
74.1%	359.9	350.1	-9.8	-2.7%
75.3%	354.8	348.1	-6.7	-1.9%
76.5%	352.5	347.7	-4.8	-1.4%
77.8%	352.0	344.7	-7.3	-2.1%
79.0%	347.3	341.2	-6.1	-1.8%
80.2%	342.5	338.3	-4.1	-1.2%
81.5%	341.6	336.3	-5.3	-1.5%
82.7%	339.9	336.2	-3.8	-1.1%
84.0%	334.0	332.0	-2.0	-0.6%
85.2%	331.6	331.4	-0.2	-0.1%
86.4%	330.2	331.1	0.9	0.3%
87.7%	329.9	328.1	-1.8	-0.6%
88.9%	329.3	327.9	-1.4	-0.4%
90.1%	326.2	324.2	-2.0	-0.6%
91.4%	322.7	323.8	1.1	0.4%
92.6%	318.8	322.8	4.0	1.3%
93.8%	316.1	314.9	-1.2	-0.4%
95.1%	309.5	306.9	-2.6	-0.8%
96.3%	304.5	299.2	-5.4	-1.8%
97.5%	260.5	260.3	-0.2	-0.1%
98.8%	209.2	210.0	0.8	0.4%
100.0%	206.5	206.4	-0.1	0.0%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	868.5	914.8	46.3	5.3%
1.2%	857.0	874.2	17.2	2.0%
2.5%	855.2	863.1	7.9	0.9%
3.7%	817.7	851.9	34.2	4.2%
4.9%	810.4	846.4	36.0	4.4%
6.2%	801.3	815.0	13.7	1.7%
7.4%	795.7	813.4	17.7	2.2%
8.6%	792.2	811.3	19.1	2.4%
9.9%	792.0	807.3	15.2	1.9%
11.1%	787.9	803.5	15.6	2.0%
12.3%	781.1	792.3	11.2	1.4%
13.6%	781.0	790.2	9.2	1.2%
14.8%	775.2	786.3	11.2	1.4%
16.0%	761.6	762.8	1.2	0.2%
17.3%	754.8	755.7	0.9	0.1%
18.5%	753.6	755.2	1.6	0.2%
19.8%	747.5	752.6	5.1	0.7%
21.0%	746.3	743.5	-2.8	-0.4%
22.2%	738.2	735.2	-3.0	-0.4%
23.5%	728.2	726.6	-1.7	-0.2%
24.7%	723.5	724.0	0.5	0.1%
25.9%	719.6	723.0	3.4	0.5%
27.2%	719.5	721.1	1.5	0.2%
28.4%	718.2	697.1	-21.1	-2.9%
29.6%	709.8	691.2	-18.6	-2.6%
30.9%	709.1	682.5	-26.6	-3.7%
32.1%	700.1	667.4	-32.7	-4.7%
33.3%	687.7	652.4	-35.3	-5.1%
34.6%	686.8	643.5	-43.3	-6.3%
35.8%	678.0	638.7	-39.4	-5.8%
37.0%	674.5	636.9	-37.6	-5.6%
38.3%	671.7	635.7	-36.0	-5.4%
39.5%	653.2	625.9	-27.3	-4.2%
40.7%	647.2	618.7	-28.5	-4.4%
42.0%	629.5	603.6	-25.9	-4.1%
43.2%	573.0	601.3	28.3	4.9%
44.4%	555.9	550.5	-5.4	-1.0%
45.7%	527.8	541.1	13.3	2.5%
46.9%	520.8	528.3	7.5	1.4%
48.1%	514.5	522.5	8.0	1.6%
49.4%	510.4	510.5	0.1	0.0%
50.6%	507.9	508.2	0.3	0.1%
51.9%	506.2	506.8	0.5	0.1%
53.1%	505.1	505.7	0.7	0.1%
54.3%	504.3	503.5	-0.8	-0.2%
55.6%	501.6	501.3	-0.3	-0.1%
56.8%	491.7	500.2	8.5	1.7%
58.0%	487.7	499.9	12.2	2.5%
59.3%	480.2	480.6	0.4	0.1%
60.5%	478.3	479.0	0.8	0.2%
61.7%	477.4	478.3	0.9	0.2%
63.0%	474.2	470.6	-3.7	-0.8%
64.2%	466.7	466.4	-0.3	-0.1%
65.4%	465.4	461.4	-4.0	-0.9%
66.7%	455.0	456.5	1.5	0.3%
67.9%	455.0	454.9	0.0	0.0%
69.1%	454.5	452.4	-2.1	-0.5%
70.4%	453.9	451.6	-2.3	-0.5%
71.6%	453.4	451.2	-2.2	-0.5%
72.8%	451.0	450.2	-0.8	-0.2%
74.1%	442.7	448.6	6.0	1.4%
75.3%	441.8	438.6	-3.1	-0.7%
76.5%	438.2	437.3	-0.9	-0.2%
77.8%	438.0	437.1	-0.9	-0.2%
79.0%	437.6	434.6	-3.0	-0.7%
80.2%	437.5	431.3	-6.2	-1.4%
81.5%	433.8	429.8	-4.0	-0.9%
82.7%	432.8	428.8	-4.0	-0.9%
84.0%	432.1	426.8	-5.4	-1.2%
85.2%	430.4	425.2	-5.1	-1.2%
86.4%	422.2	421.6	-0.6	-0.1%
87.7%	417.9	420.0	2.0	0.5%
88.9%	417.1	418.2	1.1	0.3%
90.1%	402.6	400.8	-1.7	-0.4%
91.4%	398.4	397.8	-0.6	-0.2%
92.6%	366.3	370.3	4.0	1.1%
93.8%	330.4	330.6	0.2	0.1%
95.1%	256.9	257.8	0.8	0.3%
96.3%	234.3	235.9	1.6	0.7%
97.5%	226.2	226.2	0.0	0.0%
98.8%	223.5	223.8	0.4	0.2%
100.0%	200.8	201.0	0.2	0.1%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	902.3	900.2	-2.0	-0.2%
1.2%	873.0	866.3	-6.7	-0.8%
2.5%	856.0	843.4	-12.6	-1.5%
3.7%	818.3	841.4	23.1	2.8%
4.9%	815.3	835.1	19.8	2.4%
6.2%	814.4	833.8	19.4	2.4%
7.4%	805.4	826.3	20.9	2.6%
8.6%	797.5	769.2	-28.4	-3.6%
9.9%	796.9	758.6	-38.2	-4.8%
11.1%	786.3	753.1	-33.2	-4.2%
12.3%	766.9	747.7	-19.2	-2.5%
13.6%	766.3	746.5	-19.8	-2.6%
14.8%	765.6	744.7	-20.9	-2.7%
16.0%	761.8	741.4	-20.4	-2.7%
17.3%	759.6	737.0	-22.6	-3.0%
18.5%	753.0	718.9	-34.1	-4.5%
19.8%	746.9	718.8	-28.2	-3.8%
21.0%	736.0	718.6	-17.4	-2.4%
22.2%	719.3	715.2	-4.1	-0.6%
23.5%	718.7	698.2	-20.5	-2.9%
24.7%	716.0	697.7	-18.2	-2.5%
25.9%	708.6	695.3	-13.3	-1.9%
27.2%	697.4	688.5	-8.9	-1.3%
28.4%	697.3	685.8	-11.5	-1.6%
29.6%	694.5	682.6	-11.8	-1.7%
30.9%	690.3	680.9	-9.4	-1.4%
32.1%	689.8	678.2	-11.6	-1.7%
33.3%	686.3	676.9	-9.4	-1.4%
34.6%	680.8	669.5	-11.2	-1.6%
35.8%	669.0	667.2	-1.8	-0.3%
37.0%	666.6	659.2	-7.5	-1.1%
38.3%	658.0	658.9	0.9	0.1%
39.5%	657.8	652.2	-5.6	-0.8%
40.7%	652.7	650.1	-2.6	-0.4%
42.0%	649.3	649.8	0.6	0.1%
43.2%	647.9	649.0	1.1	0.2%
44.4%	641.0	646.7	5.7	0.9%
45.7%	639.9	646.0	6.0	0.9%
46.9%	637.6	645.2	7.6	1.2%
48.1%	634.4	641.9	7.5	1.2%
49.4%	631.8	641.6	9.9	1.6%
50.6%	629.2	640.2	11.0	1.7%
51.9%	621.5	636.7	15.1	2.4%
53.1%	621.1	634.0	12.9	2.1%
54.3%	608.6	627.1	18.5	3.0%
55.6%	603.3	626.7	23.4	3.9%
56.8%	599.9	605.3	5.3	0.9%
58.0%	596.8	601.6	4.8	0.8%
59.3%	594.0	601.4	7.4	1.3%
60.5%	591.1	600.7	9.6	1.6%
61.7%	587.2	599.4	12.2	2.1%
63.0%	586.8	592.0	5.2	0.9%
64.2%	584.2	588.1	3.8	0.7%
65.4%	581.6	585.3	3.7	0.6%
66.7%	572.4	583.6	11.2	2.0%
67.9%	565.4	572.0	6.6	1.2%
69.1%	562.6	565.5	2.9	0.5%
70.4%	546.8	564.0	17.2	3.1%
71.6%	544.7	562.4	17.8	3.3%
72.8%	542.1	540.1	-2.1	-0.4%
74.1%	539.4	537.9	-1.5	-0.3%
75.3%	488.1	498.3	10.2	2.1%
76.5%	485.5	489.2	3.7	0.8%
77.8%	483.8	485.5	1.8	0.4%
79.0%	467.2	467.3	0.1	0.0%
80.2%	459.6	460.7	1.1	0.2%
81.5%	454.2	455.7	1.5	0.3%
82.7%	448.1	448.7	0.5	0.1%
84.0%	401.9	412.3	10.3	2.6%
85.2%	401.8	410.3	8.5	2.1%
86.4%	391.5	391.4	-0.1	0.0%
87.7%	377.6	378.1	0.4	0.1%
88.9%	363.7	363.9	0.2	0.1%
90.1%	357.4	356.7	-0.7	-0.2%
91.4%	318.6	323.0	4.4	1.4%
92.6%	312.9	313.0	0.1	0.0%
93.8%	308.4	304.1	-4.4	-1.4%
95.1%	303.3	303.5	0.1	0.0%
96.3%	289.8	291.9	2.0	0.7%
97.5%	275.6	276.4	0.7	0.3%
98.8%	267.4	267.6	0.3	0.1%
100.0%	252.9	253.0	0.1	0.0%

Table SQ-32-b

Delta Mendota Canal at Jones Pumping Plant, Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	898.3	904.9	6.6	0.7%
1.2%	894.9	898.4	3.5	0.4%
2.5%	884.2	895.3	11.1	1.3%
3.7%	863.5	879.0	15.5	1.8%
4.9%	859.6	872.7	13.1	1.5%
6.2%	841.4	867.7	26.4	3.1%
7.4%	822.2	859.0	36.8	4.5%
8.6%	820.7	849.8	29.1	3.6%
9.9%	819.5	838.1	18.6	2.3%
11.1%	815.1	821.5	6.4	0.8%
12.3%	811.6	820.8	9.2	1.1%
13.6%	807.6	806.9	-0.7	-0.1%
14.8%	796.1	798.9	2.8	0.3%
16.0%	789.5	787.8	-1.8	-0.2%
17.3%	772.0	779.7	7.7	1.0%
18.5%	771.9	774.7	2.9	0.4%
19.8%	750.4	757.3	6.9	0.9%
21.0%	716.2	751.6	35.4	4.9%
22.2%	714.6	745.6	31.1	4.3%
23.5%	708.7	724.1	15.4	2.2%
24.7%	702.3	707.7	5.5	0.8%
25.9%	688.6	699.2	10.6	1.5%
27.2%	688.5	698.4	10.0	1.4%
28.4%	686.2	692.1	5.9	0.9%
29.6%	681.7	683.5	1.8	0.3%
30.9%	676.0	681.9	5.9	0.9%
32.1%	669.0	668.7	-0.3	0.0%
33.3%	663.2	667.3	4.0	0.6%
34.6%	656.3	666.8	10.5	1.6%
35.8%	650.9	664.8	13.8	2.1%
37.0%	647.3	653.3	6.0	0.9%
38.3%	645.7	651.5	5.9	0.9%
39.5%	644.4	649.2	4.8	0.7%
40.7%	641.2	645.1	3.9	0.6%
42.0%	635.6	643.6	8.1	1.3%
43.2%	625.5	638.5	13.0	2.1%
44.4%	623.1	636.2	13.1	2.1%
45.7%	621.3	628.2	6.9	1.1%
46.9%	570.2	615.3	45.2	7.9%
48.1%	569.4	585.6	16.2	2.8%
49.4%	563.0	570.7	7.7	1.4%
50.6%	554.6	563.0	8.4	1.5%
51.9%	546.0	554.4	8.4	1.5%
53.1%	542.8	549.4	6.6	1.2%
54.3%	531.6	547.9	16.3	3.1%
55.6%	530.9	530.7	-0.2	0.0%
56.8%	529.7	528.2	-1.6	-0.3%
58.0%	523.0	523.0	0.0	0.0%
59.3%	512.7	518.7	6.0	1.2%
60.5%	495.1	513.0	17.9	3.6%
61.7%	489.9	502.7	12.9	2.6%
63.0%	484.4	486.9	2.5	0.5%
64.2%	482.1	483.2	1.1	0.2%
65.4%	478.6	479.0	0.5	0.1%
66.7%	477.2	478.5	1.3	0.3%
67.9%	461.6	461.5	0.0	0.0%
69.1%	446.0	446.6	0.7	0.1%
70.4%	442.2	446.5	4.3	1.0%
71.6%	418.8	430.4	11.6	2.8%
72.8%	412.4	413.7	1.4	0.3%
74.1%	401.1	405.8	4.8	1.2%
75.3%	400.5	401.2	0.6	0.2%
76.5%	386.6	386.7	0.0	0.0%
77.8%	379.4	381.2	1.8	0.5%
79.0%	374.6	375.3	0.6	0.2%
80.2%	329.1	329.9	0.8	0.2%
81.5%	325.3	324.4	-0.9	-0.3%
82.7%	324.3	324.4	0.0	0.0%
84.0%	323.4	323.7	0.3	0.1%
85.2%	316.1	316.2	0.1	0.0%
86.4%	302.6	309.5	6.9	2.3%
87.7%	299.5	300.1	0.6	0.2%
88.9%	296.0	297.5	1.5	0.5%
90.1%	290.4	297.4	7.0	2.4%
91.4%	270.3	270.9	0.6	0.2%
92.6%	254.5	254.6	0.1	0.0%
93.8%	237.2	237.5	0.2	0.1%
95.1%	231.1	228.8	-2.3	-1.0%
96.3%	227.7	227.8	0.1	0.1%
97.5%	225.7	226.2	0.5	0.2%
98.8%	211.2	212.0	0.8	0.4%
100.0%	174.5	174.0	-0.4	-0.2%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	918.4	918.6	0.2	0.0%
1.2%	914.9	913.5	-1.4	-0.2%
2.5%	905.5	899.6	-5.9	-0.7%
3.7%	866.1	864.5	-1.6	-0.2%
4.9%	864.1	836.6	-27.5	-3.2%
6.2%	824.3	832.5	8.2	1.0%
7.4%	815.2	818.7	3.5	0.4%
8.6%	811.4	814.2	2.8	0.3%
9.9%	790.8	811.5	20.7	2.6%
11.1%	786.2	810.6	24.4	3.1%
12.3%	778.9	795.0	16.1	2.1%
13.6%	715.6	784.7	69.1	9.7%
14.8%	714.2	717.2	3.0	0.4%
16.0%	700.3	716.9	16.5	2.4%
17.3%	698.3	700.2	1.9	0.3%
18.5%	680.9	698.0	17.1	2.5%
19.8%	674.4	674.9	0.5	0.1%
21.0%	660.0	669.9	9.9	1.5%
22.2%	650.6	654.3	3.6	0.6%
23.5%	641.8	651.4	9.7	1.5%
24.7%	636.3	638.8	2.5	0.4%
25.9%	630.8	624.4	-6.4	-1.0%
27.2%	623.1	621.3	-1.8	-0.3%
28.4%	616.4	618.5	2.0	0.3%
29.6%	609.3	617.8	8.4	1.4%
30.9%	598.4	607.7	9.2	1.5%
32.1%	595.3	595.2	-0.1	0.0%
33.3%	584.3	586.1	1.8	0.3%
34.6%	583.4	576.4	-7.0	-1.2%
35.8%	575.9	576.2	0.3	0.1%
37.0%	567.3	570.1	2.8	0.5%
38.3%	547.0	547.2	0.2	0.0%
39.5%	537.1	537.8	0.7	0.1%
40.7%	536.6	536.7	0.1	0.0%
42.0%	534.9	532.5	-2.3	-0.4%
43.2%	532.7	530.8	-1.9	-0.4%
44.4%	527.7	524.8	-2.8	-0.5%
45.7%	519.0	520.3	1.3	0.2%
46.9%	518.3	520.0	1.8	0.3%
48.1%	516.6	517.8	1.1	0.2%
49.4%	495.3	496.2	0.9	0.2%
50.6%	487.0	495.4	8.4	1.7%
51.9%	486.6	487.3	0.7	0.1%
53.1%	483.3	487.2	3.8	0.8%
54.3%	473.3	484.0	10.8	2.3%
55.6%	454.7	464.5	9.8	2.2%
56.8%	444.2	444.8	0.6	0.1%
58.0%	433.1	437.5	4.4	1.0%
59.3%	419.2	422.6	3.4	0.8%
60.5%	401.1	401.7	0.6	0.2%
61.7%	399.4	399.7	0.3	0.1%
63.0%	350.7	357.2	6.5	1.9%
64.2%	345.0	345.9	1.0	0.3%
65.4%	340.5	341.1	0.6	0.2%
66.7%	335.9	340.2	4.4	1.3%
67.9%	332.3	339.0	6.7	2.0%
69.1%	328.1	330.2	2.2	0.7%
70.4%	320.9	322.1	1.2	0.4%
71.6%	319.3	320.8	1.5	0.5%
72.8%	318.4	318.8	0.4	0.1%
74.1%	313.2	313.4	0.2	0.1%
75.3%	313.1	313.1	0.0	0.0%
76.5%	304.5	309.0	4.5	1.5%
77.8%	303.2	303.2	0.0	0.0%
79.0%	294.4	294.2	-0.2	-0.1%
80.2%	291.7	291.7	0.0	0.0%
81.5%	282.5	282.5	0.0	0.0%
82.7%	280.9	281.0	0.1	0.0%
84.0%	271.8	271.9	0.1	0.0%
85.2%	266.0	266.1	0.2	0.1%
86.4%	264.7	264.0	-0.8	-0.3%
87.7%	263.8	263.2	-0.6	-0.2%
88.9%	262.6	262.6	0.0	0.0%
90.1%	260.7	261.1	0.4	0.2%
91.4%	252.9	253.0	0.0	0.0%
92.6%	251.8	252.1	0.3	0.1%
93.8%	246.5	252.1	5.5	2.2%
95.1%	242.0	240.0	-2.0	-0.8%
96.3%	232.9	232.4	-0.5	-0.2%
97.5%	220.5	220.3	-0.2	-0.1%
98.8%	220.4	219.3	-1.1	-0.5%
100.0%	205.7	205.1	-0.6	-0.3%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	684.3	685.2	0.9	0.1%
1.2%	675.4	675.0	-0.4	-0.1%
2.5%	668.0	672.6	4.6	0.7%
3.7%	658.5	663.3	4.8	0.7%
4.9%	657.6	658.0	0.4	0.1%
6.2%	634.0	640.3	6.3	1.0%
7.4%	628.1	628.3	0.2	0.0%
8.6%	619.4	619.4	0.0	0.0%
9.9%	617.2	618.6	1.3	0.2%
11.1%	615.8	612.9	-2.8	-0.5%
12.3%	612.4	612.3	0.0	0.0%
13.6%	600.0	600.3	0.4	0.1%
14.8%	598.8	599.1	0.3	0.0%
16.0%	589.4	589.5	0.1	0.0%
17.3%	587.5	587.5	0.1	0.0%
18.5%	550.5	551.2	0.7	0.1%
19.8%	528.5	545.2	16.7	3.2%
21.0%	517.7	525.2	7.5	1.5%
22.2%	517.4	514.0	-3.4	-0.7%
23.5%	502.6	507.7	5.1	1.0%
24.7%	500.4	496.2	-4.2	-0.8%
25.9%	494.3	495.7	1.4	0.3%
27.2%	477.9	478.2	0.3	0.1%
28.4%	476.7	477.0	0.4	0.1%
29.6%	475.7	475.2	-0.6	-0.1%
30.9%	467.6	468.6	1.1	0.2%
32.1%	461.0	461.1	0.1	0.0%
33.3%	448.4	448.7	0.3	0.1%
34.6%	435.6	435.7	0.1	0.0%
35.8%	432.6	432.5	0.0	0.0%
37.0%	431.4	431.4	0.0	0.0%
38.3%	412.9	413.1	0.2	0.0%
39.5%	403.1	403.2	0.1	0.0%
40.7%	398.2	398.2	0.0	0.0%
42.0%	386.9	386.9	0.0	0.0%
43.2%	382.4	382.4	0.0	0.0%
44.4%	379.5	379.5	0.0	0.0%
45.7%	373.2	373.5	0.3	0.1%
46.9%	370.9	371.1	0.2	0.0%
48.1%	364.6	364.7	0.0	0.0%
49.4%	363.6	363.7	0.1	0.0%
50.6%	346.9	346.9	0.0	0.0%
51.9%	345.9	346.0	0.1	0.0%
53.1%	343.4	343.3	0.0	0.0%
54.3%	335.3	335.8	0.5	0.1%
55.6%	335.1	335.2	0.1	0.0%
56.8%	334.5	334.4	0.0	0.0%
58.0%	323.5	323.5	0.0	0.0%
59.3%	322.1	322.1	0.0	0.0%
60.5%	321.1	321.2	0.0	0.0%
61.7%	319.7	319.6	-0.1	0.0%
63.0%	316.8	316.8	0.0	0.0%
64.2%	316.7	316.8	0.1	0.0%
65.4%	312.7	315.0	2.3	0.7%
66.7%	307.5	307.9	0.4	0.1%
67.9%	302.3	302.3	0.0	0.0%
69.1%	300.8	301.0	0.3	0.1%
70.4%	292.4	292.4	0.0	0.0%
71.6%	287.0	287.0	0.0	0.0%
72.8%	281.7	281.5	-0.2	-0.1%
74.1%	280.5	280.7	0.2	0.1%
75.3%	273.9	274.0	0.0	0.0%
76.5%	271.7	271.7	0.0	0.0%
77.8%	270.5	271.0	0.5	0.2%
79.0%	264.8	264.8	0.0	0.0%
80.2%	263.9	264.0	0.1	0.0%
81.5%	258.4	260.6	2.2	0.9%
82.7%	247.4	247.3	-0.1	-0.1%
84.0%	245.1	245.2	0.0	0.0%
85.2%	244.5	244.5	0.0	0.0%
86.4%	241.5	241.5	0.0	0.0%
87.7%	236.0	236.2	0.2	0.1%
88.9%	226.6	226.8	0.2	0.1%
90.1%	226.3	226.7	0.4	0.2%
91.4%	220.8	220.8	0.0	0.0%
92.6%	220.5	219.5	-1.0	-0.4%
93.8%	218.5	218.5	0.0	0.0%
95.1%	212.9	213.4	0.4	0.2%
96.3%	197.0	196.6	-0.4	-0.2%
97.5%	183.8	183.8	0.1	0.0%
98.8%	176.8	176.9	0.2	0.1%
100.0%	166.7	166.3	-0.4	-0.2%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	605.4	608.3	2.9	0.5%
1.2%	590.8	596.5	5.8	1.0%
2.5%	588.8	592.3	3.5	0.6%
3.7%	586.6	588.9	2.3	0.4%
4.9%	580.4	580.4	0.0	0.0%
6.2%	578.6	579.0	0.4	0.1%
7.4%	577.2	578.3	1.1	0.2%
8.6%	565.2	577.9	12.8	2.3%
9.9%	562.0	565.4	3.4	0.6%
11.1%	559.3	561.0	1.7	0.3%
12.3%	558.7	559.0	0.3	0.1%
13.6%	556.6	556.9	0.3	0.0%
14.8%	545.4	551.1	5.7	1.0%
16.0%	543.6	549.0	5.3	1.0%
17.3%	543.6	545.3	1.8	0.3%
18.5%	539.4	543.8	4.4	0.8%
19.8%	538.5	539.0	0.5	0.1%
21.0%	536.0	536.8	0.8	0.2%
22.2%	525.2	531.5	6.4	1.2%
23.5%	525.2	525.2	0.0	0.0%
24.7%	519.5	520.2	0.7	0.1%
25.9%	517.7	518.2	0.5	0.1%
27.2%	509.5	513.5	3.9	0.8%
28.4%	498.3	498.0	-0.3	-0.1%
29.6%	485.7	485.7	0.1	0.0%
30.9%	483.6	483.5	0.0	0.0%
32.1%	471.3	471.2	-0.1	0.0%
33.3%	463.9	466.0	2.2	0.5%
34.6%	463.1	459.5	-3.6	-0.8%
35.8%	459.1	459.2	0.1	0.0%
37.0%	455.1	455.1	0.0	0.0%
38.3%	447.5	447.1	-0.4	-0.1%
39.5%	446.7	446.7	0.0	0.0%
40.7%	445.7	445.7	0.0	0.0%
42.0%	444.6	444.7	0.0	0.0%
43.2%	436.4	436.5	0.1	0.0%
44.4%	431.1	431.0	-0.1	0.0%
45.7%	429.3	429.3	0.0	0.0%
46.9%	404.3	404.2	-0.1	0.0%
48.1%	401.5	401.5	0.0	0.0%
49.4%	401.1	401.3	0.2	0.1%
50.6%	401.0	400.8	-0.2	0.0%
51.9%	395.4	395.4	0.0	0.0%
53.1%	392.8	393.0	0.2	0.1%
54.3%	390.8	390.9	0.0	0.0%
55.6%	381.5	381.5	0.1	0.0%
56.8%	380.0	379.9	-0.1	0.0%
58.0%	378.8	378.8	0.0	0.0%
59.3%	375.6	374.9	-0.7	-0.2%
60.5%	374.0	374.0	0.0	0.0%
61.7%	371.7	372.2	0.6	0.2%
63.0%	362.8	362.9	0.1	0.0%
64.2%	361.8	361.7	-0.1	0.0%
65.4%	359.9	359.9	0.1	0.0%
66.7%	359.1	359.0	-0.1	0.0%
67.9%	348.1	348.3	0.2	0.1%
69.1%	339.4	339.5	0.1	0.0%
70.4%	338.9	338.9	0.0	0.0%
71.6%	327.5	327.6	0.0	0.0%
72.8%	318.8	318.8	0.0	0.0%
74.1%	313.1	313.1	0.0	0.0%
75.3%	309.8	309.9	0.1	0.0%
76.5%	308.1	308.2	0.1	0.0%
77.8%	289.1	290.4	1.3	0.5%
79.0%	284.6	286.0	1.4	0.5%
80.2%	280.6	280.6	0.0	0.0%
81.5%	275.6	276.8	1.2	0.4%
82.7%	270.9	270.9	0.0	0.0%
84.0%	267.1	267.2	0.1	0.0%
85.2%	255.1	255.3	0.2	0.1%
86.4%	253.9	254.9	1.0	0.4%
87.7%	226.1	226.3	0.3	0.1%
88.9%	212.6	213.2	0.7	0.3%
90.1%	212.2	212.3	0.1	0.0%
91.4%	208.8	210.1	1.3	0.6%
92.6%	197.0	197.6	0.6	0.3%
93.8%	191.2	191.3	0.2	0.1%
95.1%	188.5	188.7	0.2	0.1%
96.3%	179.1	179.4	0.3	0.2%
97.5%	173.1	173.0	-0.1	-0.1%
98.8%	172.2	172.6	0.4	0.2%
100.0%	163.5	163.7	0.2	0.1%

Table SQ-32-b

Delta Mendota Canal at Jones Pumping Plant, Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	554.4	556.9	2.6	0.5%
1.2%	541.7	544.4	2.7	0.5%
2.5%	536.9	538.1	1.2	0.2%
3.7%	534.6	536.3	1.7	0.3%
4.9%	521.2	521.4	0.1	0.0%
6.2%	514.8	507.9	-6.9	-1.3%
7.4%	488.8	490.0	1.2	0.3%
8.6%	485.0	488.9	3.9	0.8%
9.9%	469.5	471.2	1.8	0.4%
11.1%	468.5	470.6	2.1	0.5%
12.3%	468.2	466.6	-1.6	-0.3%
13.6%	466.2	466.3	0.1	0.0%
14.8%	465.4	465.8	0.4	0.1%
16.0%	461.9	464.9	2.9	0.6%
17.3%	456.1	460.4	4.3	1.0%
18.5%	453.0	458.8	5.8	1.3%
19.8%	452.4	457.4	5.0	1.1%
21.0%	448.0	454.5	6.5	1.5%
22.2%	444.8	448.3	3.5	0.8%
23.5%	438.2	435.2	-3.0	-0.7%
24.7%	432.7	430.4	-2.3	-0.5%
25.9%	428.8	424.9	-3.9	-0.9%
27.2%	424.7	423.5	-1.2	-0.3%
28.4%	424.3	421.8	-2.5	-0.6%
29.6%	421.8	420.9	-0.9	-0.2%
30.9%	420.7	420.7	-0.1	0.0%
32.1%	420.7	419.4	-1.3	-0.3%
33.3%	419.2	414.4	-4.8	-1.1%
34.6%	414.4	414.3	-0.1	0.0%
35.8%	409.5	409.6	0.1	0.0%
37.0%	409.3	408.6	-0.7	-0.2%
38.3%	406.4	408.0	1.6	0.4%
39.5%	404.2	407.6	3.4	0.8%
40.7%	404.0	407.1	3.1	0.8%
42.0%	402.7	403.9	1.3	0.3%
43.2%	402.0	402.1	0.0	0.0%
44.4%	398.5	401.0	2.5	0.6%
45.7%	398.0	400.1	2.1	0.5%
46.9%	396.9	399.0	2.1	0.5%
48.1%	394.8	398.7	3.9	1.0%
49.4%	394.1	396.9	2.8	0.7%
50.6%	393.2	394.6	1.4	0.4%
51.9%	393.1	394.4	1.3	0.3%
53.1%	392.0	392.4	0.4	0.1%
54.3%	390.0	390.5	0.5	0.1%
55.6%	387.8	389.3	1.5	0.4%
56.8%	386.6	389.0	2.4	0.6%
58.0%	383.8	388.2	4.4	1.2%
59.3%	383.0	387.9	4.8	1.3%
60.5%	382.7	386.4	3.7	1.0%
61.7%	382.5	386.1	3.6	1.0%
63.0%	381.9	384.4	2.4	0.6%
64.2%	380.6	383.3	2.7	0.7%
65.4%	379.1	382.9	3.8	1.0%
66.7%	377.8	382.9	5.1	1.3%
67.9%	376.2	382.2	6.0	1.6%
69.1%	375.9	380.6	4.7	1.3%
70.4%	375.7	380.4	4.7	1.3%
71.6%	375.5	378.1	2.7	0.7%
72.8%	372.5	377.8	5.3	1.4%
74.1%	369.0	377.1	8.1	2.2%
75.3%	368.6	376.4	7.8	2.1%
76.5%	368.0	376.0	8.0	2.2%
77.8%	366.4	375.0	8.6	2.3%
79.0%	365.6	374.7	9.1	2.5%
80.2%	365.2	370.9	5.6	1.5%
81.5%	364.2	368.0	3.7	1.0%
82.7%	362.6	366.3	3.7	1.0%
84.0%	362.0	364.5	2.4	0.7%
85.2%	362.0	363.7	1.8	0.5%
86.4%	354.7	356.2	1.5	0.4%
87.7%	354.0	353.9	0.0	0.0%
88.9%	343.7	346.0	2.3	0.7%
90.1%	340.8	343.9	3.1	0.9%
91.4%	339.7	341.2	1.6	0.5%
92.6%	324.1	325.2	1.0	0.3%
93.8%	323.3	322.8	-0.4	-0.1%
95.1%	309.2	310.3	1.1	0.4%
96.3%	300.4	300.3	0.0	0.0%
97.5%	276.0	276.8	0.8	0.3%
98.8%	255.3	256.0	0.7	0.3%
100.0%	233.7	234.0	0.4	0.2%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	582.6	577.6	-5.0	-0.9%
1.2%	565.9	539.0	-26.9	-4.8%
2.5%	550.0	537.0	-13.0	-2.4%
3.7%	535.5	515.8	-19.7	-3.7%
4.9%	462.1	463.7	1.6	0.3%
6.2%	453.9	451.6	-2.3	-0.5%
7.4%	447.2	435.7	-11.5	-2.6%
8.6%	441.2	431.6	-9.5	-2.2%
9.9%	423.8	425.2	1.5	0.3%
11.1%	423.5	424.8	1.4	0.3%
12.3%	419.4	422.0	2.6	0.6%
13.6%	419.4	419.7	0.3	0.1%
14.8%	418.8	418.7	0.0	0.0%
16.0%	411.7	418.0	6.3	1.5%
17.3%	409.9	411.7	1.9	0.5%
18.5%	409.0	411.1	2.1	0.5%
19.8%	408.8	406.5	-2.2	-0.5%
21.0%	408.5	405.6	-2.9	-0.7%
22.2%	407.0	404.1	-2.8	-0.7%
23.5%	405.7	404.1	-1.6	-0.4%
24.7%	404.1	402.7	-1.4	-0.3%
25.9%	403.0	401.2	-1.9	-0.5%
27.2%	398.7	398.2	-0.5	-0.1%
28.4%	397.7	396.8	-0.9	-0.2%
29.6%	395.3	396.6	1.3	0.3%
30.9%	393.2	391.7	-1.5	-0.4%
32.1%	393.2	390.7	-2.4	-0.6%
33.3%	391.3	388.4	-2.9	-0.7%
34.6%	387.9	386.3	-1.6	-0.4%
35.8%	385.6	385.5	-0.1	0.0%
37.0%	385.4	385.3	-0.1	0.0%
38.3%	383.2	384.4	1.2	0.3%
39.5%	377.6	383.1	5.5	1.5%
40.7%	377.0	382.8	5.8	1.5%
42.0%	376.4	380.3	3.9	1.0%
43.2%	375.9	378.5	2.6	0.7%
44.4%	375.9	377.2	1.3	0.4%
45.7%	374.0	377.2	3.2	0.9%
46.9%	372.7	371.0	-1.7	-0.5%
48.1%	370.2	370.9	0.7	0.2%
49.4%	366.8	369.7	2.9	0.8%
50.6%	366.6	368.9	2.3	0.6%
51.9%	364.6	367.1	2.5	0.7%
53.1%	362.7	364.5	1.8	0.5%
54.3%	362.5	364.1	1.5	0.4%
55.6%	362.5	362.6	0.1	0.0%
56.8%	357.5	360.2	2.7	0.7%
58.0%	356.7	359.1	2.4	0.7%
59.3%	356.4	356.8	0.4	0.1%
60.5%	354.9	356.1	1.2	0.3%
61.7%	354.1	354.3	0.2	0.1%
63.0%	352.3	352.9	0.6	0.2%
64.2%	351.1	351.3	0.2	0.1%
65.4%	351.0	351.3	0.3	0.1%
66.7%	350.9	351.2	0.4	0.1%
67.9%	350.6	349.4	-1.1	-0.3%
69.1%	348.4	346.3	-2.1	-0.6%
70.4%	347.8	345.8	-2.0	-0.6%
71.6%	346.9	345.7	-1.2	-0.3%
72.8%	345.8	343.2	-2.6	-0.8%
74.1%	344.9	342.6	-2.3	-0.7%
75.3%	344.0	341.4	-2.6	-0.8%
76.5%	344.0	341.1	-2.9	-0.8%
77.8%	342.7	339.7	-3.0	-0.9%
79.0%	342.2	338.3	-3.9	-1.1%
80.2%	342.2	336.4	-5.9	-1.7%
81.5%	341.6	336.2	-5.4	-1.6%
82.7%	338.2	336.0	-2.2	-0.7%
84.0%	337.3	332.5	-4.9	-1.4%
85.2%	335.8	332.2	-3.6	-1.1%
86.4%	335.8	332.0	-3.7	-1.1%
87.7%	333.3	331.6	-1.7	-0.5%
88.9%	332.9	330.4	-2.4	-0.7%
90.1%	332.6	326.7	-5.9	-1.8%
91.4%	332.1	326.3	-5.8	-1.7%
92.6%	329.9	324.5	-5.4	-1.6%
93.8%	327.2	321.8	-5.4	-1.7%
95.1%	325.0	316.8	-8.2	-2.5%
96.3%	322.9	313.5	-9.4	-2.9%
97.5%	318.6	312.2	-6.5	-2.0%
98.8%	317.7	308.9	-8.8	-2.8%
100.0%	310.5	303.5	-6.9	-2.2%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	676.4	685.4	9.0	1.3%
1.2%	610.9	667.7	56.8	9.3%
2.5%	608.0	612.1	4.1	0.7%
3.7%	601.1	611.5	10.4	1.7%
4.9%	577.3	581.7	4.4	0.8%
6.2%	573.2	575.5	2.2	0.4%
7.4%	573.1	568.7	-4.4	-0.8%
8.6%	560.6	564.6	3.9	0.7%
9.9%	552.7	561.2	8.5	1.5%
11.1%	548.0	559.2	11.2	2.0%
12.3%	544.0	559.0	14.9	2.7%
13.6%	541.4	553.1	11.6	2.2%
14.8%	529.4	548.5	19.1	3.6%
16.0%	528.7	542.4	13.7	2.6%
17.3%	528.5	539.1	10.6	2.0%
18.5%	526.3	533.9	7.6	1.4%
19.8%	516.5	512.1	-4.4	-0.9%
21.0%	510.4	508.9	-1.5	-0.3%
22.2%	502.8	498.4	-4.3	-0.9%
23.5%	496.0	483.1	-12.9	-2.6%
24.7%	472.9	469.6	-3.3	-0.7%
25.9%	455.1	443.0	-12.1	-2.7%
27.2%	450.9	442.0	-8.9	-2.0%
28.4%	450.2	437.8	-12.5	-2.8%
29.6%	429.5	432.0	2.5	0.6%
30.9%	428.2	431.2	3.0	0.7%
32.1%	425.7	430.5	4.8	1.1%
33.3%	424.3	427.7	3.4	0.8%
34.6%	423.8	426.8	3.0	0.7%
35.8%	422.7	426.6	3.9	0.9%
37.0%	422.4	424.8	2.5	0.6%
38.3%	418.8	423.7	4.9	1.2%
39.5%	416.8	421.7	4.9	1.2%
40.7%	416.7	420.8	4.1	1.0%
42.0%	415.8	420.1	4.3	1.0%
43.2%	410.2	419.0	8.7	2.1%
44.4%	410.2	418.7	8.5	2.1%
45.7%	408.6	414.5	6.0	1.5%
46.9%	406.9	410.3	3.3	0.8%
48.1%	402.5	409.4	6.9	1.7%
49.4%	394.7	404.9	10.2	2.6%
50.6%	393.9	404.1	10.2	2.6%
51.9%	392.6	394.7	2.1	0.5%
53.1%	391.6	385.3	-6.3	-1.6%
54.3%	388.4	384.5	-3.9	-1.0%
55.6%	382.1	383.8	1.8	0.5%
56.8%	377.7	383.2	5.4	1.4%
58.0%	376.7	381.0	4.2	1.1%
59.3%	372.2	380.0	7.8	2.1%
60.5%	370.3	375.0	4.7	1.3%
61.7%	363.8	373.0	9.2	2.5%
63.0%	361.9	371.7	9.8	2.7%
64.2%	357.3	359.6	2.3	0.6%
65.4%	355.2	358.0	2.7	0.8%
66.7%	353.3	352.4	-0.9	-0.2%
67.9%	350.8	350.8	0.0	0.0%
69.1%	350.5	350.6	0.1	0.0%
70.4%	349.0	349.2	0.2	0.1%
71.6%	345.4	346.5	1.2	0.3%
72.8%	345.2	345.2	0.0	0.0%
74.1%	341.8	344.0	2.2	0.6%
75.3%	341.3	340.3	-1.0	-0.3%
76.5%	341.2	338.2	-3.0	-0.9%
77.8%	340.2	337.8	-2.4	-0.7%
79.0%	335.1	335.9	0.9	0.3%
80.2%	334.8	335.1	0.4	0.1%
81.5%	328.9	333.6	4.7	1.4%
82.7%	328.6	330.4	1.8	0.5%
84.0%	328.1	326.7	-1.4	-0.4%
85.2%	328.0	326.4	-1.6	-0.5%
86.4%	326.9	325.0	-1.9	-0.6%
87.7%	326.9	324.9	-1.9	-0.6%
88.9%	326.3	324.2	-2.1	-0.6%
90.1%	326.0	322.4	-3.6	-1.1%
91.4%	325.9	321.0	-4.9	-1.5%
92.6%	321.7	320.5	-1.1	-0.3%
93.8%	320.9	315.0	-6.0	-1.9%
95.1%	315.5	314.5	-1.0	-0.3%
96.3%	315.0	312.8	-2.2	-0.7%
97.5%	314.9	309.7	-5.2	-1.7%
98.8%	314.0	307.3	-6.8	-2.2%
100.0%	273.3	269.1	-4.2	-1.5%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly EC (UMHOS/CM)	WSIP 2030 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	685.7	707.2	21.5	3.1%
1.2%	684.6	690.0	5.4	0.8%
2.5%	662.4	664.9	2.5	0.4%
3.7%	651.6	652.1	0.4	0.1%
4.9%	651.2	649.7	-1.5	-0.2%
6.2%	646.1	648.0	1.9	0.3%
7.4%	641.4	647.2	5.8	0.9%
8.6%	630.9	640.4	9.5	1.5%
9.9%	630.7	640.0	9.3	1.5%
11.1%	628.7	635.2	6.6	1.0%
12.3%	626.3	632.5	6.2	1.0%
13.6%	624.9	631.2	6.2	1.0%
14.8%	623.6	624.9	1.3	0.2%
16.0%	621.6	620.2	-1.4	-0.2%
17.3%	614.4	618.3	3.9	0.6%
18.5%	609.2	603.2	-6.0	-1.0%
19.8%	602.5	597.9	-4.5	-0.8%
21.0%	602.0	596.9	-5.1	-0.8%
22.2%	601.3	595.5	-5.8	-1.0%
23.5%	597.0	595.0	-2.0	-0.3%
24.7%	596.3	594.7	-1.6	-0.3%
25.9%	595.9	589.1	-6.7	-1.1%
27.2%	591.2	583.8	-7.4	-1.3%
28.4%	588.5	582.4	-6.2	-1.0%
29.6%	588.0	581.1	-6.9	-1.2%
30.9%	584.5	580.9	-3.6	-0.6%
32.1%	582.5	579.2	-3.3	-0.6%
33.3%	579.3	578.9	-0.4	-0.1%
34.6%	572.5	571.2	-1.3	-0.2%
35.8%	570.0	567.8	-2.2	-0.4%
37.0%	568.3	565.9	-2.4	-0.4%
38.3%	567.7	565.5	-2.2	-0.4%
39.5%	551.8	565.0	13.3	2.4%
40.7%	549.6	559.5	9.9	1.8%
42.0%	544.2	557.1	12.9	2.4%
43.2%	540.8	556.4	15.5	2.9%
44.4%	540.4	556.0	15.6	2.9%
45.7%	532.1	552.4	20.3	3.8%
46.9%	531.5	552.1	20.6	3.9%
48.1%	518.0	550.5	32.5	6.3%
49.4%	514.0	543.3	29.3	5.7%
50.6%	512.4	537.5	25.1	4.9%
51.9%	512.0	532.9	20.9	4.1%
53.1%	502.4	532.4	30.0	6.0%
54.3%	500.3	529.3	29.0	5.8%
55.6%	496.8	511.7	14.9	3.0%
56.8%	494.7	511.1	16.5	3.3%
58.0%	492.6	504.3	11.7	2.4%
59.3%	492.2	487.3	-5.0	-1.0%
60.5%	484.4	483.6	-0.9	-0.2%
61.7%	478.9	476.4	-2.5	-0.5%
63.0%	475.3	475.8	0.6	0.1%
64.2%	474.9	474.4	-0.4	-0.1%
65.4%	471.6	469.1	-2.5	-0.5%
66.7%	466.6	465.9	-0.7	-0.1%
67.9%	462.4	461.4	-0.9	-0.2%
69.1%	458.3	457.7	-0.6	-0.1%
70.4%	458.3	453.4	-4.9	-1.1%
71.6%	452.1	448.3	-3.8	-0.8%
72.8%	447.2	445.2	-2.0	-0.4%
74.1%	445.3	434.6	-10.7	-2.4%
75.3%	440.9	434.3	-6.6	-1.5%
76.5%	440.1	429.6	-10.5	-2.4%
77.8%	438.4	428.6	-9.8	-2.2%
79.0%	435.5	428.2	-7.3	-1.7%
80.2%	432.1	424.7	-7.4	-1.7%
81.5%	429.8	424.2	-5.6	-1.3%
82.7%	424.6	422.6	-2.0	-0.5%
84.0%	422.2	417.9	-4.3	-1.0%
85.2%	421.1	416.8	-4.3	-1.0%
86.4%	418.3	407.3	-11.1	-2.6%
87.7%	414.2	404.3	-9.9	-2.4%
88.9%	413.0	402.5	-10.5	-2.5%
90.1%	409.7	401.7	-8.0	-2.0%
91.4%	404.3	400.0	-4.3	-1.1%
92.6%	402.4	399.4	-3.0	-0.7%
93.8%	402.3	397.7	-4.7	-1.2%
95.1%	401.5	390.7	-10.8	-2.7%
96.3%	386.2	379.3	-6.9	-1.8%
97.5%	371.8	369.4	-2.4	-0.6%
98.8%	336.3	337.8	1.5	0.5%
100.0%	249.8	245.2	-4.7	-1.9%

Sacramento-San Joaquin Delta Modeling

Summary Tables and Bar Charts

Table SQ-01-a
X2, Monthly Position
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Position (KM)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	87.7	84.3	78.0	68.1	62.7	64.5	70.1	78.1	84.1	84.1	91.1	84.9
WSIP 2070 With Project	87.1	84.1	78.9	69.1	63.4	65.1	70.2	78.1	83.7	84.0	90.5	84.0
Difference	-1	0	1	1	1	1	0	0	0	0	-1	-1
Percent Difference[3]	-0.7%	-0.1%	1.2%	1.4%	1.0%	0.9%	0.2%	0.0%	-0.5%	-0.2%	-0.6%	-1.0%
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	80.0	76.6	75.0	56.5	55.6	57.7	61.9	71.7	80.6	79.2	89.8	69.2
WSIP 2070 With Project	79.6	76.8	76.3	56.9	55.6	57.9	61.8	71.8	80.4	79.2	89.5	69.1
Difference	0	0	1	0	0	0	0	0	0	0	0	0
Percent Difference	-0.5%	0.2%	1.7%	0.8%	0.1%	0.3%	-0.2%	0.2%	-0.2%	0.0%	-0.4%	-0.1%
Above Normal (13.4%)												
WSIP 2070 Without Project	84.0	80.9	80.9	61.5	56.6	59.0	65.9	75.3	83.7	78.8	89.9	80.3
WSIP 2070 With Project	83.4	81.0	81.5	62.4	56.9	59.5	66.2	75.3	83.6	78.4	89.6	80.1
Difference	-1	0	1	1	0	1	0	0	0	0	0	0
Percent Difference	-0.7%	0.1%	0.7%	1.4%	0.5%	0.9%	0.4%	0.0%	-0.1%	-0.6%	-0.3%	-0.3%
Below Normal (15.9%)												
WSIP 2070 Without Project	92.4	85.5	74.5	68.9	64.2	65.8	71.9	78.1	84.5	82.5	90.6	94.4
WSIP 2070 With Project	90.9	85.0	74.8	70.8	65.1	66.8	71.9	78.2	84.1	82.4	90.2	92.8
Difference	-2	0	0	2	1	1	0	0	0	0	0	-2
Percent Difference	-1.7%	-0.5%	0.3%	2.7%	1.4%	1.5%	0.0%	0.1%	-0.4%	-0.1%	-0.4%	-1.7%
Dry (24.4%)												
WSIP 2070 Without Project	92.1	89.4	78.6	78.0	66.2	67.9	74.6	81.7	85.8	89.1	92.2	94.8
WSIP 2070 With Project	91.2	89.7	78.8	78.9	67.8	69.0	75.2	81.4	84.9	88.9	91.1	93.3
Difference	-1	0	0	1	2	1	1	0	-1	0	-1	-1
Percent Difference	-0.9%	0.3%	0.3%	1.2%	2.4%	1.6%	0.8%	-0.4%	-1.0%	-0.2%	-1.2%	-1.6%
Critical (14.6%)												
WSIP 2070 Without Project	95.4	93.9	84.4	81.9	76.5	77.1	82.1	88.7	89.2	93.1	93.5	96.2
WSIP 2070 With Project	95.7	92.7	86.8	83.3	76.8	77.3	82.0	88.7	88.4	92.7	92.9	95.1
Difference	0	-1	2	1	0	0	0	0	-1	0	-1	-1
Percent Difference	0.4%	-1.3%	2.9%	1.6%	0.4%	0.3%	-0.1%	0.0%	-0.9%	-0.4%	-0.6%	-1.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SQ-21-a
Sacramento River at Emmaton, Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	1969.1	1540.0	993.9	489.0	261.1	219.6	254.5	413.2	699.1	838.7	1499.4	1846.0
WSIP 2070 With Project	1728.8	1385.2	979.4	515.5	256.3	222.3	256.1	409.1	660.6	788.5	1388.4	1541.4
Difference	-240.3	-154.8	-14.6	26.5	-4.9	2.8	1.6	-4.1	-38.5	-50.1	-111.0	-304.6
Percent Difference[3]	-12.2%	-10.0%	-1.5%	5.4%	-1.9%	1.3%	0.6%	-1.0%	-5.5%	-6.0%	-7.4%	-16.5%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	294.7	286.4	506.4	195.6	181.8	183.3	192.6	240.2	362.1	350.8	1040.4	360.7
WSIP 2070 With Project	277.0	282.0	528.8	206.9	182.1	183.8	191.6	240.6	359.8	348.2	984.3	351.5
Difference	-17.7	-4.4	22.4	11.3	0.3	0.4	-1.0	0.3	-2.3	-2.6	-56.2	-9.2
Percent Difference	-6.0%	-1.5%	4.4%	5.8%	0.2%	0.2%	-0.5%	0.1%	-0.6%	-0.7%	-5.4%	-2.5%
Above Normal (13.4%)												
WSIP 2070 Without Project	603.6	493.3	743.9	290.6	187.2	183.0	195.8	239.4	448.3	338.2	926.1	607.7
WSIP 2070 With Project	544.6	476.9	732.5	315.2	188.1	183.8	197.0	240.4	445.6	323.1	873.8	586.8
Difference	-59.0	-16.4	-11.5	24.6	0.9	0.8	1.3	1.0	-2.7	-15.1	-52.3	-20.9
Percent Difference	-9.8%	-3.3%	-1.5%	8.5%	0.5%	0.4%	0.6%	0.4%	-0.6%	-4.5%	-5.7%	-3.4%
Below Normal (15.9%)												
WSIP 2070 Without Project	2985.4	1755.6	930.6	415.7	214.7	194.3	229.5	334.2	591.5	541.6	1213.3	2635.0
WSIP 2070 With Project	2352.7	1401.4	850.7	481.7	221.6	203.2	229.8	323.3	563.5	526.8	1151.7	2139.7
Difference	-632.7	-354.2	-79.9	66.0	6.9	8.8	0.3	-10.9	-28.0	-14.8	-61.7	-495.2
Percent Difference	-21.2%	-20.2%	-8.6%	15.9%	3.2%	4.6%	0.1%	-3.3%	-4.7%	-2.7%	-5.1%	-18.8%
Dry (24.4%)												
WSIP 2070 Without Project	3019.2	2304.6	1317.1	656.7	259.9	219.9	252.7	389.3	766.5	1131.6	1920.4	2906.1
WSIP 2070 With Project	2563.6	2128.4	1252.0	697.1	280.7	224.3	264.3	380.2	694.5	1048.7	1706.0	2307.3
Difference	-455.6	-176.2	-65.0	40.4	20.8	4.4	11.7	-9.1	-72.1	-82.9	-214.4	-598.8
Percent Difference	-15.1%	-7.6%	-4.9%	6.2%	8.0%	2.0%	4.6%	-2.3%	-9.4%	-7.3%	-11.2%	-20.6%
Critical (14.6%)												
WSIP 2070 Without Project	3997.6	3707.5	1809.6	1106.4	553.2	358.4	472.4	1072.4	1663.5	2188.1	2627.2	3578.0
WSIP 2070 With Project	3893.0	3351.8	1867.0	1101.8	476.2	358.6	464.9	1069.9	1558.2	2019.3	2462.7	3069.9
Difference	-104.6	-355.6	57.5	-4.6	-77.0	0.2	-7.6	-2.5	-105.3	-168.8	-164.5	-508.0
Percent Difference	-2.6%	-9.6%	3.2%	-0.4%	-13.9%	0.0%	-1.6%	-0.2%	-6.3%	-7.7%	-6.3%	-14.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

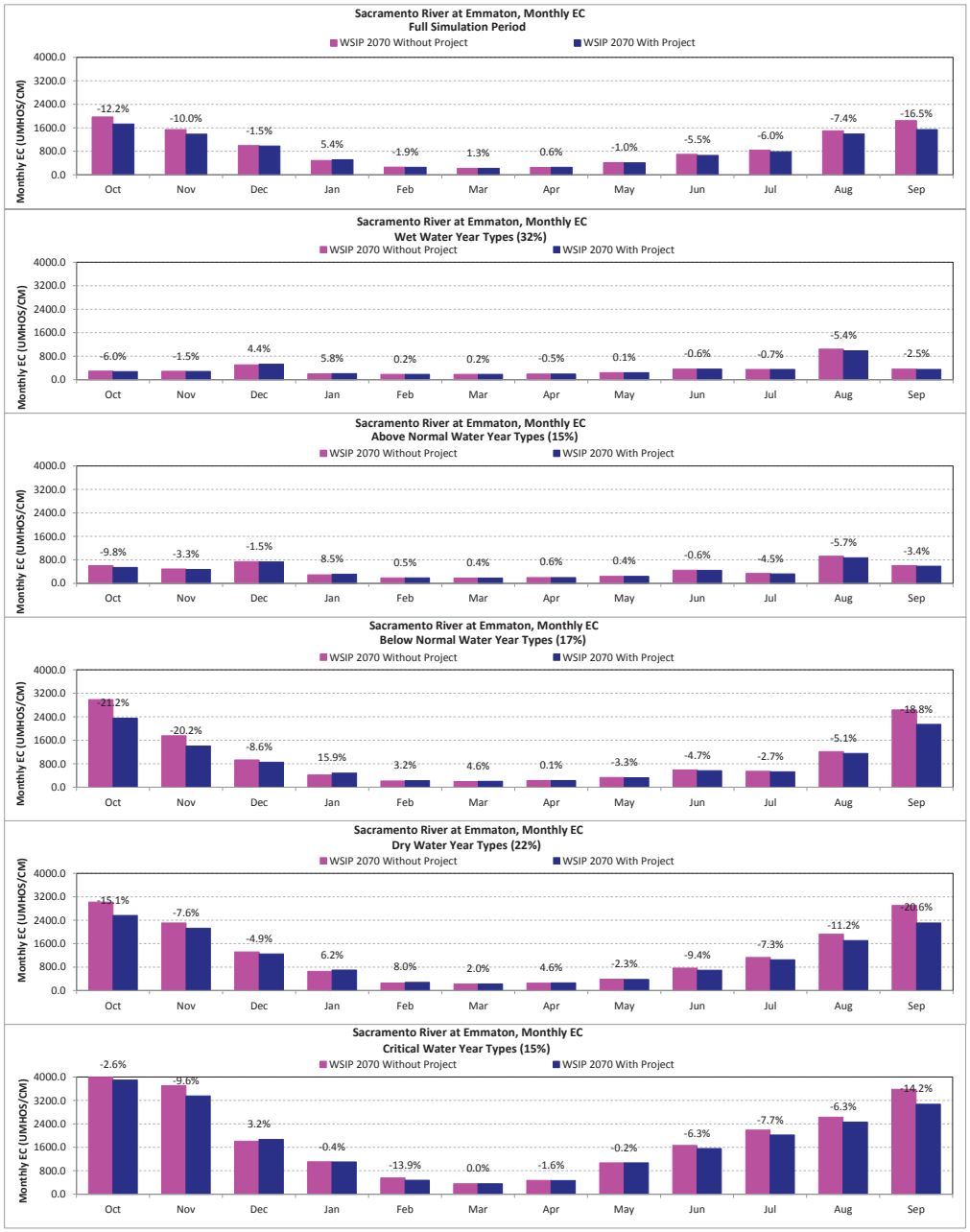


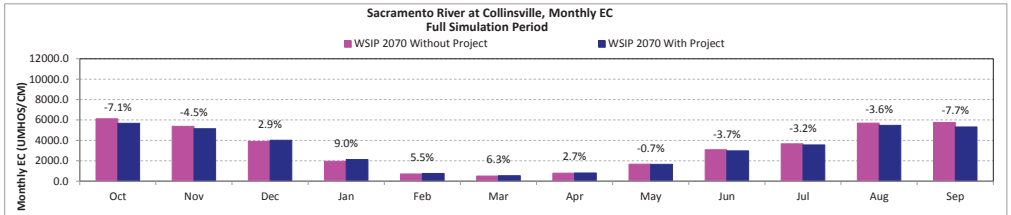
Table SQ-22-a
Sacramento River at Collinsville, Monthly EC
Long-term Average and Average by Water Year Type

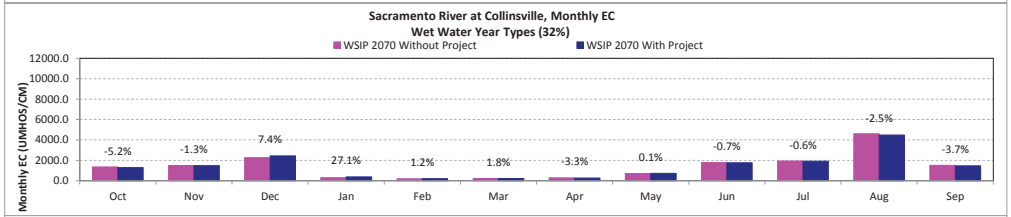
Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	6113.9	5381.9	3899.2	1949.6	715.5	510.7	787.3	1670.3	3085.5	3664.9	5685.7	5758.9
WSIP 2070 With Project	5679.1	5140.7	4011.8	2125.7	754.7	542.7	808.7	1657.9	2970.5	3549.4	5479.1	5317.0
Difference	-434.8	-241.1	112.6	176.2	39.2	32.0	21.4	-12.4	-115.0	-115.5	-206.6	-442.0
Percent Difference[3]	-7.1%	-4.5%	2.9%	9.0%	5.5%	6.3%	2.7%	-0.7%	-3.7%	-3.2%	-3.6%	-7.7%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	1354.0	1490.7	2263.5	298.2	193.4	215.2	280.2	712.2	1775.4	1934.2	4597.0	1512.8
WSIP 2070 With Project	1283.3	1471.8	2430.4	379.0	195.7	219.1	270.8	713.0	1763.6	1922.5	4480.0	1456.7
Difference	-70.7	-18.9	166.9	80.8	2.3	3.9	-9.4	0.7	-11.8	-11.7	-117.0	-56.1
Percent Difference	-5.2%	-1.3%	7.4%	27.1%	1.2%	1.8%	-3.3%	0.1%	-0.7%	-0.6%	-2.5%	-3.7%
Above Normal (13.4%)												
WSIP 2070 Without Project	3083.5	2799.9	3464.6	937.6	223.0	218.9	320.5	802.4	2331.2	1904.4	4231.6	3100.0
WSIP 2070 With Project	2916.9	2746.6	3497.6	1094.0	230.4	229.6	329.8	808.4	2318.1	1805.0	4092.1	3001.1
Difference	-166.6	-53.4	33.0	156.4	7.5	10.7	9.4	6.0	-13.1	-99.4	-139.5	-98.8
Percent Difference	-5.4%	-1.9%	1.0%	16.7%	3.3%	4.9%	2.9%	0.7%	-0.6%	-5.2%	-3.3%	-3.2%
Below Normal (15.9%)												
WSIP 2070 Without Project	9204.4	6672.5	3687.6	1772.3	451.4	361.9	688.1	1473.3	2948.9	3080.1	5125.6	8258.3
WSIP 2070 With Project	8147.7	6034.2	3592.9	2146.0	528.5	437.8	696.6	1437.8	2861.3	3012.8	5016.2	7548.4
Difference	-1056.7	-638.3	-94.7	373.7	77.2	75.9	8.5	-35.5	-87.6	-67.3	-109.4	-709.8
Percent Difference	-11.5%	-9.6%	-2.6%	21.1%	17.1%		1.2%	-2.4%	-3.0%	-2.2%	-2.1%	-8.6%
Dry (24.4%)												
WSIP 2070 Without Project	9162.3	7925.2	4824.7	3134.5	869.3	526.8	862.0	1934.0	3642.4	5039.1	6734.0	8775.5
WSIP 2070 With Project	8351.3	7759.6	4800.0	3336.4	1031.4	590.0	965.6	1908.1	3397.5	4863.6	6377.1	7940.9
Difference	-811.0	-165.6	-24.7	201.9	162.1	63.2	103.6	-25.9	-244.9	-175.5	-356.9	-834.7
Percent Difference	-8.9%	-2.1%	-0.5%	6.4%	18.7%	12.0%	12.0%	-1.3%	-6.7%	-3.5%	-5.3%	-9.5%
Critical (14.6%)												
WSIP 2070 Without Project	10776.1	10542.1	6528.0	4672.5	2327.9	1552.9	2297.1	4315.4	5835.5	7371.8	8237.1	9660.9
WSIP 2070 With Project	10607.2	9951.9	7049.6	4816.5	2230.1	1565.4	2272.9	4305.4	5590.2	7064.6	7920.0	9013.1
Difference	-168.9	-590.2	521.5	144.1	-97.8	12.5	-24.2	-10.0	-245.3	-307.1	-317.1	-647.9
Percent Difference	-1.6%	-5.6%	8.0%	3.1%	-4.2%	0.8%	-1.1%	-0.2%	-4.2%	-4.2%	-3.9%	-6.7%

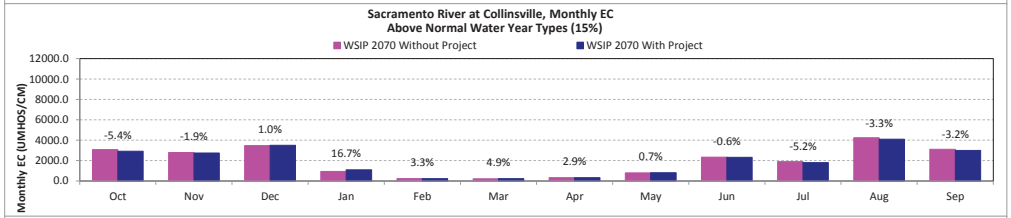
1 Based on the 82-year simulation period

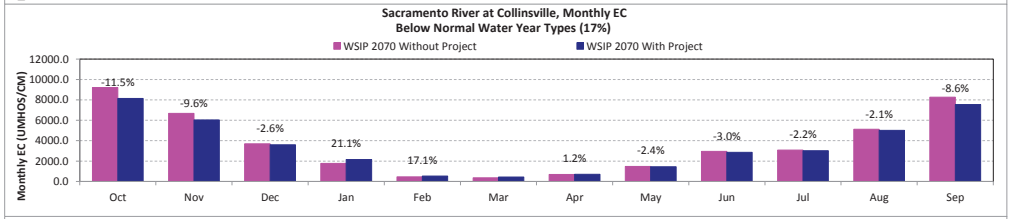
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

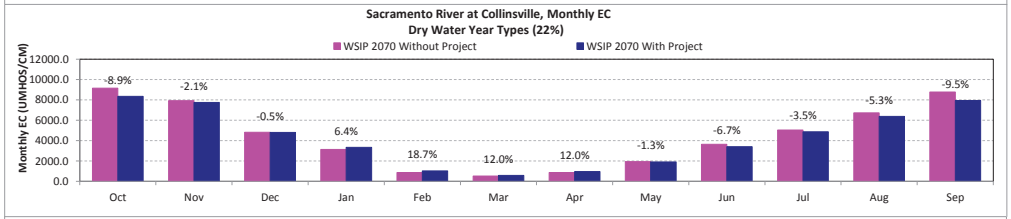
3 Relative difference of the monthly average











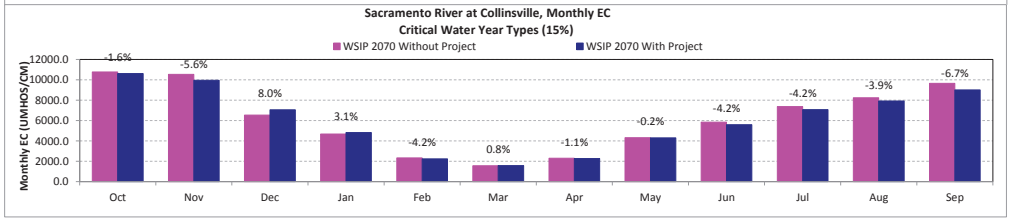


Table SQ-23-a
Sacramento River at Mallard Slough (Chipps Island)), Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	8988.3	8216.3	6251.6	3371.1	1312.9	1007.7	1617.6	3209.2	5502.9	6389.0	8958.1	8634.6
WSIP 2070 With Project	8567.8	8013.4	6464.5	3683.1	1434.2	1091.6	1667.8	3199.7	5357.0	6251.5	8753.6	8222.6
Difference	-420.5	-202.9	212.9	312.0	121.3	83.9	50.2	-9.6	-145.9	-137.4	-204.5	-412.0
Percent Difference[3]	-4.7%	-2.5%	3.4%	9.3%	9.2%	8.3%	3.1%	-0.3%	-2.7%	-2.2%	-2.3%	-4.8%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	2956.1	3262.4	3948.9	476.4	225.1	296.5	494.6	1493.4	3591.3	4036.0	7628.5	3098.9
WSIP 2070 With Project	2856.3	3242.7	4226.8	624.3	231.2	307.4	477.1	1496.5	3571.6	4017.6	7516.9	3012.8
Difference	-99.8	-19.7	277.9	147.9	6.1	10.9	-17.5	3.1	-19.7	-18.4	-111.7	-86.1
Percent Difference	-3.4%	-0.6%	7.0%	31.0%		3.7%	-3.5%	0.2%	-0.5%	-0.5%	-1.5%	-2.8%
Above Normal (13.4%)												
WSIP 2070 Without Project	5652.9	5325.5	5893.9	1710.7	294.7	326.5	646.6	1836.2	4536.8	4051.1	7176.4	5813.4
WSIP 2070 With Project	5464.4	5270.1	6003.0	1995.2	316.9	362.4	674.5	1850.6	4518.2	3893.5	7011.8	5680.4
Difference	-188.5	-55.4	109.1	284.5	22.2	35.8	27.9	14.4	-18.6	-157.6	-164.6	-133.1
Percent Difference	-3.3%	-1.0%	1.9%	16.6%			4.3%	0.8%	-0.4%	-3.9%	-2.3%	-2.3%
Below Normal (15.9%)												
WSIP 2070 Without Project	12913.0	9989.6	5935.4	3305.4	902.6	782.5	1536.8	3033.5	5434.3	5851.0	8368.0	11883.7
WSIP 2070 With Project	11944.5	9464.6	5911.4	3947.7	1091.5	943.1	1568.8	3003.3	5326.4	5759.1	8268.5	11258.0
Difference	-968.5	-525.1	-24.0	642.2	188.9	160.6	32.0	-30.2	-107.9	-92.0	-99.5	-625.7
Percent Difference	-7.5%	-5.3%	-0.4%	19.4%	20.9%	20.5%	2.1%	-1.0%	-2.0%	-1.6%	-1.2%	-5.3%
Dry (24.4%)												
WSIP 2070 Without Project	12801.7	11450.2	7407.2	5516.7	1775.5	1129.0	1948.9	3924.5	6421.3	8351.7	10256.8	12449.6
WSIP 2070 With Project	12033.5	11353.7	7446.9	5863.7	2112.7	1305.4	2157.1	3901.7	6098.7	8152.6	9908.4	11696.8
Difference	-768.2	-96.5	39.7	346.9	337.2	176.4	208.2	-22.7	-322.6	-199.1	-348.4	-752.8
Percent Difference	-6.0%	-0.8%	0.5%	6.3%	19.0%	15.6%	10.7%	-0.6%	-5.0%	-2.4%	-3.4%	-6.0%
Critical (14.6%)												
WSIP 2070 Without Project	14508.0	14288.8	9985.1	7660.1	4276.5	3215.0	4476.5	7183.8	9074.0	10941.6	11946.8	13336.7
WSIP 2070 With Project	14353.3	13725.5	10698.1	7936.8	4305.0	3263.6	4449.9	7169.2	8791.6	10618.5	11630.5	12762.4
Difference	-154.8	-563.3	713.0	276.7	28.5	48.6	-26.6	-14.5	-282.4	-323.1	-316.2	-574.3
Percent Difference	-1.1%	-3.9%	7.1%	3.6%	0.7%	1.5%	-0.6%	-0.2%	-3.1%	-3.0%	-2.6%	-4.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

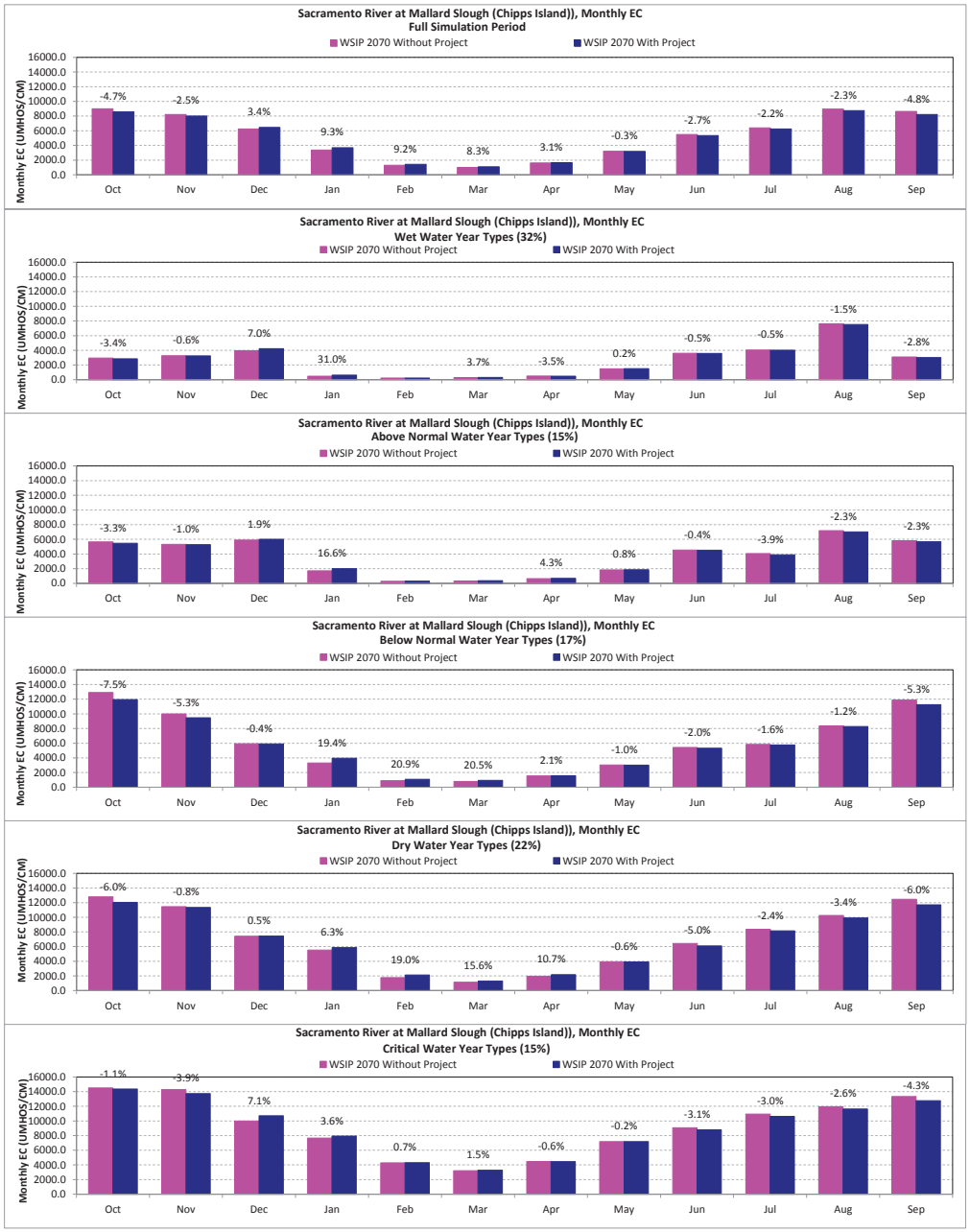


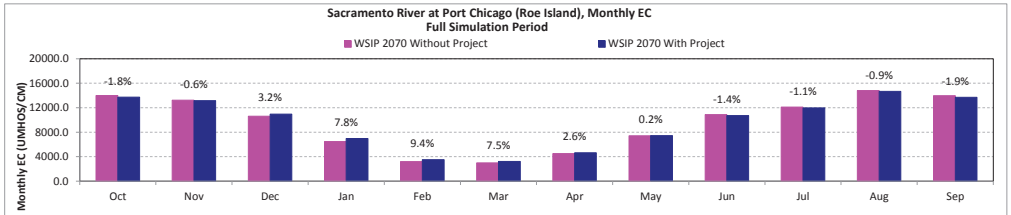
Table SQ-24-a
Sacramento River at Port Chicago (Roe Island), Monthly EC
Long-term Average and Average by Water Year Type

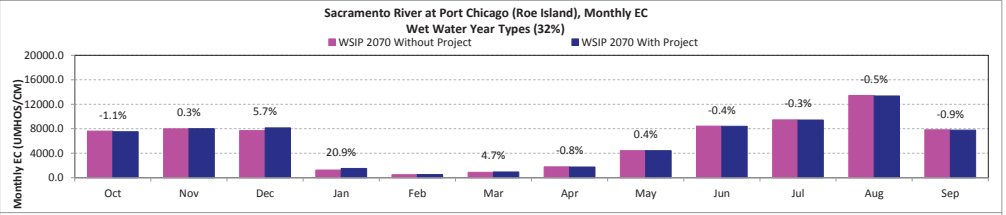
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly EC (UMHOS/CM)											
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	13984.7	13228.8	10619.9	6477.9	3208.5	2999.2	4522.8	7421.8	10874.6	12116.3	14803.4	13974.5
WSIP 2070 With Project	13735.1	13150.2	10957.6	6985.4	3508.7	3223.6	4639.8	7433.4	10720.9	11977.0	14664.1	13710.8
Difference	-249.6	-78.6	337.7	507.5	300.2	224.4	117.0	11.5	-153.6	-139.3	-139.3	-263.6
Percent Difference[3]	-1.8%	-0.6%	3.2%	7.8%	9.4%	7.5%	2.6%	0.2%	-1.4%	-1.1%	-0.9%	-1.9%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	7607.4	7995.9	7699.3	1244.9	503.4	890.4	1774.5	4418.7	8427.8	9445.7	13424.4	7839.0
WSIP 2070 With Project	7526.8	8016.2	8135.3	1504.9	528.9	931.8	1760.3	4434.9	8394.7	9419.8	13363.5	7767.0
Difference	-80.6	20.3	436.0	260.0	25.5	41.4	-14.1	16.1	-33.1	-25.9	-60.9	-72.0
Percent Difference	-1.1%	0.3%	5.7%	20.9%		4.7%	-0.8%	0.4%	-0.4%	-0.3%	-0.5%	-0.9%
Above Normal (13.4%)												
WSIP 2070 Without Project	11056.3	10611.8	10587.5	3904.8	798.7	1183.4	2613.6	5552.1	9856.0	9591.7	12950.9	11734.2
WSIP 2070 With Project	10937.6	10605.8	10844.7	4385.1	885.6	1315.3	2720.0	5596.4	9835.2	9380.8	12799.5	11635.1
Difference	-118.7	-6.0	257.2	480.2	86.9	131.9	106.4	44.3	-20.8	-210.9	-151.3	-99.0
Percent Difference	-1.1%	-0.1%	2.4%	12.3%	10.9%	11.1%	4.1%	0.8%	-0.2%	-2.2%	-1.2%	-0.8%
Below Normal (15.9%)												
WSIP 2070 Without Project	18118.7	15151.1	10114.9	7115.8	2996.2	2986.8	4785.1	7498.6	10979.0	11816.6	14337.2	17497.4
WSIP 2070 With Project	17593.5	14995.6	10265.9	8102.9	3461.1	3346.5	4888.5	7519.7	10877.7	11711.0	14281.8	17128.3
Difference	-525.2	-155.6	151.0	987.1	464.9	359.7	103.4	21.0	-101.3	-105.6	-55.4	-369.1
Percent Difference	-2.9%	-1.0%	1.5%	13.9%	15.5%	12.0%	2.2%	0.3%	-0.9%	-0.9%	-0.4%	-2.1%
Dry (24.4%)												
WSIP 2070 Without Project	17913.9	16634.9	11787.8	10355.8	4742.4	3786.4	5834.7	9052.2	12168.3	14411.9	16164.3	18010.0
WSIP 2070 With Project	17445.2	16640.2	11924.6	10939.9	5417.7	4271.5	6214.0	9050.7	11816.1	14217.7	15920.9	17522.0
Difference	-468.7	5.3	136.9	584.1	675.4	485.1	379.3	-1.5	-352.3	-194.2	-243.4	-488.0
Percent Difference	-2.6%	0.0%	1.2%	5.6%	14.2%	12.8%	6.5%	0.0%	-2.9%	-1.3%	-1.5%	-2.7%
Critical (14.6%)												
WSIP 2070 Without Project	19459.5	19206.4	15578.0	13020.5	8952.4	7934.3	9756.9	12842.1	14840.1	16715.5	17726.1	18779.3
WSIP 2070 With Project	19387.2	18790.2	16313.6	13442.1	9239.5	8058.9	9745.5	12825.1	14578.0	16450.9	17510.5	18437.9
Difference	-72.3	-416.2	735.7	421.6	287.1	124.6	-11.4	-17.0	-262.0	-264.6	-215.6	-341.5
Percent Difference	-0.4%	-2.2%	4.7%	3.2%	3.2%	1.6%	-0.1%	-0.1%	-1.8%	-1.6%	-1.2%	-1.8%

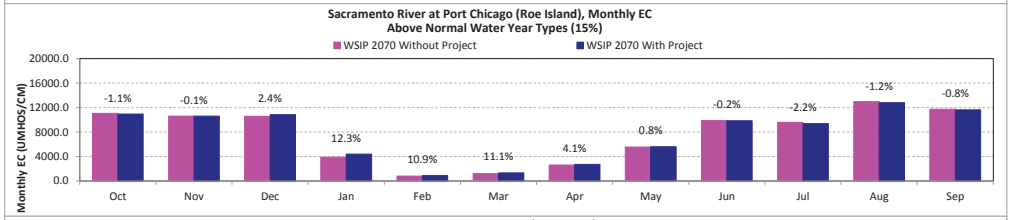
1 Based on the 82-year simulation period

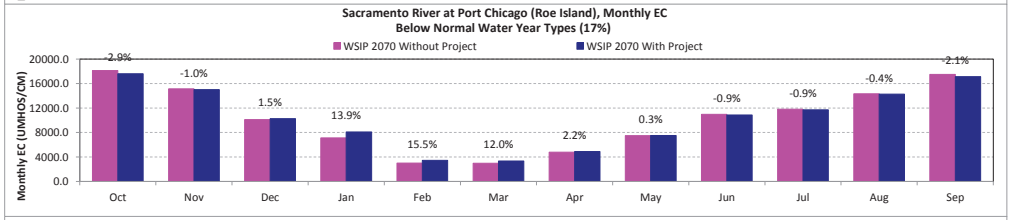
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

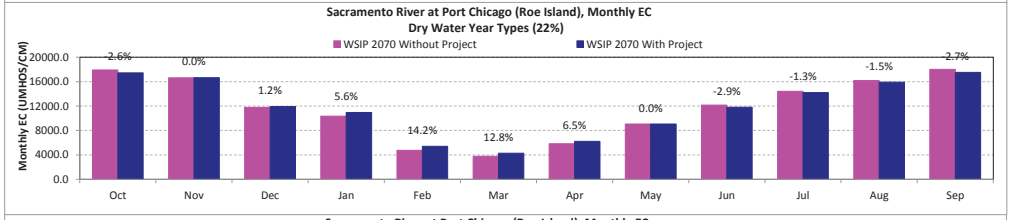
3 Relative difference of the monthly average











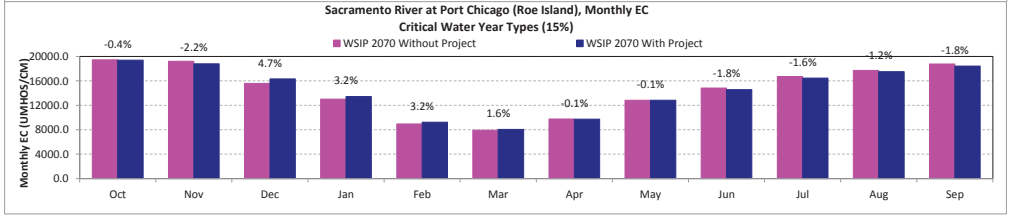


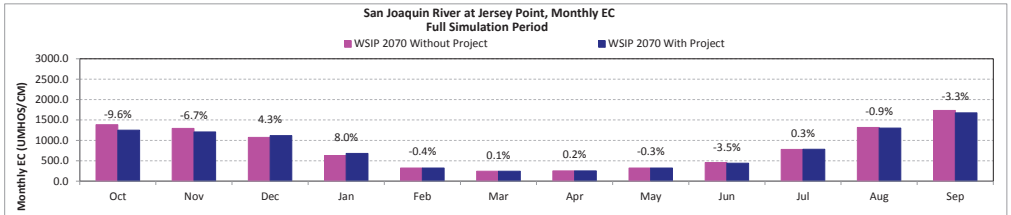
Table SQ-25-a
San Joaquin River at Jersey Point, Monthly EC
Long-term Average and Average by Water Year Type

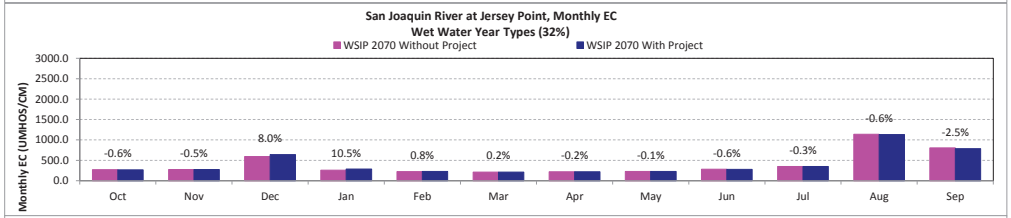
Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	1383.3	1292.0	1072.0	630.5	323.6	244.1	251.8	322.9	456.2	779.2	1315.9	1734.5
WSIP 2070 With Project	1250.9	1205.8	1118.2	680.7	322.2	244.3	252.4	321.9	440.0	781.7	1303.4	1676.7
Difference	-132.5	-86.2	46.2	50.2	-1.4	0.2	0.6	-1.0	-16.1	2.5	-12.5	-57.8
Percent Difference[3]	-9.6%	-6.7%	4.3%	8.0%	-0.4%	0.1%	0.2%	-0.3%	-3.5%	0.3%	-0.9%	-3.3%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	269.1	273.9	591.3	257.5	224.2	212.8	218.4	227.9	280.4	349.8	1137.7	806.3
WSIP 2070 With Project	267.5	272.7	638.7	284.6	226.0	213.2	218.0	227.7	278.7	348.9	1130.6	786.5
Difference	-1.6	-1.3	47.4	27.1	1.8	0.5	-0.4	-0.2	-1.7	-0.9	-7.1	-19.8
Percent Difference	-0.6%	-0.5%	8.0%	10.5%	0.8%	0.2%	-0.2%	-0.1%	-0.6%	-0.3%	-0.6%	-2.5%
Above Normal (13.4%)												
WSIP 2070 Without Project	426.3	544.5	917.5	427.0	242.3	208.2	218.8	239.6	338.8	364.8	1005.1	878.3
WSIP 2070 With Project	410.7	556.0	916.5	471.4	245.5	210.0	220.1	240.2	338.1	385.9	1012.9	852.3
Difference	-15.6	11.4	-1.0	44.4	3.2	1.8	1.3	0.5	-0.6	21.1	7.8	-26.0
Percent Difference	-3.6%	2.1%	-0.1%	10.4%	1.3%	0.9%	0.6%	0.2%	-0.2%	5.8%	0.8%	-3.0%
Below Normal (15.9%)												
WSIP 2070 Without Project	2180.8	1817.4	1163.0	656.6	267.8	225.7	233.9	282.7	402.3	672.0	1244.1	2524.9
WSIP 2070 With Project	1837.8	1504.3	1207.6	762.1	283.2	232.7	236.8	280.2	395.1	674.5	1268.7	2467.9
Difference	-343.0	-313.2	44.6	105.5	15.4	7.0	2.9	-2.6	-7.2	2.5	24.6	-57.0
Percent Difference	-15.7%	-17.2%	3.8%	16.1%	5.8%	3.1%	1.2%	-0.9%	-1.8%	0.4%	2.0%	-2.3%
Dry (24.4%)												
WSIP 2070 Without Project	2122.6	1949.2	1327.6	839.8	355.4	249.8	259.1	312.4	483.5	1115.0	1417.7	2457.0
WSIP 2070 With Project	1905.7	1979.2	1362.9	901.8	375.6	255.3	261.7	310.4	453.1	1146.0	1436.0	2418.2
Difference	-216.9	30.0	35.3	62.0	20.1	5.5	2.5	-2.0	-30.4	31.0	18.3	-38.8
Percent Difference	-10.2%	1.5%	2.7%	7.4%	5.7%	2.2%	1.0%	-0.6%	-6.3%	2.8%	1.3%	-1.6%
Critical (14.6%)												
WSIP 2070 Without Project	2578.8	2518.2	1730.6	1248.1	621.1	355.5	361.7	666.2	957.4	1646.0	1895.1	2470.1
WSIP 2070 With Project	2424.3	2210.9	1837.0	1273.9	554.2	337.4	358.2	665.6	910.0	1591.2	1760.7	2268.1
Difference	-154.5	-307.4	106.4	25.8	-66.9	-18.1	-3.5	-0.6	-47.4	-54.8	-134.4	-202.1
Percent Difference	-6.0%	-12.2%	6.1%	2.1%	-10.8%	-5.1%	-1.0%	-0.1%	-5.0%	-3.3%	-7.1%	-8.2%

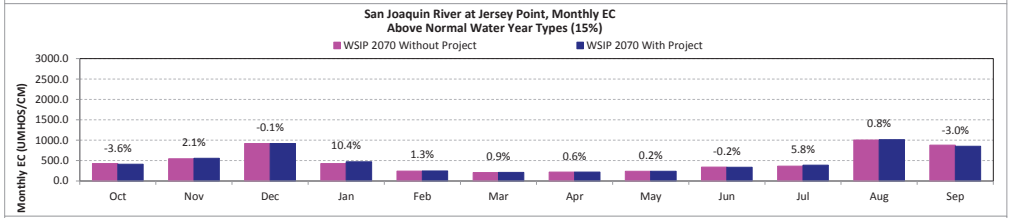
1 Based on the 82-year simulation period

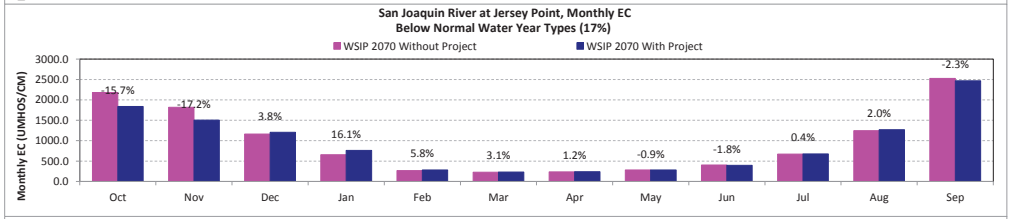
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

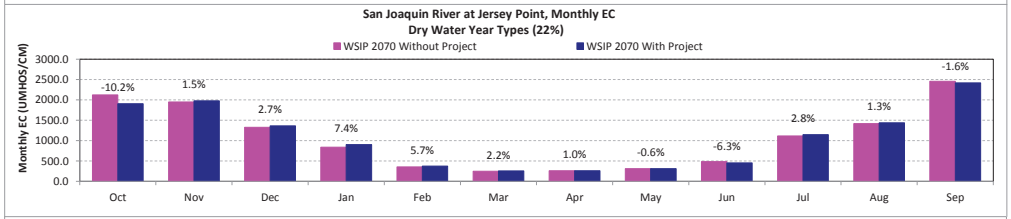
3 Relative difference of the monthly average











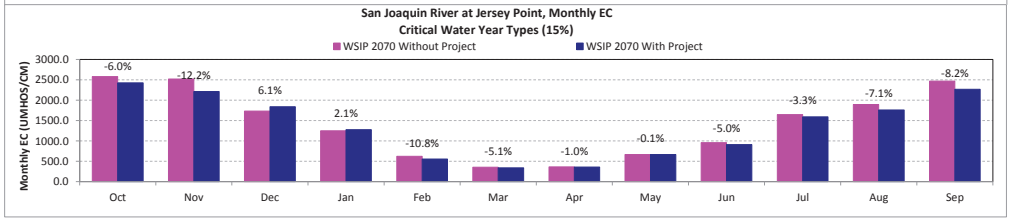


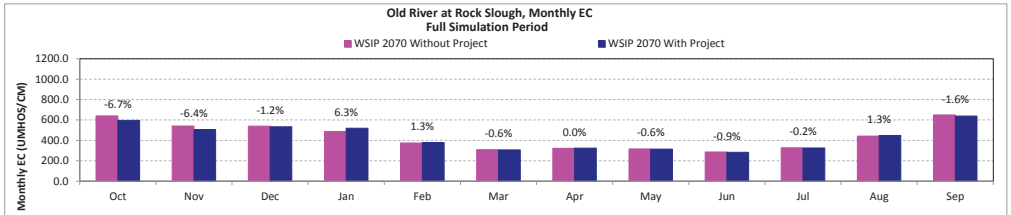
Table SQ-27-a
Old River at Rock Slough, Monthly EC
Long-term Average and Average by Water Year Type

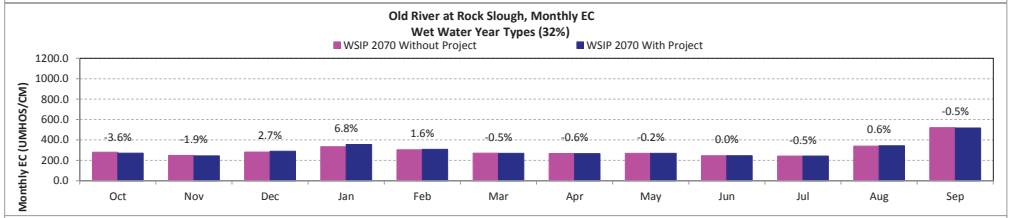
Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	639.3	541.0	539.9	487.7	374.7	308.2	323.2	316.9	286.6	326.5	442.8	649.4
WSIP 2070 With Project	596.7	506.3	533.7	518.4	379.4	306.4	323.3	315.1	283.9	325.8	448.5	639.0
Difference	-42.7	-34.7	-6.2	30.7	4.7	-1.8	0.1	-1.8	-2.7	-0.7	5.7	-10.3
Percent Difference[3]	-6.7%	-6.4%	-1.2%	6.3%	1.3%	-0.6%	0.0%	-0.6%	-0.9%	-0.2%	1.3%	-1.6%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	280.1	248.0	281.0	332.6	302.5	270.0	267.6	269.0	244.6	242.5	339.8	519.4
WSIP 2070 With Project	270.1	243.4	288.6	355.1	307.2	268.6	266.1	268.6	244.7	241.3	341.7	517.0
Difference	-10.0	-4.6	7.6	22.5	4.8	-1.4	-1.5	-0.4	0.1	-1.2	1.9	-2.4
Percent Difference	-3.6%	-1.9%	2.7%	6.8%	1.6%	-0.5%	-0.6%	-0.2%	0.0%	-0.5%	0.6%	-0.5%
Above Normal (13.4%)												
WSIP 2070 Without Project	260.3	281.3	378.2	414.8	324.8	251.4	301.5	321.6	257.4	242.8	312.7	449.9
WSIP 2070 With Project	252.8	276.0	375.6	455.9	329.1	255.3	303.5	321.6	257.2	252.9	323.2	453.0
Difference	-7.5	-5.3	-2.5	41.1	4.2	3.9	1.9	0.0	-0.2	10.1	10.5	3.1
Percent Difference	-2.9%	-1.9%	-0.7%	9.9%	1.3%	1.6%	0.6%	0.0%	-0.1%	4.2%	3.4%	0.7%
Below Normal (15.9%)												
WSIP 2070 Without Project	927.1	695.8	659.6	557.0	358.4	283.5	321.1	323.7	271.6	291.6	394.6	788.5
WSIP 2070 With Project	837.2	593.6	618.6	621.4	373.5	290.1	325.8	319.6	266.6	291.9	407.2	798.1
Difference	-89.9	-102.2	-41.0	64.5	15.1	6.6	4.7	-4.0	-5.0	0.3	12.5	9.6
Percent Difference	-9.7%	-14.7%	-6.2%	11.6%	4.2%	2.3%	1.5%	-1.2%	-1.8%	0.1%	3.2%	1.2%
Dry (24.4%)												
WSIP 2070 Without Project	903.2	703.1	672.2	523.3	409.7	343.4	380.4	343.2	289.1	376.7	516.3	742.3
WSIP 2070 With Project	857.4	690.3	707.6	561.6	423.3	342.9	380.0	340.2	283.8	381.6	540.0	737.4
Difference	-45.7	-12.8	35.3	38.4	13.6	-0.5	-0.4	-3.0	-5.3	4.9	23.7	-5.0
Percent Difference	-5.1%	-1.8%	5.3%	7.3%	3.3%	-0.1%	-0.1%	-0.9%	-1.8%	1.3%	4.6%	-0.7%
Critical (14.6%)												
WSIP 2070 Without Project	1013.5	976.2	898.8	756.0	535.8	411.2	370.6	365.5	416.5	539.6	714.6	808.1
WSIP 2070 With Project	924.1	886.0	827.5	745.5	514.8	391.8	368.5	363.2	412.4	519.8	686.8	737.8
Difference	-89.4	-90.1	-71.3	-10.5	-21.1	-19.4	-2.2	-2.3	-4.2	-19.8	-27.8	-70.3
Percent Difference	-8.8%	-9.2%	-7.9%	-1.4%	-3.9%	-4.7%	-0.6%	-0.6%	-1.0%	-3.7%	-3.9%	-8.7%

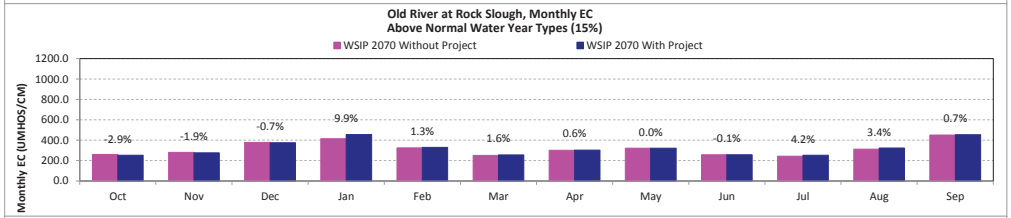
1 Based on the 82-year simulation period

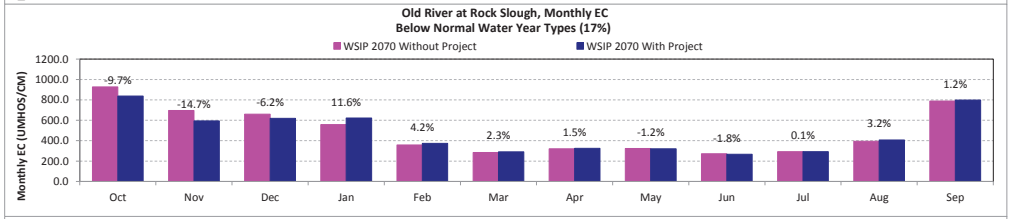
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

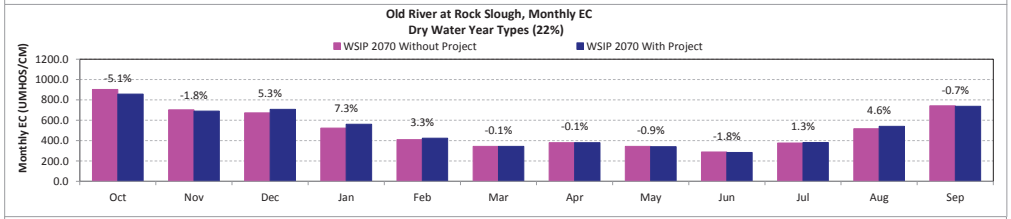
3 Relative difference of the monthly average











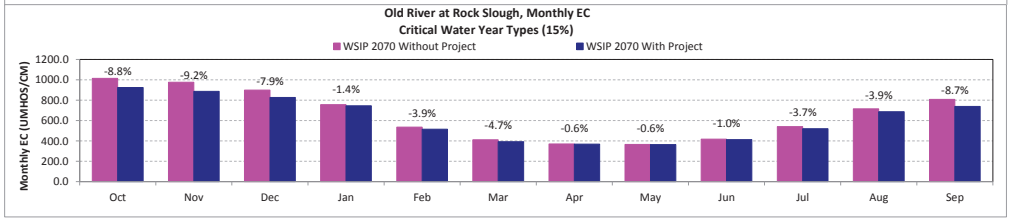


Table SQ-28-a
North Bay Aqueduct Intake (Barker Slough), Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	190.5	192.5	197.0	211.2	221.1	215.7	208.7	203.1	197.6	191.2	189.8	190.8
WSIP 2070 With Project	189.3	191.4	196.5	211.5	222.0	216.1	208.7	202.6	196.9	190.8	189.4	190.0
Difference	-1.2	-1.1	-0.5	0.3	0.9	0.3	0.1	-0.6	-0.7	-0.4	-0.4	-0.8
Percent Difference[3]	-0.6%	-0.6%	-0.3%	0.1%	0.4%	0.2%	0.0%	-0.3%	-0.3%	-0.2%	-0.2%	-0.4%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	187.5	191.3	194.6	216.4	224.0	212.1	201.8	195.6	193.1	188.9	188.4	188.9
WSIP 2070 With Project	187.2	190.8	194.5	216.9	225.2	212.6	202.1	195.7	192.9	188.7	188.2	188.5
Difference	-0.3	-0.5	-0.2	0.6	1.2	0.5	0.3	0.1	-0.1	-0.2	-0.2	-0.4
Percent Difference	-0.2%	-0.2%	-0.1%	0.3%	0.5%	0.2%	0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.2%
Above Normal (13.4%)												
WSIP 2070 Without Project	187.7	190.0	195.8	211.9	221.8	211.2	199.3	194.3	191.4	188.1	187.9	188.9
WSIP 2070 With Project	187.5	189.7	196.0	212.4	222.5	211.9	199.7	194.4	191.3	188.0	187.7	188.7
Difference	-0.2	-0.3	0.2	0.5	0.7	0.7	0.5	0.1	0.0	-0.2	-0.2	-0.2
Percent Difference	-0.1%	-0.2%	0.1%	0.2%	0.3%	0.3%	0.2%	0.1%	0.0%	-0.1%	-0.1%	-0.1%
Below Normal (15.9%)												
WSIP 2070 Without Project	189.3	191.0	195.1	211.0	217.4	209.2	205.8	196.8	192.6	188.9	188.6	189.5
WSIP 2070 With Project	188.1	189.6	194.4	211.5	218.6	210.8	205.1	196.3	192.2	188.6	188.4	189.0
Difference	-1.2	-1.4	-0.7	0.5	1.2	1.5	-0.7	-0.5	-0.4	-0.3	-0.2	-0.5
Percent Difference	-0.6%	-0.7%	-0.4%	0.2%	0.6%	0.7%	-0.4%	-0.2%	-0.2%	-0.2%	-0.1%	-0.3%
Dry (24.4%)												
WSIP 2070 Without Project	192.2	193.2	197.2	208.1	221.9	223.9	217.6	208.5	194.5	190.2	188.8	191.4
WSIP 2070 With Project	190.5	191.9	196.5	208.5	222.2	224.2	218.0	208.0	193.8	190.0	188.2	189.7
Difference	-1.7	-1.3	-0.7	0.4	0.3	0.3	0.4	-0.6	-0.7	-0.3	-0.6	-1.7
Percent Difference	-0.9%	-0.7%	-0.4%	0.2%	0.1%	0.1%	0.2%	-0.3%	-0.3%	-0.2%	-0.3%	-0.9%
Critical (14.6%)												
WSIP 2070 Without Project	198.2	197.9	205.2	204.6	216.6	221.2	220.2	225.3	223.7	202.9	197.7	197.2
WSIP 2070 With Project	195.1	195.6	203.8	203.6	217.7	219.6	219.9	222.6	220.9	201.5	196.7	196.0
Difference	-3.1	-2.3	-1.4	-1.0	1.0	-1.5	-0.4	-2.6	-2.9	-1.5	-1.0	-1.2
Percent Difference	-1.6%	-1.2%	-0.7%	-0.5%	0.5%	-0.7%	-0.2%	-1.2%	-1.3%	-0.7%	-0.5%	-0.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SQ-29-a
Old River at Los Vaqueros Intake, Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	583.2	511.4	510.8	518.0	451.6	392.3	365.4	373.9	339.0	334.5	398.6	563.1
WSIP 2070 With Project	553.8	484.3	502.9	541.7	456.6	390.5	366.1	372.8	336.2	331.7	403.7	560.9
Difference	-29.5	-27.1	-7.8	23.7	5.0	-1.8	0.8	-1.1	-2.8	-2.8	5.0	-2.3
Percent Difference[3]	-5.1%	-5.3%	-1.5%	4.6%	1.1%	-0.5%	0.2%	-0.3%	-0.8%	-0.8%	1.3%	-0.4%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	340.2	304.6	298.3	393.4	341.5	295.2	250.5	278.5	287.8	287.1	318.4	485.9
WSIP 2070 With Project	327.1	297.7	301.4	411.7	345.6	294.6	249.3	278.3	288.4	286.0	319.1	485.4
Difference	-13.1	-6.9	3.1	18.3	4.1	-0.5	-1.2	-0.2	0.6	-1.0	0.7	-0.4
Percent Difference	-3.9%	-2.2%	1.0%	4.7%	1.2%	-0.2%	-0.5%	-0.1%	0.2%	-0.4%	0.2%	-0.1%
Above Normal (13.4%)												
WSIP 2070 Without Project	300.3	309.2	371.1	465.0	395.4	309.0	303.8	351.2	308.1	277.4	292.6	422.9
WSIP 2070 With Project	292.8	301.7	367.4	502.4	399.8	315.5	304.8	351.2	307.8	282.6	300.8	427.6
Difference	-7.4	-7.5	-3.7	37.4	4.4	6.5	0.9	-0.1	-0.2	5.3	8.1	4.7
Percent Difference	-2.5%	-2.4%	-1.0%	8.1%	1.1%	2.1%	0.3%	0.0%	-0.1%	1.9%	2.8%	1.1%
Below Normal (15.9%)												
WSIP 2070 Without Project	793.2	628.5	610.4	581.9	473.4	382.8	362.5	382.9	330.6	293.4	354.3	650.9
WSIP 2070 With Project	740.3	550.2	573.0	625.6	491.2	392.7	364.8	379.5	322.0	291.8	363.5	667.9
Difference	-52.8	-78.3	-37.3	43.7	17.7	9.9	2.3	-3.4	-8.7	-1.6	9.2	17.0
Percent Difference	-6.7%	-12.5%	-6.1%	7.5%	3.7%	2.6%	0.6%	-0.9%	-2.6%	-0.5%	2.6%	2.6%
Dry (24.4%)												
WSIP 2070 Without Project	772.8	630.2	614.9	542.5	506.4	470.4	456.9	441.1	359.9	361.1	460.2	621.3
WSIP 2070 With Project	746.6	617.3	646.5	574.1	519.3	466.6	461.5	440.6	354.8	359.0	480.5	623.3
Difference	-26.2	-12.9	31.5	31.5	12.9	-3.8	4.5	-0.5	-5.2	-2.1	20.3	2.0
Percent Difference	-3.4%	-2.0%	5.1%	5.8%	2.5%	-0.8%	1.0%	-0.1%	-1.4%	-0.6%	4.4%	0.3%
Critical (14.6%)												
WSIP 2070 Without Project	825.7	820.3	817.7	726.3	626.8	559.1	521.0	479.7	452.4	489.9	615.0	667.1
WSIP 2070 With Project	760.6	762.9	748.8	714.4	607.4	537.7	518.1	477.5	449.9	473.5	596.7	626.4
Difference	-65.1	-57.4	-68.9	-11.9	-19.4	-21.4	-2.9	-2.2	-2.5	-16.5	-18.3	-40.7
Percent Difference	-7.9%	-7.0%	-8.4%	-1.6%	-3.1%	-3.8%	-0.6%	-0.5%	-0.5%	-3.4%	-3.0%	-6.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

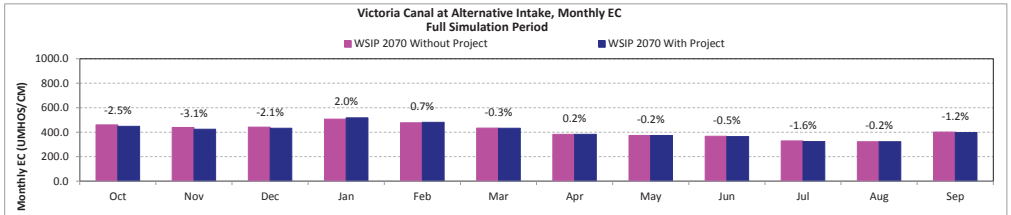
Table SQ-30-a
Victoria Canal at Alternative Intake, Monthly EC
Long-term Average and Average by Water Year Type

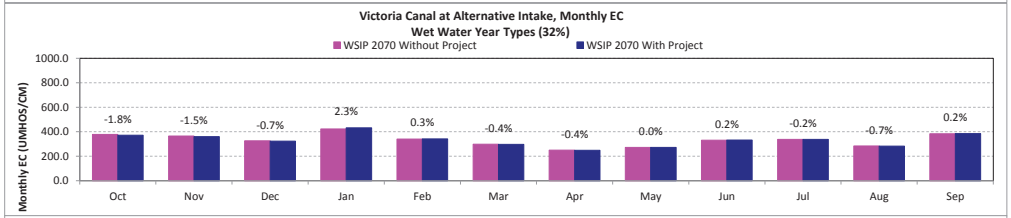
Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	460.2	438.5	441.8	507.4	477.4	434.1	382.5	374.0	367.0	328.5	322.8	401.6
WSIP 2070 With Project	448.5	425.2	432.7	517.3	480.5	432.9	383.4	373.1	365.0	323.3	322.3	396.9
Difference	-11.6	-13.4	-9.1	9.9	3.1	-1.2	0.9	-0.8	-1.9	-5.2	-0.5	-4.7
Percent Difference[3]	-2.5%	-3.1%	-2.1%	2.0%	0.7%	-0.3%	0.2%	-0.2%	-0.5%	-1.6%	-0.2%	-1.2%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	378.0	365.3	325.8	422.6	340.9	298.8	249.9	272.8	331.2	338.3	284.7	384.2
WSIP 2070 With Project	371.4	359.8	323.5	432.2	341.8	297.6	249.0	272.8	331.9	337.8	282.7	385.1
Difference	-6.6	-5.5	-2.3	9.6	0.9	-1.1	-0.9	0.1	0.8	-0.5	-1.9	0.9
Percent Difference	-1.8%	-1.5%	-0.7%	2.3%	0.3%	-0.4%	-0.4%	0.0%	0.2%	-0.2%	-0.7%	0.2%
Above Normal (13.4%)												
WSIP 2070 Without Project	340.9	353.5	358.2	482.6	426.3	338.1	307.6	343.5	350.6	310.3	259.1	334.6
WSIP 2070 With Project	337.4	346.0	353.3	501.1	428.4	340.5	308.2	343.3	350.3	310.8	261.6	337.4
Difference	-3.5	-7.5	-4.9	18.5	2.2	2.5	0.7	-0.2	-0.3	0.5	2.5	2.8
Percent Difference	-1.0%	-2.1%	-1.4%	3.8%	0.5%	0.7%	0.2%	-0.1%	-0.1%	0.2%	1.0%	0.9%
Below Normal (15.9%)												
WSIP 2070 Without Project	524.3	453.3	478.0	551.0	530.8	458.9	390.0	384.2	354.1	275.4	276.3	404.8
WSIP 2070 With Project	508.5	426.1	455.2	569.2	542.7	466.0	392.7	381.1	347.6	271.5	278.5	413.0
Difference	-15.7	-27.1	-22.8	18.2	11.9	7.1	2.6	-3.1	-6.5	-3.9	2.2	8.3
Percent Difference	-3.0%	-6.0%	-4.8%	3.3%	2.2%	1.5%	0.7%	-0.8%	-1.8%	-1.4%	0.8%	2.0%
Dry (24.4%)												
WSIP 2070 Without Project	524.1	473.7	495.1	520.7	552.2	548.3	491.4	447.6	383.9	312.9	356.9	415.4
WSIP 2070 With Project	515.9	462.7	509.9	539.1	562.0	545.2	494.6	446.8	381.0	303.1	360.0	404.6
Difference	-8.2	-10.9	14.8	18.4	9.7	-3.1	3.1	-0.8	-3.0	-9.8	3.1	-10.9
Percent Difference	-1.6%	-2.3%	3.0%	3.5%	1.8%	-0.6%	0.6%	-0.2%	-0.8%	-3.1%	0.9%	-2.6%
Critical (14.6%)												
WSIP 2070 Without Project	571.3	600.8	641.6	644.5	637.5	598.4	548.8	487.3	445.0	407.6	457.0	474.0
WSIP 2070 With Project	540.2	575.7	588.9	624.4	625.9	587.8	547.9	486.4	442.4	393.0	447.9	446.8
Difference	-31.1	-25.0	-52.7	-20.1	-11.6	-10.6	-0.9	-0.9	-2.6	-14.6	-9.1	-27.3
Percent Difference	-5.5%	-4.2%	-8.2%	-3.1%	-1.8%	-1.8%	-0.2%	-0.2%	-0.6%	-3.6%	-2.0%	-5.8%

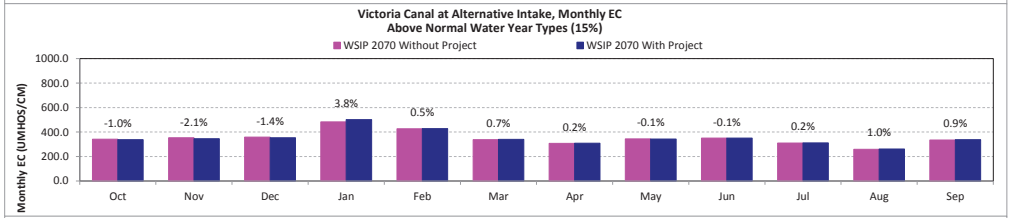
1 Based on the 82-year simulation period

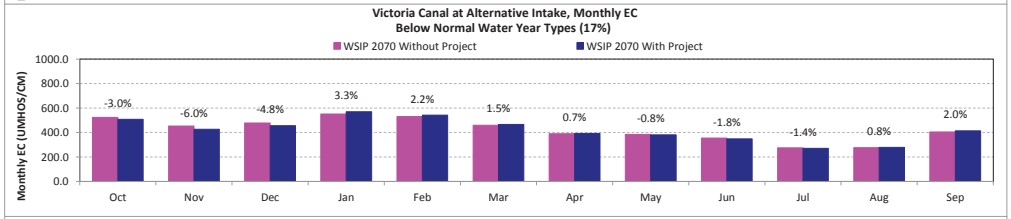
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

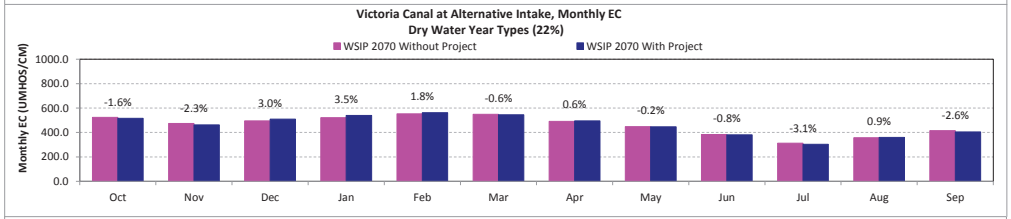
3 Relative difference of the monthly average











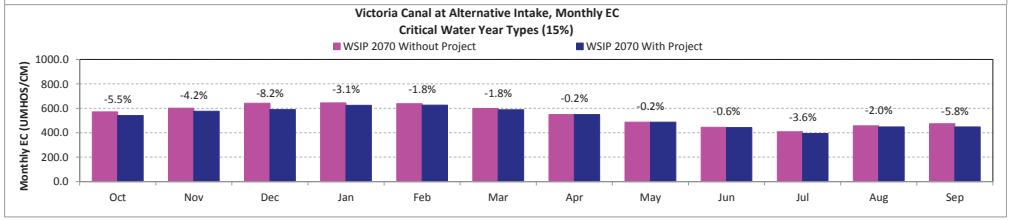


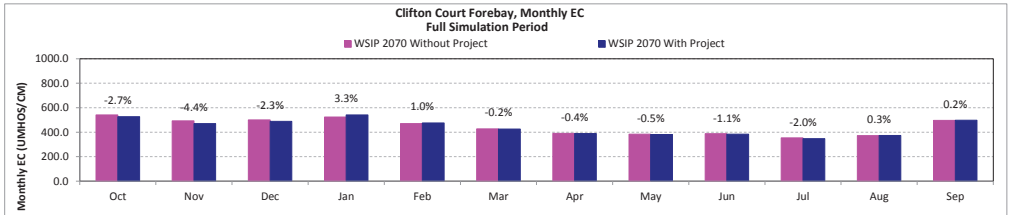
Table SQ-31-a
Clifton Court Forebay, Monthly EC
Long-term Average and Average by Water Year Type

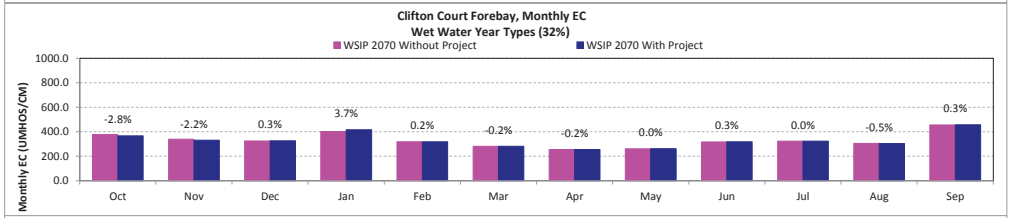
Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	541.1	492.4	500.5	523.6	470.7	426.7	391.1	383.7	388.4	353.9	372.4	496.9
WSIP 2070 With Project	526.5	470.8	488.8	540.7	475.3	425.7	389.6	381.9	383.9	346.9	373.7	497.7
Difference	-14.6	-21.6	-11.7	17.1	4.6	-1.0	-1.5	-1.7	-4.4	-7.0	1.3	0.8
Percent Difference[3]	-2.7%	-4.4%	-2.3%	3.3%	1.0%	-0.2%	-0.4%	-0.5%	-1.1%	-2.0%	0.3%	0.2%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	376.5	339.0	324.5	401.6	317.6	281.8	255.2	261.1	317.1	323.8	304.9	455.8
WSIP 2070 With Project	366.1	331.4	325.3	416.4	318.1	281.3	254.8	261.2	318.2	323.8	303.4	457.2
Difference	-10.4	-7.6	0.8	14.8	0.6	-0.4	-0.4	0.1	1.0	0.0	-1.4	1.4
Percent Difference	-2.8%	-2.2%	0.3%	3.7%	0.2%	-0.2%	-0.2%	0.0%	0.3%	0.0%	-0.5%	0.3%
Above Normal (13.4%)												
WSIP 2070 Without Project	323.3	327.3	377.5	486.6	409.9	321.6	299.1	328.9	346.1	309.4	281.0	403.0
WSIP 2070 With Project	320.2	319.8	371.8	518.3	413.7	324.8	301.4	328.9	345.8	309.2	284.6	409.3
Difference	-3.1	-7.5	-5.7	31.8	3.8	3.1	2.2	0.0	-0.3	-0.2	3.6	6.3
Percent Difference	-0.9%	-2.3%	-1.5%	6.5%	0.9%	1.0%	0.7%	0.0%	-0.1%	-0.1%	1.3%	1.6%
Below Normal (15.9%)												
WSIP 2070 Without Project	704.7	579.2	572.9	587.6	530.7	443.7	386.9	381.6	378.8	300.8	323.0	534.2
WSIP 2070 With Project	678.6	518.4	534.5	614.1	550.3	450.5	388.8	378.7	367.3	295.4	327.2	552.5
Difference	-26.0	-60.8	-38.4	26.6	19.6	6.8	1.9	-2.9	-11.5	-5.4	4.2	18.2
Percent Difference	-3.7%	-10.5%	-6.7%	4.5%	3.7%	1.5%	0.5%	-0.8%	-3.0%	-1.8%	1.3%	3.4%
Dry (24.4%)												
WSIP 2070 Without Project	678.6	585.1	583.8	553.8	551.5	536.0	493.9	467.2	427.7	369.9	427.4	525.3
WSIP 2070 With Project	672.8	568.9	608.0	578.7	564.6	536.6	489.1	464.6	420.2	355.1	438.6	526.2
Difference	-5.8	-16.2	24.3	24.9	13.1	0.6	-4.8	-2.6	-7.5	-14.8	11.2	0.8
Percent Difference	-0.8%	-2.8%	4.2%	4.5%	2.4%	0.1%	-1.0%	-0.6%	-1.8%	-4.0%	2.6%	0.2%
Critical (14.6%)												
WSIP 2070 Without Project	691.0	727.4	777.0	702.1	658.6	636.7	602.9	562.8	526.2	490.8	564.7	584.5
WSIP 2070 With Project	654.4	695.8	701.7	687.7	642.2	619.3	597.6	558.1	519.0	473.6	549.9	559.8
Difference	-36.6	-31.5	-75.4	-14.5	-16.4	-17.4	-5.3	-4.6	-7.2	-17.2	-14.8	-24.6
Percent Difference	-5.3%	-4.3%	-9.7%	-2.1%	-2.5%	-2.7%	-0.9%	-0.8%	-1.4%	-3.5%	-2.6%	-4.2%

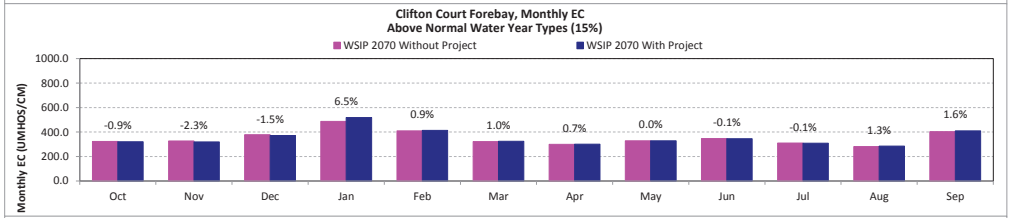
1 Based on the 82-year simulation period

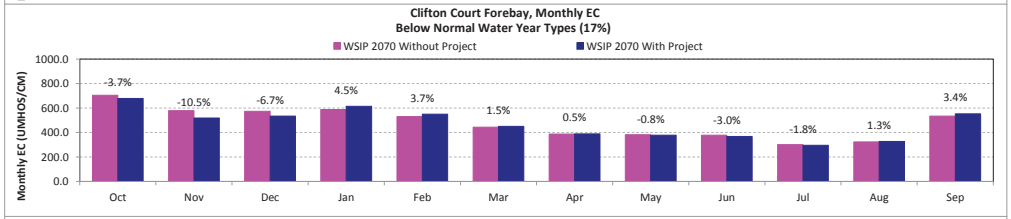
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

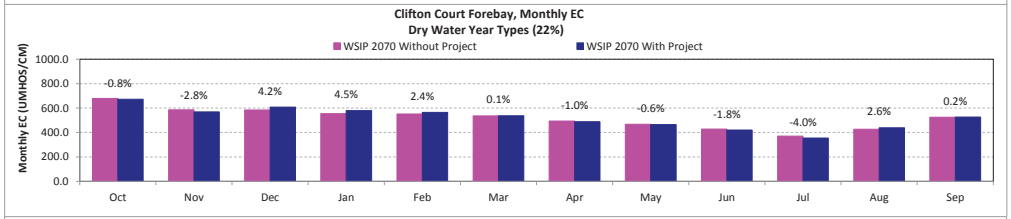
3 Relative difference of the monthly average











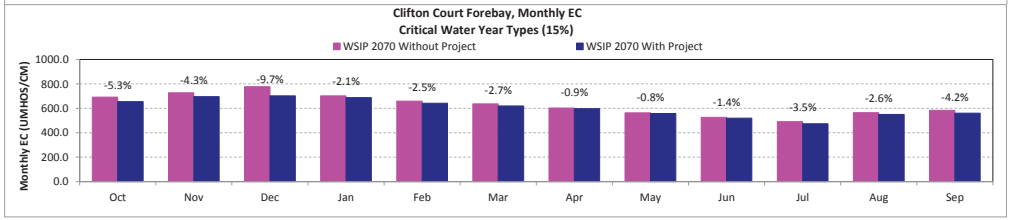


Table SQ-32-a
Delta Mendota Canal at Jones Pumping Plant, Monthly EC
Long-term Average and Average by Water Year Type

Analysis Period	Monthly EC (UMHOS/CM)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	545.4	508.5	568.6	586.5	547.0	507.7	391.4	410.1	434.5	414.5	419.3	520.1
WSIP 2070 With Project	528.1	492.6	562.1	596.2	548.0	503.4	390.9	410.8	431.8	408.1	419.4	519.4
Difference	-17.3	-15.9	-6.6	9.7	1.0	-4.2	-0.5	0.8	-2.8	-6.4	0.1	-0.7
Percent Difference[3]	-3.2%	-3.1%	-1.2%	1.7%	0.2%	-0.8%	-0.1%	0.2%	-0.6%	-1.5%	0.0%	-0.1%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	408.2	391.8	439.7	441.7	323.7	296.4	251.7	284.7	409.3	432.8	363.1	466.8
WSIP 2070 With Project	398.0	391.4	439.2	449.6	324.8	294.9	251.5	285.0	409.2	433.0	358.4	469.7
Difference	-10.2	-0.4	-0.5	8.0	1.1	-1.5	-0.2	0.4	-0.1	0.2	-4.7	3.0
Percent Difference	-2.5%	-0.1%	-0.1%	1.8%	0.3%	-0.5%	-0.1%	0.1%	0.0%	0.0%	-1.3%	0.6%
Above Normal (13.4%)												
WSIP 2070 Without Project	374.3	381.4	507.0	578.8	440.9	336.7	301.8	367.7	422.8	406.5	351.1	444.9
WSIP 2070 With Project	377.7	374.7	501.1	593.8	442.7	339.1	302.1	367.8	421.3	392.7	347.6	450.2
Difference	3.4	-6.8	-6.0	15.0	1.8	2.5	0.4	0.1	-1.4	-13.8	-3.5	5.2
Percent Difference	0.9%	-1.8%	-1.2%	2.6%	0.4%	0.7%	0.1%	0.0%	-0.3%	-3.4%	-1.0%	1.2%
Below Normal (15.9%)												
WSIP 2070 Without Project	651.9	559.3	595.2	660.1	625.3	532.9	381.6	411.7	414.6	354.4	382.9	561.5
WSIP 2070 With Project	627.1	515.0	572.4	674.6	633.7	532.6	381.0	411.6	405.4	345.3	382.7	575.0
Difference	-24.8	-44.3	-22.8	14.5	8.5	-0.3	-0.6	-0.1	-9.1	-9.1	-0.2	13.5
Percent Difference	-3.8%	-7.9%	-3.8%	2.2%	1.4%	-0.1%	-0.2%	0.0%	-2.2%	-2.6%	-0.1%	2.4%
Dry (24.4%)												
WSIP 2070 Without Project	653.2	578.8	634.4	639.2	694.9	659.7	479.1	497.0	443.1	392.7	463.1	554.0
WSIP 2070 With Project	635.7	566.9	647.2	655.2	693.7	647.5	477.1	499.3	439.6	387.3	474.5	552.0
Difference	-17.5	-11.9	12.8	16.0	-1.2	-12.2	-2.0	2.3	-3.6	-5.3	11.4	-2.0
Percent Difference	-2.7%	-2.1%	2.0%	2.5%	-0.2%	-1.9%	-0.4%	0.5%	-0.8%	-1.4%	2.5%	-0.4%
Critical (14.6%)												
WSIP 2070 Without Project	704.3	705.8	766.2	739.6	796.7	841.4	640.6	573.8	507.1	483.5	569.8	603.1
WSIP 2070 With Project	661.2	672.1	731.4	732.8	792.6	834.1	641.2	574.3	505.7	471.0	565.2	576.2
Difference	-43.1	-33.6	-34.8	-6.8	-4.1	-7.4	0.5	0.5	-1.5	-12.5	-4.5	-27.0
Percent Difference	-6.1%	-4.8%	-4.5%	-0.9%	-0.5%	-0.9%	0.1%	0.1%	-0.3%	-2.6%	-0.8%	-4.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Sacramento-San Joaquin Delta Modeling

Exceedance Probability Charts and Tables

Figure SQ-01-b
X2, Monthly Position
Probability of Exceedance

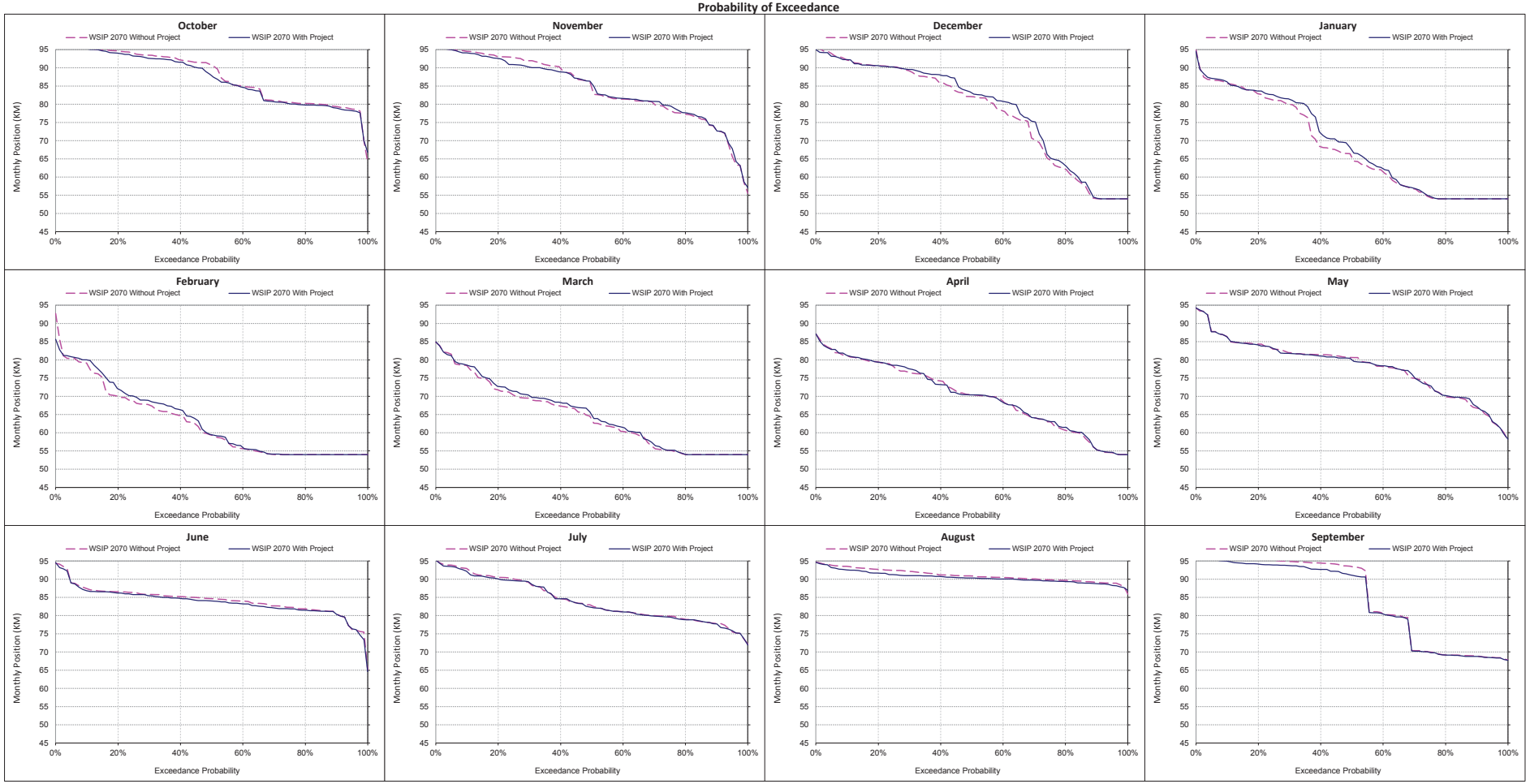


Table SQ-01-b

X2, Monthly Position

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Position (KM)	WSIP 2070 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	97.8	97.5	0	-0.4%
1.2%	97.5	97.4	0	-0.1%
2.5%	97.4	97.4	0	0.0%
3.7%	97.4	96.0	-1	-1.4%
4.9%	96.7	95.9	-1	-0.8%
6.2%	96.6	95.9	-1	-0.7%
7.4%	96.4	95.6	-1	-0.8%
8.6%	96.4	95.4	-1	-1.0%
9.9%	95.6	95.3	0	-0.3%
11.1%	95.3	95.1	0	-0.2%
12.3%	95.1	95.0	0	-0.1%
13.6%	95.1	95.0	0	-0.1%
14.8%	95.0	94.7	0	-0.3%
16.0%	95.0	94.5	0	-0.5%
17.3%	94.8	94.2	-1	-0.6%
18.5%	94.7	94.2	-1	-0.6%
19.8%	94.7	94.0	-1	-0.7%
21.0%	94.5	93.9	-1	-0.7%
22.2%	94.4	93.7	-1	-0.7%
23.5%	94.4	93.7	-1	-0.7%
24.7%	94.1	93.3	-1	-0.9%
25.9%	93.7	93.2	-1	-0.5%
27.2%	93.6	93.1	0	-0.5%
28.4%	93.5	92.9	-1	-0.6%
29.6%	93.5	92.6	-1	-1.0%
30.9%	93.5	92.5	-1	-1.0%
32.1%	93.3	92.5	-1	-0.8%
33.3%	93.2	92.5	-1	-0.8%
34.6%	93.1	92.4	-1	-0.7%
35.8%	93.0	92.2	-1	-0.8%
37.0%	92.8	92.2	-1	-0.7%
38.3%	92.7	91.7	-1	-1.1%
39.5%	92.2	91.6	-1	-0.7%
40.7%	92.1	91.5	-1	-0.6%
42.0%	91.9	90.8	-1	-1.2%
43.2%	91.8	90.6	-1	-1.2%
44.4%	91.6	90.2	-1	-1.5%
45.7%	91.5	90.0	-2	-1.7%
46.9%	91.5	89.9	-2	-1.7%
48.1%	91.4	89.0	-2	-2.7%
49.4%	91.0	88.3	-3	-3.0%
50.6%	90.5	87.4	-3	-3.4%
51.9%	89.7	86.9	-3	-3.1%
53.1%	87.2	86.1	-1	-1.3%
54.3%	86.3	86.1	0	-0.3%
55.6%	86.3	85.9	0	-0.4%
56.8%	85.3	85.4	0	0.0%
58.0%	85.1	85.2	0	0.1%
59.3%	85.1	84.8	0	-0.4%
60.5%	84.9	84.5	0	-0.4%
61.7%	84.7	84.0	-1	-0.8%
63.0%	84.7	84.0	-1	-0.8%
64.2%	84.6	83.7	-1	-1.1%
65.4%	84.2	83.6	-1	-0.6%
66.7%	81.3	81.0	0	-0.4%
67.9%	81.2	80.9	0	-0.3%
69.1%	81.1	80.8	0	-0.4%
70.4%	80.9	80.6	0	-0.4%
71.6%	80.9	80.6	0	-0.4%
72.8%	80.6	80.5	0	0.0%
74.1%	80.6	80.3	0	-0.4%
75.3%	80.6	80.1	0	-0.6%
76.5%	80.4	80.0	0	-0.4%
77.8%	80.3	79.9	0	-0.4%
79.0%	80.2	79.9	0	-0.5%
80.2%	80.2	79.8	0	-0.5%
81.5%	80.2	79.8	0	-0.5%
82.7%	80.1	79.8	0	-0.4%
84.0%	80.1	79.7	0	-0.4%
85.2%	80.0	79.7	0	-0.4%
86.4%	79.9	79.7	0	-0.3%
87.7%	79.8	79.5	0	-0.3%
88.9%	79.5	79.0	0	-0.5%
90.1%	79.4	78.9	0	-0.5%
91.4%	79.1	78.7	0	-0.6%
92.6%	79.1	78.4	-1	-0.9%
93.8%	78.9	78.3	-1	-0.7%
95.1%	78.7	78.2	0	-0.5%
96.3%	78.6	78.1	-1	-0.6%
97.5%	78.1	77.7	0	-0.6%
98.8%	70.0	69.9	0	0.0%
100.0%	64.1	66.8	3	4.2%

November				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Position (KM)	WSIP 2070 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	96.0	96.6	1	0.6%
1.2%	95.5	95.8	0	0.4%
2.5%	95.2	95.2	0	0.0%
3.7%	95.1	95.1	0	0.0%
4.9%	95.0	95.0	0	-0.1%
6.2%	94.9	94.8	0	-0.1%
7.4%	94.8	94.4	0	-0.4%
8.6%	94.7	94.1	-1	-0.6%
9.9%	94.5	94.1	0	-0.5%
11.1%	94.5	94.0	-1	-0.5%
12.3%	94.4	93.9	0	-0.5%
13.6%	94.1	93.6	-1	-0.5%
14.8%	94.0	93.2	-1	-0.8%
16.0%	93.6	93.2	0	-0.5%
17.3%	93.6	93.0	-1	-0.7%
18.5%	93.5	92.7	-1	-0.9%
19.8%	93.1	92.6	0	-0.5%
21.0%	93.1	92.4	-1	-0.7%
22.2%	93.0	91.9	-1	-1.2%
23.5%	93.0	90.9	-2	-2.2%
24.7%	92.9	90.9	-2	-2.2%
25.9%	92.7	90.8	-2	-2.0%
27.2%	92.6	90.8	-2	-1.9%
28.4%	92.0	90.5	-1	-1.6%
29.6%	92.0	90.3	-2	-1.8%
30.9%	92.0	90.1	-2	-2.0%
32.1%	91.7	90.1	-2	-1.8%
33.3%	91.4	90.0	-1	-1.5%
34.6%	91.0	89.8	-1	-1.3%
35.8%	90.8	89.6	-1	-1.3%
37.0%	90.5	89.5	-1	-1.1%
38.3%	90.5	89.2	-1	-1.4%
39.5%	90.3	88.9	-1	-1.6%
40.7%	89.1	88.8	0	-0.3%
42.0%	88.7	88.7	0	0.0%
43.2%	88.6	88.2	0	-0.4%
44.4%	87.7	87.2	0	-0.5%
45.7%	86.8	87.0	0	0.3%
46.9%	86.7	86.7	0	0.1%
48.1%	86.5	86.4	0	-0.1%
49.4%	86.2	86.3	0	0.1%
50.6%	82.7	84.9	2	2.6%
51.9%	82.7	82.8	0	0.2%
53.1%	82.5	82.6	0	0.2%
54.3%	82.0	82.5	1	0.7%
55.6%	81.9	82.1	0	0.2%
56.8%	81.6	81.9	0	0.4%
58.0%	81.5	81.7	0	0.3%
59.3%	81.4	81.7	0	0.3%
60.5%	81.4	81.5	0	0.1%
61.7%	81.4	81.5	0	0.2%
63.0%	81.2	81.4	0	0.2%
64.2%	80.9	81.4	0	0.5%
65.4%	80.9	81.1	0	0.2%
66.7%	80.8	81.0	0	0.2%
67.9%	80.8	80.9	0	0.1%
69.1%	80.7	80.8	0	0.1%
70.4%	79.8	80.8	1	1.3%
71.6%	79.7	80.7	1	1.3%
72.8%	79.5	79.8	0	0.4%
74.1%	78.7	79.7	1	1.3%
75.3%	78.2	79.5	1	1.7%
76.5%	77.7	78.8	1	1.5%
77.8%	77.6	78.3	1	0.8%
79.0%	77.5	77.7	0	0.3%
80.2%	77.2	77.6	0	0.5%
81.5%	77.1	77.5	0	0.5%
82.7%	76.7	77.2	1	0.7%
84.0%	76.4	76.7	0	0.3%
85.2%	75.9	76.5	1	0.8%
86.4%	75.7	76.0	0	0.3%
87.7%	74.3	74.3	0	0.1%
88.9%	74.1	74.2	0	0.2%
90.1%	72.6	72.6	0	0.0%
91.4%	72.5	72.6	0	0.1%
92.6%	72.0	72.1	0	0.1%
93.8%	68.9	69.3	0	0.5%
95.1%	65.6	67.8	2	3.4%
96.3%	63.3	64.2	1	1.4%
97.5%	63.2	63.2	0	0.0%
98.8%	58.5	58.7	0	0.4%
100.0%	55.6	57.1	2	2.7%

December				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Position (KM)	WSIP 2070 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	95.5	95.0	-1	-0.6%
1.2%	95.2	94.3	-1	-1.0%
2.5%	94.6	94.2	0	-0.5%
3.7%	94.6	94.2	0	-0.4%
4.9%	94.0	93.2	-1	-0.8%
6.2%	93.2	93.1	0	-0.1%
7.4%	93.1	92.8	0	-0.3%
8.6%	92.7	92.3	0	-0.5%
9.9%	92.2	92.3	0	0.1%
11.1%	91.9	92.2	0	0.4%
12.3%	91.4	91.1	0	-0.3%
13.6%	91.3	91.1	0	-0.1%
14.8%	91.0	90.8	0	-0.3%
16.0%	90.9	90.7	0	-0.1%
17.3%	90.8	90.7	0	-0.1%
18.5%	90.6	90.6	0	0.0%
19.8%	90.6	90.6	0	0.0%
21.0%	90.5	90.4	0	-0.1%
22.2%	90.5	90.4	0	-0.1%
23.5%	90.3	90.3	0	-0.1%
24.7%	90.3	90.3	0	0.0%
25.9%	90.2	90.0	0	-0.2%
27.2%	89.8	89.9	0	0.1%
28.4%	89.5	89.7	0	0.3%
29.6%	89.3	89.6	0	0.3%
30.9%	88.8	89.5	1	0.8%
32.1%	88.1	89.2	1	1.4%
33.3%	87.7	89.0	1	1.5%
34.6%	87.7	88.5	1	1.0%
35.8%	87.5	88.4	1	1.1%
37.0%	87.4	88.2	1	0.9%
38.3%	87.2	88.2	1	1.2%
39.5%	86.0	88.1	2	2.4%
40.7%	85.9	87.8	2	2.3%
42.0%	85.3	87.8	3	3.0%
43.2%	85.0	87.4	2	2.8%
44.4%	83.8	87.2	3	4.1%
45.7%	83.3	84.8	1	1.8%
46.9%	83.2	84.1	1	1.2%
48.1%	82.1	83.8	2	2.0%
49.4%	82.1	83.4	1	1.6%
50.6%	82.0	82.8	1	0.9%
51.9%	81.8	82.6	1	1.0%
53.1%	81.7	82.6	1	1.0%
54.3%	81.7	82.2	1	0.6%
55.6%	80.4	82.1	2	2.0%
56.8%	80.3	82.0	2	2.1%
58.0%	78.8	81.0	2	2.8%
59.3%	78.4	81.0	3	3.3%
60.5%	78.0	80.7	3	3.5%
61.7%	76.8	80.5	4	4.8%
63.0%	76.8	80.1	3	4.3%
64.2%	76.2	80.0	4	4.9%
65.4%	75.7	77.5	2	2.4%
66.7%	75.7	76.5	1	1.1%
67.9%	75.3	76.2	1	1.2%
69.1%	70.7	75.3	5	6.5%
70.4%	70.1	75.2	5	7.3%
71.6%	69.5	71.8	2	3.4%
72.8%	67.6	70.0	2	3.6%
74.1%	65.3	66.3	1	1.5%
75.3%	64.5	65.1	1	0.9%
76.5%	63.2	64.8	2	2.5%
77.8%	62.8	64.6	2	2.8%
79.0%	62.5	63.9	1	2.2%
80.2%	62.1	63.0	1	1.4%
81.5%	60.8	61.7	1	1.5%
82.7%	60.0	61.1	1	1.8%
84.0%	59.0	60.1	1	1.8%
85.2%	58.3	58.6	0	0.6%
86.4%	57.5	58.6	1	1.9%
87.7%	55.5	56.6	1	1.9%
88.9%	54.2	54.5	0	0.6%
90.1%	54.1	54.2	0	0.2%
91.4%	54.0	54.0	0	0.0%
92.6%	54.0	54.0	0	0.0%
93.8%	54.0	54.0	0	0.0%
95.1%	54.0	54.0	0	0.0%
96.3%	54.0	54.0	0	0.0%
97.5%	54.0	54.0	0	0.0%
98.8%	54.0	54.0	0	0.0%
100.0%	54.0	54.0	0	0.0%

January				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Position (KM)	WSIP 2070 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	95.1	94.6	0	-0.5%
1.2%	90.0	89.7	0	-0.4%
2.5%	87.5	88.4	1	1.1%
3.7%	86.9	87.4	1	0.7%
4.9%	86.7	87.1	0	0.4%
6.2%	86.6	87.0	0	0.5%
7.4%	86.5	86.8	0	0.3%
8.6%	86.3	86.6	0	0.4%
9.9%	85.7	86.2	1	0.7%
11.1%	85.6	85.2	0	-0.5%
12.3%	85.3	85.1	0	-0.2%
13.6%	85.0	84.9	0	-0.2%
14.8%	84.8	84.3	0	-0.6%
16.0%	84.0	84.0	0	0.0%
17.3%	83.9	83.9	0	0.1%
18.5%	83.7	83.8	0	0.2%
19.8%	82.9	83.7	1	0.9%
21.0%	82.7	83.6	1	1.1%
22.2%	81.7	83.0	1	1.5%
23.5%	81.5	82.7	1	1.5%
24.7%	81.2	82.7	2	1.8%
25.9%	81.0	82.2	1	1.4%
27.2%	81.0	81.8	1	0.9%
28.4%	80.4	81.6	1	1.4%
29.6%	79.9	81.5	2	2.0%
30.9%	79.9	81.1	1	1.5%
32.1%	79.2	80.4	1	1.6%
33.3%	77.5	80.4	3	3.7%
34.6%	77.0	80.2	3	4.2%
35.8%	76.3	79.4	3	4.0%
37.0%	71.4	77.4	6	8.5%
38.3%	70.4	76.5	6	8.7%
39.5%	68.5	72.4	4	5.8%
40.7%	68.1	71.5	3	4.9%
42.0%	68.0	70.7	3	3.9%
43.2%	67.7	70.5	3	4.1%
44.4%	67.6	70.5	3	4.3%
45.7%	67.1	69.6	2	3.7%
46.9%	66.6	69.6	3	4.5%
48.1%	66.5	69.4	3	4.5%
49.4%	66.4	68.2	2	2.6%
50.6%	64.4	66.6	2	3.4%
51.9%	64.3	66.4	2	3.4%
53.1%	63.5	65.8	2	3.6%
54.3%	63.4	65.0	2	2.5%
55.6%	62.6	64.1	1	2.3%
56.8%	62.2	63.6	1	2.3%
58.0%	62.1	62.9	1	1.3%
59.3%	62.0	62.6	1	1.0%
60.5%	61.0	62.0	1	1.6%
61.7%	60.4	61.8	1	2.3%
63.0%	59.1	59.8	1	1.2%
64.2%	58.4	59.3	1	1.5%
65.4%	57.8	57.9	0	0.2%
66.7%	57.6	57.5	0	-0.2%
67.9%	57.2	57.3	0	0.1%
69.1%	56.8	57.1	0	0.6%
70.4%	56.7	56.8	0	0.2%
71.6%	55.9	56.5	1	1.0%
72.8%	55.8	55.7	0	-0.2%
74.1%	54.8	55.0	0	0.4%
75.3%	54.3	54.6	0	0.6%
76.5%	54.0	54.2	0	0.3%
77.8%	54.0	54.0	0	0.0%
79.0%	54.0	54.0	0	0.0%
80.2%	54.0	54.0	0	0.0%
81.5%	54.0	54.0	0	0.0%
82.7%	54.0	54.0	0	0.0%
84.0%	54.0	54.0	0	0.0%
85.2%	54.0	54.0	0	0.0%
86.4%	54.0	54.0	0	0.0%
87.7%	54.0	54.0	0	0.0%
88.9%	54.0	54.0	0	0.0%
90.1%	54.0	54.0	0	0.0%
91.4%	54.0	54.0	0	0.0%
92.6%	54.0	54.0	0	0.0%
93.8%	54.0	54.0	0	0.0%
95.1%	54.0	54.0	0	0.0%
96.3%	54.0	54.0	0	0.0%
97.5%	54.0	54.0	0	0.0%
98.8%	54.0	54.0	0	0.0%
100.0%	54.0	54.0	0	0.0%

Table SQ-01-b

X2, Monthly Position

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Position (KM)	WSIP 2070 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	92.7	85.6	-7	-7.7%
1.2%	85.8	82.8	-3	-3.5%
2.5%	81.1	81.2	0	0.1%
3.7%	80.4	81.2	1	0.9%
4.9%	80.4	80.9	1	0.6%
6.2%	80.4	80.7	0	0.3%
7.4%	79.5	80.4	1	1.2%
8.6%	79.3	80.1	1	0.9%
9.9%	79.2	80.0	1	1.1%
11.1%	77.3	79.8	3	3.3%
12.3%	76.4	78.6	2	2.9%
13.6%	76.2	77.5	1	1.8%
14.8%	75.3	76.5	1	1.6%
16.0%	71.5	75.2	4	5.1%
17.3%	70.4	73.9	3	4.9%
18.5%	70.3	73.8	4	5.0%
19.8%	70.1	72.2	2	3.0%
21.0%	69.7	71.6	2	2.8%
22.2%	69.7	70.8	1	1.7%
23.5%	69.0	70.2	1	1.8%
24.7%	68.9	70.1	1	1.8%
25.9%	68.1	69.8	2	2.5%
27.2%	67.9	69.0	1	1.6%
28.4%	67.9	69.0	1	1.6%
29.6%	67.7	68.9	1	1.8%
30.9%	67.3	68.5	1	1.7%
32.1%	66.4	68.3	2	2.8%
33.3%	66.0	68.0	2	3.0%
34.6%	65.8	67.9	2	3.2%
35.8%	65.8	67.4	2	2.4%
37.0%	65.3	67.3	2	3.0%
38.3%	65.0	66.6	2	2.4%
39.5%	64.8	66.4	2	2.5%
40.7%	64.7	66.1	1	2.2%
42.0%	63.0	64.6	2	2.5%
43.2%	62.9	64.5	2	2.6%
44.4%	62.6	64.0	1	2.2%
45.7%	61.7	63.3	2	2.5%
46.9%	60.0	61.0	1	1.6%
48.1%	59.9	60.1	0	0.4%
49.4%	59.5	59.6	0	0.2%
50.6%	59.2	59.4	0	0.3%
51.9%	58.7	59.2	0	0.8%
53.1%	58.6	59.1	1	0.9%
54.3%	58.1	58.7	1	1.2%
55.6%	57.0	57.1	0	0.1%
56.8%	56.1	57.0	1	1.6%
58.0%	56.1	56.5	0	0.8%
59.3%	55.7	56.5	1	1.5%
60.5%	55.6	55.6	0	-0.2%
61.7%	55.4	55.5	0	0.2%
63.0%	55.2	55.4	0	0.4%
64.2%	54.9	55.3	0	0.7%
65.4%	54.8	54.9	0	0.3%
66.7%	54.5	54.7	0	0.4%
67.9%	54.2	54.2	0	0.0%
69.1%	54.1	54.2	0	0.1%
70.4%	54.0	54.1	0	0.3%
71.6%	54.0	54.1	0	0.2%
72.8%	54.0	54.0	0	0.0%
74.1%	54.0	54.0	0	0.0%
75.3%	54.0	54.0	0	0.0%
76.5%	54.0	54.0	0	0.0%
77.8%	54.0	54.0	0	0.0%
79.0%	54.0	54.0	0	0.0%
80.2%	54.0	54.0	0	0.0%
81.5%	54.0	54.0	0	0.0%
82.7%	54.0	54.0	0	0.0%
84.0%	54.0	54.0	0	0.0%
85.2%	54.0	54.0	0	0.0%
86.4%	54.0	54.0	0	0.0%
87.7%	54.0	54.0	0	0.0%
88.9%	54.0	54.0	0	0.0%
90.1%	54.0	54.0	0	0.0%
91.4%	54.0	54.0	0	0.0%
92.6%	54.0	54.0	0	0.0%
93.8%	54.0	54.0	0	0.0%
95.1%	54.0	54.0	0	0.0%
96.3%	54.0	54.0	0	0.0%
97.5%	54.0	54.0	0	0.0%
98.8%	54.0	54.0	0	0.0%
100.0%	54.0	54.0	0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Position (KM)	WSIP 2070 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	84.9	85.0	0	0.1%
1.2%	83.9	83.9	0	-0.1%
2.5%	82.2	82.2	0	0.0%
3.7%	82.0	81.4	-1	-0.7%
4.9%	81.6	81.2	0	-0.5%
6.2%	78.9	79.6	1	0.8%
7.4%	78.7	79.0	0	0.4%
8.6%	78.5	78.9	0	0.4%
9.9%	78.5	78.6	0	0.1%
11.1%	77.3	78.3	1	1.3%
12.3%	76.7	78.1	1	1.9%
13.6%	75.1	76.8	2	2.2%
14.8%	75.0	75.5	1	0.7%
16.0%	74.8	75.1	0	0.4%
17.3%	73.9	74.8	1	1.2%
18.5%	72.1	73.6	2	2.1%
19.8%	71.8	72.7	1	1.3%
21.0%	71.4	72.6	1	1.7%
22.2%	71.4	72.5	1	1.6%
23.5%	71.2	71.7	1	0.8%
24.7%	70.5	71.4	1	1.3%
25.9%	69.9	71.3	1	2.1%
27.2%	69.6	70.7	1	1.5%
28.4%	69.5	70.5	1	1.5%
29.6%	69.5	70.4	1	1.3%
30.9%	69.0	69.7	1	1.1%
32.1%	68.8	69.7	1	1.3%
33.3%	68.8	69.5	1	1.0%
34.6%	68.5	69.5	1	1.3%
35.8%	68.5	69.2	1	1.0%
37.0%	67.9	68.9	1	1.5%
38.3%	67.5	68.4	1	1.3%
39.5%	67.4	68.4	1	1.5%
40.7%	67.2	68.1	1	1.3%
42.0%	67.1	68.1	1	1.6%
43.2%	66.8	67.4	1	0.9%
44.4%	66.6	67.1	0	0.7%
45.7%	65.7	66.9	1	1.9%
46.9%	65.7	66.8	1	1.7%
48.1%	64.9	66.7	2	2.9%
49.4%	64.5	65.7	1	1.7%
50.6%	62.6	63.9	1	2.0%
51.9%	62.6	63.9	1	2.1%
53.1%	62.2	63.1	1	1.5%
54.3%	61.9	63.0	1	1.8%
55.6%	61.8	62.4	1	0.9%
56.8%	61.5	62.2	1	1.1%
58.0%	61.4	61.8	0	0.7%
59.3%	60.4	61.6	1	2.0%
60.5%	60.3	61.3	1	1.7%
61.7%	60.0	60.4	0	0.7%
63.0%	60.0	60.3	0	0.6%
64.2%	59.7	60.1	0	0.8%
65.4%	59.1	60.1	1	1.7%
66.7%	58.9	58.3	-1	-0.9%
67.9%	57.3	58.1	1	1.3%
69.1%	56.4	57.4	1	1.9%
70.4%	55.6	56.4	1	1.5%
71.6%	55.5	56.2	1	1.4%
72.8%	55.3	55.6	0	0.5%
74.1%	55.2	55.2	0	0.0%
75.3%	55.2	55.2	0	0.1%
76.5%	54.9	55.2	0	0.6%
77.8%	54.8	54.6	0	-0.2%
79.0%	54.2	54.4	0	0.3%
80.2%	54.0	54.0	0	0.0%
81.5%	54.0	54.0	0	0.0%
82.7%	54.0	54.0	0	0.0%
84.0%	54.0	54.0	0	0.0%
85.2%	54.0	54.0	0	0.0%
86.4%	54.0	54.0	0	0.0%
87.7%	54.0	54.0	0	0.0%
88.9%	54.0	54.0	0	0.0%
90.1%	54.0	54.0	0	0.0%
91.4%	54.0	54.0	0	0.0%
92.6%	54.0	54.0	0	0.0%
93.8%	54.0	54.0	0	0.0%
95.1%	54.0	54.0	0	0.0%
96.3%	54.0	54.0	0	0.0%
97.5%	54.0	54.0	0	0.0%
98.8%	54.0	54.0	0	0.0%
100.0%	54.0	54.0	0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Position (KM)	WSIP 2070 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	87.1	87.2	0	0.0%
1.2%	85.7	85.2	-1	-0.6%
2.5%	84.2	84.0	0	-0.3%
3.7%	83.6	83.3	0	-0.3%
4.9%	83.1	82.9	0	-0.2%
6.2%	82.0	82.8	1	1.0%
7.4%	81.9	81.9	0	0.0%
8.6%	81.3	81.9	1	0.7%
9.9%	81.2	81.2	0	0.0%
11.1%	80.8	81.0	0	0.2%
12.3%	80.7	80.7	0	0.0%
13.6%	80.3	80.6	0	0.4%
14.8%	80.2	80.3	0	0.1%
16.0%	79.9	80.1	0	0.3%
17.3%	79.6	80.0	0	0.4%
18.5%	79.5	79.6	0	0.1%
19.8%	79.5	79.4	0	-0.2%
21.0%	79.2	79.3	0	0.2%
22.2%	79.1	79.1	0	0.1%
23.5%	79.0	78.7	0	-0.3%
24.7%	78.3	78.6	0	0.3%
25.9%	77.4	78.5	1	1.4%
27.2%	76.9	78.3	1	1.8%
28.4%	76.9	78.1	1	1.5%
29.6%	76.7	77.6	1	1.3%
30.9%	76.4	77.4	1	1.4%
32.1%	76.2	77.1	1	1.1%
33.3%	76.2	76.4	0	0.2%
34.6%	75.9	76.3	0	0.5%
35.8%	75.5	74.7	-1	-1.0%
37.0%	74.8	74.5	0	-0.4%
38.3%	74.4	73.4	-1	-1.4%
39.5%	74.3	73.3	-1	-1.4%
40.7%	74.1	73.2	-1	-1.3%
42.0%	72.7	73.1	0	0.6%
43.2%	72.3	71.1	-1	-1.6%
44.4%	71.7	71.1	-1	-0.8%
45.7%	71.0	70.7	0	-0.5%
46.9%	70.9	70.5	0	-0.6%
48.1%	70.6	70.4	0	-0.2%
49.4%	70.4	70.4	0	0.0%
50.6%	70.4	70.4	0	0.1%
51.9%	70.3	70.4	0	0.1%
53.1%	70.2	70.3	0	0.2%
54.3%	70.2	70.3	0	0.1%
55.6%	69.9	69.9	0	0.0%
56.8%	69.9	69.9	0	0.1%
58.0%	69.8	69.5	0	-0.5%
59.3%	69.2	68.7	0	-0.7%
60.5%	68.2	68.1	0	-0.1%
61.7%	67.7	67.7	0	0.0%
63.0%	67.7	67.6	0	-0.1%
64.2%	66.2	67.3	1	1.7%
65.4%	65.9	66.7	1	1.2%
66.7%	65.3	65.6	0	0.6%
67.9%	64.8	65.2	0	0.6%
69.1%	64.1	64.2	0	0.1%
70.4%	64.1	64.1	0	0.0%
71.6%	63.7	63.8	0	0.2%
72.8%	63.7	63.7	0	-0.1%
74.1%	63.0	63.3	0	0.4%
75.3%	63.0	63.1	0	0.2%
76.5%	61.8	63.0	1	2.0%
77.8%	61.4	61.8	0	0.6%
79.0%	61.0	61.5	1	0.9%
80.2%	60.6	61.5	1	1.5%
81.5%	60.4	60.5	0	0.2%
82.7%	60.1	60.4	0	0.4%
84.0%	60.0	60.2	0	0.2%
85.2%	59.7	60.2	0	0.7%
86.4%	58.4	59.1	1	1.2%
87.7%	57.4	58.0	1	1.1%
88.9%	56.1	56.1	0	0.0%
90.1%	55.3	55.3	0	0.0%
91.4%	55.0	55.0	0	0.0%
92.6%	54.6	54.8	0	0.3%
93.8%	54.6	54.6	0	0.1%
95.1%	54.5	54.6	0	0.1%
96.3%	54.0	54.1	0	0.2%
97.5%	54.0	54.0	0	0.0%
98.8%	54.0	54.0	0	0.0%
100.0%	54.0	54.0	0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Position (KM)	WSIP 2070 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	94.3	94.3	0	0.0%
1.2%	93.4	93.7	0	0.3%
2.5%	93.3	93.3	0	-0.1%
3.7%	92.4	92.4	0	-0.1%
4.9%	87.8	87.7	0	-0.1%
6.2%	87.8	87.7	0	-0.1%
7.4%	87.2	87.2	0	0.0%
8.6%	86.9	86.9	0	0.0%
9.9%	86.5	86.4	0	-0.1%
11.1%	84.9	85.1	0	0.2%
12.3%	84.8	84.9	0	0.2%
13.6%	84.8	84.8	0	0.0%
14.8%	84.7	84.6	0	-0.1%
16.0%	84.6	84.5	0	-0.1%
17.3%	84.6	84.3	0	-0.3%
18.5%	84.4	84.3	0	-0.1%
19.8%	84.3	84.2	0	-0.2%
21.0%	84.3	83.8	-1	-0.6%
22.2%	83.7	83.8	0	0.1%
23.5%	83.7	83.7	0	0.0%
24.7%	83.0	83.1	0	0.2%
25.9%	82.9	82.8	0	-0.1%
27.2%	82.8	81.9	-1	-1.2%
28.4%	82.4	81.8	-1	-0.7%
29.6%	82.0	81.8	0	-0.3%
30.9%	81.9	81.7	0	-0.3%
32.1%	81.7	81.6	0	-0.1%
33.3%	81.7	81.6	0	0.0%
34.6%	81.6	81.5	0	-0.2%
35.8%	81.5	81.4	0	-0.1%
37.0%	81.5	81.4	0	-0.2%
38.3%	81.5	81.3	0	-0.3%
39.5%	81.5	81.1	0	-0.5%
40.7%	81.5	81.1	0	-0.5%
42.0%	81.4	80.8	-1	-0.7%
43.2%	81.3	80.8	-1	-0.7%
44.4%	81.1	80.8	0	-0.4%
45.7%	81.1	80.5	-1	-0.7%
46.9%	80.9	80.5	0	-0.4%
48.1%	80.7	80.5	0	-0.3%
49.4%	80.7	80.5	0	-0.2%
50.6%	80.7	79.6	-1	-1.3%
51.9%	80.7	79.5	-1	-1.5%
53.1%	79.6	79.4	0	-0.2%
54.3%	79.4	79.3	0	-0.1%
55.6%	79.2	79.3	0	0.1%
56.8%	78.9	78.9	0	0.0%
58.0%	78.3	78.5	0	0.3%
59.3%	78.3	78.4	0	0.1%
60.5%	78.1	78.4	0	0.3%
61.7%	78.0	78.2	0	0.3%
63.0%	77.8	78.2	0	0.4%
64.2%	77.7	77.6	0	-0.1%
65.4%	77.3	77.4	0	0.1%
66.7%	77.2	77.1	0	-0.1%
67.9%	75.9	77.1	1	1.6%
69.1%	75.1	76.1	1	1.3%
70.4%	74.9	74.9	0	0.0%
71.6%	74.6	74.2	0	-0.5%
72.8%	74.3	73.5	-1	-1.0%
74.1%	73.3	73.3	0	0.0%
75.3%	72.1	72.8	1	1.0%
76.5%	71.5	71.5	0	0.0%
77.8%	71.1	71.1	0	-0.1%
79.0%	70.4	70.3	0	-0.1%
80.2%	69.9	70.2	0	0.5%
81.5%	69.7	70.0	0	0.4%
82.7%	69.7	69.8	0	0.1%
84.0%	69.6	69.8	0	0.2%
85.2%	69.4	69.7	0	0.4%
86.4%	69.1	69.6	0	0.7%
87.7%	67.8	69.3	2	2.3%
88.9%	67.0	67.8	1	1.1%
90.1%	66.8	67.1	0	0.6%
91.4%	66.4	66.3	0	-0.2%
92.6%	65.2	65.9	1	1.0%
93.8%	64.6	65.0	0	0.6%
95.1%	62.9	63.1	0	0.3%
96.3%	62.2	62.3	0	0.2%
97.5%	61.3	61.3	0	0.0%
98.8%	59.9	59.7	0	-0.5%
100.0%	57.8	58.3	1	0.9%

Table SQ-01-b

X2, Monthly Position

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Position (KM)	WSIP 2070 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	94.4	94.5	0	0.2%
1.2%	94.1	93.2	-1	-1.0%
2.5%	93.5	92.8	-1	-0.7%
3.7%	92.8	92.2	-1	-0.6%
4.9%	89.0	89.0	0	-0.1%
6.2%	88.9	88.7	0	-0.2%
7.4%	88.2	87.8	0	-0.5%
8.6%	87.8	87.2	-1	-0.7%
9.9%	87.5	86.8	-1	-0.7%
11.1%	87.1	86.7	0	-0.5%
12.3%	87.0	86.6	0	-0.4%
13.6%	86.8	86.6	0	-0.3%
14.8%	86.7	86.6	0	-0.2%
16.0%	86.7	86.5	0	-0.2%
17.3%	86.6	86.5	0	-0.1%
18.5%	86.6	86.4	0	-0.3%
19.8%	86.5	86.2	0	-0.4%
21.0%	86.5	86.2	0	-0.4%
22.2%	86.5	86.0	-1	-0.6%
23.5%	86.4	86.0	0	-0.5%
24.7%	86.4	85.8	-1	-0.7%
25.9%	86.2	85.8	0	-0.5%
27.2%	86.0	85.7	0	-0.3%
28.4%	85.8	85.7	0	-0.1%
29.6%	85.8	85.5	0	-0.4%
30.9%	85.8	85.4	0	-0.5%
32.1%	85.8	85.2	-1	-0.7%
33.3%	85.8	85.1	-1	-0.7%
34.6%	85.4	85.0	0	-0.5%
35.8%	85.4	85.0	0	-0.4%
37.0%	85.3	84.9	0	-0.5%
38.3%	85.3	84.8	0	-0.5%
39.5%	85.2	84.8	0	-0.6%
40.7%	85.2	84.6	-1	-0.7%
42.0%	85.1	84.6	-1	-0.6%
43.2%	85.0	84.5	-1	-0.7%
44.4%	85.0	84.3	-1	-0.8%
45.7%	84.9	84.2	-1	-0.9%
46.9%	84.9	84.1	-1	-0.9%
48.1%	84.7	84.1	-1	-0.8%
49.4%	84.7	84.1	-1	-0.7%
50.6%	84.6	84.0	-1	-0.8%
51.9%	84.5	83.9	-1	-0.7%
53.1%	84.5	83.8	-1	-0.8%
54.3%	84.4	83.7	-1	-0.8%
55.6%	84.1	83.5	-1	-0.7%
56.8%	84.1	83.4	-1	-0.8%
58.0%	84.1	83.4	-1	-0.8%
59.3%	84.0	83.3	-1	-0.8%
60.5%	84.0	83.2	-1	-0.9%
61.7%	83.9	83.2	-1	-0.8%
63.0%	83.4	82.8	-1	-0.7%
64.2%	83.4	82.7	-1	-0.8%
65.4%	83.4	82.6	-1	-0.9%
66.7%	83.3	82.5	-1	-0.9%
67.9%	83.1	82.3	-1	-1.0%
69.1%	82.7	82.2	0	-0.6%
70.4%	82.7	82.0	-1	-0.8%
71.6%	82.6	81.9	-1	-0.8%
72.8%	82.5	81.9	-1	-0.7%
74.1%	82.3	81.9	0	-0.5%
75.3%	82.3	81.9	0	-0.5%
76.5%	82.3	81.9	0	-0.5%
77.8%	81.9	81.5	0	-0.4%
79.0%	81.9	81.5	0	-0.5%
80.2%	81.8	81.5	0	-0.4%
81.5%	81.6	81.4	0	-0.3%
82.7%	81.6	81.4	0	-0.3%
84.0%	81.5	81.3	0	-0.2%
85.2%	81.4	81.2	0	-0.2%
86.4%	81.2	81.2	0	0.0%
87.7%	81.2	81.1	0	-0.1%
88.9%	81.2	81.1	0	-0.1%
90.1%	80.4	80.3	0	-0.2%
91.4%	79.8	79.9	0	0.0%
92.6%	79.6	79.6	0	0.0%
93.8%	77.2	77.3	0	0.0%
95.1%	76.1	76.3	0	0.3%
96.3%	76.0	76.2	0	0.2%
97.5%	75.6	74.7	-1	-1.3%
98.8%	75.5	73.4	-2	-2.8%
100.0%	65.1	64.6	0	-0.7%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Position (KM)	WSIP 2070 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	95.4	95.2	0	-0.2%
1.2%	94.5	94.4	0	-0.1%
2.5%	94.1	93.6	0	-0.5%
3.7%	93.9	93.6	0	-0.4%
4.9%	93.9	93.5	0	-0.4%
6.2%	93.7	93.3	0	-0.4%
7.4%	93.2	92.9	0	-0.3%
8.6%	93.1	92.6	0	-0.5%
9.9%	92.9	92.2	-1	-0.8%
11.1%	92.2	91.2	-1	-1.0%
12.3%	91.5	90.9	-1	-0.6%
13.6%	91.2	90.9	0	-0.3%
14.8%	91.1	90.9	0	-0.2%
16.0%	91.0	90.6	0	-0.4%
17.3%	90.9	90.4	-1	-0.6%
18.5%	90.7	90.3	0	-0.4%
19.8%	90.5	90.1	0	-0.5%
21.0%	90.5	89.8	-1	-0.7%
22.2%	90.5	89.7	-1	-0.8%
23.5%	90.4	89.7	-1	-0.8%
24.7%	90.1	89.6	-1	-0.6%
25.9%	89.9	89.6	0	-0.3%
27.2%	89.8	89.5	0	-0.3%
28.4%	89.3	89.5	0	0.1%
29.6%	89.2	89.3	0	0.1%
30.9%	88.3	88.6	0	0.3%
32.1%	88.0	88.1	0	0.1%
33.3%	87.9	87.9	0	0.0%
34.6%	86.9	87.8	1	1.1%
35.8%	86.8	86.4	0	-0.4%
37.0%	85.8	86.0	0	0.2%
38.3%	85.1	84.7	0	-0.5%
39.5%	84.7	84.6	0	0.0%
40.7%	84.6	84.6	0	0.0%
42.0%	84.4	84.6	0	0.2%
43.2%	83.7	84.0	0	0.4%
44.4%	83.6	83.6	0	0.0%
45.7%	83.4	83.4	0	0.0%
46.9%	83.3	83.3	0	-0.1%
48.1%	83.0	82.6	0	-0.5%
49.4%	83.0	82.4	-1	-0.7%
50.6%	82.5	82.1	0	-0.4%
51.9%	82.2	82.1	0	-0.2%
53.1%	82.0	82.0	0	0.0%
54.3%	81.6	81.6	0	0.0%
55.6%	81.4	81.4	0	0.0%
56.8%	81.2	81.2	0	0.0%
58.0%	81.2	81.2	0	0.0%
59.3%	81.1	81.1	0	-0.1%
60.5%	81.0	81.0	0	0.0%
61.7%	81.0	81.0	0	0.0%
63.0%	80.8	80.8	0	0.1%
64.2%	80.7	80.4	0	-0.4%
65.4%	80.5	80.3	0	-0.2%
66.7%	80.3	80.1	0	-0.2%
67.9%	80.1	80.1	0	0.0%
69.1%	80.1	79.9	0	-0.2%
70.4%	80.0	79.9	0	-0.1%
71.6%	79.9	79.8	0	-0.2%
72.8%	79.9	79.7	0	-0.2%
74.1%	79.9	79.6	0	-0.3%
75.3%	79.8	79.6	0	-0.3%
76.5%	79.8	79.3	0	-0.6%
77.8%	79.2	79.1	0	-0.1%
79.0%	79.1	78.9	0	-0.3%
80.2%	78.9	78.8	0	-0.1%
81.5%	78.9	78.8	0	-0.1%
82.7%	78.7	78.8	0	0.1%
84.0%	78.5	78.6	0	0.2%
85.2%	78.4	78.4	0	0.1%
86.4%	78.2	78.2	0	0.0%
87.7%	78.1	78.2	0	0.1%
88.9%	77.9	77.8	0	-0.2%
90.1%	77.8	77.7	0	-0.1%
91.4%	77.8	76.7	-1	-1.4%
92.6%	77.4	76.6	-1	-1.0%
93.8%	76.5	76.3	0	-0.2%
95.1%	75.5	75.8	0	0.4%
96.3%	75.2	75.2	0	0.0%
97.5%	75.1	75.2	0	0.1%
98.8%	73.5	73.7	0	0.2%
100.0%	72.2	72.0	0	-0.3%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Position (KM)	WSIP 2070 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	94.7	94.6	0	-0.1%
1.2%	94.5	94.3	0	-0.2%
2.5%	94.2	94.1	0	-0.1%
3.7%	94.1	94.0	0	-0.2%
4.9%	93.8	93.2	-1	-0.7%
6.2%	93.7	93.0	-1	-0.7%
7.4%	93.6	92.8	-1	-1.0%
8.6%	93.5	92.7	-1	-0.9%
9.9%	93.5	92.5	-1	-1.1%
11.1%	93.4	92.5	-1	-1.0%
12.3%	93.2	92.5	-1	-0.8%
13.6%	93.1	92.4	-1	-0.8%
14.8%	93.0	92.2	-1	-0.9%
16.0%	93.0	92.1	-1	-0.9%
17.3%	92.9	91.8	-1	-1.2%
18.5%	92.8	91.7	-1	-1.1%
19.8%	92.7	91.7	-1	-1.1%
21.0%	92.7	91.6	-1	-1.2%
22.2%	92.5	91.6	-1	-1.0%
23.5%	92.5	91.3	-1	-1.3%
24.7%	92.4	91.3	-1	-1.3%
25.9%	92.4	91.2	-1	-1.3%
27.2%	92.4	91.0	-1	-1.5%
28.4%	92.3	91.0	-1	-1.4%
29.6%	92.2	91.0	-1	-1.3%
30.9%	92.1	91.0	-1	-1.2%
32.1%	92.0	91.0	-1	-1.1%
33.3%	91.8	91.0	-1	-1.0%
34.6%	91.8	90.9	-1	-1.0%
35.8%	91.6	90.9	-1	-0.8%
37.0%	91.6	90.9	-1	-0.7%
38.3%	91.5	90.8	-1	-0.8%
39.5%	91.2	90.8	0	-0.4%
40.7%	91.2	90.7	0	-0.5%
42.0%	91.2	90.6	-1	-0.6%
43.2%	91.1	90.5	-1	-0.7%
44.4%	91.0	90.5	0	-0.5%
45.7%	91.0	90.4	-1	-0.6%
46.9%	90.9	90.4	-1	-0.5%
48.1%	90.9	90.3	-1	-0.6%
49.4%	90.9	90.3	-1	-0.6%
50.6%	90.9	90.3	-1	-0.6%
51.9%	90.7	90.3	0	-0.4%
53.1%	90.7	90.2	0	-0.5%
54.3%	90.7	90.2	0	-0.5%
55.6%	90.6	90.2	0	-0.5%
56.8%	90.5	90.1	0	-0.4%
58.0%	90.5	90.1	0	-0.5%
59.3%	90.5	90.1	0	-0.5%
60.5%	90.4	90.1	0	-0.4%
61.7%	90.4	90.0	0	-0.4%
63.0%	90.3	90.0	0	-0.3%
64.2%	90.3	90.0	0	-0.4%
65.4%	90.2	89.8	0	-0.5%
66.7%	90.2	89.8	0	-0.4%
67.9%	90.1	89.8	0	-0.4%
69.1%	90.1	89.7	0	-0.4%
70.4%	90.1	89.7	0	-0.4%
71.6%	90.0	89.7	0	-0.3%
72.8%	89.9	89.5	0	-0.4%
74.1%	89.9	89.5	0	-0.4%
75.3%	89.8	89.5	0	-0.4%
76.5%	89.7	89.5	0	-0.3%
77.8%	89.7	89.4	0	-0.3%
79.0%	89.7	89.4	0	-0.4%
80.2%	89.7	89.3	0	-0.4%
81.5%	89.7	89.3	0	-0.4%
82.7%	89.5	89.3	0	-0.3%
84.0%	89.5	89.0	-1	-0.6%
85.2%	89.5	89.0	-1	-0.6%
86.4%	89.3	88.9	0	-0.4%
87.7%	89.3	88.9	0	-0.4%
88.9%	89.2	88.8	0	-0.4%
90.1%	89.1	88.7	0	-0.4%
91.4%	89.1	88.7	0	-0.4%
92.6%	89.0	88.7	0	-0.3%
93.8%	88.9	88.5	0	-0.4%
95.1%	88.9	88.2	-1	-0.8%
96.3%	88.9	88.2	-1	-0.8%
97.5%	88.5	87.9	-1	-0.6%
98.8%	87.9	87.7	0	-0.2%
100.0%	85.9	86.9	1	1.1%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Position (KM)	WSIP 2070 With Project Monthly Position (KM)	Absolute Difference (KM)	Relative Difference (%)
0.0%	97.7	96.9	-1	-0.8%
1.2%	97.4	96.6	-1	-0.8%
2.5%	97.3	96.5	-1	-0.8%
3.7%	96.9	96.5	0	-0.5%
4.9%	96.6	96.2	0	-0.4%
6.2%	96.6	95.7	-1	-1.0%
7.4%	96.5	95.1	-1	-1.4%
8.6%	96.3	95.0	-1	-1.3%
9.9%	96.2	95.0	-1	-1.3%
11.1%	95.8	94.8	-1	-1.0%
12.3%	95.7	94.6	-1	-1.2%
13.6%	95.7	94.5	-1	-1.2%
14.8%	95.6	94.4	-1	-1.3%
16.0%	95.6	94.3	-1	-1.4%
17.3%	95.5	94.2	-1	-1.4%
18.5%	95.4	94.2	-1	-1.3%
19.8%	95.4	94.2	-1	-1.3%
21.0%	95.3	94.0	-1	-1.4%
22.2%	95.3	94.0	-1	-1.3%
23.5%	95.2	94.0	-1	-1.3%
24.7%	95.2	93.9	-1	-1.3%
25.9%	95.1	93.9	-1	-1.3%
27.2%	95.0	93.8	-1	-1.2%
28.4%	95.0	93.8	-1	-1.2%
29.6%	94.9	93.8	-1	-1.2%
30.9%	94.8	93.7	-1	-1.2%
32.1%	94.8	93.7	-1	-1.2%
33.3%	94.7	93.5	-1	-1.3%
34.6%	94.7	93.5	-1	-1.3%
35.8%	94.6	93.1	-2	-1.6%
37.0%	94.5	92.8	-2	-1.8%
38.3%	94.5	92.8	-2	-1.8%
39.5%	94.5	92.7	-2	-1.8%
40.7%	94.4	92.7	-2	-1.7%
42.0%	94.4	92.7	-2	-1.7%
43.2%	94.3	92.2	-2	-2.2%
44.4%	94.2	92.2	-2	-2.1%
45.7%	94.0	92.2	-2	-2.0%
46.9%	93.7	91.6	-2	-2.2%
48.1%	93.7	91.5	-2	-2.3%
49.4%	93.6	91.2	-2	-2.5%
50.6%	93.3	91.0	-2	-2.5%
51.9%	93.2	90.7	-3	-2.7%
53.1%	93.0	90.6	-2	-2.6%
54.3%	92.3	90.6	-2	-1.9%
55.6%	81.1	80.8	0	-0.4%
56.8%	81.1	80.8	0	-0.4%
58.0%	81.1	80.8	0	-0.4%
59.3%	80.9	80.7	0	-0.2%
60.5%	80.3	80.3	0	0.0%
61.7%	80.2	80.1	0	-0.2%
63.0%	80.2	79.9	0	-0.3%
64.2%	80.0	79.6	0	-0.5%
65.4%	80.0	79.6	0	-0.5%
66.7%	79.5	79.5	0	0.0%
67.9%	79.5	79.0	0	-0.6%
69.1%	70.4	70.3	0	-0.1%
70.4%	70.4	70.2	0	-0.2%
71.6%	70.4	70.2	0	-0.2%
72.8%	70.2	70.1	0	-0.1%
74.1%	70.1	70.1	0	0.0%
75.3%	70.0	69.8	0	-0.2%
76.5%	69.8	69.8	0	0.0%
77.8%	69.5	69.3	0	-0.2%
79.0%	69.3	69.2	0	0.0%
80.2%	69.2	69.2	0	0.0%
81.5%	69.1	69.2	0	0.0%
82.7%	69.1	69.1	0	-0.1%
84.0%	69.1	69.1	0	-0.1%
85.2%	69.1	69.0	0	-0.1%
86.4%	69.0	68.8	0	-0.3%
87.7%	69.0	68.8	0	-0.2%
88.9%	69.0	68.8	0	-0.2%
90.1%	68.9	68.8	0	-0.2%
91.4%	68.7	68.7	0	-0.1%
92.6%	68.6	68.5	0	-0.2%
93.8%	68.5	68.5	0	-0.1%
95.1%	68.5	68.4	0	-0.1%
96.3%	68.5	68.4	0	-0.1%
97.5%	68.5	68.3	0	-0.2%
98.8%	68.1	67.9	0	-0.2%
100.0%	67.8	67.7	0	-0.2%

Figure SQ-21-b
Sacramento River at Emmaton, Monthly EC
Probability of Exceedance

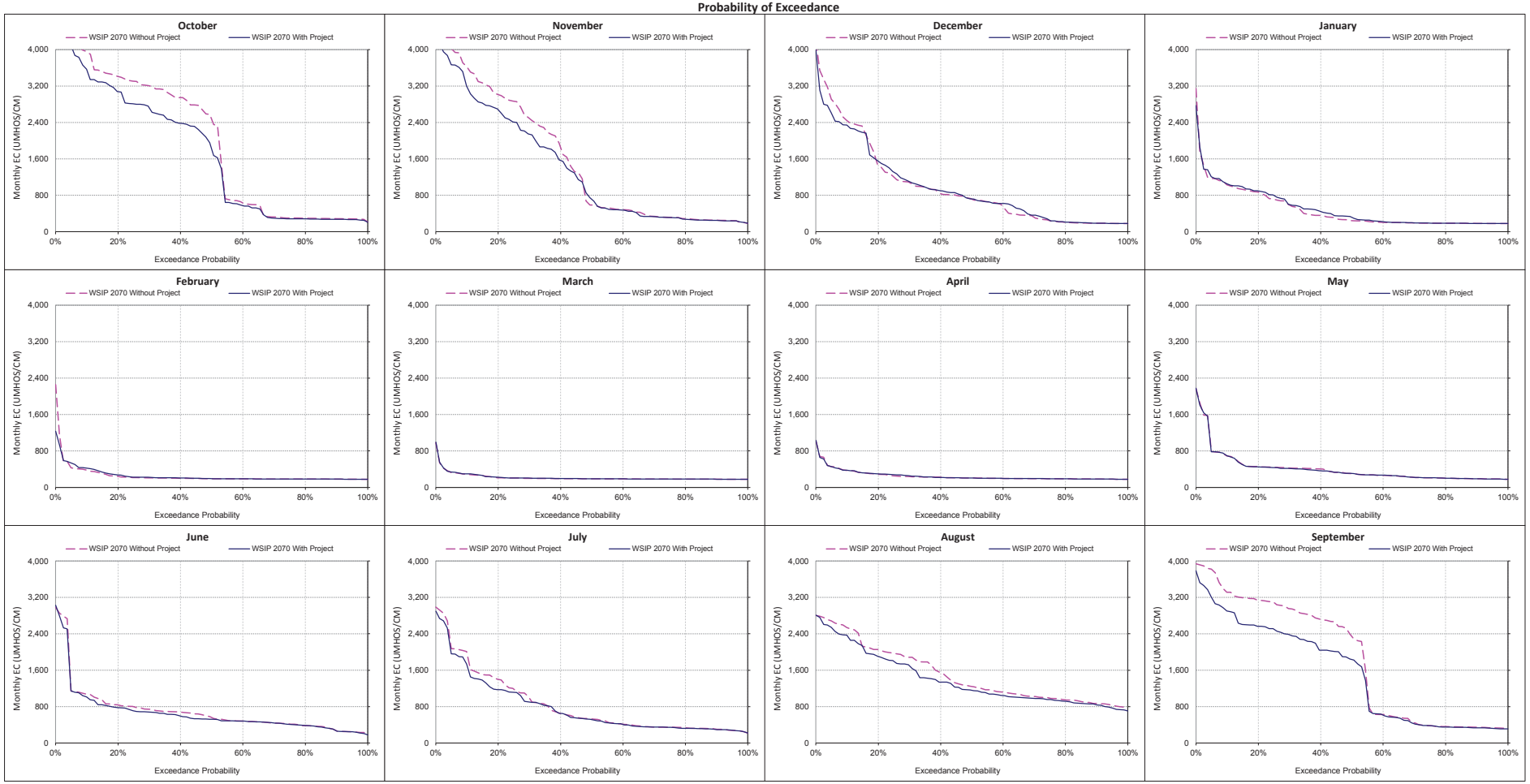


Table SQ-21-b

Sacramento River at Emmaton, Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	4786.0	4737.8	-48.2	-1.0%
1.2%	4714.6	4465.1	-249.4	-5.3%
2.5%	4643.7	4461.9	-181.9	-3.9%
3.7%	4574.6	4258.9	-315.7	-6.9%
4.9%	4466.0	4090.2	-375.8	-8.4%
6.2%	4167.8	3872.5	-295.3	-7.1%
7.4%	4073.1	3831.8	-241.3	-5.9%
8.6%	3992.4	3662.4	-330.0	-8.3%
9.9%	3957.8	3570.0	-387.8	-9.8%
11.1%	3897.8	3344.1	-553.7	-14.2%
12.3%	3557.3	3343.0	-214.3	-6.0%
13.6%	3551.3	3292.3	-259.0	-7.3%
14.8%	3520.3	3291.2	-229.1	-6.5%
16.0%	3484.0	3271.8	-212.2	-6.1%
17.3%	3469.5	3211.3	-258.2	-7.4%
18.5%	3448.5	3169.1	-279.4	-8.1%
19.8%	3415.4	3078.0	-337.4	-9.9%
21.0%	3391.8	3068.6	-323.2	-9.5%
22.2%	3354.4	2827.3	-527.1	-15.7%
23.5%	3323.4	2819.1	-504.3	-15.2%
24.7%	3307.5	2811.3	-496.3	-15.0%
25.9%	3301.7	2801.4	-500.3	-15.2%
27.2%	3229.2	2799.6	-429.6	-13.3%
28.4%	3221.5	2789.1	-432.4	-13.4%
29.6%	3211.5	2761.2	-450.3	-14.0%
30.9%	3193.2	2624.6	-568.6	-17.8%
32.1%	3137.0	2598.1	-539.0	-17.2%
33.3%	3136.1	2578.7	-557.4	-17.8%
34.6%	3122.7	2561.9	-560.8	-18.0%
35.8%	3057.7	2469.9	-587.8	-19.2%
37.0%	3007.1	2455.6	-551.6	-18.3%
38.3%	2952.7	2404.2	-548.4	-18.6%
39.5%	2945.9	2385.2	-560.7	-19.0%
40.7%	2945.2	2378.8	-566.4	-19.2%
42.0%	2886.1	2361.2	-524.9	-18.2%
43.2%	2786.1	2320.4	-465.7	-16.7%
44.4%	2784.7	2316.3	-468.5	-16.8%
45.7%	2777.1	2244.5	-532.6	-19.2%
46.9%	2686.1	2160.8	-525.3	-19.6%
48.1%	2588.6	2078.3	-510.4	-19.7%
49.4%	2576.7	1954.3	-622.5	-24.2%
50.6%	2354.6	1677.7	-676.9	-28.7%
51.9%	2333.8	1626.4	-707.4	-30.3%
53.1%	1489.2	1381.0	-108.2	-7.3%
54.3%	723.5	643.9	-79.6	-11.0%
55.6%	703.2	640.5	-62.7	-8.9%
56.8%	683.7	621.0	-62.7	-9.2%
58.0%	682.0	615.0	-67.0	-9.8%
59.3%	657.3	587.0	-70.3	-10.7%
60.5%	608.5	562.7	-45.7	-7.5%
61.7%	602.9	561.0	-41.9	-6.9%
63.0%	595.4	524.4	-71.0	-11.9%
64.2%	591.6	523.8	-67.8	-11.5%
65.4%	577.9	501.9	-76.0	-13.2%
66.7%	344.1	366.1	22.0	6.4%
67.9%	330.4	309.5	-20.9	-6.3%
69.1%	324.5	297.1	-27.5	-8.5%
70.4%	322.6	291.5	-31.1	-9.6%
71.6%	318.6	290.4	-28.2	-8.9%
72.8%	304.6	285.6	-19.0	-6.3%
74.1%	300.8	284.2	-16.6	-5.5%
75.3%	300.1	283.8	-16.4	-5.5%
76.5%	299.5	283.0	-16.6	-5.5%
77.8%	299.3	282.3	-17.1	-5.7%
79.0%	296.6	281.0	-15.5	-5.2%
80.2%	295.0	280.6	-14.3	-4.9%
81.5%	294.2	277.6	-16.6	-5.6%
82.7%	292.4	275.4	-17.0	-5.8%
84.0%	291.6	274.7	-16.9	-5.8%
85.2%	289.5	273.8	-15.7	-5.4%
86.4%	288.9	273.5	-15.4	-5.3%
87.7%	286.5	273.2	-13.3	-4.6%
88.9%	286.2	272.4	-13.7	-4.8%
90.1%	285.5	271.5	-14.0	-4.9%
91.4%	284.4	270.9	-13.5	-4.7%
92.6%	283.1	270.2	-12.9	-4.6%
93.8%	281.7	267.5	-14.2	-5.0%
95.1%	280.7	265.8	-14.9	-5.3%
96.3%	279.0	262.9	-16.1	-5.8%
97.5%	276.5	253.2	-23.3	-8.4%
98.8%	270.5	250.3	-20.3	-7.5%
100.0%	213.3	209.1	-4.2	-2.0%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	4442.1	4274.4	-167.7	-3.8%
1.2%	4267.2	4140.1	-127.1	-3.0%
2.5%	4068.1	3951.9	-116.2	-2.9%
3.7%	4030.6	3875.1	-155.5	-3.9%
4.9%	4025.6	3666.3	-359.3	-8.9%
6.2%	3940.2	3661.0	-279.3	-7.1%
7.4%	3930.7	3611.2	-319.5	-8.1%
8.6%	3711.4	3518.0	-193.4	-5.2%
9.9%	3628.9	3198.8	-430.1	-11.9%
11.1%	3508.2	3027.9	-480.4	-13.7%
12.3%	3468.9	2929.3	-539.7	-15.6%
13.6%	3299.0	2850.7	-448.3	-13.6%
14.8%	3272.6	2829.9	-442.8	-13.5%
16.0%	3225.5	2776.6	-448.9	-13.9%
17.3%	3189.2	2765.4	-423.8	-13.3%
18.5%	3053.8	2733.2	-320.6	-10.5%
19.8%	3017.2	2697.9	-319.3	-10.6%
21.0%	2988.7	2602.0	-386.7	-12.9%
22.2%	2929.9	2503.0	-426.9	-14.6%
23.5%	2889.9	2468.3	-421.6	-14.6%
24.7%	2869.2	2410.8	-458.4	-16.0%
25.9%	2856.2	2400.1	-456.1	-16.0%
27.2%	2743.1	2226.8	-516.3	-18.8%
28.4%	2568.8	2211.0	-357.8	-13.9%
29.6%	2509.2	2150.3	-358.9	-14.3%
30.9%	2441.3	2126.6	-314.7	-12.9%
32.1%	2381.0	1989.4	-391.5	-16.4%
33.3%	2318.5	1866.3	-452.2	-19.5%
34.6%	2289.4	1861.3	-428.1	-18.7%
35.8%	2181.6	1831.3	-350.3	-16.1%
37.0%	2137.3	1809.6	-327.7	-15.3%
38.3%	2103.4	1745.5	-357.9	-17.0%
39.5%	1946.4	1581.1	-365.3	-18.8%
40.7%	1697.4	1542.0	-155.5	-9.2%
42.0%	1635.0	1393.9	-241.1	-14.7%
43.2%	1441.6	1331.9	-109.7	-7.6%
44.4%	1320.2	1294.7	-25.5	-1.9%
45.7%	1300.5	1146.7	-153.8	-11.8%
46.9%	1162.8	1092.6	-70.2	-6.0%
48.1%	673.6	856.2	182.6	27.1%
49.4%	585.3	746.9	161.6	27.6%
50.6%	585.0	671.3	86.2	14.7%
51.9%	559.8	559.2	-0.6	-0.1%
53.1%	528.3	524.5	-3.8	-0.7%
54.3%	522.1	515.9	-6.2	-1.2%
55.6%	520.3	489.5	-30.8	-5.9%
56.8%	505.6	484.6	-21.0	-4.2%
58.0%	489.5	481.8	-7.7	-1.6%
59.3%	488.8	476.4	-12.5	-2.6%
60.5%	481.9	468.2	-13.7	-2.9%
61.7%	478.3	450.7	-27.6	-5.8%
63.0%	460.7	446.2	-14.5	-3.1%
64.2%	429.6	419.5	-10.1	-2.4%
65.4%	424.9	346.8	-78.1	-18.4%
66.7%	385.9	336.1	-49.8	-12.9%
67.9%	346.1	333.9	-12.1	-3.5%
69.1%	338.0	333.0	-4.9	-1.5%
70.4%	335.1	327.8	-7.3	-2.2%
71.6%	322.7	314.8	-7.8	-2.4%
72.8%	318.3	314.5	-3.9	-1.2%
74.1%	316.6	309.0	-7.6	-2.4%
75.3%	312.6	308.6	-4.1	-1.3%
76.5%	309.9	307.3	-2.6	-0.9%
77.8%	309.4	304.2	-5.2	-1.7%
79.0%	289.0	277.7	-11.3	-3.9%
80.2%	281.5	271.7	-9.8	-3.5%
81.5%	280.6	263.3	-17.3	-6.2%
82.7%	268.4	260.0	-8.4	-3.1%
84.0%	263.4	254.3	-9.2	-3.5%
85.2%	259.4	253.4	-6.0	-2.3%
86.4%	254.4	251.6	-2.8	-1.1%
87.7%	253.8	250.8	-3.1	-1.2%
88.9%	251.8	248.6	-3.3	-1.3%
90.1%	251.7	247.9	-3.8	-1.5%
91.4%	247.5	241.9	-5.6	-2.3%
92.6%	247.1	238.5	-8.6	-3.5%
93.8%	246.7	237.9	-8.8	-3.5%
95.1%	242.2	236.7	-5.5	-2.3%
96.3%	238.2	234.6	-3.5	-1.5%
97.5%	199.6	212.9	13.3	6.7%
98.8%	199.6	202.3	2.7	1.3%
100.0%	183.3	183.8	0.5	0.2%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	4173.5	3995.2	-178.3	-4.3%
1.2%	3545.4	3105.1	-440.3	-12.4%
2.5%	3352.9	2799.6	-553.3	-16.5%
3.7%	3175.3	2778.4	-397.0	-12.5%
4.9%	2911.0	2613.0	-298.0	-10.2%
6.2%	2814.1	2430.7	-383.4	-13.6%
7.4%	2689.1	2416.7	-272.4	-10.1%
8.6%	2523.0	2348.6	-174.4	-6.9%
9.9%	2444.5	2343.8	-100.7	-4.1%
11.1%	2379.3	2267.5	-111.8	-4.7%
12.3%	2364.6	2254.8	-109.8	-4.6%
13.6%	2339.5	2210.4	-129.1	-5.5%
14.8%	2320.8	2180.5	-140.3	-6.0%
16.0%	2124.3	2166.5	42.2	2.0%
17.3%	1937.9	1685.6	-252.3	-13.0%
18.5%	1755.1	1625.4	-129.6	-7.4%
19.8%	1478.2	1561.1	82.8	5.6%
21.0%	1411.1	1498.9	87.8	6.2%
22.2%	1306.1	1459.6	153.5	11.8%
23.5%	1293.0	1399.0	106.0	8.2%
24.7%	1218.8	1319.7	100.9	8.3%
25.9%	1141.7	1271.2	129.5	11.3%
27.2%	1109.7	1184.3	74.6	6.7%
28.4%	1099.6	1147.5	47.9	4.4%
29.6%	1093.3	1108.9	15.6	1.4%
30.9%	1047.6	1072.1	24.5	2.3%
32.1%	998.6	1048.5	49.9	5.0%
33.3%	993.3	1016.5	23.3	2.3%
34.6%	985.1	991.9	6.7	0.7%
35.8%	945.9	956.8	10.9	1.2%
37.0%	931.5	925.3	-6.3	-0.7%
38.3%	924.3	921.9	-2.4	-0.3%
39.5%	846.1	905.6	59.4	7.0%
40.7%	819.1	891.4	72.3	8.8%
42.0%	817.0	872.7	55.6	6.8%
43.2%	807.1	860.9	53.7	6.7%
44.4%	806.4	857.4	51.0	6.3%
45.7%	784.6	826.5	41.9	5.3%
46.9%	780.8	800.8	20.0	2.6%
48.1%	745.1	745.8	0.6	0.1%
49.4%	731.1	720.8	-10.3	-1.4%
50.6%	695.4	717.1	21.7	3.1%
51.9%	686.6	681.8	-4.8	-0.7%
53.1%	683.3	670.5	-12.8	-1.9%
54.3%	662.9	658.5	-4.4	-0.7%
55.6%	652.5	655.5	3.0	0.5%
56.8%	642.9	627.4	-15.5	-2.4%
58.0%	627.4	621.9	-5.6	-0.9%
59.3%	600.7	621.1	20.4	3.4%
60.5%	506.0	618.4	112.4	22.2%
61.7%	407.2	608.0	200.9	49.3%
63.0%	389.3	572.1	182.8	46.9%
64.2%	381.5	518.2	136.7	35.8%
65.4%	364.3	502.4	138.0	37.9%
66.7%	363.5	459.8	96.3	26.5%
67.9%	357.0	389.9	32.9	9.2%
69.1%	350.9	362.9	12.0	3.4%
70.4%	297.9	361.0	63.1	21.2%
71.6%	278.4	341.7	63.3	22.7%
72.8%	267.7	312.7	45.0	16.8%
74.1%	260.5	279.9	19.3	7.4%
75.3%	233.3	239.8	6.5	2.8%
76.5%	229.9	237.3	7.4	3.2%
77.8%	214.3	220.9	6.6	3.1%
79.0%	212.9	218.3	5.5	2.6%
80.2%	201.0	208.8	7.8	3.9%
81.5%	200.3	206.1	5.8	2.9%
82.7%	196.5	204.2	7.6	3.9%
84.0%	192.0	204.1	12.2	6.3%
85.2%	191.9	199.8	7.9	4.1%
86.4%	188.3	194.5	6.2	3.3%
87.7%	186.7	189.5	2.9	1.5%
88.9%	185.1	186.4	1.3	0.7%
90.1%	184.5	185.6	1.1	0.6%
91.4%	184.1	185.4	1.3	0.7%
92.6%	184.1	183.6	-0.5	-0.3%
93.8%	181.6	181.2	-0.4	-0.2%
95.1%	180.9	181.0	0.1	0.1%
96.3%	179.4	179.6	0.2	0.1%
97.5%	179.2	179.5	0.3	0.2%
98.8%	178.2	178.2	0.0	0.0%
100.0%	177.9	177.9	-0.1	0.0%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	3146.0	2770.2	-375.8	-11.9%
1.2%	1770.0	1861.4	91.4	5.2%
2.5%	1456.4	1373.5	-82.9	-5.7%
3.7%	1195.7	1363.9	168.2	14.1%
4.9%	1169.6	1206.9	37.3	3.2%
6.2%	1164.6	1167.1	2.5	0.2%
7.4%	1124.4	1167.0	42.6	3.8%
8.6%	1111.1	1100.0	-11.1	-1.0%
9.9%	1029.9	1053.8	23.9	2.3%
11.1%	1003.4	1018.4	15.0	1.5%
12.3%	977.7	1008.7	30.9	3.2%
13.6%	946.1	1004.9	58.8	6.2%
14.8%	930.5	990.8	60.3	6.5%
16.0%	912.9	938.9	26.0	2.8%
17.3%	897.9	932.2	34.2	3.8%
18.5%	878.7	901.9	23.2	2.6%
19.8%	872.4	897.3	24.9	2.9%
21.0%	836.0	884.0	48.0	5.7%
22.2%	799.6	862.6	63.0	7.9%
23.5%	727.9	814.6	86.7	11.9%
24.7%	720.4	809.7	89.2	12.4%
25.9%	694.1	757.3	63.2	9.1%
27.2%	677.8	731.4	53.6	7.9%
28.4%	677.7	716.6	38.8	5.7%
29.6%	597.8	602.2	4.4	0.7%
30.9%	554.1	578.4	24.3	4.4%
32.1%	539.3	571.2	32.0	5.9%
33.3%	490.8	549.3	58.4	11.9%
34.6%	400.0	500.6	100.7	25.2%
35.8%	383.9	498.1	114.2	29.7%
37.0%	369.1	495.3	126.2	34.2%
38.3%	358.2	480.9	122.7	34.2%
39.5%	358.2	452.9	94.8	26.5%
40.7%	351.8	426.6	74.9	21.3%
42.0%	322.8	409.5	86.7	26.9%
43.2%	316.6	395.3	78.8	24.9%
44.4%	311.5	352.8	41.2	13.2%
45.7%	272.6	346.1	73.5	27.0%
46.9%	265.2	345.6	80.4	30.3%
48.1%	263.2	342.4	79.2	30.1%
49.4%	243.7	335.3	91.6	37.6%
50.6%	239.1	296.5	57.4	24.0%
51.9%	237.2	267.8	30.6	12.9%
53.1%	236.4	261.3	24.9	10.6%
54.3%	235.5	253.2	17.7	7.5%
55.6%	221.3	253.1	31.8	14.4%
56.8%	212.3	235.2	22.8	10.7%
58.0%	211.7	233.7	22.1	10.4%
59.3%	207.4	227.0	19.6	9.4%
60.5%	203.3	216.3	13.0	6.4%
61.7%	201.5	206.7	5.2	2.6%
63.0%	199.6	204.9	5.3	2.7%
64.2%	199.1	204.6	5.5	2.8%
65.4%	198.6	201.9	3.2	1.6%
66.7%	198.0	201.8	3.8	1.9%
67.9%	193.7	198.7	5.0	2.6%
69.1%	192.6	195.5	2.9	1.5%
70.4%	192.3	193.6	1.3	0.7%
71.6%	189.0	191.8	2.8	1.5%
72.8%	188.2	189.7	1.5	0.8%
74.1%	188.0	188.9	0.9	0.5%
75.3%	187.7	187.6	-0.1	-0.1%
76.5%	187.1	187.3	0.2	0.1%
77.8%	185.9	186.8	1.0	0.5%
79.0%	185.7	186.3	0.6	0.3%
80.2%	185.5	185.6	0.0	0.0%
81.5%	185.1	184.9	-0.1	-0.1%
82.7%	185.0	184.8	-0.2	-0.1%
84.0%	183.9	184.4	0.5	0.3%
85.2%	183.5	183.5	0.0	0.0%
86.4%	182.8	183.2	0.4	0.2%
87.7%	182.1	182.6	0.5	0.3%
88.9%	181.9	182.0	0.2	0.1%
90.1%	180.7	180.3	-0.4	-0.2%
91.4%	180.1	180.3	0.2	0.1%
92.6%	179.9	180.1	0.2	0.1%
93.8%	179.5	179.5	0.0	0.0%
95.1%	179.4	179.5	0.1	0.1%
96.3%	179.4	179.4	0.0	0.0%
97.5%	179.2	179.3	0.0	0.0%
98.8%	178.7	179.0	0.3	0.1%
100.0%	177.8	177.9	0.1	0.1%

Table SQ-21-b

Sacramento River at Emmaton, Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2256.9	1235.3	-1021.6	-45.3%
1.2%	1150.1	926.0	-224.1	-19.5%
2.5%	571.8	589.9	18.1	3.2%
3.7%	571.1	573.3	2.2	0.4%
4.9%	430.8	535.8	105.0	24.4%
6.2%	412.8	503.6	90.7	22.0%
7.4%	406.9	436.0	29.1	7.2%
8.6%	399.8	433.2	33.4	8.3%
9.9%	381.0	424.4	43.4	11.4%
11.1%	354.2	412.0	57.8	16.3%
12.3%	348.0	393.3	45.4	13.0%
13.6%	328.9	367.2	38.3	11.7%
14.8%	308.4	337.3	28.9	9.4%
16.0%	286.7	314.6	27.9	9.7%
17.3%	253.9	298.2	44.3	17.4%
18.5%	251.6	283.6	32.0	12.7%
19.8%	243.2	272.4	29.3	12.0%
21.0%	227.7	266.9	39.2	17.2%
22.2%	227.0	246.4	19.3	8.5%
23.5%	224.1	234.0	9.9	4.4%
24.7%	215.1	224.1	8.9	4.2%
25.9%	214.6	223.7	9.0	4.2%
27.2%	212.6	223.2	10.6	5.0%
28.4%	210.6	220.6	10.0	4.7%
29.6%	209.4	220.3	10.8	5.2%
30.9%	208.6	217.9	9.3	4.5%
32.1%	207.4	214.1	6.7	3.2%
33.3%	207.4	212.1	4.7	2.3%
34.6%	207.3	212.0	4.7	2.3%
35.8%	206.8	210.5	3.7	1.8%
37.0%	202.9	210.0	7.1	3.5%
38.3%	202.7	209.3	6.6	3.3%
39.5%	200.1	206.5	6.3	3.2%
40.7%	199.8	206.2	6.4	3.2%
42.0%	198.8	205.8	7.0	3.5%
43.2%	197.6	199.8	2.1	1.1%
44.4%	196.6	199.0	2.5	1.3%
45.7%	195.1	197.4	2.3	1.2%
46.9%	193.6	196.5	2.9	1.5%
48.1%	191.0	195.6	4.7	2.4%
49.4%	190.1	193.1	3.0	1.6%
50.6%	190.0	191.2	1.1	0.6%
51.9%	190.0	191.1	1.2	0.6%
53.1%	188.8	191.1	2.3	1.2%
54.3%	188.4	190.1	1.7	0.9%
55.6%	188.0	189.7	1.6	0.9%
56.8%	187.9	188.5	0.6	0.3%
58.0%	187.8	188.2	0.4	0.2%
59.3%	186.5	187.6	1.1	0.6%
60.5%	186.3	187.4	1.0	0.6%
61.7%	185.5	186.6	1.1	0.6%
63.0%	184.6	186.5	1.9	1.0%
64.2%	184.2	185.6	1.4	0.8%
65.4%	183.8	184.7	0.9	0.5%
66.7%	183.7	184.6	0.8	0.4%
67.9%	183.6	184.2	0.6	0.3%
69.1%	183.6	184.1	0.5	0.3%
70.4%	183.4	183.9	0.5	0.3%
71.6%	182.9	183.0	0.0	0.0%
72.8%	182.7	182.8	0.2	0.1%
74.1%	182.6	182.7	0.1	0.1%
75.3%	182.5	182.6	0.1	0.0%
76.5%	182.1	182.5	0.4	0.2%
77.8%	182.0	182.4	0.4	0.2%
79.0%	182.0	182.2	0.1	0.1%
80.2%	182.0	182.1	0.1	0.0%
81.5%	181.9	182.0	0.1	0.1%
82.7%	181.7	181.7	0.1	0.0%
84.0%	181.6	181.7	0.0	0.0%
85.2%	181.6	181.6	0.1	0.0%
86.4%	181.5	181.6	0.0	0.0%
87.7%	181.4	181.6	0.1	0.1%
88.9%	181.4	181.4	0.1	0.0%
90.1%	180.7	180.7	0.0	0.0%
91.4%	180.6	180.6	0.0	0.0%
92.6%	179.9	180.2	0.3	0.1%
93.8%	179.9	180.2	0.3	0.2%
95.1%	179.8	180.0	0.2	0.1%
96.3%	179.7	179.6	-0.1	-0.1%
97.5%	178.9	179.3	0.4	0.2%
98.8%	177.7	177.7	0.0	0.0%
100.0%	177.1	177.1	0.0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	978.3	994.9	16.6	1.7%
1.2%	536.8	551.9	15.1	2.8%
2.5%	419.2	425.7	6.6	1.6%
3.7%	365.8	356.3	-9.5	-2.6%
4.9%	324.2	334.4	10.2	3.2%
6.2%	320.2	330.2	10.0	3.1%
7.4%	308.1	313.5	5.4	1.8%
8.6%	296.0	298.8	2.8	0.9%
9.9%	286.1	297.0	10.9	3.8%
11.1%	279.4	296.5	17.1	6.1%
12.3%	271.1	287.1	16.0	5.9%
13.6%	266.3	273.5	7.2	2.7%
14.8%	259.4	263.6	4.2	1.6%
16.0%	246.0	234.2	-11.8	-4.8%
17.3%	234.7	234.1	-0.6	-0.3%
18.5%	224.4	230.6	6.2	2.8%
19.8%	210.9	223.4	12.4	5.9%
21.0%	209.8	215.3	5.5	2.6%
22.2%	207.8	209.4	1.6	0.8%
23.5%	206.6	207.4	0.7	0.4%
24.7%	206.5	206.6	0.1	0.0%
25.9%	206.3	206.4	0.1	0.1%
27.2%	206.0	204.5	-1.5	-0.7%
28.4%	197.3	204.5	7.2	3.6%
29.6%	197.0	203.5	6.5	3.3%
30.9%	196.8	201.9	5.1	2.6%
32.1%	195.3	201.2	5.8	3.0%
33.3%	194.7	200.6	5.9	3.0%
34.6%	194.7	200.5	5.9	3.0%
35.8%	194.3	200.2	6.0	3.1%
37.0%	193.9	199.4	5.4	2.8%
38.3%	192.8	196.8	4.0	2.1%
39.5%	192.6	196.5	3.9	2.0%
40.7%	191.8	195.9	4.1	2.2%
42.0%	191.6	194.3	2.7	1.4%
43.2%	191.3	192.5	1.3	0.7%
44.4%	190.3	192.3	2.0	1.1%
45.7%	189.5	191.8	2.2	1.2%
46.9%	188.9	191.4	2.5	1.3%
48.1%	188.2	189.4	1.1	0.6%
49.4%	187.9	188.8	1.0	0.5%
50.6%	187.1	188.4	1.4	0.7%
51.9%	186.1	188.0	1.9	1.0%
53.1%	186.0	187.9	1.9	1.0%
54.3%	185.8	187.8	2.0	1.1%
55.6%	185.7	187.6	1.9	1.0%
56.8%	185.6	187.3	1.7	0.9%
58.0%	185.5	186.9	1.4	0.8%
59.3%	185.2	186.0	0.9	0.5%
60.5%	184.5	186.0	1.5	0.8%
61.7%	183.9	185.4	1.5	0.8%
63.0%	183.7	185.3	1.6	0.9%
64.2%	183.7	184.8	1.0	0.6%
65.4%	183.5	184.0	0.5	0.3%
66.7%	182.8	183.9	1.1	0.6%
67.9%	182.7	183.5	0.7	0.4%
69.1%	182.3	183.4	1.1	0.6%
70.4%	182.0	183.2	1.2	0.6%
71.6%	181.9	182.9	1.0	0.5%
72.8%	181.9	182.7	0.8	0.5%
74.1%	181.8	182.3	0.4	0.2%
75.3%	181.5	182.1	0.5	0.3%
76.5%	181.4	181.7	0.3	0.1%
77.8%	181.3	181.5	0.1	0.1%
79.0%	181.3	181.4	0.0	0.0%
80.2%	181.1	181.3	0.2	0.1%
81.5%	181.1	181.1	0.0	0.0%
82.7%	180.9	181.0	0.1	0.1%
84.0%	180.9	180.9	0.1	0.0%
85.2%	180.8	180.9	0.0	0.0%
86.4%	180.7	180.5	-0.1	-0.1%
87.7%	180.5	180.4	-0.1	0.0%
88.9%	180.3	180.3	0.0	0.0%
90.1%	179.6	180.2	0.5	0.3%
91.4%	179.4	179.8	0.5	0.3%
92.6%	179.3	179.3	-0.1	0.0%
93.8%	179.2	179.2	0.0	0.0%
95.1%	179.0	179.2	0.1	0.1%
96.3%	179.0	179.0	0.0	0.0%
97.5%	179.0	178.9	-0.1	-0.1%
98.8%	178.6	178.7	0.0	0.0%
100.0%	178.3	178.4	0.1	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1024.9	1034.8	9.9	1.0%
1.2%	680.0	657.0	-23.0	-3.4%
2.5%	662.2	624.5	-37.7	-5.7%
3.7%	485.0	479.6	-5.4	-1.1%
4.9%	454.4	459.6	5.1	1.1%
6.2%	452.9	430.8	-22.1	-4.9%
7.4%	417.0	412.3	-4.7	-1.1%
8.6%	383.2	379.2	-4.1	-1.1%
9.9%	371.8	376.1	4.3	1.2%
11.1%	371.5	363.8	-7.7	-2.1%
12.3%	354.5	363.7	9.2	2.6%
13.6%	333.1	330.4	-2.7	-0.8%
14.8%	318.4	319.1	0.7	0.2%
16.0%	317.7	312.8	-5.0	-1.6%
17.3%	301.8	308.9	7.1	2.4%
18.5%	300.1	302.6	2.5	0.8%
19.8%	286.8	295.3	8.4	2.9%
21.0%	284.5	291.0	6.5	2.3%
22.2%	282.1	290.8	8.8	3.1%
23.5%	262.6	286.3	23.7	9.0%
24.7%	255.0	277.5	22.5	8.8%
25.9%	247.1	274.3	27.2	11.0%
27.2%	241.2	272.1	30.9	12.8%
28.4%	241.1	264.5	23.4	9.7%
29.6%	239.2	259.8	20.6	8.6%
30.9%	232.5	247.4	14.9	6.4%
32.1%	232.2	247.3	15.1	6.5%
33.3%	230.5	241.3	10.8	4.7%
34.6%	228.3	230.4	2.1	0.9%
35.8%	227.1	230.3	3.1	1.4%
37.0%	227.1	228.3	1.2	0.5%
38.3%	225.4	218.9	-6.5	-2.9%
39.5%	225.3	217.4	-7.9	-3.5%
40.7%	219.9	215.6	-4.3	-2.0%
42.0%	213.7	214.4	0.7	0.3%
43.2%	212.6	212.7	0.1	0.1%
44.4%	211.4	211.9	0.5	0.2%
45.7%	210.2	210.4	0.2	0.1%
46.9%	208.1	208.7	0.6	0.3%
48.1%	206.9	204.2	-2.7	-1.3%
49.4%	205.8	203.6	-2.2	-1.1%
50.6%	205.4	203.3	-2.1	-1.0%
51.9%	205.2	202.8	-2.3	-1.1%
53.1%	204.2	202.6	-1.6	-0.8%
54.3%	203.1	202.6	-0.6	-0.3%
55.6%	197.7	200.1	2.4	1.2%
56.8%	197.3	197.9	0.7	0.3%
58.0%	197.0	197.8	0.7	0.4%
59.3%	196.4	197.5	1.1	0.5%
60.5%	196.4	196.7	0.3	0.2%
61.7%	195.9	195.2	-0.7	-0.4%
63.0%	195.3	194.9	-0.4	-0.2%
64.2%	194.5	194.4	-0.1	0.0%
65.4%	194.1	194.1	0.0	0.0%
66.7%	193.4	194.0	0.6	0.3%
67.9%	193.3	193.9	0.7	0.3%
69.1%	192.2	193.7	1.5	0.8%
70.4%	191.5	193.3	1.8	1.0%
71.6%	190.9	192.2	1.3	0.7%
72.8%	190.8	191.9	1.1	0.6%
74.1%	190.7	191.1	0.3	0.2%
75.3%	189.4	189.4	0.0	0.0%
76.5%	189.0	188.9	0.0	0.0%
77.8%	188.7	188.8	0.1	0.0%
79.0%	188.0	187.9	-0.1	0.0%
80.2%	186.6	187.4	0.8	0.4%
81.5%	186.2	186.8	0.6	0.3%
82.7%	186.1	185.9	-0.2	-0.1%
84.0%	184.7	185.7	1.0	0.6%
85.2%	184.3	185.6	1.3	0.7%
86.4%	183.9	184.6	0.6	0.4%
87.7%	183.8	184.2	0.4	0.2%
88.9%	183.6	183.9	0.3	0.2%
90.1%	182.8	182.9	0.1	0.1%
91.4%	182.2	182.3	0.1	0.0%
92.6%	180.9	181.2	0.4	0.2%
93.8%	180.6	180.6	0.0	0.0%
95.1%	180.2	180.3	0.0	0.0%
96.3%	179.3	179.5	0.2	0.1%
97.5%	179.2	179.1	-0.1	0.0%
98.8%	178.6	178.5	0.0	0.0%
100.0%	178.1	178.1	0.0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2173.5	2179.4	5.8	0.3%
1.2%	1863.0	1808.7	-54.2	-2.9%
2.5%	1588.5	1640.2	51.7	3.3%
3.7%	1580.2	1565.5	-14.7	-0.9%
4.9%	790.2	784.9	-5.3	-0.7%
6.2%	777.6	780.7	3.1	0.4%
7.4%	774.1	770.0	-4.1	-0.5%
8.6%	746.5	751.0	4.4	0.6%
9.9%	690.8	696.9	6.1	0.9%
11.1%	678.1	669.8	-8.4	-1.2%
12.3%	639.8	639.5	-0.3	0.0%
13.6%	566.5	552.3	-14.1	-2.5%
14.8%	508.0	504.6	-3.4	-0.7%
16.0%	465.0	461.0	-4.0	-0.9%
17.3%	460.0	458.8	-1.3	-0.3%
18.5%	458.5	453.5	-5.0	-1.1%
19.8%	457.9	449.0	-8.8	-1.9%
21.0%	449.5	447.6	-1.9	-0.4%
22.2%	448.0	447.4	-0.6	-0.1%
23.5%	446.5	438.4	-8.1	-1.8%
24.7%	439.6	436.1	-3.5	-0.8%
25.9%	437.8	434.5	-3.4	-0.8%
27.2%	436.1	416.2	-19.9	-4.6%
28.4%	434.2	415.4	-18.7	-4.3%
29.6%	426.4	414.9	-11.5	-2.7%
30.9%	421.0	409.3	-11.7	-2.8%
32.1%	420.6	403.9	-16.7	-4.0%
33.3%	419.5	403.8	-15.8	-3.8%
34.6%	419.5	397.4	-22.1	-5.3%
35.8%	414.3	389.3	-25.0	-6.0%
37.0%	414.2	383.2	-31.0	-7.5%
38.3%	407.9	374.6	-33.3	-8.2%
39.5%	406.1	365.3	-40.8	-10.0%
40.7%	402.6	361.9	-40.6	-10.1%
42.0%	366.0	361.9	-4.1	-1.1%
43.2%	344.6	346.9	2.3	0.7%
44.4%	330.8	333.6	2.8	0.8%
45.7%	328.1	329.6	1.6	0.5%
46.9%	326.9	316.3	-10.5	-3.2%
48.1%	307.7	309.7	2.0	0.6%
49.4%	304.2	308.6	4.4	1.4%
50.6%	301.8	300.9	-0.9	-0.3%
51.9%	286.2	288.1	1.9	0.7%
53.1%	280.6	278.0	-2.6	-0.9%
54.3%	280.5	276.9	-3.6	-1.3%
55.6%	275.9	272.9	-3.0	-1.1%
56.8%	272.7	271.8	-0.8	-0.3%
58.0%	264.8	268.3	3.5	1.3%
59.3%	264.2	267.0	2.7	1.0%
60.5%	263.9	266.7	2.8	1.1%
61.7%	262.8	264.0	1.2	0.4%
63.0%	253.6	259.2	5.6	2.2%
64.2%	250.2	254.7	4.5	1.8%
65.4%	246.1	244.4	-1.7	-0.7%
66.7%	244.6	241.7	-2.9	-1.2%
67.9%	228.8	230.8	2.0	0.9%
69.1%	226.1	220.3	-5.8	-2.6%
70.4%	215.6	215.3	-0.2	-0.1%
71.6%	214.1	215.1	1.0	0.5%
72.8%	212.2	212.3	0.0	0.0%
74.1%	210.8	211.0	0.2	0.1%
75.3%	210.6	209.9	-0.8	-0.4%
76.5%	207.7	208.9	1.1	0.5%
77.8%	207.6	207.5	-0.1	0.0%
79.0%	201.7	204.7	3.0	1.5%
80.2%	200.6	201.6	1.0	0.5%
81.5%	199.8	200.9	1.1	0.6%
82.7%	196.3	200.0	3.7	1.9%
84.0%	196.2	197.0	0.8	0.4%
85.2%	196.1	196.5	0.4	0.2%
86.4%	195.5	196.5	1.0	0.5%
87.7%	190.9	195.5	4.6	2.4%
88.9%	190.6	191.4	0.8	0.4%
90.1%	190.2	190.9	0.7	0.4%
91.4%	189.9	190.6	0.7	0.4%
92.6%	186.5	185.9	-0.6	-0.3%
93.8%	185.6	185.8	0.2	0.1%
95.1%	184.2	185.2	1.0	0.5%
96.3%	184.0	184.2	0.2	0.1%
97.5%	182.0	181.7	-0.3	-0.1%
98.8%	180.1	180.0	-0.1	0.0%
100.0%	177.1	177.3	0.2	0.1%

Table SQ-21-b

Sacramento River at Emmaton, Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2978.9	3028.9	50.0	1.7%
1.2%	2853.3	2788.4	-64.9	-2.3%
2.5%	2789.4	2529.0	-260.4	-9.3%
3.7%	2731.0	2509.0	-222.1	-8.1%
4.9%	1142.0	1142.4	0.4	0.0%
6.2%	1135.5	1116.5	-19.0	-1.7%
7.4%	1116.3	1102.9	-13.5	-1.2%
8.6%	1093.6	1039.2	-54.3	-5.0%
9.9%	1072.9	1013.3	-59.6	-5.6%
11.1%	1064.9	951.7	-113.2	-10.6%
12.3%	1008.3	940.0	-68.3	-6.8%
13.6%	976.1	842.8	-133.3	-13.7%
14.8%	948.1	840.3	-107.8	-11.4%
16.0%	859.4	822.0	-37.4	-4.4%
17.3%	857.4	809.8	-47.6	-5.6%
18.5%	841.6	787.0	-54.6	-6.5%
19.8%	840.9	779.1	-61.7	-7.3%
21.0%	817.8	771.3	-46.5	-5.7%
22.2%	813.1	766.2	-46.9	-5.8%
23.5%	805.9	741.4	-64.6	-8.0%
24.7%	803.0	709.7	-93.3	-11.6%
25.9%	778.6	693.3	-85.2	-10.9%
27.2%	772.7	689.9	-82.8	-10.7%
28.4%	747.6	688.1	-59.5	-8.0%
29.6%	743.7	679.9	-63.8	-8.6%
30.9%	738.6	674.9	-63.6	-8.6%
32.1%	712.6	672.7	-39.9	-5.6%
33.3%	703.7	654.0	-49.7	-7.1%
34.6%	696.1	654.0	-42.2	-6.1%
35.8%	692.8	632.6	-60.2	-8.7%
37.0%	688.3	631.7	-56.6	-8.2%
38.3%	685.6	624.5	-61.1	-8.9%
39.5%	684.0	603.0	-81.0	-11.8%
40.7%	673.6	576.6	-97.0	-14.4%
42.0%	664.4	574.0	-90.4	-13.6%
43.2%	657.3	543.1	-114.2	-17.4%
44.4%	640.3	535.8	-104.5	-16.3%
45.7%	638.2	531.1	-107.1	-16.8%
46.9%	620.4	527.1	-93.3	-15.0%
48.1%	598.8	525.8	-73.0	-12.2%
49.4%	579.3	523.0	-56.3	-9.7%
50.6%	539.2	522.2	-16.9	-3.1%
51.9%	524.1	515.2	-8.9	-1.7%
53.1%	520.7	489.4	-31.3	-6.0%
54.3%	505.7	487.3	-18.4	-3.6%
55.6%	489.0	485.8	-3.3	-0.7%
56.8%	486.0	485.0	-1.0	-0.2%
58.0%	484.8	484.4	-0.5	-0.1%
59.3%	481.6	483.0	1.4	0.3%
60.5%	480.1	480.7	0.6	0.1%
61.7%	472.5	471.7	-0.7	-0.2%
63.0%	471.3	469.2	-2.1	-0.4%
64.2%	466.6	466.6	0.0	0.0%
65.4%	461.9	462.9	1.0	0.2%
66.7%	460.9	460.9	0.0	0.0%
67.9%	450.5	455.5	5.1	1.1%
69.1%	440.1	444.7	4.6	1.0%
70.4%	438.6	438.1	-0.5	-0.1%
71.6%	433.4	434.4	1.0	0.2%
72.8%	430.9	427.3	-3.6	-0.8%
74.1%	426.4	414.6	-11.7	-2.8%
75.3%	414.2	408.4	-5.8	-1.4%
76.5%	412.6	404.5	-8.1	-2.0%
77.8%	403.2	396.9	-6.3	-1.6%
79.0%	382.8	392.5	9.7	2.5%
80.2%	379.7	383.3	3.7	1.0%
81.5%	378.9	381.4	2.5	0.7%
82.7%	365.3	371.6	6.3	1.7%
84.0%	365.2	358.5	-6.7	-1.8%
85.2%	362.5	351.8	-10.6	-2.9%
86.4%	349.6	334.9	-14.7	-4.2%
87.7%	324.1	324.3	0.2	0.1%
88.9%	304.9	305.2	0.3	0.1%
90.1%	263.0	261.4	-1.5	-0.6%
91.4%	254.8	255.9	1.1	0.4%
92.6%	251.6	251.9	0.3	0.1%
93.8%	251.1	247.7	-3.4	-1.4%
95.1%	247.0	245.9	-1.2	-0.5%
96.3%	239.8	237.3	-2.5	-1.0%
97.5%	231.6	220.7	-10.9	-4.7%
98.8%	230.9	208.3	-22.5	-9.8%
100.0%	183.9	181.8	-2.1	-1.1%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2986.4	2898.4	-88.0	-2.9%
1.2%	2920.8	2735.6	-185.2	-6.3%
2.5%	2851.7	2686.7	-165.0	-5.8%
3.7%	2682.7	2525.7	-157.0	-5.9%
4.9%	2072.2	1961.4	-110.8	-5.3%
6.2%	2069.2	1952.1	-117.1	-5.7%
7.4%	2052.1	1896.7	-155.4	-7.6%
8.6%	2033.9	1892.2	-141.6	-7.0%
9.9%	2009.2	1737.8	-271.4	-13.5%
11.1%	1613.6	1454.5	-159.2	-9.9%
12.3%	1579.9	1416.4	-163.5	-10.3%
13.6%	1542.5	1407.0	-135.5	-8.8%
14.8%	1504.7	1385.0	-119.7	-8.0%
16.0%	1495.4	1321.8	-173.5	-11.6%
17.3%	1493.8	1237.6	-256.1	-17.1%
18.5%	1434.9	1183.6	-251.3	-17.5%
19.8%	1402.6	1174.7	-227.8	-16.2%
21.0%	1385.5	1171.0	-214.5	-15.5%
22.2%	1278.4	1156.3	-122.2	-9.6%
23.5%	1212.7	1123.4	-89.4	-7.4%
24.7%	1199.7	1115.1	-84.6	-7.1%
25.9%	1134.0	1110.3	-23.7	-2.1%
27.2%	1101.1	1038.4	-62.7	-5.7%
28.4%	1099.5	915.7	-183.8	-16.7%
29.6%	1024.7	903.7	-121.0	-11.8%
30.9%	898.0	891.8	-6.2	-0.7%
32.1%	888.6	890.2	1.6	0.2%
33.3%	870.0	864.1	-5.9	-0.7%
34.6%	861.6	832.5	-29.1	-3.4%
35.8%	816.0	818.7	2.6	0.3%
37.0%	716.1	802.6	86.5	12.1%
38.3%	688.7	704.0	15.3	2.2%
39.5%	657.9	653.3	-4.6	-0.7%
40.7%	640.9	647.2	6.3	1.0%
42.0%	618.1	613.4	-4.7	-0.8%
43.2%	605.0	561.1	-43.9	-7.3%
44.4%	571.7	555.4	-16.4	-2.9%
45.7%	555.5	544.7	-10.8	-1.9%
46.9%	538.2	537.7	-0.5	-0.1%
48.1%	538.1	526.9	-11.2	-2.1%
49.4%	534.4	523.2	-11.3	-2.1%
50.6%	524.3	504.1	-20.2	-3.8%
51.9%	517.6	488.4	-29.2	-5.6%
53.1%	495.2	480.6	-14.7	-3.0%
54.3%	485.8	446.1	-39.6	-8.2%
55.6%	446.4	439.6	-6.7	-1.5%
56.8%	441.4	431.2	-10.2	-2.3%
58.0%	427.5	423.9	-3.6	-0.8%
59.3%	418.0	422.8	4.8	1.1%
60.5%	409.7	394.6	-15.2	-3.7%
61.7%	404.9	393.9	-11.0	-2.7%
63.0%	393.5	375.8	-17.8	-4.5%
64.2%	379.2	367.8	-11.4	-3.0%
65.4%	374.8	360.4	-14.5	-3.9%
66.7%	358.8	357.2	-1.6	-0.4%
67.9%	356.0	357.2	1.2	0.3%
69.1%	355.7	353.2	-2.4	-0.7%
70.4%	348.5	349.2	0.7	0.2%
71.6%	348.2	348.6	0.4	0.1%
72.8%	348.1	348.1	0.0	0.0%
74.1%	347.3	343.9	-3.4	-1.0%
75.3%	347.1	343.6	-3.5	-1.0%
76.5%	346.3	340.9	-5.4	-1.6%
77.8%	343.6	326.8	-16.7	-4.9%
79.0%	342.5	323.9	-18.6	-5.4%
80.2%	332.4	321.9	-10.5	-3.2%
81.5%	324.9	320.8	-4.1	-1.3%
82.7%	322.2	319.9	-2.3	-0.7%
84.0%	322.0	316.8	-5.2	-1.6%
85.2%	321.4	315.2	-6.2	-1.9%
86.4%	320.0	312.6	-7.4	-2.3%
87.7%	316.0	311.7	-4.4	-1.4%
88.9%	313.4	303.6	-9.9	-3.1%
90.1%	301.0	295.7	-5.3	-1.8%
91.4%	299.9	293.1	-6.7	-2.2%
92.6%	297.9	291.1	-6.8	-2.3%
93.8%	280.9	285.5	4.6	1.6%
95.1%	276.3	279.7	3.4	1.2%
96.3%	274.0	270.5	-3.5	-1.3%
97.5%	266.2	266.1	-0.1	-0.1%
98.8%	245.4	247.9	2.5	1.0%
100.0%	217.0	218.9	1.8	0.8%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2802.1	2811.0	8.9	0.3%
1.2%	2786.0	2757.9	-28.1	-1.0%
2.5%	2757.3	2606.7	-150.6	-5.5%
3.7%	2712.5	2592.0	-120.5	-4.4%
4.9%	2684.5	2539.8	-144.8	-5.4%
6.2%	2634.7	2448.5	-186.2	-7.1%
7.4%	2609.5	2396.4	-213.1	-8.2%
8.6%	2594.1	2377.1	-216.9	-8.4%
9.9%	2537.6	2369.6	-167.9	-6.6%
11.1%	2506.0	2254.8	-251.2	-10.0%
12.3%	2486.3	2254.7	-231.6	-9.3%
13.6%	2416.0	2180.9	-235.1	-9.7%
14.8%	2129.4	2144.5	15.0	0.7%
16.0%	2106.5	1972.4	-134.2	-6.4%
17.3%	2088.6	1961.4	-127.1	-6.1%
18.5%	2055.8	1946.6	-109.2	-5.3%
19.8%	2054.5	1911.3	-143.2	-7.0%
21.0%	2026.9	1882.2	-144.7	-7.1%
22.2%	2003.3	1845.8	-157.5	-7.9%
23.5%	1987.8	1814.9	-172.9	-8.7%
24.7%	1977.0	1809.0	-168.0	-8.5%
25.9%	1959.3	1749.8	-209.5	-10.7%
27.2%	1947.0	1738.6	-208.4	-10.7%
28.4%	1898.2	1737.5	-160.7	-8.5%
29.6%	1884.6	1722.4	-162.2	-8.6%
30.9%	1883.4	1637.2	-246.2	-13.1%
32.1%	1821.1	1586.8	-234.3	-12.9%
33.3%	1783.9	1433.8	-350.1	-19.6%
34.6%	1782.4	1433.3	-349.1	-19.6%
35.8%	1781.4	1421.7	-359.7	-20.2%
37.0%	1708.8	1410.5	-298.3	-17.5%
38.3%	1604.1	1396.3	-207.8	-13.0%
39.5%	1559.8	1339.4	-220.4	-14.1%
40.7%	1528.7	1338.6	-190.1	-12.4%
42.0%	1452.6	1335.2	-117.4	-8.1%
43.2%	1381.1	1311.6	-69.5	-5.0%
44.4%	1327.0	1230.7	-96.3	-7.3%
45.7%	1300.8	1223.7	-77.1	-5.9%
46.9%	1278.6	1175.4	-103.3	-8.1%
48.1%	1267.8	1172.4	-95.4	-7.5%
49.4%	1249.0	1164.6	-84.4	-6.8%
50.6%	1235.9	1149.8	-86.1	-7.0%
51.9%	1214.0	1145.5	-68.5	-5.6%
53.1%	1198.5	1112.5	-86.0	-7.2%
54.3%	1170.3	1112.0	-58.3	-5.0%
55.6%	1169.3	1076.4	-92.9	-7.9%
56.8%	1153.4	1074.7	-78.7	-6.8%
58.0%	1129.3	1063.9	-65.4	-5.8%
59.3%	1121.9	1046.7	-75.2	-6.7%
60.5%	1116.8	1039.4	-77.4	-6.9%
61.7%	1098.1	1018.4	-79.7	-7.3%
63.0%	1086.6	1010.8	-75.8	-7.0%
64.2%	1078.0	1009.0	-68.9	-6.4%
65.4%	1067.1	998.4	-68.7	-6.4%
66.7%	1039.1	995.8	-43.2	-4.2%
67.9%	1029.5	986.8	-42.7	-4.2%
69.1%	1024.8	986.4	-38.3	-3.7%
70.4%	1021.5	980.5	-41.0	-4.0%
71.6%	1004.4	976.4	-28.0	-2.8%
72.8%	1000.7	972.6	-28.1	-2.8%
74.1%	1000.6	956.6	-44.0	-4.4%
75.3%	978.9	952.9	-26.0	-2.7%
76.5%	978.2	936.9	-41.3	-4.2%
77.8%	975.3	933.6	-41.7	-4.3%
79.0%	955.9	921.1	-34.8	-3.6%
80.2%	944.8	917.4	-27.4	-2.9%
81.5%	942.8	902.8	-39.9	-4.2%
82.7%	941.4	882.5	-59.0	-6.3%
84.0%	927.8	875.3	-52.5	-5.7%
85.2%	908.1	867.4	-40.7	-4.5%
86.4%	895.6	866.1	-29.5	-3.3%
87.7%	889.9	859.1	-30.8	-3.5%
88.9%	868.4	858.8	-9.6	-1.1%
90.1%	867.7	832.9	-34.8	-4.0%
91.4%	862.1	828.3	-33.8	-3.9%
92.6%	859.5	799.9	-59.6	-6.9%
93.8%	846.0	788.7	-57.2	-6.8%
95.1%	826.4	769.1	-57.4	-6.9%
96.3%	809.9	738.8	-71.0	-8.8%
97.5%	796.6	734.8	-61.8	-7.8%
98.8%	787.5	728.4	-59.1	-7.5%
100.0%	769.1	703.9	-65.2	-8.5%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	3938.7	3787.3	-151.4	-3.8%
1.2%	3914.8	3521.8	-393.0	-10.0%
2.5%	3891.8	3458.4	-433.4	-11.1%
3.7%	3838.3	3371.7	-466.6	-12.2%
4.9%	3820.6	3207.2	-613.4	-16.1%
6.2%	3739.5	3062.9	-676.6	-18.1%
7.4%	3528.6	3034.9	-493.7	-14.0%
8.6%	3398.1	2976.3	-421.8	-12.4%
9.9%	3313.4	2902.4	-410.9	-12.4%
11.1%	3312.4	2884.2	-428.3	-12.9%
12.3%	3227.7	2859.2	-368.5	-11.4%
13.6%	3205.7	2631.2	-574.5	-17.9%
14.8%	3193.6	2605.6	-588.0	-18.4%
16.0%	3190.3	2600.8	-589.5	-18.5%
17.3%	3177.2	2595.3	-581.9	-18.3%
18.5%	3173.5	2592.3	-581.2	-18.3%
19.8%	3137.7	2567.4	-570.3	-18.2%
21.0%	3132.2	2564.7	-567.5	-18.1%
22.2%	3122.2	2552.3	-569.9	-18.3%
23.5%	3107.4	2515.1	-592.3	-19.1%
24.7%	3105.0	2512.4	-592.6	-19.1%
25.9%	3037.6	2457.2	-580.4	-19.1%
27.2%	3025.0	2435.1	-589.9	-19.5%
28.4%	3011.2	2399.9	-611.3	-20.3%
29.6%	2955.0	2388.1	-566.9	-19.2%
30.9%	2943.5	2355.0	-588.5	-20.0%
32.1%	2913.1	2345.1	-568.0	-19.5%
33.3%	2858.3	2281.0	-577.3	-20.2%
34.6%	2843.4	2274.3	-569.0	-20.0%
35.8%	2826.9	2234.0	-592.9	-21.0%
37.0%	2804.4	2230.8	-573.6	-20.5%
38.3%	2749.4	2192.5	-557.0	-20.3%
39.5%	2725.5	2041.7	-683.8	-25.1%
40.7%	2704.8	2039.8	-664.9	-24.6%
42.0%	2693.8	2038.8	-655.0	-24.3%
43.2%	2670.3	2024.9	-645.4	-24.2%
44.4%	2664.2	2012.4	-651.8	-24.5%
45.7%	2561.6	2003.0	-558.6	-21.8%
46.9%	2555.3	1899.2	-656.1	-25.7%
48.1%	2520.4	1891.1	-629.3	-25.0%
49.4%	2391.5	1846.1	-545.4	-22.8%
50.6%	2286.6	1823.9	-462.7	-20.2%
51.9%	2248.0	1737.8	-510.2	-22.7%
53.1%	2230.5	1673.1	-557.4	-25.0%
54.3%	1623.8	1374.1	-249.7	-15.4%
55.6%	770.5	699.1	-71.3	-9.3%
56.8%	629.3	646.6	17.4	2.8%
58.0%	628.3	639.4	11.1	1.8%
59.3%	625.8	637.5	11.6	1.9%
60.5%	625.8	593.8	-32.0	-5.1%
61.7%	604.2	572.3	-31.9	-5.3%
63.0%	583.8	566.5	-17.3	-3.0%
64.2%	568.2	559.1	-9.1	-1.6%
65.4%	564.1	546.3	-17.8	-3.2%
66.7%	544.2	501.2	-43.0	-7.9%
67.9%	540.7	493.1	-47.6	-8.8%
69.1%	455.9	441.4	-14.5	-3.2%
70.4%	437.2	415.0	-22.3	-5.1%
71.6%	395.9	401.3	5.4	1.4%
72.8%	393.1	386.2	-6.9	-1.8%
74.1%	381.1	382.4	1.4	0.4%
75.3%	380.3	376.6	-3.8	-1.0%
76.5%	367.1	374.3	7.2	2.0%
77.8%	366.7	357.8	-8.9	-2.4%
79.0%	361.3	352.5	-8.8	-2.4%
80.2%	361.0	348.9	-12.1	-3.4%
81.5%	357.7	347.8	-9.9	-2.8%
82.7%	356.3	346.4	-9.9	-2.8%
84.0%	354.2	346.1	-8.1	-2.3%
85.2%	352.6	343.5	-9.1	-2.6%
86.4%	350.3	343.1	-7.3	-2.1%
87.7%	350.2	339.1	-11.1	-3.2%
88.9%	348.4	334.8	-13.5	-3.9%
90.1%	345.5	334.8	-10.7	-3.1%
91.4%	344.1	334.7	-9.3	-2.7%
92.6%	342.1	332.2	-9.9	-2.9%
93.8%	336.1	328.9	-7.2	-2.2%
95.1%	335.2	324.6	-10.6	-3.2%
96.3%	330.7	317.5	-13.2	-4.0%
97.5%	328.4	312.8	-15.6	-4.8%
98.8%	324.2	308.5	-15.7	-4.8%
100.0%	322.4	307.8	-14.6	-4.5%

Figure SQ-22-b
Sacramento River at Collinsville, Monthly EC
Probability of Exceedance

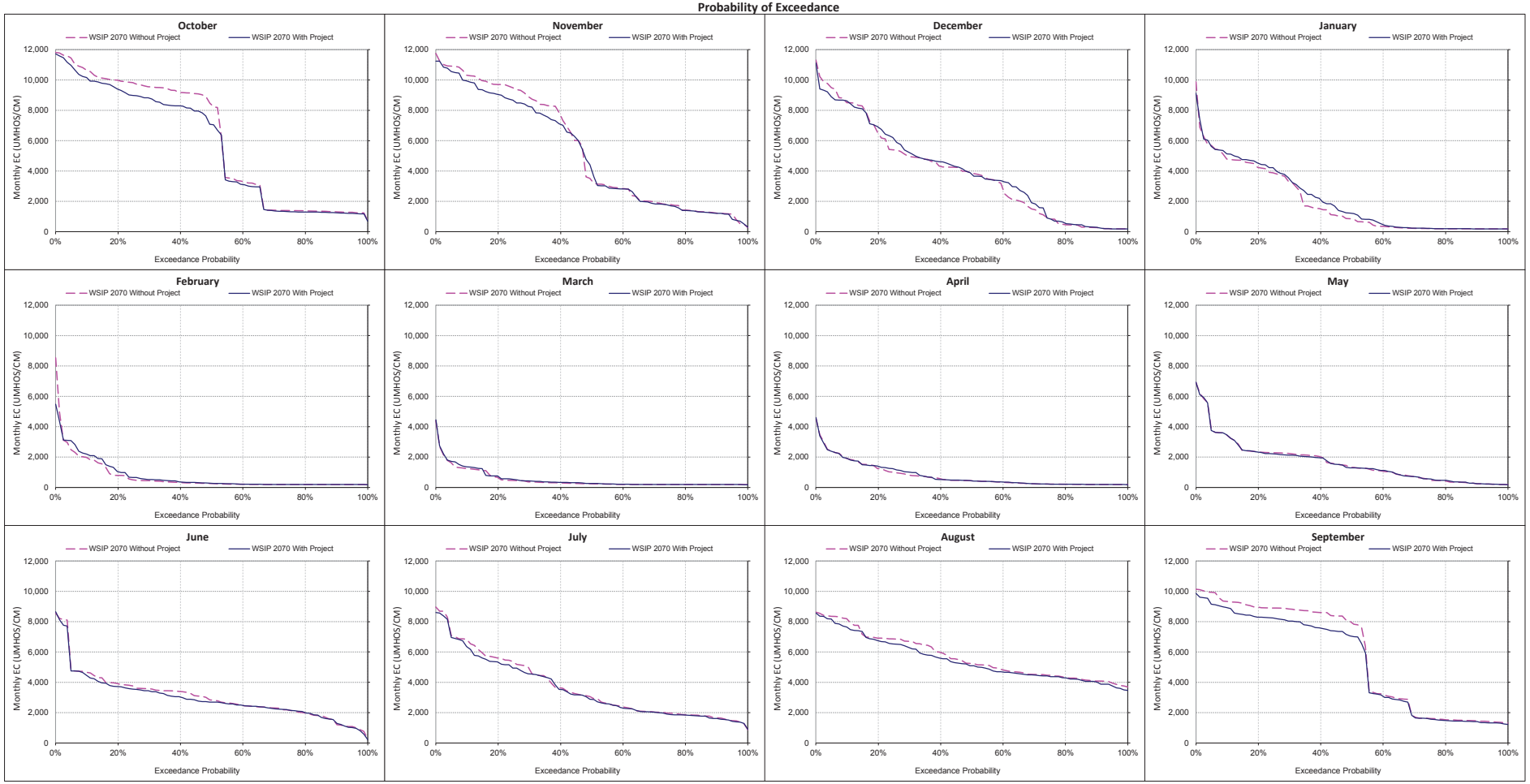


Table SQ-22-b

Sacramento River at Collinsville, Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	11816.3	11729.3	-87.0	-0.7%
1.2%	11775.9	11578.0	-197.9	-1.7%
2.5%	11632.7	11460.3	-172.3	-1.5%
3.7%	11597.7	11177.0	-420.7	-3.6%
4.9%	11446.9	10959.5	-487.4	-4.3%
6.2%	11036.5	10655.8	-380.6	-3.4%
7.4%	10911.6	10363.4	-548.2	-5.0%
8.6%	10822.7	10227.1	-595.6	-5.5%
9.9%	10648.8	10155.5	-493.3	-4.6%
11.1%	10546.5	9929.3	-617.1	-5.9%
12.3%	10312.5	9915.8	-396.6	-3.8%
13.6%	10175.3	9864.3	-311.0	-3.1%
14.8%	10127.3	9782.6	-344.7	-3.4%
16.0%	10088.7	9750.6	-338.1	-3.4%
17.3%	10036.6	9706.8	-329.8	-3.3%
18.5%	10000.8	9571.6	-429.2	-4.3%
19.8%	9989.9	9409.9	-580.0	-5.8%
21.0%	9915.0	9308.1	-606.8	-6.1%
22.2%	9894.8	9161.3	-733.6	-7.4%
23.5%	9853.7	9014.3	-839.4	-8.5%
24.7%	9828.6	8987.5	-841.1	-8.6%
25.9%	9723.5	8956.3	-767.2	-7.9%
27.2%	9684.4	8910.3	-774.1	-8.0%
28.4%	9609.0	8832.0	-777.0	-8.1%
29.6%	9555.6	8829.4	-726.1	-7.6%
30.9%	9548.6	8746.0	-802.6	-8.4%
32.1%	9505.3	8567.6	-937.7	-9.9%
33.3%	9499.3	8529.8	-969.5	-10.2%
34.6%	9483.6	8376.1	-1107.5	-11.7%
35.8%	9421.3	8349.3	-1072.0	-11.4%
37.0%	9328.7	8306.8	-1021.9	-11.0%
38.3%	9311.1	8303.6	-1007.5	-10.8%
39.5%	9172.2	8292.4	-879.8	-9.6%
40.7%	9169.4	8280.1	-889.4	-9.7%
42.0%	9151.4	8153.2	-998.3	-10.9%
43.2%	9140.9	8150.2	-990.7	-10.8%
44.4%	9107.0	7949.0	-1158.0	-12.7%
45.7%	9082.5	7945.8	-1136.7	-12.5%
46.9%	9023.3	7830.5	-1192.9	-13.2%
48.1%	8904.8	7624.4	-1280.3	-14.4%
49.4%	8470.3	7072.7	-1397.6	-16.5%
50.6%	8226.3	7039.4	-1186.9	-14.4%
51.9%	8185.0	6682.2	-1502.8	-18.4%
53.1%	6213.5	6376.7	163.2	2.6%
54.3%	3571.7	3414.0	-157.7	-4.4%
55.6%	3536.9	3322.3	-214.6	-6.1%
56.8%	3508.5	3295.2	-213.3	-6.1%
58.0%	3367.9	3275.9	-91.9	-2.7%
59.3%	3338.7	3124.1	-214.5	-6.4%
60.5%	3272.4	3091.9	-180.5	-5.5%
61.7%	3209.3	3007.3	-202.0	-6.3%
63.0%	3205.3	2964.8	-240.4	-7.5%
64.2%	3109.0	2952.3	-156.7	-5.0%
65.4%	3076.3	2947.6	-128.7	-4.2%
66.7%	1543.2	1467.3	-75.9	-4.9%
67.9%	1420.5	1420.2	-0.3	0.0%
69.1%	1418.9	1395.8	-23.1	-1.6%
70.4%	1414.2	1362.0	-52.3	-3.7%
71.6%	1396.6	1351.1	-45.5	-3.3%
72.8%	1393.7	1344.6	-49.1	-3.5%
74.1%	1391.4	1327.7	-63.7	-4.6%
75.3%	1390.1	1317.9	-72.2	-5.2%
76.5%	1385.7	1309.0	-76.7	-5.5%
77.8%	1382.8	1300.0	-82.9	-6.0%
79.0%	1379.4	1299.4	-80.0	-5.8%
80.2%	1368.8	1299.1	-69.7	-5.1%
81.5%	1362.9	1293.1	-69.8	-5.1%
82.7%	1352.5	1288.5	-64.0	-4.7%
84.0%	1350.0	1288.0	-62.0	-4.6%
85.2%	1349.8	1284.5	-65.3	-4.8%
86.4%	1342.9	1270.0	-72.9	-5.4%
87.7%	1324.9	1267.2	-57.6	-4.3%
88.9%	1322.4	1258.5	-63.9	-4.8%
90.1%	1303.7	1237.6	-66.1	-5.1%
91.4%	1298.2	1227.5	-70.6	-5.4%
92.6%	1277.4	1219.2	-58.2	-4.6%
93.8%	1276.4	1215.1	-61.3	-4.8%
95.1%	1273.9	1207.3	-66.5	-5.2%
96.3%	1243.8	1197.1	-46.8	-3.8%
97.5%	1240.2	1172.5	-67.7	-5.5%
98.8%	1239.1	1165.6	-73.4	-5.9%
100.0%	722.4	690.2	-32.2	-4.5%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	11751.7	11237.1	-514.6	-4.4%
1.2%	11242.5	11236.6	-5.8	-0.1%
2.5%	11017.6	10840.2	-177.4	-1.6%
3.7%	10928.7	10783.3	-145.4	-1.3%
4.9%	10914.8	10559.2	-355.6	-3.3%
6.2%	10898.6	10485.9	-412.7	-3.8%
7.4%	10847.8	10453.5	-394.3	-3.6%
8.6%	10630.5	9999.3	-631.2	-5.9%
9.9%	10313.7	9933.4	-380.2	-3.7%
11.1%	10278.8	9853.6	-425.1	-4.1%
12.3%	10253.6	9810.6	-443.0	-4.3%
13.6%	10111.9	9379.3	-732.6	-7.2%
14.8%	9954.9	9357.4	-597.5	-6.0%
16.0%	9917.1	9242.1	-675.0	-6.8%
17.3%	9782.7	9150.7	-631.9	-6.5%
18.5%	9715.2	9124.8	-590.4	-6.1%
19.8%	9703.5	9052.1	-651.4	-6.7%
21.0%	9700.7	9004.8	-696.0	-7.2%
22.2%	9680.3	8819.3	-861.0	-8.9%
23.5%	9585.2	8733.1	-852.1	-8.9%
24.7%	9490.9	8677.0	-813.9	-8.6%
25.9%	9366.4	8492.9	-873.4	-9.3%
27.2%	9322.1	8485.2	-837.0	-9.0%
28.4%	9148.2	8413.1	-735.1	-8.0%
29.6%	8907.3	8259.6	-647.7	-7.3%
30.9%	8733.6	8215.7	-517.9	-5.9%
32.1%	8628.9	7839.6	-789.3	-9.1%
33.3%	8397.8	7818.3	-579.5	-6.9%
34.6%	8380.0	7678.6	-701.4	-8.4%
35.8%	8311.3	7554.4	-756.9	-9.1%
37.0%	8278.1	7384.6	-893.5	-10.8%
38.3%	8274.8	7318.0	-956.8	-11.6%
39.5%	7853.2	7117.2	-736.0	-9.4%
40.7%	7320.3	7015.9	-304.3	-4.2%
42.0%	6939.0	6561.9	-377.1	-5.4%
43.2%	6549.0	6491.7	-57.2	-0.9%
44.4%	6012.4	6297.1	284.8	4.7%
45.7%	6009.0	5994.9	-14.1	-0.2%
46.9%	5624.9	5454.0	-170.9	-3.0%
48.1%	3610.5	4774.9	1164.4	32.2%
49.4%	3517.4	4403.3	885.9	25.2%
50.6%	3196.7	3629.7	433.0	13.5%
51.9%	3131.4	3033.6	-97.8	-3.1%
53.1%	3129.8	3030.2	-99.7	-3.2%
54.3%	3079.7	3018.7	-61.0	-2.0%
55.6%	2985.3	2868.3	-117.0	-3.9%
56.8%	2916.9	2846.6	-70.3	-2.4%
58.0%	2897.5	2828.6	-68.9	-2.4%
59.3%	2847.8	2823.0	-24.8	-0.9%
60.5%	2835.0	2821.2	-13.8	-0.5%
61.7%	2808.0	2800.4	-7.6	-0.3%
63.0%	2377.9	2628.2	250.3	10.5%
64.2%	2329.0	2279.1	-49.8	-2.1%
65.4%	2044.7	1994.0	-50.6	-2.5%
66.7%	2028.5	1972.0	-56.5	-2.8%
67.9%	2011.9	1957.2	-54.8	-2.7%
69.1%	1990.3	1882.5	-107.8	-5.4%
70.4%	1913.7	1823.9	-89.8	-4.7%
71.6%	1882.5	1823.5	-59.0	-3.1%
72.8%	1824.6	1799.4	-25.2	-1.4%
74.1%	1795.5	1773.6	-21.9	-1.2%
75.3%	1787.6	1699.9	-87.7	-4.9%
76.5%	1729.9	1665.9	-64.0	-3.7%
77.8%	1723.2	1570.3	-152.9	-8.9%
79.0%	1422.0	1390.9	-31.1	-2.2%
80.2%	1419.0	1390.0	-29.0	-2.0%
81.5%	1403.8	1375.6	-28.2	-2.0%
82.7%	1390.3	1368.9	-21.4	-1.5%
84.0%	1323.7	1314.2	-9.5	-0.7%
85.2%	1311.4	1284.8	-26.6	-2.0%
86.4%	1311.0	1277.8	-33.1	-2.5%
87.7%	1277.4	1259.0	-18.4	-1.4%
88.9%	1258.9	1224.8	-34.1	-2.7%
90.1%	1218.3	1213.4	-5.0	-0.4%
91.4%	1214.8	1204.7	-10.1	-0.8%
92.6%	1191.7	1158.1	-33.5	-2.8%
93.8%	1173.5	1147.6	-25.8	-2.2%
95.1%	1153.2	810.0	-343.1	-29.8%
96.3%	785.8	747.5	-38.3	-4.9%
97.5%	519.9	691.9	172.0	33.1%
98.8%	490.4	512.0	21.6	4.4%
100.0%	274.3	294.9	20.6	7.5%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	11316.5	11118.0	-198.5	-1.8%
1.2%	10233.2	9401.8	-831.5	-8.1%
2.5%	9884.0	9328.0	-556.1	-5.6%
3.7%	9768.5	9215.0	-553.5	-5.7%
4.9%	9497.1	8902.7	-594.4	-6.3%
6.2%	9391.2	8690.4	-700.7	-7.5%
7.4%	8829.8	8671.9	-157.9	-1.8%
8.6%	8812.3	8667.7	-144.6	-1.6%
9.9%	8502.7	8627.2	124.4	1.5%
11.1%	8501.0	8438.3	-62.7	-0.7%
12.3%	8475.5	8213.3	-262.3	-3.1%
13.6%	8332.0	8142.7	-189.3	-2.3%
14.8%	8288.7	8108.3	-180.4	-2.2%
16.0%	7897.6	7838.4	-59.2	-0.7%
17.3%	7276.2	7113.1	-163.1	-2.2%
18.5%	7061.6	7053.0	-8.6	-0.1%
19.8%	6554.1	6918.7	364.5	5.6%
21.0%	6174.5	6730.1	555.6	9.0%
22.2%	6118.8	6434.9	316.1	5.2%
23.5%	5419.4	6319.8	900.4	16.6%
24.7%	5398.1	6204.2	806.1	14.9%
25.9%	5379.6	5873.6	494.0	9.2%
27.2%	5284.3	5741.1	456.8	8.6%
28.4%	5112.9	5380.7	267.8	5.2%
29.6%	4969.1	5241.1	272.0	5.5%
30.9%	4925.4	5118.4	193.0	3.9%
32.1%	4901.9	4971.7	69.9	1.4%
33.3%	4870.5	4876.4	5.9	0.1%
34.6%	4774.0	4802.1	28.1	0.6%
35.8%	4773.9	4734.3	-39.6	-0.8%
37.0%	4627.9	4714.4	86.5	1.9%
38.3%	4616.5	4655.6	39.1	0.8%
39.5%	4326.9	4620.3	293.4	6.8%
40.7%	4261.1	4601.6	340.5	8.0%
42.0%	4256.9	4518.9	262.0	6.2%
43.2%	4247.5	4404.2	156.7	3.7%
44.4%	4242.8	4301.2	58.3	1.4%
45.7%	4230.0	4259.8	29.8	0.7%
46.9%	3981.9	4156.2	174.3	4.4%
48.1%	3981.2	3989.2	8.0	0.2%
49.4%	3892.4	3893.7	1.3	0.0%
50.6%	3825.5	3660.8	-164.7	-4.3%
51.9%	3778.9	3659.8	-119.1	-3.2%
53.1%	3709.5	3631.3	-78.1	-2.1%
54.3%	3546.5	3472.4	-74.1	-2.1%
55.6%	3442.0	3459.1	17.1	0.5%
56.8%	3428.8	3396.3	-32.5	-0.9%
58.0%	3284.4	3384.5	100.1	3.0%
59.3%	3201.8	3369.0	167.1	5.2%
60.5%	2493.4	3286.7	793.3	31.8%
61.7%	2270.7	3236.5	965.8	42.5%
63.0%	2119.5	2971.2	851.7	40.2%
64.2%	2086.8	2950.6	863.7	41.4%
65.4%	2011.6	2719.7	708.1	35.2%
66.7%	1919.6	2601.1	681.6	35.5%
67.9%	1665.4	2388.9	723.5	43.4%
69.1%	1497.7	1907.3	409.6	27.3%
70.4%	1436.9	1816.5	379.6	26.4%
71.6%	1196.5	1588.0	391.5	32.7%
72.8%	1112.0	1559.7	447.7	40.3%
74.1%	924.0	907.4	-16.6	-1.8%
75.3%	826.1	825.2	-0.9	-0.1%
76.5%	824.1	695.5	-128.7	-15.6%
77.8%	516.0	694.8	178.8	34.6%
79.0%	492.8	635.3	142.5	28.9%
80.2%	452.3	526.8	74.5	16.5%
81.5%	447.4	500.1	52.7	11.8%
82.7%	446.0	465.9	19.9	4.5%
84.0%	424.7	447.6	22.9	5.4%
85.2%	301.6	446.8	145.3	48.2%
86.4%	293.7	326.4	32.7	11.1%
87.7%	281.9	309.5	27.6	9.8%
88.9%	275.3	300.3	25.0	9.1%
90.1%	268.8	290.0	21.2	7.9%
91.4%	220.5	226.1	5.6	2.5%
92.6%	203.9	203.5	-0.4	-0.2%
93.8%	200.7	198.4	-2.3	-1.2%
95.1%	185.9	186.5	0.6	
96.3%	185.2	186.1	0.9	
97.5%	182.0	182.4	0.5	
98.8%	181.7	181.5	-0.2	
100.0%	180.0	179.9	-0.1	

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	9878.1	9140.9	-737.2	-7.5%
1.2%	6882.8	7388.6	505.9	7.4%
2.5%	6273.7	6096.7	-177.0	-2.8%
3.7%	5769.1	6040.9	271.8	4.7%
4.9%	5679.1	5625.6	-53.5	-0.9%
6.2%	5431.9	5421.2	-10.7	-0.2%
7.4%	5400.0	5392.7	-7.3	-0.1%
8.6%	5119.7	5349.0	229.3	4.5%
9.9%	4782.6	5132.1	349.5	7.3%
11.1%	4752.7	5114.9	362.2	7.6%
12.3%	4724.2	4993.0	268.7	5.7%
13.6%	4714.1	4929.2	215.1	4.6%
14.8%	4710.9	4751.5	40.6	0.9%
16.0%	4566.5	4747.4	180.8	4.0%
17.3%	4536.3	4708.4	172.1	3.8%
18.5%	4492.2	4670.0	177.8	4.0%
19.8%	4235.5	4525.1	289.6	6.8%
21.0%	4189.2	4428.7	239.5	5.7%
22.2%	4152.5	4412.2	259.7	6.3%
23.5%	3909.7	4217.2	307.6	7.9%
24.7%	3879.3	4215.2	335.9	8.7%
25.9%	3798.9	3962.5	163.7	4.3%
27.2%	3720.0	3850.3	130.3	3.5%
28.4%	3657.7	3774.7	117.0	3.2%
29.6%	3319.1	3560.2	241.0	7.3%
30.9%	3234.6	3242.8	8.2	0.3%
32.1%	2952.8	3116.2	163.4	5.5%
33.3%	2665.1	2866.4	201.3	7.6%
34.6%	1692.7	2722.0	1029.3	60.8%
35.8%	1691.0	2464.5	773.5	45.7%
37.0%	1611.8	2463.8	851.9	52.9%
38.3%	1537.7	2266.0	728.2	47.4%
39.5%	1524.3	2201.5	677.2	44.4%
40.7%	1445.9	1950.0	504.1	34.9%
42.0%	1441.6	1848.9	407.3	28.3%
43.2%	1121.2	1838.2	717.0	64.0%
44.4%	1092.6	1684.7	592.1	54.2%
45.7%	1028.9	1389.6	360.7	35.1%
46.9%	1027.5	1330.0	302.5	29.4%
48.1%	864.9	1241.3	376.4	43.5%
49.4%	852.9	1220.9	368.0	43.1%
50.6%	824.5	1188.5	364.0	44.2%
51.9%	660.4	1082.6	422.3	63.9%
53.1%	650.3	833.8	183.6	28.2%
54.3%	627.0	818.3	191.2	30.5%
55.6%	618.7	809.5	190.7	30.8%
56.8%	432.9	757.3	324.4	74.9%
58.0%	354.8	644.4	289.7	81.7%
59.3%	354.4	527.4	172.9	48.8%
60.5%	340.9	416.9	76.1	22.3%
61.7%	319.9	361.6	41.7	13.0%
63.0%	293.9	354.7	60.8	20.7%
64.2%	273.2	296.3	23.2	8.5%
65.4%	258.3	289.2	30.9	12.0%
66.7%	245.2	269.8	24.6	10.0%
67.9%	223.0	259.5	36.6	16.4%
69.1%	221.7	232.2	10.5	4.7%
70.4%	215.0	229.9	14.9	6.9%
71.6%	210.4	225.3	14.9	7.1%
72.8%	209.8	223.7	13.9	6.6%
74.1%	209.2	216.4	7.2	3.5%
75.3%	207.2	210.1	2.9	1.4%
76.5%	198.9	204.9	6.1	3.0%
77.8%	198.2	198.7	0.5	0.2%
79.0%	193.7	197.4	3.7	1.9%
80.2%	192.8	192.9	0.1	0.1%
81.5%	192.3	192.3	-0.1	0.0%
82.7%	192.2	192.2	0.0	0.0%
84.0%	191.3	192.2	0.9	0.5%
85.2%	188.7	189.4	0.6	0.3%
86.4%	188.6	189.2	0.6	0.3%
87.7%	188.3	188.9	0.6	0.3%
88.9%	187.7	188.2	0.5	0.3%
90.1%	185.3	184.8	-0.6	-0.3%
91.4%	184.6	184.4	-0.3	-0.1%
92.6%	182.9	183.3	0.4	0.2%
93.8%	182.7	182.9	0.3	0.1%
95.1%	182.3	182.7	0.4	0.2%
96.3%	182.0	182.3	0.3	0.2%
97.5%	181.3	181.7	0.4	0.2%
98.8%	181.0	181.1	0.1	0.0%
100.0%	179.4	179.5	0.1	0.1%

Table SQ-22-b

Sacramento River at Collinsville, Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	8541.5	5485.0	-3056.5	-35.8%
1.2%	4965.1	4335.1	-630.0	-12.7%
2.5%	3113.1	3115.4	2.3	0.1%
3.7%	2967.7	3105.7	138.0	4.7%
4.9%	2477.0	3078.1	601.1	24.3%
6.2%	2310.6	2827.6	517.0	22.4%
7.4%	2061.5	2381.1	319.6	15.5%
8.6%	2017.7	2265.1	247.4	12.3%
9.9%	1969.7	2200.1	230.3	11.7%
11.1%	1815.6	2089.1	273.5	15.1%
12.3%	1787.0	2083.6	296.6	16.6%
13.6%	1615.5	1905.7	290.2	18.0%
14.8%	1547.9	1883.6	335.8	21.7%
16.0%	1315.8	1495.7	179.9	13.7%
17.3%	896.2	1386.5	490.3	54.7%
18.5%	795.1	1320.7	525.6	66.1%
19.8%	786.7	1038.4	251.8	32.0%
21.0%	785.9	980.9	195.0	24.8%
22.2%	773.0	969.3	196.4	25.4%
23.5%	552.2	666.7	114.5	20.7%
24.7%	494.0	648.9	154.9	31.4%
25.9%	460.6	645.7	185.1	40.2%
27.2%	452.0	580.3	128.3	28.4%
28.4%	446.6	545.9	99.3	22.2%
29.6%	445.7	516.1	70.4	15.8%
30.9%	435.2	507.9	72.7	16.7%
32.1%	409.8	504.7	94.9	23.1%
33.3%	406.0	494.9	88.9	21.9%
34.6%	374.6	470.3	95.6	25.5%
35.8%	360.0	439.0	79.0	22.0%
37.0%	345.5	435.6	90.0	26.1%
38.3%	335.2	420.9	85.7	25.6%
39.5%	332.2	367.4	35.2	10.6%
40.7%	306.8	340.2	33.4	10.9%
42.0%	295.7	324.1	28.3	9.6%
43.2%	292.3	320.3	28.0	9.6%
44.4%	289.1	320.0	30.9	10.7%
45.7%	280.7	314.1	33.4	11.9%
46.9%	270.4	299.2	28.7	10.6%
48.1%	270.3	283.9	13.6	5.0%
49.4%	254.7	277.5	22.8	9.0%
50.6%	252.3	257.7	5.4	2.1%
51.9%	236.8	254.6	17.8	7.5%
53.1%	220.3	253.9	33.7	15.3%
54.3%	219.9	246.7	26.8	12.2%
55.6%	212.6	237.8	25.2	11.9%
56.8%	209.4	234.4	25.0	11.9%
58.0%	208.8	224.2	15.4	7.4%
59.3%	208.3	214.8	6.5	3.1%
60.5%	208.2	212.7	4.6	2.2%
61.7%	202.5	204.9	2.4	1.2%
63.0%	198.6	203.0	4.3	2.2%
64.2%	195.8	200.3	4.5	2.3%
65.4%	195.0	198.9	3.9	2.0%
66.7%	194.1	197.2	3.1	1.6%
67.9%	193.3	196.0	2.6	1.4%
69.1%	192.9	194.8	1.9	1.0%
70.4%	192.8	194.2	1.4	0.7%
71.6%	191.2	191.9	0.7	0.4%
72.8%	191.2	191.4	0.2	0.1%
74.1%	190.9	191.4	0.4	0.2%
75.3%	190.1	191.2	1.1	0.6%
76.5%	190.0	190.8	0.8	0.4%
77.8%	189.8	190.1	0.3	0.1%
79.0%	189.4	190.0	0.6	0.3%
80.2%	188.2	190.0	1.8	1.0%
81.5%	188.1	188.6	0.5	0.3%
82.7%	187.7	187.8	0.2	0.1%
84.0%	187.5	187.3	-0.1	-0.1%
85.2%	187.2	187.0	-0.2	-0.1%
86.4%	186.1	186.1	0.0	0.0%
87.7%	185.3	185.9	0.6	0.3%
88.9%	185.2	185.5	0.3	0.2%
90.1%	185.1	185.4	0.3	0.2%
91.4%	184.9	185.3	0.4	0.2%
92.6%	184.5	184.5	0.0	0.0%
93.8%	183.8	184.1	0.3	0.2%
95.1%	183.6	184.1	0.5	0.3%
96.3%	182.7	183.3	0.6	0.3%
97.5%	182.5	183.1	0.6	0.3%
98.8%	181.1	181.6	0.5	0.3%
100.0%	179.1	179.1	0.0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	4390.7	4453.4	62.7	1.4%
1.2%	2679.1	2734.7	55.6	2.1%
2.5%	2136.7	2211.9	75.1	3.5%
3.7%	1775.0	1796.6	21.6	1.2%
4.9%	1623.3	1720.8	97.5	6.0%
6.2%	1339.7	1679.1	339.4	25.3%
7.4%	1304.2	1505.0	200.8	15.4%
8.6%	1275.7	1410.2	134.5	10.5%
9.9%	1230.4	1357.3	126.8	10.3%
11.1%	1225.2	1334.1	108.9	8.9%
12.3%	1191.3	1294.7	103.5	8.7%
13.6%	1158.4	1248.5	90.1	7.8%
14.8%	1114.0	1233.1	119.1	10.7%
16.0%	1100.8	795.8	-305.0	-27.7%
17.3%	807.3	760.2	-47.0	-5.8%
18.5%	698.9	759.4	60.5	8.7%
19.8%	662.9	755.3	92.4	13.9%
21.0%	495.2	565.6	70.4	14.2%
22.2%	481.9	560.7	78.8	16.4%
23.5%	463.2	559.7	96.4	20.8%
24.7%	453.8	533.3	79.5	17.5%
25.9%	444.0	495.2	51.1	11.5%
27.2%	437.0	438.8	1.8	0.4%
28.4%	423.3	436.4	13.1	3.1%
29.6%	362.0	427.0	65.0	18.0%
30.9%	359.9	405.4	45.6	12.7%
32.1%	354.3	399.3	45.0	12.7%
33.3%	334.3	395.2	60.9	18.2%
34.6%	326.6	368.3	41.8	12.8%
35.8%	315.3	352.9	37.6	11.9%
37.0%	308.7	351.7	43.0	13.9%
38.3%	305.9	348.0	42.1	13.8%
39.5%	295.0	333.8	38.8	13.2%
40.7%	287.8	328.1	40.3	14.0%
42.0%	271.4	322.6	51.2	18.9%
43.2%	265.7	316.4	50.8	19.1%
44.4%	263.6	315.8	52.3	19.8%
45.7%	257.5	308.0	50.5	19.6%
46.9%	243.8	285.9	42.1	17.3%
48.1%	241.9	265.2	23.2	9.6%
49.4%	241.1	256.7	15.5	6.4%
50.6%	226.8	255.7	29.0	12.8%
51.9%	226.4	252.1	25.7	11.3%
53.1%	220.6	241.1	20.4	9.3%
54.3%	214.0	220.7	6.7	3.1%
55.6%	212.2	217.2	5.1	2.4%
56.8%	209.3	215.8	6.5	3.1%
58.0%	202.3	214.9	12.6	6.2%
59.3%	199.2	206.7	7.4	3.7%
60.5%	198.9	203.8	4.8	2.4%
61.7%	198.5	201.2	2.7	1.4%
63.0%	196.0	197.7	1.8	0.9%
64.2%	195.6	197.3	1.7	0.9%
65.4%	195.0	196.3	1.3	0.7%
66.7%	195.0	196.1	1.1	0.6%
67.9%	193.5	195.4	1.9	1.0%
69.1%	193.2	195.3	2.1	1.1%
70.4%	191.8	193.9	2.1	1.1%
71.6%	191.3	193.3	2.0	1.0%
72.8%	190.6	192.1	1.5	0.8%
74.1%	189.9	191.1	1.2	0.6%
75.3%	189.7	190.6	0.9	0.5%
76.5%	189.1	190.4	1.3	0.7%
77.8%	189.1	190.3	1.2	0.6%
79.0%	188.1	189.5	1.4	0.7%
80.2%	187.5	188.9	1.4	0.7%
81.5%	187.4	187.8	0.4	0.2%
82.7%	187.1	187.8	0.7	0.4%
84.0%	186.8	186.8	0.0	0.0%
85.2%	186.1	186.8	0.6	0.3%
86.4%	186.1	186.2	0.1	0.1%
87.7%	185.9	186.2	0.2	0.1%
88.9%	185.8	185.7	-0.1	-0.1%
90.1%	185.6	185.4	-0.2	-0.1%
91.4%	184.9	184.9	-0.1	0.0%
92.6%	184.0	184.6	0.6	0.3%
93.8%	183.3	183.8	0.6	0.3%
95.1%	182.4	182.9	0.5	0.3%
96.3%	181.5	181.5	0.0	0.0%
97.5%	181.5	181.4	0.0	0.0%
98.8%	180.5	180.6	0.1	0.1%
100.0%	180.2	180.4	0.2	0.1%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	4576.0	4606.9	30.9	0.7%
1.2%	3476.5	3393.0	-83.4	-2.4%
2.5%	3003.1	2917.2	-85.9	-2.9%
3.7%	2502.1	2475.7	-26.4	-1.1%
4.9%	2406.1	2374.9	-31.2	-1.3%
6.2%	2291.5	2286.7	-4.8	-0.2%
7.4%	2246.7	2225.0	-21.8	-1.0%
8.6%	2024.7	1964.8	-59.8	-3.0%
9.9%	1898.6	1920.9	22.4	1.2%
11.1%	1833.7	1806.9	-26.7	-1.5%
12.3%	1785.9	1751.3	-34.6	-1.9%
13.6%	1670.4	1726.9	56.5	3.4%
14.8%	1525.2	1491.9	-33.3	-2.2%
16.0%	1511.2	1481.8	-29.3	-1.9%
17.3%	1481.3	1439.8	-41.5	-2.8%
18.5%	1436.6	1439.4	2.8	0.2%
19.8%	1237.7	1407.7	170.0	13.7%
21.0%	1233.7	1311.7	78.0	6.3%
22.2%	1114.5	1300.9	186.4	16.7%
23.5%	1025.3	1243.3	218.0	21.3%
24.7%	1005.1	1230.1	225.0	22.4%
25.9%	959.6	1151.5	191.9	20.0%
27.2%	922.2	1105.7	183.5	19.9%
28.4%	886.2	1036.8	150.6	17.0%
29.6%	812.3	1010.0	197.6	24.3%
30.9%	778.3	985.5	207.2	26.6%
32.1%	760.9	969.6	208.7	27.4%
33.3%	734.3	781.2	47.0	6.4%
34.6%	728.6	741.5	12.9	1.8%
35.8%	681.8	685.6	3.8	0.6%
37.0%	646.9	670.4	23.5	3.6%
38.3%	644.9	538.7	-106.2	-16.5%
39.5%	586.0	516.3	-69.7	-11.9%
40.7%	519.2	507.9	-11.3	-2.2%
42.0%	494.1	501.9	7.9	1.6%
43.2%	472.0	481.2	9.2	1.9%
44.4%	463.3	480.4	17.1	3.7%
45.7%	460.6	476.0	15.4	3.3%
46.9%	450.1	466.8	16.7	3.7%
48.1%	445.4	456.6	11.2	2.5%
49.4%	443.2	443.0	-0.2	0.0%
50.6%	424.7	418.3	-6.4	-1.5%
51.9%	414.7	414.1	-0.6	-0.2%
53.1%	398.5	395.4	-3.1	-0.8%
54.3%	396.0	392.1	-3.9	-1.0%
55.6%	387.0	391.0	3.9	1.0%
56.8%	376.1	379.3	3.2	0.8%
58.0%	356.7	364.8	8.1	2.3%
59.3%	351.3	356.7	5.3	1.5%
60.5%	324.7	342.8	18.2	5.6%
61.7%	313.6	335.3	21.7	6.9%
63.0%	310.8	313.2	2.4	0.8%
64.2%	306.9	309.1	2.2	0.7%
65.4%	270.0	286.9	16.9	6.2%
66.7%	267.7	267.5	-0.3	-0.1%
67.9%	246.9	258.7	11.7	4.7%
69.1%	244.3	245.3	1.0	0.4%
70.4%	223.2	242.3	19.1	8.5%
71.6%	222.8	226.3	3.5	1.6%
72.8%	218.5	224.7	6.2	2.8%
74.1%	216.0	218.2	2.2	1.0%
75.3%	215.4	215.4	0.0	0.0%
76.5%	213.4	214.1	0.8	0.4%
77.8%	213.3	212.9	-0.3	-0.2%
79.0%	209.9	211.0	1.2	0.5%
80.2%	208.9	208.9	0.1	0.0%
81.5%	201.9	204.9	3.0	1.5%
82.7%	200.5	202.2	1.7	0.8%
84.0%	199.2	199.3	0.0	0.0%
85.2%	198.2	199.1	0.9	0.4%
86.4%	195.9	198.2	2.3	1.2%
87.7%	193.2	193.4	0.2	0.1%
88.9%	191.1	192.1	1.1	0.6%
90.1%	190.7	191.9	1.1	0.6%
91.4%	189.2	189.7	0.5	0.2%
92.6%	187.2	187.2	0.0	0.0%
93.8%	187.2	187.2	0.0	0.0%
95.1%	186.2	186.2	0.0	0.0%
96.3%	185.9	185.6	-0.3	-0.2%
97.5%	184.2	184.6	0.4	0.2%
98.8%	181.7	181.8	0.1	0.1%
100.0%	180.8	180.7	-0.1	0.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	6916.4	6926.6	10.2	0.1%
1.2%	6222.1	6107.0	-115.0	-1.8%
2.5%	5842.9	5921.1	78.2	1.3%
3.7%	5596.7	5562.2	-34.5	-0.6%
4.9%	3776.1	3754.2	-21.9	-0.6%
6.2%	3625.1	3629.1	4.1	0.1%
7.4%	3608.3	3603.4	-4.9	-0.1%
8.6%	3583.4	3588.6	5.2	0.1%
9.9%	3443.5	3460.3	16.7	0.5%
11.1%	3235.0	3230.5	-4.6	-0.1%
12.3%	3091.1	3093.6	2.5	0.1%
13.6%	2844.1	2787.6	-56.5	-2.0%
14.8%	2420.2	2461.2	41.1	1.7%
16.0%	2415.1	2411.4	-3.7	-0.2%
17.3%	2390.8	2408.6	17.8	0.7%
18.5%	2377.3	2355.8	-21.5	-0.9%
19.8%	2338.1	2332.2	-5.9	-0.3%
21.0%	2318.2	2298.0	-20.2	-0.9%
22.2%	2300.2	2231.0	-69.1	-3.0%
23.5%	2287.7	2228.5	-59.2	-2.6%
24.7%	2280.1	2203.8	-76.3	-3.3%
25.9%	2275.8	2199.8	-76.1	-3.3%
27.2%	2272.5	2158.0	-114.5	-5.0%
28.4%	2250.1	2147.6	-102.5	-4.6%
29.6%	2241.9	2121.7	-120.1	-5.4%
30.9%	2205.7	2117.7	-88.0	-4.0%
32.1%	2171.3	2109.9	-61.4	-2.8%
33.3%	2142.7	2052.6	-90.1	-4.2%
34.6%	2140.3	2038.4	-101.9	-4.8%
35.8%	2122.9	2022.2	-100.7	-4.7%
37.0%	2086.2	2007.1	-79.1	-3.8%
38.3%	2080.0	1962.2	-117.8	-5.7%
39.5%	2034.3	1953.1	-81.2	-4.0%
40.7%	1944.9	1927.5	-17.4	-0.9%
42.0%	1635.2	1744.8	109.6	6.7%
43.2%	1593.3	1572.7	-20.6	-1.3%
44.4%	1558.2	1533.0	-25.2	-1.6%
45.7%	1507.5	1514.9	7.3	0.5%
46.9%	1478.3	1477.0	-1.3	-0.1%
48.1%	1445.0	1323.9	-121.1	-8.4%
49.4%	1314.8	1286.4	-28.4	-2.2%
50.6%	1314.4	1284.8	-29.6	-2.3%
51.9%	1270.0	1283.6	13.6	1.1%
53.1%	1269.7	1266.9	-2.8	-0.2%
54.3%	1266.7	1250.1	-16.6	-1.3%
55.6%	1198.7	1238.7	40.1	3.3%
56.8%	1128.3	1226.0	97.7	8.7%
58.0%	1107.3	1159.7	52.4	4.7%
59.3%	1094.5	1114.0	19.5	1.8%
60.5%	1044.3	1108.3	63.9	6.1%
61.7%	1023.7	1039.3	15.6	1.5%
63.0%	997.9	1010.0	12.1	1.2%
64.2%	867.5	897.6	30.1	3.5%
65.4%	835.8	828.6	-7.1	-0.9%
66.7%	820.0	748.2	-71.8	-8.8%
67.9%	769.9	742.1	-27.7	-3.6%
69.1%	731.0	724.0	-7.0	-1.0%
70.4%	689.8	700.0	10.2	1.5%
71.6%	623.4	668.7	45.3	7.3%
72.8%	602.4	569.0	-33.4	-5.5%
74.1%	547.2	559.0	11.7	2.1%
75.3%	457.9	547.0	89.1	19.5%
76.5%	457.4	474.2	16.8	3.7%
77.8%	456.1	467.1	11.1	2.4%
79.0%	452.3	457.5	5.2	1.1%
80.2%	412.2	457.4	45.1	10.9%
81.5%	347.9	412.1	64.1	18.4%
82.7%	344.6	356.7	12.0	3.5%
84.0%	335.2	353.8	18.7	5.6%
85.2%	334.5	345.0	10.6	3.2%
86.4%	322.7	339.5	16.8	5.2%
87.7%	278.5	278.2	-0.4	-0.1%
88.9%	272.4	276.4	4.0	1.5%
90.1%	238.8	245.0	6.2	2.6%
91.4%	228.4	233.1	4.7	2.1%
92.6%	217.6	227.3	9.7	4.5%
93.8%	214.5	220.8	6.3	2.9%
95.1%	207.6	209.3	1.7	0.8%
96.3%	207.4	203.8	-3.6	-1.7%
97.5%	191.8	191.7	0.0	0.0%
98.8%	188.1	187.6	-0.5	-0.2%
100.0%	179.9	180.3	0.5	0.3%

Table SQ-22-b

Sacramento River at Collinsville, Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	8562.0	8645.7	83.7	1.0%
1.2%	8213.0	8128.4	-84.6	-1.0%
2.5%	8136.4	7770.1	-366.3	-4.5%
3.7%	8105.6	7710.5	-395.0	-4.9%
4.9%	4778.2	4753.5	-24.8	-0.5%
6.2%	4752.7	4746.1	-6.6	-0.1%
7.4%	4731.2	4729.3	-1.9	0.0%
8.6%	4721.9	4653.9	-68.0	-1.4%
9.9%	4663.5	4456.4	-207.1	-4.4%
11.1%	4617.2	4288.6	-328.6	-7.1%
12.3%	4443.4	4236.5	-206.9	-4.7%
13.6%	4311.6	4066.0	-245.7	-5.7%
14.8%	4300.5	3967.2	-333.3	-7.8%
16.0%	3993.2	3946.2	-46.9	-1.2%
17.3%	3981.7	3798.5	-183.2	-4.6%
18.5%	3965.7	3741.4	-224.4	-5.7%
19.8%	3917.7	3718.5	-199.1	-5.1%
21.0%	3845.0	3705.2	-139.8	-3.6%
22.2%	3835.6	3632.3	-203.3	-5.3%
23.5%	3811.5	3590.2	-221.2	-5.8%
24.7%	3766.9	3548.5	-218.4	-5.8%
25.9%	3609.6	3539.7	-70.0	-1.9%
27.2%	3598.9	3491.3	-107.6	-3.0%
28.4%	3591.0	3452.9	-138.1	-3.8%
29.6%	3584.4	3447.6	-136.8	-3.8%
30.9%	3556.7	3387.8	-168.9	-4.7%
32.1%	3485.4	3372.6	-112.8	-3.2%
33.3%	3465.3	3296.2	-169.1	-4.9%
34.6%	3447.7	3268.4	-179.2	-5.2%
35.8%	3446.5	3143.6	-302.9	-8.8%
37.0%	3435.7	3087.6	-348.2	-10.1%
38.3%	3433.0	3057.6	-375.3	-10.9%
39.5%	3402.2	3055.8	-346.4	-10.2%
40.7%	3379.5	2986.5	-393.0	-11.6%
42.0%	3342.3	2890.0	-452.3	-13.5%
43.2%	3272.7	2887.4	-385.3	-11.8%
44.4%	3120.6	2849.5	-271.1	-8.7%
45.7%	3093.8	2767.7	-326.1	-10.5%
46.9%	3081.7	2730.4	-351.3	-11.4%
48.1%	3007.8	2730.1	-277.6	-9.2%
49.4%	2839.3	2700.8	-138.6	-4.9%
50.6%	2817.6	2700.6	-117.0	-4.2%
51.9%	2782.8	2697.1	-85.7	-3.1%
53.1%	2691.6	2656.1	-35.4	-1.3%
54.3%	2654.4	2603.9	-50.5	-1.9%
55.6%	2641.1	2581.9	-59.2	-2.2%
56.8%	2599.1	2569.0	-30.1	-1.2%
58.0%	2559.8	2510.2	-49.6	-1.9%
59.3%	2510.5	2506.8	-3.8	-0.1%
60.5%	2449.0	2453.3	4.2	0.2%
61.7%	2444.7	2432.2	-12.5	-0.5%
63.0%	2414.9	2422.5	7.6	0.3%
64.2%	2393.9	2418.9	25.0	1.0%
65.4%	2376.0	2380.6	4.6	0.2%
66.7%	2373.4	2362.9	-10.4	-0.4%
67.9%	2351.3	2316.5	-34.8	-1.5%
69.1%	2314.6	2289.8	-24.8	-1.1%
70.4%	2304.7	2249.8	-55.0	-2.4%
71.6%	2291.5	2235.9	-55.6	-2.4%
72.8%	2189.3	2212.9	23.6	1.1%
74.1%	2188.1	2200.7	12.5	0.6%
75.3%	2145.3	2151.7	6.4	0.3%
76.5%	2098.7	2121.7	23.0	1.1%
77.8%	2040.7	2093.0	52.3	2.6%
79.0%	2007.1	2077.2	70.0	3.5%
80.2%	1969.6	1982.9	13.3	0.7%
81.5%	1902.8	1964.2	61.4	3.2%
82.7%	1829.9	1858.7	28.8	1.6%
84.0%	1814.7	1831.1	16.4	0.9%
85.2%	1813.6	1685.2	-128.4	-7.1%
86.4%	1697.0	1621.8	-75.2	-4.4%
87.7%	1581.6	1583.0	1.4	0.1%
88.9%	1549.2	1549.7	0.5	0.0%
90.1%	1207.8	1288.3	80.5	6.7%
91.4%	1179.7	1219.1	39.4	3.3%
92.6%	1120.8	1128.3	7.4	0.7%
93.8%	1086.4	1034.6	-51.8	-4.8%
95.1%	1082.8	1021.5	-61.2	-5.7%
96.3%	996.9	970.8	-26.0	-2.6%
97.5%	882.4	806.4	-76.0	-8.6%
98.8%	762.0	580.0	-182.0	-23.9%
100.0%	247.1	233.8	-13.3	-5.4%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	8962.9	8596.9	-366.0	-4.1%
1.2%	8690.2	8574.5	-115.8	-1.3%
2.5%	8687.5	8383.8	-303.7	-3.5%
3.7%	8292.3	8150.2	-142.1	-1.7%
4.9%	7088.9	6962.6	-126.4	-1.8%
6.2%	7004.0	6887.0	-117.0	-1.7%
7.4%	6875.8	6826.3	-49.5	-0.7%
8.6%	6869.6	6739.2	-130.5	-1.9%
9.9%	6839.5	6355.6	-484.0	-7.1%
11.1%	6544.2	6167.6	-376.6	-5.8%
12.3%	6437.2	5771.5	-665.7	-10.3%
13.6%	6168.8	5747.4	-421.4	-6.8%
14.8%	5954.0	5610.9	-343.1	-5.8%
16.0%	5723.5	5527.9	-195.6	-3.4%
17.3%	5716.6	5384.5	-332.1	-5.8%
18.5%	5667.0	5367.6	-299.4	-5.3%
19.8%	5608.0	5355.2	-252.7	-4.5%
21.0%	5577.0	5187.7	-389.4	-7.0%
22.2%	5466.0	5162.6	-303.4	-5.6%
23.5%	5453.3	5155.9	-297.3	-5.5%
24.7%	5373.7	4945.4	-428.4	-8.0%
25.9%	5183.4	4941.1	-242.3	-4.7%
27.2%	5145.0	4787.5	-357.6	-6.9%
28.4%	5105.7	4640.8	-464.9	-9.1%
29.6%	5009.8	4553.9	-455.9	-9.1%
30.9%	4555.3	4547.5	-7.8	-0.2%
32.1%	4484.3	4515.9	31.6	0.7%
33.3%	4448.1	4449.4	1.4	0.0%
34.6%	4443.4	4374.6	-68.8	-1.5%
35.8%	4261.0	4310.6	49.6	1.2%
37.0%	3938.6	4217.9	279.3	7.1%
38.3%	3668.7	3848.7	179.9	4.9%
39.5%	3653.9	3526.0	-127.9	-3.5%
40.7%	3604.2	3512.2	-92.0	-2.6%
42.0%	3424.0	3383.9	-40.2	-1.2%
43.2%	3347.4	3221.5	-125.8	-3.8%
44.4%	3260.4	3175.1	-85.4	-2.6%
45.7%	3207.0	3170.5	-36.4	-1.1%
46.9%	3137.5	3160.9	23.4	0.7%
48.1%	3121.3	3057.0	-64.4	-2.1%
49.4%	3063.0	2876.1	-186.9	-6.1%
50.6%	2925.1	2860.1	-65.0	-2.2%
51.9%	2910.0	2714.4	-195.6	-6.7%
53.1%	2691.8	2645.6	-46.2	-1.7%
54.3%	2630.1	2596.3	-33.8	-1.3%
55.6%	2557.7	2572.0	14.4	0.6%
56.8%	2503.6	2481.4	-22.2	-0.9%
58.0%	2463.4	2459.4	-4.0	-0.2%
59.3%	2443.0	2336.8	-106.2	-4.3%
60.5%	2355.5	2281.2	-74.3	-3.2%
61.7%	2311.3	2262.1	-49.2	-2.1%
63.0%	2248.6	2254.7	6.1	0.3%
64.2%	2121.2	2152.7	31.5	1.5%
65.4%	2099.4	2086.7	-12.8	-0.6%
66.7%	2084.9	2069.9	-15.0	-0.7%
67.9%	2072.6	2066.2	-6.3	-0.3%
69.1%	2058.9	2042.9	-16.0	-0.8%
70.4%	2032.6	2029.0	-3.5	-0.2%
71.6%	2029.0	1998.7	-30.3	-1.5%
72.8%	2028.3	1977.8	-50.4	-2.5%
74.1%	1968.1	1911.3	-56.8	-2.9%
75.3%	1966.5	1877.9	-88.6	-4.5%
76.5%	1947.2	1864.0	-83.3	-4.3%
77.8%	1911.1	1862.2	-48.9	-2.6%
79.0%	1868.0	1854.1	-13.9	-0.7%
80.2%	1863.1	1839.5	-23.6	-1.3%
81.5%	1853.0	1823.9	-29.1	-1.6%
82.7%	1837.9	1799.2	-38.7	-2.1%
84.0%	1832.6	1781.8	-50.8	-2.8%
85.2%	1785.9	1768.7	-17.3	-1.0%
86.4%	1774.5	1766.1	-8.4	-0.5%
87.7%	1770.1	1652.5	-117.6	-6.6%
88.9%	1677.0	1616.3	-60.7	-3.6%
90.1%	1659.7	1609.7	-50.0	-3.0%
91.4%	1646.0	1566.0	-80.0	-4.9%
92.6%	1578.1	1542.3	-35.8	-2.3%
93.8%	1494.0	1517.4	23.4	1.6%
95.1%	1477.0	1433.3	-43.7	-3.0%
96.3%	1459.8	1386.9	-73.0	-5.0%
97.5%	1381.1	1379.9	-1.2	-0.1%
98.8%	1265.0	1290.6	25.6	2.0%
100.0%	877.2	891.0	13.8	1.6%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	8626.0	8572.8	-53.3	-0.6%
1.2%	8544.7	8363.5	-181.2	-2.1%
2.5%	8417.2	8351.5	-65.7	-0.8%
3.7%	8381.6	8184.2	-197.4	-2.4%
4.9%	8352.1	8174.6	-177.4	-2.1%
6.2%	8344.6	7875.6	-469.1	-5.6%
7.4%	8318.8	7857.1	-461.7	-5.6%
8.6%	8234.7	7717.0	-517.7	-6.3%
9.9%	8193.4	7644.2	-549.2	-6.7%
11.1%	7914.5	7469.1	-445.4	-5.6%
12.3%	7761.1	7423.6	-337.5	-4.3%
13.6%	7756.7	7406.5	-350.1	-4.5%
14.8%	7173.6	7348.6	175.0	2.4%
16.0%	6983.0	6961.4	-21.6	-0.3%
17.3%	6972.9	6872.9	-100.0	-1.4%
18.5%	6968.1	6840.3	-127.9	-1.8%
19.8%	6911.7	6746.5	-165.1	-2.4%
21.0%	6910.7	6680.6	-230.2	-3.3%
22.2%	6900.0	6666.2	-233.8	-3.4%
23.5%	6867.0	6559.9	-307.2	-4.5%
24.7%	6859.4	6531.0	-328.4	-4.8%
25.9%	6845.5	6518.7	-326.8	-4.8%
27.2%	6839.0	6499.8	-339.2	-5.0%
28.4%	6717.8	6409.3	-308.5	-4.6%
29.6%	6704.0	6311.5	-392.4	-5.9%
30.9%	6695.9	6205.2	-490.7	-7.3%
32.1%	6558.5	6188.6	-370.0	-5.6%
33.3%	6539.7	5928.9	-610.8	-9.3%
34.6%	6460.3	5851.2	-609.0	-9.4%
35.8%	6444.0	5795.8	-648.2	-10.1%
37.0%	6331.7	5770.8	-560.9	-8.9%
38.3%	6022.6	5677.0	-345.6	-5.7%
39.5%	5996.7	5604.5	-392.1	-6.5%
40.7%	5919.8	5561.6	-358.2	-6.1%
42.0%	5781.3	5547.6	-233.7	-4.0%
43.2%	5559.3	5364.3	-195.0	-3.5%
44.4%	5550.9	5289.4	-261.5	-4.7%
45.7%	5498.2	5271.2	-227.0	-4.1%
46.9%	5417.1	5226.5	-190.6	-3.5%
48.1%	5261.6	5213.7	-47.9	-0.9%
49.4%	5246.1	5090.2	-155.9	-3.0%
50.6%	5231.1	5089.1	-142.0	-2.7%
51.9%	5151.2	5001.2	-150.0	-2.9%
53.1%	5150.1	4995.8	-154.3	-3.0%
54.3%	5136.4	4941.4	-195.0	-3.8%
55.6%	5108.0	4861.6	-246.4	-4.8%
56.8%	4966.8	4746.8	-219.9	-4.4%
58.0%	4941.9	4703.7	-238.1	-4.8%
59.3%	4857.2	4694.1	-163.2	-3.4%
60.5%	4792.6	4663.6	-128.9	-2.7%
61.7%	4737.2	4656.6	-80.7	-1.7%
63.0%	4697.2	4630.0	-67.2	-1.4%
64.2%	4685.8	4601.8	-83.9	-1.8%
65.4%	4659.8	4559.2	-100.6	-2.2%
66.7%	4620.7	4522.4	-98.3	-2.1%
67.9%	4529.4	4491.9	-37.5	-0.8%
69.1%	4525.6	4487.1	-38.6	-0.9%
70.4%	4519.5	4470.9	-48.6	-1.1%
71.6%	4514.3	4447.1	-67.2	-1.5%
72.8%	4505.0	4430.7	-74.3	-1.6%
74.1%	4466.8	4426.0	-40.8	-0.9%
75.3%	4459.2	4377.2	-81.9	-1.8%
76.5%	4414.2	4369.8	-44.4	-1.0%
77.8%	4405.6	4369.3	-36.3	-0.8%
79.0%	4360.7	4307.6	-53.1	-1.2%
80.2%	4293.9	4283.3	-10.6	-0.2%
81.5%	4280.6	4219.8	-60.8	-1.4%
82.7%	4275.1	4215.9	-59.2	-1.4%
84.0%	4260.2	4197.2	-63.0	-1.5%
85.2%	4194.0	4135.0	-58.9	-1.4%
86.4%	4150.9	4067.1	-83.8	-2.0%
87.7%	4127.3	4064.8	-62.5	-1.5%
88.9%	4083.1	4064.5	-18.6	-0.5%
90.1%	4082.5	4017.0	-65.5	-1.6%
91.4%	4080.2	3882.2	-198.0	-4.9%
92.6%	4078.0	3878.4	-199.6	-4.9%
93.8%	4049.0	3878.3	-170.7	-4.2%
95.1%	3943.8	3761.2	-182.6	-4.6%
96.3%	3871.2	3635.5	-235.7	-6.1%
97.5%	3790.6	3599.4	-191.2	-5.0%
98.8%	3756.3	3505.6	-250.7	-6.7%
100.0%	3,692.6	3,461.1	-231.5	-6.3%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	10137.3	9875.5	-261.8	-2.6%
1.2%	10105.8	9609.4	-496.4	-4.9%
2.5%	10028.3	9586.6	-441.7	-4.4%
3.7%	9947.5	9549.7	-397.8	-4.0%
4.9%	9939.9	9152.6	-787.3	-7.9%
6.2%	9908.9	9121.8	-787.1	-7.9%
7.4%	9565.2	9041.9	-523.4	-5.5%
8.6%	9359.1	8985.7	-373.4	-4.0%
9.9%	9334.9	8928.1	-406.8	-4.4%
11.1%	9293.8	8864.7	-429.1	-4.6%
12.3%	9286.5	8561.9	-724.5	-7.8%
13.6%	9267.3	8508.7	-758.6	-8.2%
14.8%	9217.3	8482.3	-735.1	-8.0%
16.0%	9115.7	8438.9	-676.8	-7.4%
17.3%	9057.9	8425.4	-632.5	-7.0%
18.5%	8978.8	8341.9	-637.0	-7.1%
19.8%	8963.7	8300.5	-663.2	-7.4%
21.0%	8918.8	8292.9	-625.9	-7.0%
22.2%	8912.5	8280.5	-632.1	-7.1%
23.5%	8907.0	8263.1	-643.9	-7.2%
24.7%	8898.3	8238.8	-659.5	-7.4%
25.9%	8895.9	8192.5	-703.4	-7.9%
27.2%	8894.2	8161.1	-733.2	-8.2%
28.4%	8884.3	8120.4	-763.9	-8.6%
29.6%	8839.9	8040.5	-799.5	-9.0%
30.9%	8821.5	8033.4	-788.1	-8.9%
32.1%	8764.4	8006.9	-757.5	-8.6%
33.3%	8758.7	7982.2	-776.5	-8.9%
34.6%	8731.8	7793.5	-938.3	-10.7%
35.8%	8721.6	7769.2	-952.3	-10.9%
37.0%	8640.8	7706.9	-933.9	-10.8%
38.3%	8622.0	7614.6	-1007.3	-11.7%
39.5%	8603.7	7594.1	-1009.7	-11.7%
40.7%	8598.5	7546.9	-1051.7	-12.2%
42.0%	8597.8	7483.0	-1114.8	-13.0%
43.2%	8402.6	7409.7	-992.9	-11.8%
44.4%	8374.7	7382.5	-992.2	-11.8%
45.7%	8372.7	7360.7	-1012.1	-12.1%
46.9%	8372.1	7353.4	-1018.6	-12.2%
48.1%	8097.4	7162.3	-935.0	-11.5%
49.4%	8022.3	7063.1	-959.2	-12.0%
50.6%	7830.9	7018.3	-812.6	-10.4%
51.9%	7793.3	6988.5	-804.7	-10.3%
53.1%	7638.3	6545.2	-1093.2	-14.3%
54.3%	6375.5	5924.5	-451.0	-7.1%
55.6%	3376.4	3318.4	-58.0	-1.7%
56.8%	3339.7	3253.7	-86.1	-2.6%
58.0%	3248.8	3219.8	-29.1	-0.9%
59.3%	3241.2	3174.1	-67.1	-2.1%
60.5%	3146.6	3010.9	-135.7	-4.3%
61.7%	3080.3	3005.1	-75.2	-2.4%
63.0%	3037.4	2896.5	-140.9	-4.6%
64.2%	2937.3	2865.7	-71.6	-2.4%
65.4%	2921.2	2827.4	-93.8	-3.2%
66.7%	2891.2	2747.4	-143.8	-5.0%
67.9%	2879.4	2693.6	-185.8	-6.5%
69.1%	1828.8	1815.8	-13.0	-0.7%
70.4%	1692.9	1652.2	-40.7	-2.4%
71.6%	1633.9	1634.7	0.8	0.0%
72.8%	1627.0	1632.1	5.1	0.3%
74.1%	1626.9	1608.7	-18.2	-1.1%
75.3%	1609.3	1568.1	-41.2	-2.6%
76.5%	1602.6	1545.2	-57.4	-3.6%
77.8%	1574.3	1512.1	-62.2	-4.0%
79.0%	1560.1	1504.5	-55.6	-3.6%
80.2%	1528.7	1484.2	-44.5	-2.9%
81.5%	1521.8	1460.3	-61.5	-4.0%
82.7%	1519.7	1453.5	-66.2	-4.4%
84.0%	1502.6	1450.9	-51.7	-3.4%
85.2%	1502.5	1448.0	-54.5	-3.6%
86.4%	1489.5	1423.4	-66.1	-4.4%
87.7%	1481.1	1420.8	-60.3	-4.1%
88.9%	1476.6	1413.6	-62.9	-4.3%
90.1%	1464.0	1406.8	-57.2	-3.9%
91.4%	1436.9	1346.7	-90.2	-6.3%
92.6%	1431.6	1339.5	-92.0	-6.4%
93.8%	1418.3	1330.3	-87.9	-6.2%
95.1%	1404.7	1327.0	-77.8	-5.5%
96.3%	1374.0	1322.7	-51.3	-3.7%
97.5%	1361.2	1300.5	-60.7	-4.5%
98.8%	1340.0	1254.1	-85.8	-6.4%
100.0%	1,325.1	1,219.3	-105.8	-8.0%

Figure SQ-23-b
Sacramento River at Mallard Slough (Chipps Island)), Monthly EC
Probability of Exceedance

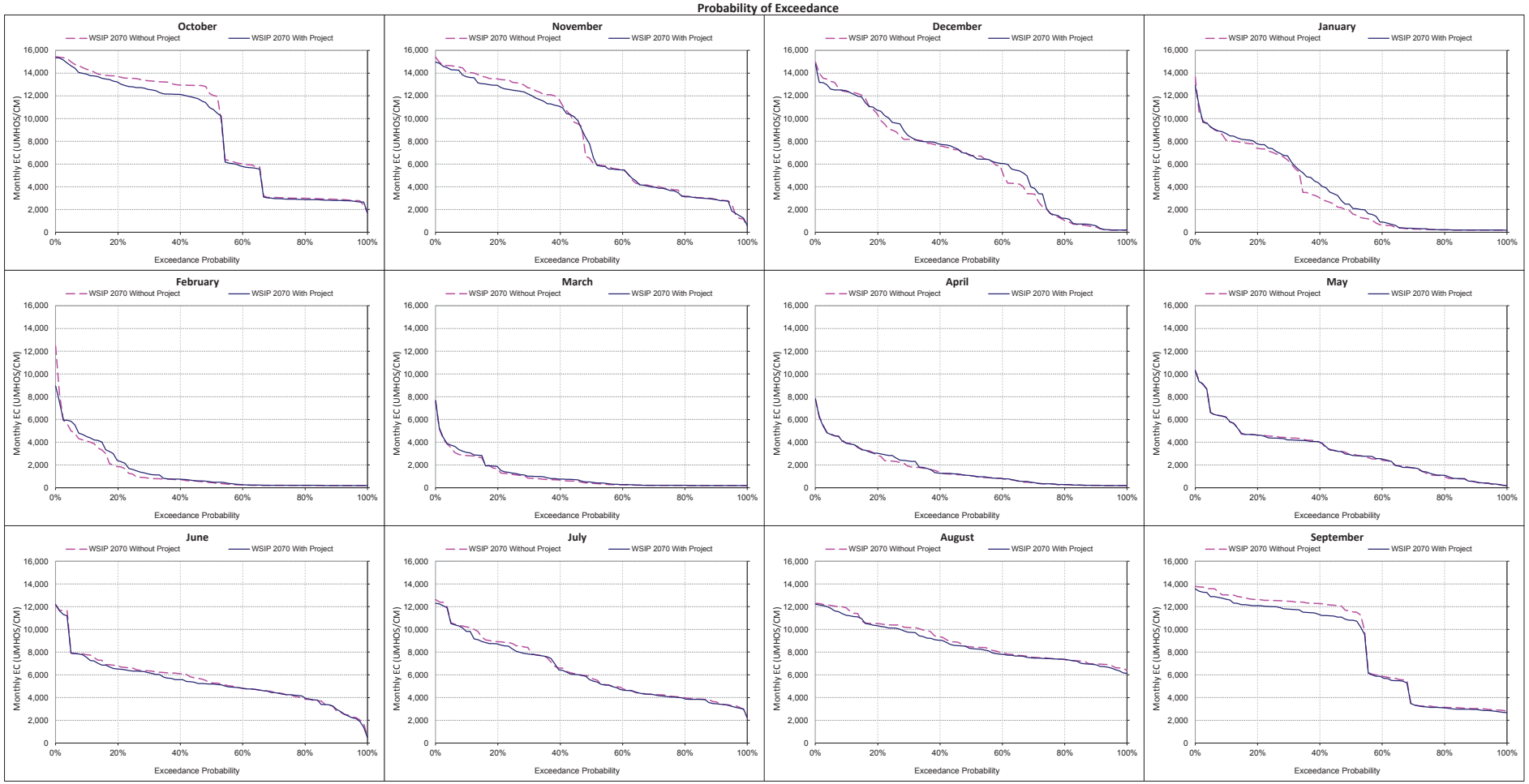


Table SQ-23-b

Sacramento River at Mallard Slough (Chipps Island)), Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	15452.4	15364.4	-87.9	-0.6%
1.2%	15399.0	15330.9	-68.1	-0.4%
2.5%	15354.2	15139.9	-214.3	-1.4%
3.7%	15285.4	14906.8	-378.6	-2.5%
4.9%	14996.3	14657.3	-339.0	-2.3%
6.2%	14770.2	14449.9	-320.2	-2.2%
7.4%	14661.4	14049.0	-612.4	-4.2%
8.6%	14490.3	13993.7	-496.5	-3.4%
9.9%	14342.6	13911.6	-430.9	-3.0%
11.1%	14275.8	13773.1	-502.7	-3.5%
12.3%	14092.0	13745.8	-346.2	-2.5%
13.6%	13921.3	13697.2	-224.2	-1.6%
14.8%	13853.8	13561.2	-292.6	-2.1%
16.0%	13803.8	13471.9	-331.9	-2.4%
17.3%	13766.7	13431.2	-335.4	-2.4%
18.5%	13758.5	13307.3	-451.2	-3.3%
19.8%	13737.9	13237.4	-500.4	-3.6%
21.0%	13635.0	13015.6	-619.4	-4.5%
22.2%	13559.5	12917.9	-641.5	-4.7%
23.5%	13558.0	12808.9	-749.1	-5.5%
24.7%	13543.1	12785.9	-757.2	-5.6%
25.9%	13515.2	12736.5	-778.7	-5.8%
27.2%	13438.8	12722.4	-716.4	-5.3%
28.4%	13379.5	12682.0	-697.5	-5.2%
29.6%	13325.5	12559.8	-765.7	-5.7%
30.9%	13310.4	12529.9	-780.5	-5.9%
32.1%	13263.7	12456.0	-807.7	-6.1%
33.3%	13245.0	12283.2	-961.8	-7.3%
34.6%	13225.2	12184.6	-1040.6	-7.9%
35.8%	13211.7	12160.0	-1051.7	-8.0%
37.0%	13101.2	12155.0	-946.2	-7.2%
38.3%	12999.9	12143.7	-856.2	-6.6%
39.5%	12955.1	12138.3	-816.8	-6.3%
40.7%	12954.9	12077.8	-877.1	-6.8%
42.0%	12937.1	11988.5	-948.6	-7.3%
43.2%	12930.0	11928.7	-1001.3	-7.7%
44.4%	12923.1	11845.9	-1077.2	-8.3%
45.7%	12922.1	11752.2	-1169.9	-9.1%
46.9%	12904.3	11546.5	-1357.8	-10.5%
48.1%	12818.8	11413.2	-1405.6	-11.0%
49.4%	12200.7	10968.2	-1232.5	-10.1%
50.6%	12022.5	10795.0	-1227.4	-10.2%
51.9%	11953.4	10460.4	-1493.0	-12.5%
53.1%	9839.8	10227.9	388.1	3.9%
54.3%	6377.9	6176.0	-201.8	-3.2%
55.6%	6318.6	6078.5	-240.1	-3.8%
56.8%	6215.7	6037.0	-178.7	-2.9%
58.0%	6104.5	5974.2	-130.3	-2.1%
59.3%	6036.6	5838.2	-198.4	-3.3%
60.5%	6034.0	5752.9	-281.1	-4.7%
61.7%	5932.4	5706.0	-226.4	-3.8%
63.0%	5919.3	5674.9	-244.5	-4.1%
64.2%	5750.6	5622.6	-128.0	-2.2%
65.4%	5745.4	5556.0	-189.4	-3.3%
66.7%	3204.4	3104.5	-99.9	-3.1%
67.9%	3064.8	3025.6	-39.2	-1.3%
69.1%	3061.7	2997.0	-64.7	-2.1%
70.4%	3053.3	2953.4	-99.9	-3.3%
71.6%	3045.8	2946.9	-98.9	-3.2%
72.8%	3042.0	2942.0	-100.0	-3.3%
74.1%	3011.5	2912.9	-98.6	-3.3%
75.3%	3005.8	2905.6	-100.1	-3.3%
76.5%	2999.1	2901.4	-97.6	-3.3%
77.8%	2998.9	2894.4	-104.5	-3.5%
79.0%	2997.6	2891.8	-105.8	-3.5%
80.2%	2986.9	2875.8	-111.2	-3.7%
81.5%	2975.7	2873.8	-101.9	-3.4%
82.7%	2965.8	2860.6	-105.2	-3.5%
84.0%	2959.9	2854.5	-105.4	-3.6%
85.2%	2934.0	2854.0	-80.0	-2.7%
86.4%	2924.3	2828.2	-96.2	-3.3%
87.7%	2914.9	2818.1	-96.8	-3.3%
88.9%	2905.5	2797.2	-108.3	-3.7%
90.1%	2894.5	2790.3	-104.1	-3.6%
91.4%	2873.5	2790.2	-83.3	-2.9%
92.6%	2862.3	2778.8	-83.6	-2.9%
93.8%	2826.5	2771.0	-55.4	-2.0%
95.1%	2793.0	2743.3	-49.7	-1.8%
96.3%	2788.4	2704.1	-84.3	-3.0%
97.5%	2769.6	2671.0	-98.6	-3.6%
98.8%	2364.8	2652.3	287.5	12.2%
100.0%	1,746.9	1,692.2	-54.6	-3.1%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	15412.8	14958.1	-454.7	-3.0%
1.2%	14969.9	14881.2	-88.7	-0.6%
2.5%	14690.3	14591.3	-99.0	-0.7%
3.7%	14670.0	14476.8	-193.2	-1.3%
4.9%	14657.5	14301.7	-355.8	-2.4%
6.2%	14595.7	14289.9	-305.8	-2.1%
7.4%	14544.2	14255.3	-288.8	-2.0%
8.6%	14468.1	13857.4	-610.7	-4.2%
9.9%	14064.2	13697.5	-366.8	-2.6%
11.1%	14048.4	13617.7	-430.7	-3.1%
12.3%	14005.9	13604.0	-401.9	-2.9%
13.6%	13875.8	13134.9	-740.9	-5.3%
14.8%	13714.2	13077.3	-637.0	-4.6%
16.0%	13657.5	13044.7	-612.8	-4.5%
17.3%	13527.7	12976.3	-551.5	-4.1%
18.5%	13510.3	12945.0	-565.2	-4.2%
19.8%	13498.7	12923.0	-575.7	-4.3%
21.0%	13430.9	12739.5	-691.5	-5.1%
22.2%	13407.0	12615.8	-791.1	-5.9%
23.5%	13401.6	12579.6	-822.0	-6.1%
24.7%	13186.1	12489.0	-697.1	-5.3%
25.9%	13157.7	12446.9	-710.8	-5.4%
27.2%	13097.4	12398.2	-699.2	-5.3%
28.4%	12957.7	12328.9	-628.8	-4.9%
29.6%	12715.3	12171.4	-543.9	-4.3%
30.9%	12669.3	12030.2	-639.2	-5.0%
32.1%	12449.8	11818.1	-631.7	-5.1%
33.3%	12334.4	11687.7	-646.7	-5.2%
34.6%	12138.8	11536.8	-602.1	-5.0%
35.8%	12101.4	11324.1	-777.3	-6.4%
37.0%	12091.7	11296.5	-795.2	-6.6%
38.3%	11993.9	11187.0	-806.8	-6.7%
39.5%	11734.5	11103.3	-631.3	-5.4%
40.7%	11151.0	10956.1	-195.0	-1.7%
42.0%	10706.9	10437.5	-269.4	-2.5%
43.2%	10331.7	10344.8	13.0	0.1%
44.4%	9685.0	10160.0	475.0	4.9%
45.7%	9541.0	9830.3	289.3	3.0%
46.9%	9293.2	9040.4	-252.8	-2.7%
48.1%	6675.7	8355.5	1679.8	25.2%
49.4%	6524.2	7776.9	1252.7	19.2%
50.6%	6048.0	6547.1	499.1	8.3%
51.9%	5938.1	5874.1	-64.1	-1.1%
53.1%	5874.4	5805.2	-69.2	-1.2%
54.3%	5833.7	5779.4	-54.3	-0.9%
55.6%	5758.6	5565.9	-192.7	-3.3%
56.8%	5617.5	5559.6	-57.8	-1.0%
58.0%	5574.9	5512.7	-62.3	-1.1%
59.3%	5508.8	5493.1	-15.7	-0.3%
60.5%	5497.0	5467.5	-29.5	-0.5%
61.7%	5122.3	5120.4	-1.9	0.0%
63.0%	4614.2	4750.1	135.9	2.9%
64.2%	4324.3	4543.6	219.3	5.1%
65.4%	4233.4	4162.3	-71.1	-1.7%
66.7%	4169.1	4135.7	-33.4	-0.8%
67.9%	4149.4	4067.7	-81.7	-2.0%
69.1%	4064.0	3992.0	-72.1	-1.8%
70.4%	4030.0	3957.9	-72.1	-1.8%
71.6%	4022.0	3870.1	-151.9	-3.8%
72.8%	3904.5	3860.0	-44.5	-1.1%
74.1%	3832.2	3772.9	-59.2	-1.5%
75.3%	3809.5	3666.5	-143.0	-3.8%
76.5%	3725.1	3636.3	-88.8	-2.4%
77.8%	3715.7	3490.5	-225.3	-6.1%
79.0%	3196.8	3151.4	-45.4	-1.4%
80.2%	3164.8	3122.7	-42.2	-1.3%
81.5%	3150.5	3120.4	-30.2	-1.0%
82.7%	3120.0	3074.5	-45.4	-1.5%
84.0%	3041.7	3024.8	-16.9	-0.6%
85.2%	3040.6	3001.7	-39.0	-1.3%
86.4%	3001.8	2969.2	-32.6	-1.1%
87.7%	2997.3	2947.7	-49.6	-1.7%
88.9%	2958.7	2905.9	-52.8	-1.8%
90.1%	2870.6	2862.8	-7.8	-0.3%
91.4%	2826.7	2771.8	-54.9	-1.9%
92.6%	2783.5	2767.3	-16.2	-0.6%
93.8%	2766.5	2718.6	-47.9	-1.7%
95.1%	2423.6	1853.0	-570.7	-23.5%
96.3%	1484.9	1644.4	159.5	10.7%
97.5%	1216.1	1440.1	224.0	18.4%
98.8%	1157.7	1246.1	88.4	7.6%
100.0%	481.8	561.1	79.3	16.5%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	14998.4	14833.3	-165.1	-1.1%
1.2%	13993.6	13176.1	-817.5	-5.8%
2.5%	13553.7	13152.8	-400.9	-3.0%
3.7%	13471.7	12969.1	-502.6	-3.7%
4.9%	13272.0	12601.7	-670.3	-5.1%
6.2%	13188.3	12522.3	-666.0	-5.0%
7.4%	12676.7	12513.2	-163.6	-1.3%
8.6%	12432.1	12490.1	58.1	0.5%
9.9%	12364.7	12456.8	92.1	0.7%
11.1%	12330.1	12300.9	-29.2	-0.2%
12.3%	12283.9	12129.7	-154.1	-1.3%
13.6%	12198.0	11972.0	-226.0	-1.9%
14.8%	12070.1	11914.8	-155.4	-1.3%
16.0%	11763.0	11391.2	-371.8	-3.2%
17.3%	11059.7	11054.0	-5.7	-0.1%
18.5%	10803.8	11004.7	200.9	1.9%
19.8%	10451.7	10741.6	290.0	2.8%
21.0%	9832.7	10653.7	821.1	8.4%
22.2%	9516.6	10258.2	741.6	7.8%
23.5%	9073.8	10060.7	986.9	10.9%
24.7%	8992.6	9658.7	666.1	7.4%
25.9%	8836.3	9608.8	772.5	8.7%
27.2%	8495.4	9540.6	1045.2	12.3%
28.4%	8174.4	8935.9	761.5	9.3%
29.6%	8171.0	8522.2	351.1	4.3%
30.9%	8170.5	8311.9	141.4	1.7%
32.1%	8111.4	8170.7	59.3	0.7%
33.3%	8099.1	8033.9	-65.2	-0.8%
34.6%	8029.5	7977.2	-52.3	-0.7%
35.8%	7838.3	7966.6	128.3	1.6%
37.0%	7805.0	7959.6	154.6	2.0%
38.3%	7719.0	7918.5	199.5	2.6%
39.5%	7572.6	7769.7	197.1	2.6%
40.7%	7569.2	7695.0	125.8	1.7%
42.0%	7468.7	7688.5	219.8	2.9%
43.2%	7446.7	7603.6	156.9	2.1%
44.4%	7269.0	7460.9	191.9	2.6%
45.7%	7262.5	7326.9	64.4	0.9%
46.9%	7113.4	7012.4	-101.0	-1.4%
48.1%	7041.8	6954.6	-87.2	-1.2%
49.4%	6754.4	6847.3	92.9	1.4%
50.6%	6734.0	6709.0	-25.0	-0.4%
51.9%	6708.5	6449.4	-259.1	-3.9%
53.1%	6698.2	6420.8	-277.4	-4.1%
54.3%	6451.4	6420.2	-31.3	-0.5%
55.6%	6399.2	6398.9	-0.3	0.0%
56.8%	6203.1	6231.5	28.4	0.5%
58.0%	5884.2	6135.1	250.9	4.3%
59.3%	5852.3	6064.9	212.7	3.6%
60.5%	4915.8	6047.4	1131.6	23.0%
61.7%	4311.5	5959.2	1647.7	38.2%
63.0%	4303.6	5554.4	1250.7	29.1%
64.2%	4275.1	5478.5	1203.3	28.1%
65.4%	4231.6	5394.8	1163.2	27.5%
66.7%	4013.4	5209.4	1196.0	29.8%
67.9%	3406.9	4961.8	1555.0	45.6%
69.1%	3376.5	3991.9	615.3	18.2%
70.4%	3346.8	3853.5	506.8	15.1%
71.6%	2660.8	3381.1	720.3	27.1%
72.8%	2241.0	3377.6	1136.7	50.7%
74.1%	2039.0	2102.4	63.4	3.1%
75.3%	1682.9	1652.3	-30.7	-1.8%
76.5%	1398.9	1548.0	149.1	10.7%
77.8%	1356.7	1474.4	117.7	8.7%
79.0%	1161.8	1235.5	73.8	6.3%
80.2%	996.2	1227.9	231.7	23.3%
81.5%	884.3	1122.9	238.6	27.0%
82.7%	714.9	758.3	43.4	6.1%
84.0%	685.3	714.9	29.6	4.3%
85.2%	625.6	712.4	86.7	13.9%
86.4%	607.2	711.2	104.0	17.1%
87.7%	547.1	703.9	156.8	28.7%
88.9%	479.9	624.0	144.1	30.0%
90.1%	452.7	569.7	117.0	25.8%
91.4%	302.6	322.0	19.4	
92.6%	244.1	243.6	-0.5	
93.8%	224.7	224.3	-0.4	
95.1%	193.1	198.6	5.5	
96.3%	189.5	189.7	0.1	
97.5%	185.8	187.2	1.4	
98.8%	185.2	184.9	-0.3	
100.0%	183.8	183.9	0.1	

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	13680.7	12906.8	-773.9	-5.7%
1.2%	10616.9	11171.4	554.5	5.2%
2.5%	9857.5	9679.0	-178.5	-1.8%
3.7%	9477.9	9615.8	137.9	1.5%
4.9%	9297.3	9256.3	-41.0	-0.4%
6.2%	9010.6	9070.0	59.5	0.7%
7.4%	8859.8	8904.3	44.4	0.5%
8.6%	8610.0	8851.3	241.3	2.8%
9.9%	8098.9	8690.6	591.8	7.3%
11.1%	8079.3	8473.0	393.7	4.9%
12.3%	7994.6	8468.7	474.2	5.9%
13.6%	7985.6	8291.2	305.6	3.8%
14.8%	7868.6	8175.8	307.2	3.9%
16.0%	7857.6	8137.3	279.7	3.6%
17.3%	7789.0	8123.4	334.4	4.3%
18.5%	7780.3	8054.7	274.4	3.5%
19.8%	7391.8	7807.6	415.7	5.6%
21.0%	7343.7	7701.7	358.0	4.9%
22.2%	7321.9	7701.7	379.8	5.2%
23.5%	7150.5	7405.4	255.0	3.6%
24.7%	7035.5	7371.2	335.7	4.8%
25.9%	6890.3	7108.0	217.7	3.2%
27.2%	6806.7	6951.9	145.2	2.1%
28.4%	6616.7	6770.4	153.6	2.3%
29.6%	6363.6	6714.8	351.2	5.5%
30.9%	6003.8	6184.8	181.0	3.0%
32.1%	5589.9	5793.7	203.8	3.6%
33.3%	5297.9	5459.2	161.3	3.0%
34.6%	3497.3	5250.5	1753.2	50.1%
35.8%	3497.1	4882.8	1385.7	39.6%
37.0%	3320.1	4819.7	1499.5	45.2%
38.3%	3254.0	4508.1	1254.1	38.5%
39.5%	3105.7	4343.0	1237.3	39.8%
40.7%	2844.6	4023.0	1178.4	41.4%
42.0%	2748.3	3908.8	1160.5	42.2%
43.2%	2631.3	3516.7	885.4	33.7%
44.4%	2495.4	3386.6	891.2	35.7%
45.7%	2210.8	3233.2	1022.4	46.2%
46.9%	2161.9	2783.1	621.2	28.7%
48.1%	1982.6	2483.0	500.4	25.2%
49.4%	1939.2	2476.4	537.2	27.7%
50.6%	1599.4	2092.1	492.7	30.8%
51.9%	1495.6	2073.5	577.8	38.6%
53.1%	1287.0	2007.7	720.6	56.0%
54.3%	1229.1	1985.1	756.1	61.5%
55.6%	1174.8	1626.3	451.5	38.4%
56.8%	1042.3	1554.6	512.2	49.1%
58.0%	811.0	1404.3	593.3	73.2%
59.3%	653.2	892.9	239.7	36.7%
60.5%	645.4	875.9	230.5	35.7%
61.7%	591.3	797.2	206.0	34.8%
63.0%	578.9	707.2	128.3	22.2%
64.2%	415.5	607.4	191.8	46.2%
65.4%	377.4	409.4	32.0	8.5%
66.7%	345.7	382.2	36.6	10.6%
67.9%	303.5	349.4	45.8	15.1%
69.1%	291.3	346.9	55.6	19.1%
70.4%	277.1	321.9	44.8	16.2%
71.6%	276.4	308.8	32.4	11.7%
72.8%	261.7	300.6	39.0	14.9%
74.1%	245.8	298.0	52.2	21.2%
75.3%	232.7	249.4	16.7	7.2%
76.5%	222.0	246.3	24.3	11.0%
77.8%	220.3	223.5	3.2	1.5%
79.0%	211.9	212.9	1.0	0.5%
80.2%	207.1	207.5	0.4	0.2%
81.5%	206.9	206.8	-0.1	-0.1%
82.7%	196.9	197.5	0.5	0.3%
84.0%	196.1	196.8	0.7	0.3%
85.2%	195.6	196.0	0.4	0.2%
86.4%	194.7	194.7	0.0	0.0%
87.7%	193.4	194.4	1.0	0.5%
88.9%	193.4	193.7	0.4	0.2%
90.1%	192.7	193.1	0.3	0.2%
91.4%	191.5	192.3	0.8	0.4%
92.6%	191.2	191.3	0.2	0.1%
93.8%	189.0	189.4	0.4	0.2%
95.1%	188.7	188.3	-0.3	-0.2%
96.3%	186.2	187.7	1.5	0.8%
97.5%	186.0	187.5	1.5	0.8%
98.8%	185.9	186.7	0.8	0.4%
100.0%	182.3	182.5	0.1	0.1%

Table SQ-23-b

Sacramento River at Mallard Slough (Chipps Island)), Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	12469.1	8949.3	-3519.9	-28.2%
1.2%	8274.0	7511.8	-762.2	-9.2%
2.5%	5932.0	5946.7	14.7	0.2%
3.7%	5630.3	5933.0	302.7	5.4%
4.9%	4999.5	5851.0	851.5	17.0%
6.2%	4782.5	5531.0	748.6	15.7%
7.4%	4315.4	4797.4	482.0	11.2%
8.6%	4205.2	4673.5	468.3	11.1%
9.9%	4102.6	4496.8	394.2	9.6%
11.1%	4006.8	4378.7	371.9	9.3%
12.3%	3860.4	4199.8	339.4	8.8%
13.6%	3475.5	4156.6	681.1	19.6%
14.8%	3322.8	4026.2	703.4	21.2%
16.0%	3002.3	3340.5	338.2	11.3%
17.3%	2112.8	3163.7	1050.9	49.7%
18.5%	1988.7	2990.4	1001.7	50.4%
19.8%	1857.9	2398.8	540.9	29.1%
21.0%	1822.4	2283.2	460.8	25.3%
22.2%	1670.5	2147.0	476.5	28.5%
23.5%	1260.7	1700.2	439.5	34.9%
24.7%	1197.0	1605.7	408.7	34.1%
25.9%	947.0	1475.5	528.5	55.8%
27.2%	916.4	1374.7	458.3	50.0%
28.4%	893.6	1302.1	408.5	45.7%
29.6%	846.8	1220.7	373.9	44.1%
30.9%	789.0	1133.4	344.4	43.7%
32.1%	788.4	1124.3	335.9	42.6%
33.3%	779.9	1117.7	337.8	43.3%
34.6%	759.8	816.9	57.1	7.5%
35.8%	756.7	782.8	26.0	3.4%
37.0%	743.2	762.1	18.9	2.5%
38.3%	713.4	757.9	44.5	6.2%
39.5%	709.8	755.9	46.1	6.5%
40.7%	690.1	735.1	45.0	6.5%
42.0%	614.7	698.9	84.3	13.7%
43.2%	597.4	671.1	73.8	12.3%
44.4%	596.4	623.2	26.8	4.5%
45.7%	561.1	589.4	28.4	5.1%
46.9%	521.0	587.3	66.2	12.7%
48.1%	501.5	574.5	73.0	14.6%
49.4%	457.2	524.2	67.0	14.7%
50.6%	439.0	487.1	48.2	11.0%
51.9%	360.4	480.0	119.6	33.2%
53.1%	359.0	479.2	120.2	33.5%
54.3%	334.2	437.8	103.6	31.0%
55.6%	296.6	366.0	69.4	23.4%
56.8%	282.0	355.6	73.6	26.1%
58.0%	251.7	299.0	47.3	18.8%
59.3%	251.2	264.8	13.5	5.4%
60.5%	227.8	261.2	33.4	14.7%
61.7%	226.9	239.0	12.1	5.3%
63.0%	213.4	230.6	17.3	8.1%
64.2%	213.2	224.8	11.7	5.5%
65.4%	212.4	223.3	10.9	5.1%
66.7%	208.7	214.5	5.7	2.7%
67.9%	208.5	211.7	3.1	1.5%
69.1%	208.1	211.3	3.2	1.5%
70.4%	207.5	208.6	1.2	0.6%
71.6%	207.4	208.2	0.8	0.4%
72.8%	207.1	207.9	0.8	0.4%
74.1%	206.9	207.4	0.5	0.2%
75.3%	202.9	204.1	1.2	0.6%
76.5%	201.8	202.3	0.5	0.3%
77.8%	201.4	201.4	0.1	0.0%
79.0%	201.1	201.4	0.3	0.1%
80.2%	200.3	200.7	0.4	0.2%
81.5%	198.5	198.8	0.3	0.2%
82.7%	197.6	198.5	0.9	0.5%
84.0%	196.3	196.9	0.5	0.3%
85.2%	195.1	196.5	1.4	0.7%
86.4%	194.5	194.7	0.3	0.1%
87.7%	192.6	193.5	1.0	0.5%
88.9%	191.5	191.9	0.4	0.2%
90.1%	189.9	190.2	0.3	0.2%
91.4%	189.1	189.9	0.7	0.4%
92.6%	188.3	189.8	1.5	0.8%
93.8%	187.9	188.3	0.4	0.2%
95.1%	187.9	188.3	0.4	0.2%
96.3%	187.4	188.1	0.6	0.3%
97.5%	187.4	187.3	0.0	0.0%
98.8%	186.1	186.5	0.4	0.2%
100.0%	184.3	184.3	0.0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	7591.0	7674.3	83.3	1.1%
1.2%	5164.7	5250.8	86.1	1.7%
2.5%	4278.2	4423.4	145.2	3.4%
3.7%	3843.2	3878.8	35.7	0.9%
4.9%	3534.9	3753.9	219.0	6.2%
6.2%	3085.4	3639.5	554.1	18.0%
7.4%	2929.5	3347.4	417.9	14.3%
8.6%	2847.9	3215.7	367.8	12.9%
9.9%	2832.8	3096.3	263.5	9.3%
11.1%	2806.2	3060.0	253.8	9.0%
12.3%	2789.2	2885.2	96.0	3.4%
13.6%	2671.5	2858.5	187.0	7.0%
14.8%	2647.9	2835.7	187.9	7.1%
16.0%	1984.5	1915.8	-68.7	-3.5%
17.3%	1942.8	1912.5	-30.4	-1.6%
18.5%	1720.6	1893.8	173.2	10.1%
19.8%	1685.8	1870.0	184.1	10.9%
21.0%	1285.9	1497.2	211.2	16.4%
22.2%	1261.1	1391.1	130.0	10.3%
23.5%	1194.6	1354.0	159.5	13.4%
24.7%	1160.4	1275.4	115.0	9.9%
25.9%	1119.0	1238.8	119.8	10.7%
27.2%	1081.6	1146.9	65.3	6.0%
28.4%	1070.8	1120.7	49.9	4.7%
29.6%	839.3	1009.0	169.7	20.2%
30.9%	823.7	1006.8	183.1	22.2%
32.1%	794.6	993.4	198.8	25.0%
33.3%	779.1	981.8	202.6	26.0%
34.6%	742.1	960.0	218.0	29.4%
35.8%	714.7	863.6	149.0	20.8%
37.0%	705.5	802.9	97.4	13.8%
38.3%	698.9	798.8	99.9	14.3%
39.5%	680.1	755.9	75.9	11.2%
40.7%	638.1	747.0	109.0	17.1%
42.0%	592.2	741.7	149.5	25.2%
43.2%	579.8	721.1	141.3	24.4%
44.4%	577.7	710.7	133.1	23.0%
45.7%	564.2	693.3	129.1	22.9%
46.9%	467.9	572.7	104.8	22.4%
48.1%	420.0	496.9	76.9	18.3%
49.4%	402.5	495.8	93.3	23.2%
50.6%	377.0	467.7	90.7	24.0%
51.9%	356.4	405.4	49.0	13.7%
53.1%	326.9	402.8	76.0	23.2%
54.3%	309.9	385.3	75.4	24.3%
55.6%	274.1	336.8	62.7	22.9%
56.8%	272.9	290.0	17.1	6.3%
58.0%	269.1	287.8	18.7	6.9%
59.3%	261.1	278.4	17.4	6.6%
60.5%	245.4	277.0	31.6	12.9%
61.7%	242.2	269.9	27.6	11.4%
63.0%	240.9	249.9	8.9	3.7%
64.2%	221.4	240.8	19.4	8.7%
65.4%	218.2	221.5	3.3	1.5%
66.7%	211.4	215.7	4.3	2.0%
67.9%	206.6	214.3	7.8	3.8%
69.1%	205.5	212.0	6.5	3.2%
70.4%	205.0	207.5	2.5	1.2%
71.6%	204.9	207.3	2.4	1.2%
72.8%	203.3	205.7	2.4	1.2%
74.1%	201.4	204.2	2.8	1.4%
75.3%	200.5	203.8	3.3	1.6%
76.5%	200.5	201.5	1.0	0.5%
77.8%	199.6	199.9	0.4	0.2%
79.0%	199.2	199.6	0.4	0.2%
80.2%	196.5	197.8	1.3	0.7%
81.5%	193.4	195.2	1.7	0.9%
82.7%	193.4	193.8	0.4	0.2%
84.0%	192.6	193.2	0.6	0.3%
85.2%	191.1	192.5	1.4	0.7%
86.4%	191.1	191.8	0.7	0.4%
87.7%	190.9	191.5	0.6	0.3%
88.9%	190.8	191.3	0.5	0.3%
90.1%	190.7	191.1	0.4	0.2%
91.4%	189.6	190.7	1.1	0.6%
92.6%	189.1	189.4	0.3	0.2%
93.8%	189.1	189.1	0.0	0.0%
95.1%	188.4	188.5	0.1	0.1%
96.3%	188.2	188.4	0.2	0.1%
97.5%	187.0	187.5	0.5	0.3%
98.8%	184.3	184.2	0.0	0.0%
100.0%	183.4	183.3	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	7801.6	7840.6	39.0	0.5%
1.2%	6300.1	6194.3	-105.8	-1.7%
2.5%	5516.8	5416.4	-100.4	-1.8%
3.7%	4873.5	4838.7	-34.9	-0.7%
4.9%	4749.4	4691.2	-58.1	-1.2%
6.2%	4552.3	4569.2	16.9	0.4%
7.4%	4530.7	4522.8	-7.8	-0.2%
8.6%	4193.5	4095.9	-97.5	-2.3%
9.9%	3900.2	3933.5	33.3	0.9%
11.1%	3891.3	3844.7	-46.5	-1.2%
12.3%	3843.1	3786.5	-56.6	-1.5%
13.6%	3510.4	3610.5	100.1	2.9%
14.8%	3399.7	3329.0	-70.8	-2.1%
16.0%	3273.1	3294.4	21.3	0.7%
17.3%	3244.7	3142.3	-102.4	-3.2%
18.5%	3089.8	3036.1	-53.7	-1.7%
19.8%	2831.4	3035.0	203.6	7.2%
21.0%	2763.9	2969.6	205.6	7.4%
22.2%	2375.8	2893.4	517.6	21.8%
23.5%	2359.7	2841.1	481.4	20.4%
24.7%	2338.7	2828.3	489.6	20.9%
25.9%	2301.9	2600.1	298.2	13.0%
27.2%	2222.0	2426.2	204.2	9.2%
28.4%	2142.5	2401.4	258.9	12.1%
29.6%	1900.3	2353.6	453.3	23.9%
30.9%	1818.7	2311.7	492.9	27.1%
32.1%	1779.6	2310.0	530.4	29.8%
33.3%	1775.6	1805.5	29.9	1.7%
34.6%	1709.0	1784.0	75.0	4.4%
35.8%	1691.4	1691.3	-0.2	0.0%
37.0%	1577.5	1586.3	8.7	0.6%
38.3%	1517.0	1321.7	-195.3	-12.9%
39.5%	1405.0	1284.5	-120.6	-8.6%
40.7%	1247.6	1263.1	15.6	1.2%
42.0%	1218.4	1261.5	43.2	3.5%
43.2%	1196.8	1251.6	54.8	4.6%
44.4%	1196.0	1222.2	26.2	2.2%
45.7%	1141.3	1206.9	65.6	5.7%
46.9%	1137.8	1140.7	2.9	0.3%
48.1%	1082.6	1098.7	16.1	1.5%
49.4%	1069.1	1084.1	14.9	1.4%
50.6%	1033.0	1029.0	-4.0	-0.4%
51.9%	979.3	968.9	-10.4	-1.1%
53.1%	914.2	966.6	52.4	5.7%
54.3%	886.9	955.8	68.9	7.8%
55.6%	883.5	897.5	14.1	1.6%
56.8%	861.3	846.5	-14.8	-1.7%
58.0%	839.7	833.9	-5.8	-0.7%
59.3%	823.4	826.6	3.1	0.4%
60.5%	753.3	777.8	24.5	3.3%
61.7%	750.0	774.9	24.9	3.3%
63.0%	692.1	699.3	7.2	1.0%
64.2%	638.0	644.2	6.2	1.0%
65.4%	547.0	563.5	16.5	3.0%
66.7%	487.6	543.2	55.5	11.4%
67.9%	475.7	539.2	63.5	13.3%
69.1%	454.0	491.8	37.7	8.3%
70.4%	389.8	436.1	46.3	11.9%
71.6%	374.1	372.4	-1.6	-0.4%
72.8%	342.9	348.1	5.2	1.5%
74.1%	339.9	338.3	-1.6	-0.5%
75.3%	333.3	333.2	-0.1	0.0%
76.5%	305.4	319.4	14.0	4.6%
77.8%	274.6	277.4	2.8	1.0%
79.0%	265.6	274.7	9.2	3.4%
80.2%	264.8	268.1	3.3	1.3%
81.5%	254.0	266.4	12.4	4.9%
82.7%	240.2	240.0	-0.2	-0.1%
84.0%	230.1	237.2	7.2	3.1%
85.2%	222.2	234.3	12.1	5.5%
86.4%	207.4	212.6	5.2	2.5%
87.7%	205.1	208.9	3.8	1.9%
88.9%	199.6	202.5	2.9	1.5%
90.1%	197.4	200.1	2.7	1.3%
91.4%	196.9	197.1	0.3	0.1%
92.6%	191.2	191.2	0.0	0.0%
93.8%	190.7	190.4	-0.3	-0.2%
95.1%	189.7	189.7	0.0	0.0%
96.3%	188.5	188.5	0.0	0.0%
97.5%	186.9	187.6	0.7	0.4%
98.8%	184.1	184.4	0.2	0.1%
100.0%	184.0	183.9	-0.1	-0.1%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	10304.4	10316.4	12.1	0.1%
1.2%	9462.9	9330.7	-132.2	-1.4%
2.5%	9063.0	9132.9	70.0	0.8%
3.7%	8697.2	8659.6	-37.6	-0.4%
4.9%	6628.3	6597.9	-30.4	-0.5%
6.2%	6397.0	6426.5	29.5	0.5%
7.4%	6387.1	6352.4	-34.7	-0.5%
8.6%	6297.3	6300.3	3.1	0.0%
9.9%	6198.3	6217.9	19.6	0.3%
11.1%	5790.6	5790.9	0.3	0.0%
12.3%	5658.1	5662.9	4.8	0.1%
13.6%	5320.9	5242.0	-78.9	-1.5%
14.8%	4703.1	4795.8	92.7	2.0%
16.0%	4696.2	4683.1	-13.1	-0.3%
17.3%	4689.7	4677.5	-12.2	-0.3%
18.5%	4687.6	4651.7	-35.9	-0.8%
19.8%	4625.9	4626.2	0.3	0.0%
21.0%	4610.8	4607.0	-3.8	-0.1%
22.2%	4587.9	4511.6	-76.3	-1.7%
23.5%	4535.5	4381.5	-154.0	-3.4%
24.7%	4533.8	4359.8	-174.1	-3.8%
25.9%	4516.6	4358.9	-157.8	-3.5%
27.2%	4431.3	4338.6	-92.7	-2.1%
28.4%	4422.6	4317.2	-105.3	-2.4%
29.6%	4395.2	4205.0	-190.2	-4.3%
30.9%	4364.4	4191.2	-173.3	-4.0%
32.1%	4364.4	4175.0	-189.4	-4.3%
33.3%	4329.7	4165.9	-163.7	-3.8%
34.6%	4271.1	4147.3	-123.7	-2.9%
35.8%	4179.9	4138.1	-41.8	-1.0%
37.0%	4165.2	4071.9	-93.4	-2.2%
38.3%	4152.8	4061.6	-91.3	-2.2%
39.5%	4044.1	4047.3	3.2	0.1%
40.7%	3892.5	3907.4	14.9	0.4%
42.0%	3441.6	3615.7	174.1	5.1%
43.2%	3384.4	3311.0	-73.4	-2.2%
44.4%	3271.5	3295.7	24.2	0.7%
45.7%	3219.3	3204.6	-14.7	-0.5%
46.9%	3186.7	3173.8	-12.9	-0.4%
48.1%	3122.7	2963.1	-159.5	-5.1%
49.4%	2945.5	2913.7	-31.7	-1.1%
50.6%	2937.8	2831.3	-106.5	-3.6%
51.9%	2856.8	2816.2	-40.6	-1.4%
53.1%	2806.5	2791.4	-15.1	-0.5%
54.3%	2761.3	2762.3	1.0	0.0%
55.6%	2628.8	2756.6	127.7	4.9%
56.8%	2529.3	2730.0	200.6	7.9%
58.0%	2520.6	2556.0	35.4	1.4%
59.3%	2512.4	2547.9	35.6	1.4%
60.5%	2375.7	2494.4	118.7	5.0%
61.7%	2372.5	2404.9	32.4	1.4%
63.0%	2241.6	2304.1	62.5	2.8%
64.2%	1941.0	1973.0	32.0	1.6%
65.4%	1918.7	1898.2	-20.5	-1.1%
66.7%	1897.6	1788.2	-109.4	-5.8%
67.9%	1828.5	1771.8	-56.7	-3.1%
69.1%	1773.8	1755.1	-18.7	-1.1%
70.4%	1703.7	1725.1	21.5	1.3%
71.6%	1570.5	1672.0	101.5	6.5%
72.8%	1457.8	1412.1	-45.7	-3.1%
74.1%	1265.9	1392.2	126.3	10.0%
75.3%	1113.5	1267.4	153.9	13.8%
76.5%	1083.0	1155.8	72.7	6.7%
77.8%	1078.0	1108.1	30.1	2.8%
79.0%	1070.6	1095.3	24.7	2.3%
80.2%	930.3	1070.7	140.4	15.1%
81.5%	803.7	930.1	126.4	15.7%
82.7%	792.2	813.0	20.8	2.6%
84.0%	783.9	807.3	23.3	3.0%
85.2%	769.9	804.2	34.3	4.5%
86.4%	758.3	791.6	33.3	4.4%
87.7%	571.1	569.9	-1.3	-0.2%
88.9%	554.8	569.2	14.4	2.6%
90.1%	478.8	504.1	25.2	5.3%
91.4%	404.9	435.3	30.5	7.5%
92.6%	394.7	419.4	24.7	6.3%
93.8%	373.3	415.1	41.7	11.2%
95.1%	332.4	326.3	-6.1	-1.8%
96.3%	318.4	313.5	-4.9	-1.5%
97.5%	265.5	265.8	0.2	0.1%
98.8%	214.3	210.8	-3.4	-1.6%
100.0%	187.9	190.4	2.6	1.4%

Table SQ-23-b

Sacramento River at Mallard Slough (Chipps Island)), Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	12113.4	12197.9	84.5	0.7%
1.2%	11686.1	11637.8	-48.3	-0.4%
2.5%	11653.8	11315.1	-338.7	-2.9%
3.7%	11627.3	11188.6	-438.7	-3.8%
4.9%	7900.5	7927.7	27.2	0.3%
6.2%	7873.3	7869.4	-3.9	0.0%
7.4%	7868.1	7850.4	-17.7	-0.2%
8.6%	7850.5	7774.9	-75.6	-1.0%
9.9%	7772.0	7531.5	-240.5	-3.1%
11.1%	7738.7	7262.3	-476.3	-6.2%
12.3%	7517.2	7215.7	-301.5	-4.0%
13.6%	7290.4	7011.7	-278.7	-3.8%
14.8%	7286.6	6863.1	-423.5	-5.8%
16.0%	6904.6	6859.0	-45.6	-0.7%
17.3%	6896.5	6692.7	-203.8	-3.0%
18.5%	6845.2	6568.0	-277.2	-4.1%
19.8%	6827.9	6519.6	-308.3	-4.5%
21.0%	6685.9	6503.8	-182.2	-2.7%
22.2%	6659.8	6435.9	-223.9	-3.4%
23.5%	6613.9	6376.1	-237.8	-3.6%
24.7%	6595.6	6330.2	-265.3	-4.0%
25.9%	6446.4	6324.0	-122.4	-1.9%
27.2%	6392.9	6304.1	-88.8	-1.4%
28.4%	6384.5	6297.6	-86.9	-1.4%
29.6%	6358.2	6189.8	-168.4	-2.6%
30.9%	6330.9	6127.6	-203.3	-3.2%
32.1%	6263.2	6042.3	-221.0	-3.5%
33.3%	6232.4	6027.7	-204.7	-3.3%
34.6%	6210.2	5818.4	-391.8	-6.3%
35.8%	6168.9	5712.7	-456.1	-7.4%
37.0%	6158.6	5698.4	-460.2	-7.5%
38.3%	6157.6	5588.9	-568.7	-9.2%
39.5%	6112.8	5584.6	-528.2	-8.6%
40.7%	6097.6	5575.2	-522.4	-8.6%
42.0%	6031.8	5429.1	-602.7	-10.0%
43.2%	5824.9	5405.4	-419.4	-7.2%
44.4%	5744.1	5352.5	-391.6	-6.8%
45.7%	5699.3	5248.1	-451.2	-7.9%
46.9%	5628.2	5231.6	-396.6	-7.0%
48.1%	5501.7	5210.0	-291.7	-5.3%
49.4%	5307.5	5195.9	-111.6	-2.1%
50.6%	5275.8	5188.5	-87.3	-1.7%
51.9%	5270.7	5143.0	-127.8	-2.4%
53.1%	5207.6	5114.9	-92.7	-1.8%
54.3%	5112.2	5012.9	-99.3	-1.9%
55.6%	5039.7	4941.8	-98.0	-1.9%
56.8%	4998.7	4906.4	-92.3	-1.8%
58.0%	4877.6	4892.9	15.3	0.3%
59.3%	4852.4	4855.3	2.9	0.1%
60.5%	4800.6	4773.8	-26.8	-0.6%
61.7%	4747.7	4755.4	7.6	0.2%
63.0%	4743.6	4755.1	11.5	0.2%
64.2%	4719.5	4706.3	-13.2	-0.3%
65.4%	4641.8	4656.0	14.2	0.3%
66.7%	4585.6	4591.1	5.5	0.1%
67.9%	4579.4	4571.5	-7.9	-0.2%
69.1%	4547.9	4430.5	-117.4	-2.6%
70.4%	4434.1	4426.7	-7.4	-0.2%
71.6%	4413.4	4365.4	-48.0	-1.1%
72.8%	4352.4	4296.5	-55.9	-1.3%
74.1%	4247.6	4265.9	18.3	0.4%
75.3%	4242.7	4247.8	5.2	0.1%
76.5%	4119.7	4215.1	95.4	2.3%
77.8%	4045.9	4185.9	140.0	3.5%
79.0%	3956.5	4152.3	195.7	4.9%
80.2%	3845.6	3923.5	77.9	2.0%
81.5%	3835.3	3869.5	34.2	0.9%
82.7%	3755.4	3800.0	44.5	1.2%
84.0%	3719.0	3786.1	67.1	1.8%
85.2%	3696.5	3389.1	-307.4	-8.3%
86.4%	3384.2	3386.5	2.4	0.1%
87.7%	3367.3	3357.8	-9.5	-0.3%
88.9%	3244.2	3244.4	0.2	0.0%
90.1%	2801.8	2943.2	141.4	5.0%
91.4%	2710.7	2779.2	68.5	2.5%
92.6%	2519.9	2536.0	16.1	0.6%
93.8%	2463.6	2381.3	-82.4	-3.3%
95.1%	2288.2	2231.2	-57.0	-2.5%
96.3%	2244.1	2150.9	-93.2	-4.2%
97.5%	2036.2	1899.1	-137.1	-6.7%
98.8%	1728.8	1371.9	-356.9	-20.6%
100.0%	524.2	481.2	-43.0	-8.2%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	12625.4	12281.6	-343.8	-2.7%
1.2%	12408.0	12240.2	-167.8	-1.4%
2.5%	12373.0	12094.9	-278.1	-2.2%
3.7%	11988.3	11904.7	-83.6	-0.7%
4.9%	10588.1	10511.4	-76.7	-0.7%
6.2%	10457.1	10389.2	-67.9	-0.6%
7.4%	10336.9	10297.5	-39.4	-0.4%
8.6%	10301.7	10152.4	-149.3	-1.4%
9.9%	10227.9	9830.4	-397.5	-3.9%
11.1%	10164.4	9823.2	-341.2	-3.4%
12.3%	10003.4	9174.6	-828.8	-8.3%
13.6%	9825.0	9096.6	-728.4	-7.4%
14.8%	9327.8	8924.8	-403.0	-4.3%
16.0%	9076.7	8853.7	-223.0	-2.5%
17.3%	9013.8	8760.2	-253.6	-2.8%
18.5%	8947.0	8753.1	-193.9	-2.2%
19.8%	8924.0	8722.3	-201.7	-2.3%
21.0%	8905.9	8609.1	-296.9	-3.3%
22.2%	8863.2	8548.2	-315.0	-3.6%
23.5%	8849.8	8531.6	-318.1	-3.6%
24.7%	8751.8	8281.5	-470.3	-5.4%
25.9%	8558.3	8074.3	-484.0	-5.7%
27.2%	8550.4	7980.5	-569.9	-6.7%
28.4%	8458.2	7888.0	-570.2	-6.7%
29.6%	8412.3	7829.1	-583.2	-6.9%
30.9%	7843.3	7790.3	-52.9	-0.7%
32.1%	7747.5	7765.5	18.0	0.2%
33.3%	7729.1	7706.3	-22.8	-0.3%
34.6%	7706.1	7654.9	-51.2	-0.7%
35.8%	7501.9	7577.9	76.0	1.0%
37.0%	7117.6	7452.0	334.4	4.7%
38.3%	6749.6	6973.8	224.3	3.3%
39.5%	6599.9	6436.1	-163.8	-2.5%
40.7%	6596.0	6391.9	-204.1	-3.1%
42.0%	6310.0	6243.6	-66.5	-1.1%
43.2%	6194.3	6093.1	-101.2	-1.6%
44.4%	6110.8	6041.8	-69.0	-1.1%
45.7%	6065.7	6018.3	-47.4	-0.8%
46.9%	5973.6	5954.1	-19.6	-0.3%
48.1%	5933.7	5875.3	-58.4	-1.0%
49.4%	5884.7	5577.4	-307.3	-5.2%
50.6%	5624.1	5436.2	-187.9	-3.3%
51.9%	5531.7	5381.6	-150.2	-2.7%
53.1%	5172.4	5177.1	4.7	0.1%
54.3%	5146.8	5103.4	-43.3	-0.8%
55.6%	5099.0	5099.9	0.9	0.0%
56.8%	4990.4	4957.9	-32.6	-0.7%
58.0%	4958.9	4881.7	-77.1	-1.6%
59.3%	4913.5	4719.7	-193.8	-3.9%
60.5%	4722.8	4653.2	-69.6	-1.5%
61.7%	4680.8	4612.8	-68.0	-1.5%
63.0%	4600.3	4597.2	-3.2	-0.1%
64.2%	4435.2	4484.4	49.2	1.1%
65.4%	4372.6	4390.2	17.6	0.4%
66.7%	4359.4	4335.2	-24.2	-0.6%
67.9%	4299.5	4295.8	-3.8	-0.1%
69.1%	4277.4	4294.2	16.8	0.4%
70.4%	4257.2	4237.3	-19.9	-0.5%
71.6%	4256.9	4155.5	-101.4	-2.4%
72.8%	4236.0	4137.3	-98.7	-2.3%
74.1%	4191.5	4103.8	-87.7	-2.1%
75.3%	4123.2	4057.0	-66.2	-1.6%
76.5%	4088.2	4041.5	-46.7	-1.1%
77.8%	4066.1	4001.4	-64.7	-1.6%
79.0%	3988.1	3979.1	-9.0	-0.2%
80.2%	3980.6	3862.4	-118.3	-3.0%
81.5%	3929.0	3849.6	-79.4	-2.0%
82.7%	3927.5	3848.3	-79.2	-2.0%
84.0%	3871.4	3847.8	-23.6	-0.6%
85.2%	3855.3	3847.7	-7.6	-0.2%
86.4%	3835.9	3830.5	-5.5	-0.1%
87.7%	3829.0	3569.3	-259.7	-6.8%
88.9%	3652.0	3472.4	-179.6	-4.9%
90.1%	3613.3	3466.6	-146.7	-4.1%
91.4%	3412.4	3413.2	0.8	0.0%
92.6%	3378.0	3391.7	13.7	0.4%
93.8%	3374.7	3325.7	-49.0	-1.5%
95.1%	3280.8	3234.7	-46.1	-1.4%
96.3%	3274.1	3133.6	-140.5	-4.3%
97.5%	3135.9	3070.7	-65.1	-2.1%
98.8%	2954.9	3003.1	48.2	1.6%
100.0%	2,195.2	2,221.1	25.9	1.2%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	12297.6	12224.0	-73.6	-0.6%
1.2%	12278.1	12165.3	-112.8	-0.9%
2.5%	12189.4	12075.1	-114.3	-0.9%
3.7%	12157.6	12008.2	-149.4	-1.2%
4.9%	12109.9	11858.6	-251.3	-2.1%
6.2%	12042.8	11632.1	-410.7	-3.4%
7.4%	11987.5	11554.5	-433.0	-3.6%
8.6%	11980.9	11388.8	-592.1	-4.9%
9.9%	11905.9	11240.6	-665.3	-5.6%
11.1%	11595.4	11201.9	-393.5	-3.4%
12.3%	11419.9	11124.3	-295.5	-2.6%
13.6%	11396.5	11093.1	-303.4	-2.7%
14.8%	10737.0	10953.2	216.2	2.0%
16.0%	10564.1	10515.3	-48.8	-0.5%
17.3%	10523.6	10475.8	-47.8	-0.5%
18.5%	10516.8	10384.2	-132.6	-1.3%
19.8%	10506.0	10319.3	-186.7	-1.8%
21.0%	10486.2	10256.8	-229.5	-2.2%
22.2%	10428.8	10208.3	-220.5	-2.1%
23.5%	10393.7	10127.7	-265.9	-2.6%
24.7%	10388.9	10122.3	-266.6	-2.6%
25.9%	10388.2	10094.6	-293.6	-2.8%
27.2%	10384.9	10012.0	-372.8	-3.6%
28.4%	10201.8	9876.0	-325.9	-3.2%
29.6%	10174.5	9760.6	-413.9	-4.1%
30.9%	10158.0	9730.7	-427.3	-4.2%
32.1%	10151.3	9708.8	-442.5	-4.4%
33.3%	10056.3	9443.9	-612.4	-6.1%
34.6%	9934.1	9363.1	-571.0	-5.7%
35.8%	9933.9	9236.5	-697.4	-7.0%
37.0%	9781.5	9218.5	-563.0	-5.8%
38.3%	9425.8	9105.4	-320.4	-3.4%
39.5%	9374.3	9046.8	-327.5	-3.5%
40.7%	9311.6	9022.0	-289.6	-3.1%
42.0%	9106.3	8874.8	-231.5	-2.5%
43.2%	8909.7	8678.0	-231.6	-2.6%
44.4%	8904.7	8582.1	-322.6	-3.6%
45.7%	8882.9	8570.0	-312.8	-3.5%
46.9%	8708.7	8536.2	-172.5	-2.0%
48.1%	8498.0	8517.2	19.2	0.2%
49.4%	8484.1	8352.9	-131.2	-1.5%
50.6%	8448.2	8305.8	-142.4	-1.7%
51.9%	8418.7	8276.3	-142.4	-1.7%
53.1%	8409.7	8259.1	-150.6	-1.8%
54.3%	8402.9	8181.3	-221.7	-2.6%
55.6%	8328.0	8113.1	-214.8	-2.6%
56.8%	8144.5	7941.1	-203.4	-2.5%
58.0%	8093.5	7865.0	-228.4	-2.8%
59.3%	7970.2	7811.6	-158.6	-2.0%
60.5%	7920.4	7805.2	-115.2	-1.5%
61.7%	7823.3	7733.2	-90.1	-1.2%
63.0%	7802.2	7730.4	-71.8	-0.9%
64.2%	7731.2	7657.5	-73.8	-1.0%
65.4%	7705.6	7656.0	-49.6	-0.6%
66.7%	7678.9	7624.2	-54.7	-0.7%
67.9%	7642.2	7550.2	-92.0	-1.2%
69.1%	7554.1	7493.1	-61.0	-0.8%
70.4%	7539.3	7484.6	-54.8	-0.7%
71.6%	7509.4	7477.0	-32.5	-0.4%
72.8%	7508.5	7457.0	-51.5	-0.7%
74.1%	7488.2	7424.0	-64.2	-0.9%
75.3%	7427.0	7421.1	-6.0	-0.1%
76.5%	7421.9	7412.5	-9.3	-0.1%
77.8%	7394.5	7393.0	-1.5	0.0%
79.0%	7381.0	7385.6	4.6	0.1%
80.2%	7330.0	7370.5	40.4	0.6%
81.5%	7275.5	7293.4	18.0	0.2%
82.7%	7261.4	7252.4	-9.0	-0.1%
84.0%	7229.3	7200.0	-29.3	-0.4%
85.2%	7211.8	7017.3	-194.5	-2.7%
86.4%	7167.9	6972.4	-195.5	-2.7%
87.7%	6988.7	6943.0	-45.7	-0.7%
88.9%	6968.0	6931.9	-36.1	-0.5%
90.1%	6953.8	6882.3	-71.6	-1.0%
91.4%	6941.9	6752.8	-189.1	-2.7%
92.6%	6921.0	6710.7	-210.3	-3.0%
93.8%	6909.6	6671.7	-237.9	-3.4%
95.1%	6809.7	6576.4	-233.3	-3.4%
96.3%	6628.6	6439.2	-189.4	-2.9%
97.5%	6606.9	6360.6	-246.3	-3.7%
98.8%	6565.0	6171.2	-393.7	-6.0%
100.0%	6,373.0	6,129.2	-243.8	-3.8%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	13783.8	13571.2	-212.5	-1.5%
1.2%	13734.6	13360.2	-374.3	-2.7%
2.5%	13717.4	13265.3	-452.0	-3.3%
3.7%	13585.5	13248.5	-337.0	-2.5%
4.9%	13581.0	12893.9	-687.1	-5.1%
6.2%	13578.1	12887.6	-690.5	-5.1%
7.4%	13304.8	12827.3	-477.5	-3.6%
8.6%	13044.7	12739.6	-305.2	-2.3%
9.9%	13032.3	12666.9	-365.3	-2.8%
11.1%	13025.1	12594.7	-430.4	-3.3%
12.3%	13016.9	12303.1	-713.8	-5.5%
13.6%	12899.8	12298.7	-601.0	-4.7%
14.8%	12840.7	12185.5	-655.2	-5.1%
16.0%	12768.8	12184.3	-584.5	-4.6%
17.3%	12684.4	12140.8	-543.6	-4.3%
18.5%	12645.3	12091.5	-553.8	-4.4%
19.8%	12627.7	12082.8	-544.9	-4.3%
21.0%	12606.4	12078.7	-527.6	-4.2%
22.2%	12557.6	12047.7	-510.0	-4.1%
23.5%	12554.8	12019.5	-535.2	-4.3%
24.7%	12540.1	11985.5	-554.6	-4.4%
25.9%	12536.9	11983.4	-553.5	-4.4%
27.2%	12520.1	11924.0	-596.2	-4.8%
28.4%	12506.8	11809.7	-697.1	-5.6%
29.6%	12478.2	11784.5	-693.7	-5.6%
30.9%	12470.0	11758.4	-711.7	-5.7%
32.1%	12414.4	11750.5	-663.9	-5.3%
33.3%	12411.3	11728.8	-682.5	-5.5%
34.6%	12399.4	11512.6	-886.9	-7.2%
35.8%	12324.7	11488.2	-836.5	-6.8%
37.0%	12312.7	11471.6	-841.1	-6.8%
38.3%	12291.3	11441.9	-849.4	-6.9%
39.5%	12282.7	11332.5	-950.2	-7.7%
40.7%	12251.2	11219.8	-1031.4	-8.4%
42.0%	12203.6	11208.7	-994.9	-8.2%
43.2%	12147.5	11206.3	-941.1	-7.7%
44.4%	12128.4	11180.3	-948.1	-7.8%
45.7%	12086.7	11090.0	-996.7	-8.2%
46.9%	12057.4	11088.5	-968.9	-8.0%
48.1%	11686.5	10904.4	-782.1	-6.7%
49.4%	11640.7	10817.1	-823.5	-7.1%
50.6%	11544.8	10807.9	-736.9	-6.4%
51.9%	11505.6	10717.8	-787.8	-6.8%
53.1%	11262.5	10188.3	-1074.2	-9.5%
54.3%	9927.1	9550.4	-376.7	-3.8%
55.6%	6194.0	6148.3	-45.7	-0.7%
56.8%	6064.1	5991.3	-72.8	-1.2%
58.0%	5999.0	5874.5	-124.5	-2.1%
59.3%	5976.4	5874.2	-102.2	-1.7%
60.5%	5841.7	5684.7	-157.0	-2.7%
61.7%	5793.8	5670.8	-123.1	-2.1%
63.0%	5710.2	5522.0	-188.1	-3.3%
64.2%	5699.2	5494.2	-205.0	-3.6%
65.4%	5591.2	5480.1	-111.1	-2.0%
66.7%	5554.1	5450.3	-103.8	-1.9%
67.9%	5524.1	5293.8	-230.3	-4.2%
69.1%	3479.8	3471.4	-8.4	-0.2%
70.4%	3315.8	3335.5	19.7	0.6%
71.6%	3273.9	3271.1	-2.8	-0.1%
72.8%	3261.4	3197.7	-63.7	-2.0%
74.1%	3260.4	3188.6	-71.8	-2.2%
75.3%	3255.9	3146.4	-109.5	-3.4%
76.5%	3187.5	3138.6	-48.9	-1.5%
77.8%	3152.6	3134.1	-18.5	-0.6%
79.0%	3142.1	3120.5	-21.7	-0.7%
80.2%	3135.0	3100.1	-34.9	-1.1%
81.5%	3131.5	3048.8	-82.8	-2.6%
82.7%	3126.5	2996.4	-130.1	-4.2%
84.0%	3118.4	2981.2	-137.2	-4.4%
85.2%	3097.0	2978.3	-118.7	-3.8%
86.4%	3055.9	2970.5	-85.4	-2.8%
87.7%	3055.9	2969.8	-86.0	-2.8%
88.9%	3044.6	2949.1	-95.4	-3.1%
90.1%	3040.9	2945.1	-95.7	-3.1%
91.4%	3016.1	2904.7	-111.3	-3.7%
92.6%	3014.2	2864.0	-150.3	-5.0%
93.8%	2961.7	2857.7	-104.1	-3.5%
95.1%	2944.6	2834.9	-109.7	-3.7%
96.3%	2905.6	2801.1	-104.5	-3.6%
97.5%	2904.0	2749.2	-154.9	-5.3%
98.8%	2866.9	2700.0	-166.9	-5.8%
100.0%	2,824.1	2,677.9	-146.1	-5.2%

Figure SQ-24-b
Sacramento River at Port Chicago (Roe Island), Monthly EC
Probability of Exceedance

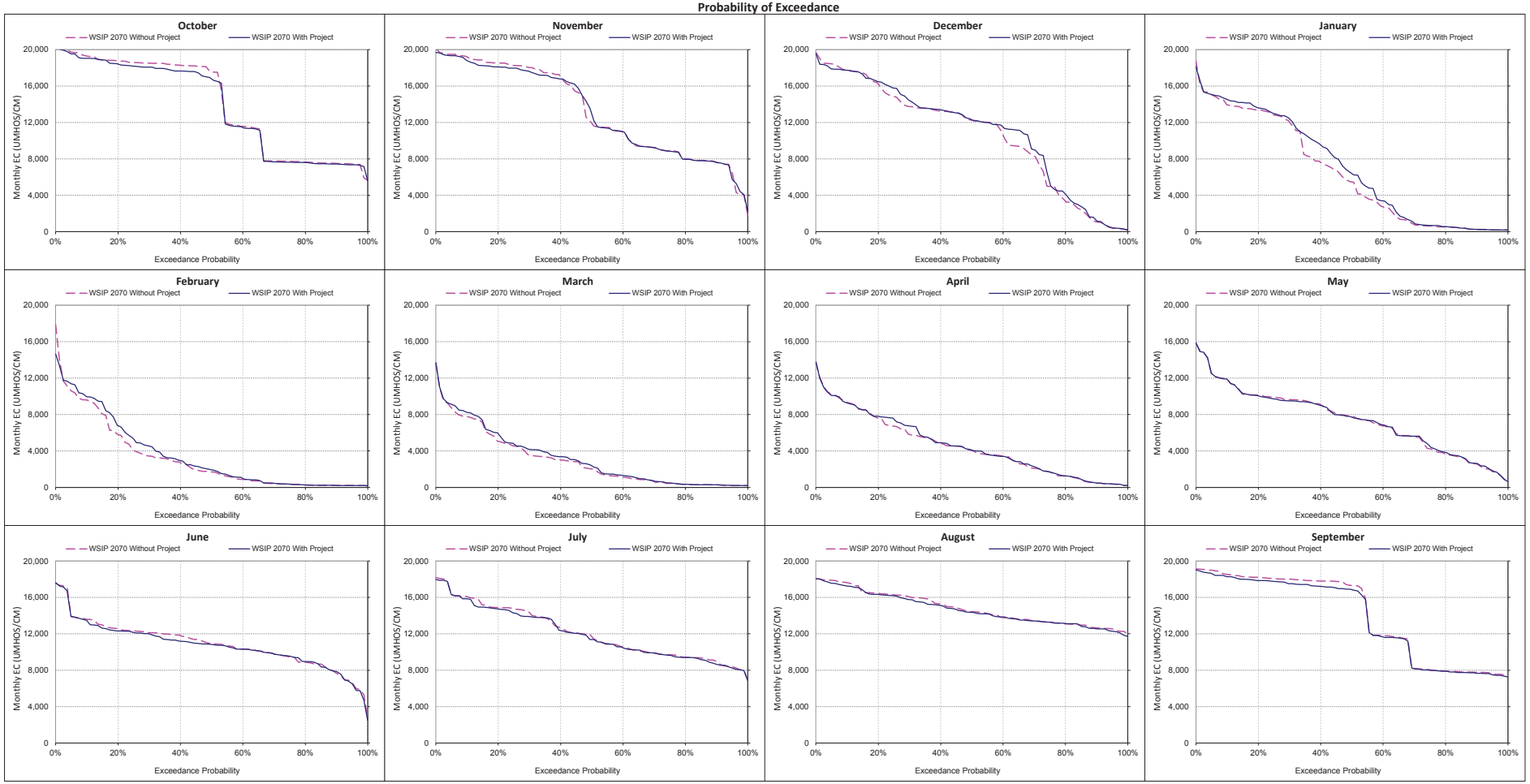


Table SQ-24-b

Sacramento River at Port Chicago (Roe Island), Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	20179.5	20159.6	-19.9	-0.1%
1.2%	20115.0	20045.1	-69.9	-0.3%
2.5%	20053.0	19927.3	-125.8	-0.6%
3.7%	19971.0	19799.6	-171.4	-0.9%
4.9%	19723.3	19547.3	-176.0	-0.9%
6.2%	19681.8	19547.2	-134.5	-0.7%
7.4%	19641.9	19120.5	-521.3	-2.7%
8.6%	19401.4	19053.8	-347.6	-1.8%
9.9%	19292.7	19043.5	-249.2	-1.3%
11.1%	19238.2	19039.6	-198.6	-1.0%
12.3%	19216.0	19009.2	-206.8	-1.1%
13.6%	18914.5	18929.5	15.0	0.1%
14.8%	18866.7	18877.3	10.7	0.1%
16.0%	18864.9	18863.7	-1.2	0.0%
17.3%	18824.2	18499.8	-324.4	-1.7%
18.5%	18822.0	18476.3	-345.7	-1.8%
19.8%	18786.7	18444.3	-342.4	-1.8%
21.0%	18737.6	18298.4	-439.1	-2.3%
22.2%	18735.3	18266.2	-469.0	-2.5%
23.5%	18610.1	18243.8	-366.3	-2.0%
24.7%	18591.5	18190.1	-401.5	-2.2%
25.9%	18574.4	18172.1	-402.3	-2.2%
27.2%	18560.8	18117.6	-443.2	-2.4%
28.4%	18527.1	18092.8	-434.3	-2.3%
29.6%	18525.9	18089.3	-436.6	-2.4%
30.9%	18507.8	18081.5	-426.3	-2.3%
32.1%	18506.5	17946.5	-560.0	-3.0%
33.3%	18496.3	17941.6	-554.7	-3.0%
34.6%	18489.4	17929.7	-559.7	-3.0%
35.8%	18398.4	17857.0	-541.4	-2.9%
37.0%	18380.4	17745.1	-635.4	-3.5%
38.3%	18323.2	17652.5	-670.7	-3.7%
39.5%	18294.5	17651.4	-643.1	-3.5%
40.7%	18258.0	17639.3	-618.7	-3.4%
42.0%	18255.9	17636.2	-619.7	-3.4%
43.2%	18223.3	17600.8	-622.5	-3.4%
44.4%	18222.6	17581.6	-640.9	-3.5%
45.7%	18158.7	17445.3	-713.4	-3.9%
46.9%	18143.0	17121.3	-1021.8	-5.6%
48.1%	18132.7	17037.5	-1095.2	-6.0%
49.4%	17603.5	16927.3	-676.2	-3.8%
50.6%	17524.1	16636.7	-887.4	-5.1%
51.9%	17514.7	16517.2	-997.6	-5.7%
53.1%	15526.7	16316.8	790.1	5.1%
54.3%	12023.6	11843.0	-180.5	-1.5%
55.6%	11805.6	11673.0	-132.7	-1.1%
56.8%	11711.2	11608.0	-103.3	-0.9%
58.0%	11707.8	11572.2	-135.6	-1.2%
59.3%	11563.8	11541.1	-22.8	-0.2%
60.5%	11559.8	11386.2	-173.6	-1.5%
61.7%	11535.8	11342.6	-193.3	-1.7%
63.0%	11438.8	11335.0	-103.8	-0.9%
64.2%	11351.9	11283.4	-68.4	-0.6%
65.4%	11283.4	11153.0	-130.4	-1.2%
66.7%	7792.2	7721.1	-71.1	-0.9%
67.9%	7782.9	7706.6	-76.3	-1.0%
69.1%	7771.2	7680.3	-90.9	-1.2%
70.4%	7764.4	7666.8	-97.6	-1.3%
71.6%	7757.9	7660.8	-97.1	-1.3%
72.8%	7743.2	7648.7	-94.5	-1.2%
74.1%	7742.0	7646.7	-95.3	-1.2%
75.3%	7727.5	7630.7	-96.8	-1.3%
76.5%	7702.4	7619.3	-83.2	-1.1%
77.8%	7698.7	7616.5	-82.2	-1.1%
79.0%	7654.2	7614.5	-39.7	-0.5%
80.2%	7647.1	7614.0	-33.2	-0.4%
81.5%	7629.3	7562.4	-66.9	-0.9%
82.7%	7583.3	7494.0	-89.2	-1.2%
84.0%	7551.2	7462.9	-88.4	-1.2%
85.2%	7544.7	7461.1	-83.6	-1.1%
86.4%	7536.4	7454.4	-82.0	-1.1%
87.7%	7534.7	7437.5	-97.2	-1.3%
88.9%	7515.4	7425.5	-89.9	-1.2%
90.1%	7500.1	7423.6	-76.5	-1.0%
91.4%	7464.2	7408.0	-56.2	-0.8%
92.6%	7461.3	7386.0	-75.3	-1.0%
93.8%	7459.9	7361.9	-98.0	-1.3%
95.1%	7425.2	7357.7	-67.6	-0.9%
96.3%	7410.0	7337.8	-72.2	-1.0%
97.5%	7391.5	7296.9	-94.6	-1.3%
98.8%	5920.0	7147.1	1227.1	20.7%
100.0%	5,637.3	5,575.9	-61.5	-1.1%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	20131.9	19678.7	-453.1	-2.3%
1.2%	19690.1	19653.7	-36.4	-0.2%
2.5%	19578.5	19444.5	-134.0	-0.7%
3.7%	19492.5	19368.4	-124.1	-0.6%
4.9%	19491.8	19341.4	-150.4	-0.8%
6.2%	19490.3	19337.9	-152.4	-0.8%
7.4%	19329.2	19239.1	-90.1	-0.5%
8.6%	19327.5	19166.4	-161.1	-0.8%
9.9%	19236.1	18815.1	-421.0	-2.2%
11.1%	18958.4	18614.6	-343.7	-1.8%
12.3%	18913.0	18517.5	-395.5	-2.1%
13.6%	18870.3	18285.7	-584.7	-3.1%
14.8%	18868.8	18262.0	-606.8	-3.2%
16.0%	18595.8	18235.4	-360.5	-1.9%
17.3%	18591.1	18186.3	-404.8	-2.2%
18.5%	18546.4	18109.1	-437.3	-2.4%
19.8%	18527.8	18105.7	-422.1	-2.3%
21.0%	18527.2	18089.3	-437.9	-2.4%
22.2%	18512.3	18075.9	-436.4	-2.4%
23.5%	18367.0	17976.5	-390.5	-2.1%
24.7%	18269.3	17971.8	-297.5	-1.6%
25.9%	18249.5	17951.1	-298.3	-1.6%
27.2%	18230.4	17806.0	-424.5	-2.3%
28.4%	18214.2	17694.4	-519.9	-2.9%
29.6%	18046.5	17644.3	-402.2	-2.2%
30.9%	18019.7	17481.4	-538.3	-3.0%
32.1%	17840.9	17343.0	-497.9	-2.8%
33.3%	17791.7	17207.6	-584.1	-3.3%
34.6%	17473.6	17194.2	-279.4	-1.6%
35.8%	17459.7	17175.9	-283.8	-1.6%
37.0%	17430.3	16946.3	-483.9	-2.8%
38.3%	17276.6	16893.2	-383.4	-2.2%
39.5%	17267.1	16785.4	-481.7	-2.8%
40.7%	16654.3	16762.2	107.9	0.6%
42.0%	16226.1	16488.8	262.6	1.6%
43.2%	16109.6	16346.7	237.1	1.5%
44.4%	15492.4	16226.1	733.7	4.7%
45.7%	15265.5	15762.7	497.2	3.3%
46.9%	15090.7	14976.0	-114.8	-0.8%
48.1%	12586.4	14327.1	1740.7	13.8%
49.4%	12193.8	13577.7	1384.0	11.3%
50.6%	11615.4	12207.7	592.3	5.1%
51.9%	11494.2	11519.0	24.8	0.2%
53.1%	11486.4	11425.6	-60.8	-0.5%
54.3%	11457.6	11392.9	-64.6	-0.6%
55.6%	11442.4	11334.4	-108.0	-0.9%
56.8%	11200.3	11125.7	-74.6	-0.7%
58.0%	11040.4	11116.1	75.7	0.7%
59.3%	11038.1	11037.1	-1.0	0.0%
60.5%	10991.9	10929.3	-62.6	-0.6%
61.7%	10154.8	10152.4	-2.4	0.0%
63.0%	9782.3	9718.1	-64.2	-0.7%
64.2%	9427.1	9567.2	140.1	1.5%
65.4%	9382.5	9366.0	-16.5	-0.2%
66.7%	9367.3	9344.0	-23.3	-0.2%
67.9%	9293.4	9318.4	25.0	0.3%
69.1%	9281.9	9270.5	-11.4	-0.1%
70.4%	9234.9	9195.5	-39.3	-0.4%
71.6%	9057.8	9033.8	-24.0	-0.3%
72.8%	8924.8	8943.3	18.5	0.2%
74.1%	8893.2	8849.7	-43.5	-0.5%
75.3%	8883.3	8821.1	-62.2	-0.7%
76.5%	8864.2	8772.6	-91.6	-1.0%
77.8%	8764.7	8718.5	-46.3	-0.5%
79.0%	8025.9	7981.2	-44.7	-0.6%
80.2%	7997.8	7957.1	-40.8	-0.5%
81.5%	7963.6	7943.5	-20.1	-0.3%
82.7%	7856.5	7831.0	-25.4	-0.3%
84.0%	7829.5	7812.2	-17.3	-0.2%
85.2%	7822.3	7800.7	-21.7	-0.3%
86.4%	7816.1	7778.4	-37.6	-0.5%
87.7%	7799.9	7743.6	-56.3	-0.7%
88.9%	7748.0	7706.5	-41.4	-0.5%
90.1%	7620.2	7567.6	-52.6	-0.7%
91.4%	7551.4	7536.2	-15.2	-0.2%
92.6%	7412.9	7404.8	-8.1	-0.1%
93.8%	7401.6	7348.3	-53.4	-0.7%
95.1%	6401.3	5713.5	-687.8	-10.7%
96.3%	4275.6	5282.9	1007.3	23.6%
97.5%	4100.7	4423.6	322.9	7.9%
98.8%	4045.8	4062.0	16.3	0.4%
100.0%	1,780.2	2,196.4	416.2	23.4%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	19682.7	19570.6	-112.1	-0.6%
1.2%	19027.3	18397.2	-630.1	-3.3%
2.5%	18527.8	18357.3	-170.5	-0.9%
3.7%	18483.4	18215.2	-268.1	-1.5%
4.9%	18451.7	17869.0	-582.7	-3.2%
6.2%	18359.5	17853.5	-506.0	-2.8%
7.4%	18092.3	17847.3	-244.9	-1.4%
8.6%	17843.4	17777.8	-65.6	-0.4%
9.9%	17697.0	17744.9	47.9	0.3%
11.1%	17634.0	17698.7	64.7	0.4%
12.3%	17619.6	17606.3	-13.4	-0.1%
13.6%	17548.1	17553.8	5.8	0.0%
14.8%	17478.2	17337.7	-140.5	-0.8%
16.0%	17283.3	16860.4	-422.9	-2.4%
17.3%	16716.8	16852.5	135.8	0.8%
18.5%	16497.6	16689.3	191.6	1.2%
19.8%	16342.3	16507.8	165.5	1.0%
21.0%	15739.1	16417.3	678.1	4.3%
22.2%	15248.7	16173.7	925.0	6.1%
23.5%	15013.1	15987.4	974.3	6.5%
24.7%	14906.9	15790.6	883.7	5.9%
25.9%	14767.2	15732.8	965.6	6.5%
27.2%	14272.6	15094.0	821.3	5.8%
28.4%	13902.1	14915.4	1013.3	7.3%
29.6%	13750.1	14469.8	719.7	5.2%
30.9%	13732.3	14222.1	489.8	3.6%
32.1%	13606.9	13942.0	335.1	2.5%
33.3%	13594.2	13630.1	35.9	0.3%
34.6%	13578.1	13562.6	-15.5	-0.1%
35.8%	13567.7	13527.5	-40.1	-0.3%
37.0%	13441.7	13521.8	80.1	0.6%
38.3%	13344.4	13445.7	101.3	0.8%
39.5%	13262.2	13436.8	174.7	1.3%
40.7%	13233.9	13333.9	100.0	0.8%
42.0%	13197.3	13250.0	52.7	0.4%
43.2%	13166.0	13139.9	-26.0	-0.2%
44.4%	13080.8	13078.0	-2.7	0.0%
45.7%	13059.1	13005.5	-53.6	-0.4%
46.9%	12824.2	12870.0	45.8	0.4%
48.1%	12373.7	12524.6	150.9	1.2%
49.4%	12281.8	12403.4	121.6	1.0%
50.6%	12220.9	12164.7	-56.2	-0.5%
51.9%	12196.4	12160.9	-35.5	-0.3%
53.1%	12066.4	12066.4	0.0	0.0%
54.3%	12009.3	12018.0	8.7	0.1%
55.6%	11999.2	11977.4	-21.8	-0.2%
56.8%	11992.1	11782.7	-209.4	-1.7%
58.0%	11732.3	11773.6	41.4	0.4%
59.3%	11134.9	11723.0	588.1	5.3%
60.5%	10239.2	11357.1	1117.9	10.9%
61.7%	9507.1	11247.1	1740.0	18.3%
63.0%	9459.7	11238.6	1778.9	18.8%
64.2%	9410.6	11174.0	1763.4	18.7%
65.4%	9356.7	11108.7	1752.1	18.7%
66.7%	9119.7	10738.3	1618.6	17.7%
67.9%	8776.1	10656.1	1880.0	21.4%
69.1%	8439.2	9090.7	651.5	7.7%
70.4%	8234.3	8959.2	724.9	8.8%
71.6%	7358.1	8471.3	1113.3	15.1%
72.8%	6644.5	8367.9	1723.4	25.9%
74.1%	4986.6	6461.7	1475.1	29.6%
75.3%	4963.7	5005.1	41.4	0.8%
76.5%	4920.6	4641.1	-279.5	-5.7%
77.8%	4061.8	4480.0	418.2	10.3%
79.0%	3707.5	4463.8	756.3	20.4%
80.2%	3253.2	4030.7	777.4	23.9%
81.5%	3243.6	3467.8	224.2	6.9%
82.7%	2968.6	3143.2	174.6	5.9%
84.0%	2577.5	2973.7	396.2	15.4%
85.2%	2377.1	2729.6	352.5	14.8%
86.4%	2011.6	2440.3	428.6	21.3%
87.7%	1559.5	1604.3	44.7	2.9%
88.9%	1184.2	1574.8	390.6	33.0%
90.1%	1061.4	1170.0	108.6	10.2%
91.4%	1018.6	1111.6	93.0	9.1%
92.6%	762.3	761.6	-0.8	-0.1%
93.8%	502.0	543.0	41.0	
95.1%	393.3	420.3	26.9	
96.3%	346.2	375.3	29.1	
97.5%	340.1	362.9	22.7	
98.8%	269.3	274.8	5.5	
100.0%	194.2	195.5	1.3	

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	18764.7	18117.6	-647.1	-3.4%
1.2%	16272.2	16661.1	388.9	2.4%
2.5%	15360.3	15331.6	-28.7	-0.2%
3.7%	15323.9	15200.6	-123.3	-0.8%
4.9%	15046.1	15089.8	43.7	0.3%
6.2%	14845.7	14974.7	129.0	0.9%
7.4%	14592.3	14899.2	306.9	2.1%
8.6%	14559.3	14703.4	144.1	1.0%
9.9%	13952.3	14552.0	599.7	4.3%
11.1%	13847.6	14379.2	531.7	3.8%
12.3%	13777.6	14341.0	563.4	4.1%
13.6%	13776.9	14203.4	426.5	3.1%
14.8%	13581.0	14197.5	616.5	4.5%
16.0%	13520.8	14146.4	625.6	4.6%
17.3%	13515.8	14134.2	618.4	4.6%
18.5%	13425.9	13785.9	360.0	2.7%
19.8%	13349.2	13629.5	280.3	2.1%
21.0%	13341.0	13532.0	191.0	1.4%
22.2%	13233.3	13454.5	221.2	1.7%
23.5%	13151.3	13229.9	78.6	0.6%
24.7%	12835.8	12987.4	151.5	1.2%
25.9%	12769.7	12892.4	122.8	1.0%
27.2%	12681.6	12756.5	74.9	0.6%
28.4%	12385.0	12747.9	362.9	2.9%
29.6%	12197.4	12502.0	304.6	2.5%
30.9%	11638.7	12098.2	459.5	3.9%
32.1%	11093.0	11364.1	271.1	2.4%
33.3%	11060.6	10970.8	-89.8	-0.8%
34.6%	8498.5	10760.1	2261.5	26.6%
35.8%	8298.0	10465.8	2167.8	26.1%
37.0%	8189.1	10148.6	1959.6	23.9%
38.3%	7772.0	9924.6	2152.6	27.7%
39.5%	7745.4	9646.5	1901.1	24.5%
40.7%	7387.0	9331.0	1944.0	26.3%
42.0%	7274.1	9154.9	1880.9	25.9%
43.2%	7064.4	8604.2	1539.8	21.8%
44.4%	6788.3	8144.1	1355.7	20.0%
45.7%	6548.8	7949.6	1400.7	21.4%
46.9%	6045.5	7235.3	1189.8	19.7%
48.1%	5696.3	6831.1	1134.8	19.9%
49.4%	5496.3	6510.4	1014.1	18.5%
50.6%	5425.1	6248.7	823.7	15.2%
51.9%	4156.3	6219.1	2062.7	49.6%
53.1%	4136.4	5341.4	1205.0	29.1%
54.3%	3801.1	5006.5	1205.5	31.7%
55.6%	3560.7	4775.0	1214.2	34.1%
56.8%	3460.1	4741.0	1281.0	37.0%
58.0%	3228.4	3551.2	322.8	10.0%
59.3%	2806.5	3412.9	606.4	21.6%
60.5%	2651.0	3346.2	695.3	26.2%
61.7%	2608.7	2972.0	363.4	13.9%
63.0%	2126.7	2888.5	761.8	35.8%
64.2%	1621.1	2150.9	529.8	32.7%
65.4%	1361.0	1684.7	323.7	23.8%
66.7%	1316.2	1559.1	242.9	18.5%
67.9%	1207.5	1318.6	111.1	9.2%
69.1%	924.3	1148.8	224.5	24.3%
70.4%	711.0	844.7	133.7	18.8%
71.6%	706.9	786.3	79.4	11.2%
72.8%	640.0	717.3	77.2	12.1%
74.1%	637.1	691.6	54.5	8.6%
75.3%	631.9	683.5	51.6	8.2%
76.5%	575.8	668.4	92.5	16.1%
77.8%	526.3	666.8	140.5	26.7%
79.0%	521.3	547.6	26.3	5.1%
80.2%	513.3	544.6	31.3	6.1%
81.5%	511.9	514.2	2.3	0.4%
82.7%	479.5	470.1	-9.3	-1.9%
84.0%	449.3	457.1	7.8	1.7%
85.2%	376.1	385.7	9.6	2.5%
86.4%	363.6	380.7	17.2	4.7%
87.7%	268.6	270.9	2.3	
88.9%	258.0	269.1	11.1	
90.1%	256.7	255.2	-1.5	
91.4%	240.9	248.7	7.8	
92.6%	234.7	246.2	11.5	
93.8%	224.3	228.1	3.8	
95.1%	194.5	196.0	1.6	
96.3%	193.9	194.5	0.7	
97.5%	193.2	194.5	1.3	
98.8%	192.6	194.4	1.9	
100.0%	192.5	193.0	0.5	

Table SQ-24-b

Sacramento River at Port Chicago (Roe Island), Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	17840.4	14645.8	-3194.6	-17.9%
1.2%	13995.2	13318.6	-676.7	-4.8%
2.5%	11677.9	11750.8	73.0	0.6%
3.7%	11125.0	11675.8	550.8	5.0%
4.9%	10615.6	11392.9	777.3	7.3%
6.2%	10377.3	11269.3	892.0	8.6%
7.4%	9812.0	10372.7	560.6	5.7%
8.6%	9621.3	10309.4	688.2	7.2%
9.9%	9603.5	9958.1	354.6	3.7%
11.1%	9442.6	9925.3	482.8	5.1%
12.3%	9228.6	9801.0	572.4	6.2%
13.6%	8719.7	9471.1	751.4	8.6%
14.8%	8084.2	9425.4	1341.2	16.6%
16.0%	7903.8	8429.2	525.3	6.6%
17.3%	6282.7	8187.5	1904.8	30.3%
18.5%	6251.0	7742.5	1491.5	23.9%
19.8%	5822.2	6809.6	987.4	17.0%
21.0%	5694.8	6629.3	934.5	16.4%
22.2%	4947.6	6054.1	1106.5	22.4%
23.5%	4747.3	5711.9	964.6	20.3%
24.7%	4124.0	5429.4	1305.4	31.7%
25.9%	3901.0	4918.5	1017.5	26.1%
27.2%	3757.8	4894.3	1136.5	30.2%
28.4%	3544.6	4645.6	1101.0	31.1%
29.6%	3449.1	4562.4	1113.3	32.3%
30.9%	3422.4	4454.4	1032.0	30.2%
32.1%	3237.1	3962.4	725.3	22.4%
33.3%	3232.2	3884.4	652.2	20.2%
34.6%	3200.0	3400.3	200.3	6.3%
35.8%	3126.2	3245.5	119.4	3.8%
37.0%	2959.1	3226.4	267.3	9.0%
38.3%	2821.1	3135.2	314.1	11.1%
39.5%	2788.0	2960.2	172.2	6.2%
40.7%	2567.6	2889.9	322.4	12.6%
42.0%	2484.1	2490.0	5.9	0.2%
43.2%	2167.4	2489.6	322.2	14.9%
44.4%	1929.2	2336.9	407.8	21.1%
45.7%	1871.6	2272.9	401.4	21.4%
46.9%	1766.3	2130.5	364.2	20.6%
48.1%	1762.7	2068.3	305.6	17.3%
49.4%	1695.3	1978.6	283.3	16.7%
50.6%	1691.7	1899.0	207.3	12.3%
51.9%	1571.8	1737.1	165.3	10.5%
53.1%	1340.8	1519.0	178.1	13.3%
54.3%	1270.9	1452.8	181.9	14.3%
55.6%	1168.5	1306.3	137.8	11.8%
56.8%	1103.8	1172.0	68.2	6.2%
58.0%	936.4	1109.6	173.2	18.5%
59.3%	885.1	1103.7	218.6	24.7%
60.5%	878.9	890.2	11.4	1.3%
61.7%	829.1	865.2	36.2	4.4%
63.0%	715.4	827.6	112.2	15.7%
64.2%	702.8	817.5	114.7	16.3%
65.4%	691.6	738.2	46.7	6.7%
66.7%	478.1	482.9	4.8	1.0%
67.9%	440.1	477.8	37.7	8.6%
69.1%	420.5	475.1	54.5	13.0%
70.4%	405.1	431.3	26.2	6.5%
71.6%	376.2	387.9	11.7	3.1%
72.8%	371.3	379.8	8.5	2.3%
74.1%	357.1	371.9	14.8	4.1%
75.3%	327.5	357.8	30.2	9.2%
76.5%	311.0	327.6	16.6	5.3%
77.8%	306.9	321.8	14.8	4.8%
79.0%	280.5	291.5	11.0	3.9%
80.2%	255.4	273.2	17.7	6.9%
81.5%	244.2	264.3	20.1	8.2%
82.7%	236.0	240.5	4.5	1.9%
84.0%	217.7	220.5	2.9	1.3%
85.2%	217.6	219.6	2.0	0.9%
86.4%	214.3	219.0	4.7	2.2%
87.7%	213.6	217.0	3.4	1.6%
88.9%	213.1	216.4	3.3	1.6%
90.1%	210.7	215.6	5.0	2.4%
91.4%	209.3	215.6	6.3	3.0%
92.6%	208.8	210.2	1.4	0.7%
93.8%	207.4	207.9	0.5	0.2%
95.1%	207.2	207.0	-0.2	-0.1%
96.3%	200.7	203.5	2.8	1.4%
97.5%	200.3	200.7	0.4	0.2%
98.8%	198.9	198.9	0.0	0.0%
100.0%	185.3	185.3	0.0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	13594.3	13686.8	92.5	0.7%
1.2%	10913.2	11031.5	118.4	1.1%
2.5%	9515.4	9740.1	224.6	2.4%
3.7%	9261.9	9288.5	26.6	0.3%
4.9%	8762.1	9143.4	381.3	4.4%
6.2%	8270.2	8950.3	680.1	8.2%
7.4%	7956.4	8475.3	518.9	6.5%
8.6%	7819.4	8433.7	614.3	7.9%
9.9%	7786.9	8233.7	446.8	5.7%
11.1%	7690.4	8199.5	509.1	6.6%
12.3%	7517.2	7942.6	425.4	5.7%
13.6%	7459.4	7785.0	325.6	4.4%
14.8%	7204.8	7410.4	205.6	2.9%
16.0%	6116.7	6351.4	234.7	3.8%
17.3%	5844.1	6253.5	409.4	7.0%
18.5%	5653.7	6044.2	390.4	6.9%
19.8%	5077.8	6001.1	923.2	18.2%
21.0%	4973.8	5443.3	469.5	9.4%
22.2%	4826.1	4970.0	144.0	3.0%
23.5%	4764.8	4893.9	129.1	2.7%
24.7%	4570.3	4840.1	269.8	5.9%
25.9%	4513.1	4541.7	28.6	0.6%
27.2%	4354.8	4533.8	179.0	4.1%
28.4%	4019.0	4383.6	364.6	9.1%
29.6%	3566.0	4209.9	643.9	18.1%
30.9%	3488.4	4149.7	661.3	19.0%
32.1%	3439.2	4139.3	700.1	20.4%
33.3%	3396.3	4085.4	689.1	20.3%
34.6%	3371.5	3915.2	543.7	16.1%
35.8%	3316.8	3825.4	508.6	15.3%
37.0%	3228.8	3512.9	284.1	8.8%
38.3%	3044.4	3414.0	369.6	12.1%
39.5%	3031.4	3372.3	340.8	11.2%
40.7%	2980.1	3371.6	391.5	13.1%
42.0%	2931.5	3315.7	384.2	13.1%
43.2%	2864.9	3063.1	198.2	6.9%
44.4%	2825.7	3060.0	234.3	8.3%
45.7%	2824.1	2920.8	96.7	3.4%
46.9%	2221.7	2614.1	392.4	17.7%
48.1%	2120.6	2606.2	485.5	22.9%
49.4%	2047.3	2491.0	443.7	21.7%
50.6%	2002.2	2221.5	219.3	11.0%
51.9%	1708.1	2122.1	413.9	24.2%
53.1%	1448.0	1606.3	158.2	10.9%
54.3%	1367.8	1494.0	126.3	9.2%
55.6%	1280.5	1467.5	187.0	14.6%
56.8%	1263.0	1451.7	188.7	14.9%
58.0%	1226.4	1358.4	132.1	10.8%
59.3%	1145.8	1333.4	187.6	16.4%
60.5%	1110.0	1295.2	185.2	16.7%
61.7%	1045.5	1234.0	188.5	18.0%
63.0%	932.5	1160.1	227.6	24.4%
64.2%	929.6	1048.8	119.1	12.8%
65.4%	854.6	941.8	87.2	10.2%
66.7%	847.3	940.0	92.8	10.9%
67.9%	813.8	834.3	20.6	2.5%
69.1%	756.0	783.6	27.7	3.7%
70.4%	565.0	646.4	81.3	14.4%
71.6%	555.8	630.9	75.1	13.5%
72.8%	548.3	595.5	47.1	8.6%
74.1%	440.7	499.4	58.6	13.3%
75.3%	437.8	475.6	37.8	8.6%
76.5%	436.7	440.7	4.0	0.9%
77.8%	384.8	379.3	-5.6	-1.4%
79.0%	336.4	343.0	6.6	2.0%
80.2%	330.6	342.2	11.6	3.5%
81.5%	306.8	309.2	2.4	0.8%
82.7%	297.4	300.2	2.9	1.0%
84.0%	296.2	297.1	0.8	0.3%
85.2%	294.5	296.1	1.6	0.5%
86.4%	292.0	295.2	3.2	1.1%
87.7%	287.2	294.4	7.2	2.5%
88.9%	276.0	287.6	11.6	4.2%
90.1%	275.6	276.1	0.5	0.2%
91.4%	266.2	266.1	0.0	0.0%
92.6%	225.1	224.7	-0.4	-0.2%
93.8%	214.0	220.0	6.0	2.8%
95.1%	201.5	205.9	4.4	2.2%
96.3%	196.2	198.7	2.5	1.3%
97.5%	192.4	193.0	0.6	0.3%
98.8%	191.3	191.9	0.6	0.3%
100.0%	190.2	190.2	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	13740.2	13779.6	39.4	0.3%
1.2%	12084.0	11975.9	-108.1	-0.9%
2.5%	11068.0	10972.7	-95.3	-0.9%
3.7%	10514.5	10482.3	-32.2	-0.3%
4.9%	10191.0	10098.6	-92.4	-0.9%
6.2%	10128.8	10085.5	-43.4	-0.4%
7.4%	9834.9	9971.8	136.9	1.4%
8.6%	9573.6	9446.7	-126.9	-1.3%
9.9%	9341.1	9271.3	-69.8	-0.7%
11.1%	9234.5	9165.3	-69.1	-0.7%
12.3%	9038.5	9078.5	39.9	0.4%
13.6%	8619.8	8685.3	65.5	0.8%
14.8%	8530.4	8527.2	-3.1	0.0%
16.0%	8473.0	8508.9	35.9	0.4%
17.3%	8163.9	8054.5	-109.4	-1.3%
18.5%	7821.3	7816.8	-4.5	-0.1%
19.8%	7624.6	7809.1	184.5	2.4%
21.0%	7564.2	7732.2	168.0	2.2%
22.2%	6901.6	7701.6	800.0	11.6%
23.5%	6808.1	7641.5	833.4	12.2%
24.7%	6744.4	7620.9	876.6	13.0%
25.9%	6673.0	7195.6	522.6	7.8%
27.2%	6432.8	7079.7	646.9	10.1%
28.4%	6416.1	6807.7	391.6	6.1%
29.6%	5848.0	6759.0	911.0	15.6%
30.9%	5733.6	6703.0	969.4	16.9%
32.1%	5710.8	6669.7	958.9	16.8%
33.3%	5578.4	5770.2	191.9	3.4%
34.6%	5492.0	5559.8	67.8	1.2%
35.8%	5390.9	5517.4	126.5	2.3%
37.0%	5322.7	5283.3	-39.4	-0.7%
38.3%	5088.7	4919.5	-169.2	-3.3%
39.5%	4800.9	4907.1	106.2	2.2%
40.7%	4767.4	4881.7	114.3	2.4%
42.0%	4571.5	4823.4	251.9	5.5%
43.2%	4544.1	4566.2	22.1	0.5%
44.4%	4543.9	4548.1	4.2	0.1%
45.7%	4525.9	4524.2	-1.8	0.0%
46.9%	4452.2	4474.9	22.7	0.5%
48.1%	4176.0	4213.0	37.0	0.9%
49.4%	4084.7	4158.5	73.8	1.8%
50.6%	3968.7	4011.7	43.0	1.1%
51.9%	3709.3	4007.2	297.8	8.0%
53.1%	3684.6	3974.9	290.3	7.9%
54.3%	3617.7	3675.5	57.8	1.6%
55.6%	3593.3	3557.0	-36.3	-1.0%
56.8%	3585.7	3514.2	-71.5	-2.0%
58.0%	3524.5	3448.8	-75.7	-2.1%
59.3%	3477.1	3397.2	-79.9	-2.3%
60.5%	3370.5	3388.4	17.9	0.5%
61.7%	3366.1	3219.0	-147.2	-4.4%
63.0%	2981.7	3001.1	19.4	0.7%
64.2%	2814.7	2831.7	17.0	0.6%
65.4%	2583.9	2826.9	243.0	9.4%
66.7%	2549.8	2575.1	25.3	1.0%
67.9%	2291.0	2558.9	267.9	11.7%
69.1%	2126.9	2382.7	255.8	12.0%
70.4%	2077.4	2217.6	140.2	6.7%
71.6%	2049.5	2034.9	-14.5	-0.7%
72.8%	1800.5	1805.0	4.5	0.2%
74.1%	1743.4	1767.3	23.9	1.4%
75.3%	1666.2	1665.5	-0.7	0.0%
76.5%	1460.8	1548.4	87.6	6.0%
77.8%	1261.2	1410.3	149.1	11.8%
79.0%	1261.1	1277.3	16.2	1.3%
80.2%	1234.9	1271.7	36.8	3.0%
81.5%	1213.7	1214.4	0.7	0.1%
82.7%	1071.6	1114.7	43.1	4.0%
84.0%	992.9	1071.2	78.3	7.9%
85.2%	776.5	863.1	86.6	11.2%
86.4%	645.4	697.3	51.9	8.0%
87.7%	560.0	606.5	46.5	8.3%
88.9%	509.4	546.6	37.2	7.3%
90.1%	466.7	466.9	0.2	0.0%
91.4%	463.0	463.1	0.1	0.0%
92.6%	387.3	398.8	11.5	3.0%
93.8%	378.0	392.0	14.0	3.7%
95.1%	360.8	361.5	0.7	0.2%
96.3%	350.3	353.9	3.6	1.0%
97.5%	332.5	350.6	18.1	5.4%
98.8%	206.0	207.3	1.3	
100.0%	199.6	199.7	0.1	

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	15857.3	15869.6	12.3	0.1%
1.2%	15060.9	14936.0	-125.0	-0.8%
2.5%	14800.0	14845.8	45.7	0.3%
3.7%	14249.5	14219.1	-30.4	-0.2%
4.9%	12549.8	12515.5	-34.3	-0.3%
6.2%	12147.3	12181.2	33.9	0.3%
7.4%	12028.4	12044.7	16.3	0.1%
8.6%	11979.5	11932.9	-46.6	-0.4%
9.9%	11913.7	11911.2	-2.6	0.0%
11.1%	11398.2	11405.4	7.2	0.1%
12.3%	11256.8	11263.4	6.6	0.1%
13.6%	10863.3	10776.2	-87.1	-0.8%
14.8%	10244.4	10355.3	110.8	1.1%
16.0%	10179.0	10249.4	70.4	0.7%
17.3%	10154.8	10171.2	16.4	0.2%
18.5%	10148.0	10143.6	-4.5	0.0%
19.8%	10133.9	10081.9	-52.1	-0.5%
21.0%	10102.2	9969.1	-133.1	-1.3%
22.2%	9958.5	9911.7	-46.7	-0.5%
23.5%	9954.2	9806.1	-148.1	-1.5%
24.7%	9920.3	9723.5	-196.8	-2.0%
25.9%	9862.0	9659.9	-202.1	-2.0%
27.2%	9825.4	9560.3	-265.1	-2.7%
28.4%	9652.0	9531.9	-120.2	-1.2%
29.6%	9636.4	9501.6	-134.8	-1.4%
30.9%	9632.9	9488.4	-144.4	-1.5%
32.1%	9614.7	9467.8	-147.0	-1.5%
33.3%	9561.2	9429.1	-132.1	-1.4%
34.6%	9548.4	9405.1	-143.4	-1.5%
35.8%	9439.9	9368.3	-71.6	-0.8%
37.0%	9310.1	9297.8	-12.3	-0.1%
38.3%	9191.6	9170.3	-21.3	-0.2%
39.5%	9186.6	9039.8	-146.8	-1.6%
40.7%	8902.2	8926.0	23.8	0.3%
42.0%	8515.3	8754.9	239.6	2.8%
43.2%	8404.6	8303.2	-101.4	-1.2%
44.4%	8171.0	7980.5	-190.5	-2.3%
45.7%	7938.2	7972.9	34.7	0.4%
46.9%	7917.0	7947.7	30.7	0.4%
48.1%	7914.4	7821.5	-92.9	-1.2%
49.4%	7805.2	7789.0	-16.2	-0.2%
50.6%	7758.5	7621.8	-136.7	-1.8%
51.9%	7520.6	7556.1	35.5	0.5%
53.1%	7457.3	7434.6	-22.6	-0.3%
54.3%	7369.3	7408.0	38.7	0.5%
55.6%	7330.5	7339.0	8.5	0.1%
56.8%	7091.4	7322.5	231.1	3.3%
58.0%	6963.8	7107.9	144.1	2.1%
59.3%	6785.0	6919.9	134.9	2.0%
60.5%	6732.5	6832.9	100.4	1.5%
61.7%	6593.0	6655.6	62.6	0.9%
63.0%	6471.2	6607.5	136.3	2.1%
64.2%	5904.5	5730.3	-174.1	-2.9%
65.4%	5740.3	5687.6	-52.7	-0.9%
66.7%	5680.1	5647.7	-32.5	-0.6%
67.9%	5679.0	5642.5	-36.5	-0.6%
69.1%	5570.6	5634.0	63.4	1.1%
70.4%	5557.4	5612.4	55.0	1.0%
71.6%	5488.7	5611.1	122.4	2.2%
72.8%	4927.1	5100.2	173.1	3.5%
74.1%	4284.2	4825.8	541.6	12.6%
75.3%	4218.1	4391.4	173.3	4.1%
76.5%	3977.7	4232.7	255.0	6.4%
77.8%	3858.0	4041.1	183.0	4.7%
79.0%	3827.5	3907.9	80.4	2.1%
80.2%	3572.0	3827.5	255.6	7.2%
81.5%	3543.0	3584.3	41.2	1.2%
82.7%	3468.1	3520.5	52.5	1.5%
84.0%	3370.1	3468.8	98.7	2.9%
85.2%	3329.7	3330.4	0.8	0.0%
86.4%	3076.3	3130.7	54.4	1.8%
87.7%	2651.9	2701.2	49.3	1.9%
88.9%	2624.3	2665.7	41.4	1.6%
90.1%	2564.7	2620.3	55.7	2.2%
91.4%	2282.0	2363.3	81.4	3.6%
92.6%	2064.3	2349.0	284.7	13.8%
93.8%	1995.7	2094.6	99.0	5.0%
95.1%	1851.8	1749.1	-102.7	-5.5%
96.3%	1632.8	1673.6	40.8	2.5%
97.5%	1329.1	1331.2	2.1	0.2%
98.8%	921.4	884.4	-36.9	-4.0%
100.0%	598.4	644.0	45.6	7.6%

Table SQ-24-b

Sacramento River at Port Chicago (Roe Island), Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	17550.3	17618.8	68.5	0.4%
1.2%	17337.0	17234.4	-102.6	-0.6%
2.5%	17261.1	17133.7	-127.4	-0.7%
3.7%	17113.3	16713.9	-399.4	-2.3%
4.9%	13900.0	13919.3	19.3	0.1%
6.2%	13821.7	13814.3	-7.5	-0.1%
7.4%	13729.4	13695.0	-34.3	-0.3%
8.6%	13688.9	13592.5	-96.3	-0.7%
9.9%	13594.8	13468.1	-126.7	-0.9%
11.1%	13572.0	13003.0	-569.1	-4.2%
12.3%	13459.6	12961.2	-498.5	-3.7%
13.6%	13052.5	12904.3	-148.2	-1.1%
14.8%	12987.5	12615.8	-371.7	-2.9%
16.0%	12793.2	12575.4	-217.7	-1.7%
17.3%	12674.4	12438.5	-235.9	-1.9%
18.5%	12608.0	12378.9	-229.1	-1.8%
19.8%	12582.1	12304.8	-277.3	-2.2%
21.0%	12427.5	12296.6	-130.8	-1.1%
22.2%	12388.6	12284.4	-104.2	-0.8%
23.5%	12353.3	12273.6	-79.7	-0.6%
24.7%	12352.2	12156.5	-195.7	-1.6%
25.9%	12293.0	12095.3	-197.7	-1.6%
27.2%	12261.9	12070.3	-191.6	-1.6%
28.4%	12227.0	12033.9	-193.1	-1.6%
29.6%	12119.6	12029.0	-90.6	-0.7%
30.9%	12115.0	11875.9	-239.1	-2.0%
32.1%	12106.9	11733.0	-373.9	-3.1%
33.3%	12089.3	11691.9	-397.4	-3.3%
34.6%	11984.6	11409.0	-575.6	-4.8%
35.8%	11966.1	11377.8	-588.3	-4.9%
37.0%	11922.2	11319.7	-602.6	-5.1%
38.3%	11869.4	11305.2	-564.2	-4.8%
39.5%	11869.3	11191.8	-677.5	-5.7%
40.7%	11722.1	11173.0	-549.1	-4.7%
42.0%	11676.2	11132.2	-544.0	-4.7%
43.2%	11481.5	11056.6	-424.8	-3.7%
44.4%	11386.1	10976.6	-409.5	-3.6%
45.7%	11375.8	10927.9	-447.9	-3.9%
46.9%	11223.7	10897.4	-326.3	-2.9%
48.1%	11041.4	10884.6	-156.8	-1.4%
49.4%	10956.1	10852.0	-104.1	-1.0%
50.6%	10904.5	10798.2	-106.3	-1.0%
51.9%	10864.6	10754.2	-110.3	-1.0%
53.1%	10835.1	10738.2	-96.9	-0.9%
54.3%	10734.4	10680.7	-53.8	-0.5%
55.6%	10652.4	10530.2	-122.1	-1.1%
56.8%	10605.8	10469.7	-136.1	-1.3%
58.0%	10318.2	10326.3	8.1	0.1%
59.3%	10307.1	10319.8	12.7	0.1%
60.5%	10304.8	10317.7	12.9	0.1%
61.7%	10303.5	10279.6	-23.9	-0.2%
63.0%	10296.0	10196.5	-99.6	-1.0%
64.2%	10148.7	10158.9	10.2	0.1%
65.4%	10087.2	10107.1	19.9	0.2%
66.7%	10054.2	9984.4	-69.8	-0.7%
67.9%	9947.1	9923.1	-24.0	-0.2%
69.1%	9868.8	9873.5	4.8	0.0%
70.4%	9735.5	9756.0	20.4	0.2%
71.6%	9691.6	9684.5	-7.1	-0.1%
72.8%	9637.3	9611.9	-25.4	-0.3%
74.1%	9520.8	9591.2	70.5	0.7%
75.3%	9433.4	9500.6	67.2	0.7%
76.5%	9414.0	9391.7	-22.2	-0.2%
77.8%	8891.9	9362.7	470.8	5.3%
79.0%	8879.3	8970.0	90.7	1.0%
80.2%	8865.2	8936.9	71.7	0.8%
81.5%	8809.6	8929.2	119.6	1.4%
82.7%	8708.7	8883.6	174.9	2.0%
84.0%	8692.3	8701.6	9.3	0.1%
85.2%	8660.7	8332.9	-327.8	-3.8%
86.4%	8329.6	8314.7	-14.9	-0.2%
87.7%	8068.3	8067.5	-0.8	0.0%
88.9%	7916.7	7921.6	4.9	0.1%
90.1%	7626.0	7832.7	206.7	2.7%
91.4%	7450.1	7548.1	98.0	1.3%
92.6%	6920.5	6954.6	34.1	0.5%
93.8%	6903.6	6797.4	-106.2	-1.5%
95.1%	6604.4	6485.6	-118.8	-1.8%
96.3%	5988.1	5777.0	-211.1	-3.5%
97.5%	5870.2	5755.4	-114.8	-2.0%
98.8%	5303.4	4654.2	-649.1	-12.2%
100.0%	2,626.1	2,481.6	-144.5	-5.5%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	18159.6	17956.8	-202.8	-1.1%
1.2%	18081.2	17872.8	-208.4	-1.2%
2.5%	18020.6	17869.7	-151.0	-0.8%
3.7%	17774.3	17773.9	-0.4	0.0%
4.9%	16319.1	16295.4	-23.7	-0.1%
6.2%	16182.8	16166.7	-16.2	-0.1%
7.4%	16182.1	16163.9	-18.3	-0.1%
8.6%	16110.0	15863.7	-246.3	-1.5%
9.9%	16096.1	15853.7	-242.4	-1.5%
11.1%	15961.4	15797.6	-163.8	-1.0%
12.3%	15898.6	15113.5	-785.1	-4.9%
13.6%	15800.2	14950.5	-849.7	-5.4%
14.8%	15186.9	14944.9	-241.9	-1.6%
16.0%	15130.0	14917.6	-212.3	-1.4%
17.3%	14936.2	14846.2	-90.0	-0.6%
18.5%	14896.3	14788.1	-108.3	-0.7%
19.8%	14893.8	14741.6	-152.3	-1.0%
21.0%	14884.5	14683.4	-201.1	-1.4%
22.2%	14869.0	14643.5	-225.6	-1.5%
23.5%	14852.8	14565.3	-287.5	-1.9%
24.7%	14795.9	14312.2	-483.7	-3.3%
25.9%	14691.8	14215.3	-476.5	-3.2%
27.2%	14655.3	13974.9	-680.4	-4.6%
28.4%	14580.6	13922.6	-657.9	-4.5%
29.6%	14466.9	13902.3	-564.6	-3.9%
30.9%	14000.9	13847.2	-153.7	-1.1%
32.1%	13921.7	13807.0	-114.7	-0.8%
33.3%	13861.4	13785.5	-75.9	-0.5%
34.6%	13807.3	13779.3	-28.0	-0.2%
35.8%	13655.0	13740.0	85.1	0.6%
37.0%	13311.5	13607.6	296.1	2.2%
38.3%	12840.9	13062.5	221.7	1.7%
39.5%	12720.7	12393.4	-327.3	-2.6%
40.7%	12552.2	12296.8	-255.4	-2.0%
42.0%	12272.1	12170.9	-101.2	-0.8%
43.2%	12120.1	12151.4	31.3	0.3%
44.4%	12118.2	12062.7	-55.5	-0.5%
45.7%	12045.4	12060.2	14.8	0.1%
46.9%	12002.6	11953.2	-49.4	-0.4%
48.1%	11969.7	11848.0	-121.6	-1.0%
49.4%	11929.6	11381.0	-548.6	-4.6%
50.6%	11434.3	11379.7	-54.6	-0.5%
51.9%	11220.3	11100.4	-119.9	-1.1%
53.1%	11055.7	11086.5	30.8	0.3%
54.3%	10942.7	10892.3	-50.4	-0.5%
55.6%	10904.4	10851.7	-52.7	-0.5%
56.8%	10878.9	10849.7	-29.2	-0.3%
58.0%	10771.9	10567.4	-204.5	-1.9%
59.3%	10595.9	10557.6	-38.3	-0.4%
60.5%	10516.6	10405.5	-111.1	-1.1%
61.7%	10397.9	10294.5	-103.4	-1.0%
63.0%	10234.0	10246.6	12.6	0.1%
64.2%	10223.0	10219.3	-3.7	0.0%
65.4%	10095.4	10206.1	110.7	1.1%
66.7%	10091.0	9962.4	-128.6	-1.3%
67.9%	9997.6	9911.8	-85.8	-0.9%
69.1%	9873.1	9904.6	31.5	0.3%
70.4%	9856.5	9893.4	37.0	0.4%
71.6%	9800.1	9740.3	-59.7	-0.6%
72.8%	9722.5	9714.9	-7.5	-0.1%
74.1%	9713.6	9659.0	-54.6	-0.6%
75.3%	9692.8	9630.1	-62.7	-0.6%
76.5%	9670.7	9491.3	-179.4	-1.9%
77.8%	9566.9	9439.5	-127.4	-1.3%
79.0%	9442.3	9405.4	-37.0	-0.4%
80.2%	9413.1	9401.5	-11.6	-0.1%
81.5%	9401.8	9389.0	-12.8	-0.1%
82.7%	9380.9	9360.9	-20.0	-0.2%
84.0%	9373.9	9286.3	-87.6	-0.9%
85.2%	9332.7	9150.4	-182.4	-2.0%
86.4%	9280.3	9096.9	-183.3	-2.0%
87.7%	9128.5	8893.6	-234.9	-2.6%
88.9%	9118.5	8768.3	-350.2	-3.8%
90.1%	8952.8	8624.8	-328.0	-3.7%
91.4%	8578.2	8548.7	-29.5	-0.3%
92.6%	8455.3	8539.1	83.8	1.0%
93.8%	8435.7	8369.5	-66.2	-0.8%
95.1%	8364.5	8228.0	-136.5	-1.6%
96.3%	8231.6	8096.4	-135.2	-1.6%
97.5%	8042.9	8047.3	4.4	0.1%
98.8%	7971.1	7949.4	-21.7	-0.3%
100.0%	6,822.4	6,869.0	46.5	0.7%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	18047.1	18039.9	-7.2	0.0%
1.2%	18014.1	18015.2	1.1	0.0%
2.5%	17920.4	17816.6	-103.8	-0.6%
3.7%	17895.1	17718.3	-176.8	-1.0%
4.9%	17892.8	17568.1	-324.7	-1.8%
6.2%	17859.8	17538.4	-321.4	-1.8%
7.4%	17694.7	17428.1	-266.5	-1.5%
8.6%	17683.5	17342.7	-340.8	-1.9%
9.9%	17631.3	17243.0	-388.3	-2.2%
11.1%	17526.1	17224.8	-301.3	-1.7%
12.3%	17276.0	17107.7	-168.3	-1.0%
13.6%	17272.7	17083.2	-189.5	-1.1%
14.8%	16548.5	16850.5	301.9	1.8%
16.0%	16525.3	16500.8	-24.5	-0.1%
17.3%	16506.6	16370.4	-136.2	-0.8%
18.5%	16480.7	16348.1	-132.6	-0.8%
19.8%	16464.8	16326.3	-138.5	-0.8%
21.0%	16390.6	16287.8	-102.8	-0.6%
22.2%	16383.0	16249.8	-133.3	-0.8%
23.5%	16308.1	16216.3	-91.9	-0.6%
24.7%	16285.0	16180.8	-104.2	-0.6%
25.9%	16250.4	16137.4	-112.9	-0.7%
27.2%	16241.4	15962.8	-278.6	-1.7%
28.4%	16204.7	15869.6	-335.1	-2.1%
29.6%	16096.2	15770.5	-325.8	-2.0%
30.9%	15978.3	15728.3	-250.0	-1.6%
32.1%	15968.4	15531.1	-437.3	-2.7%
33.3%	15962.2	15493.7	-468.5	-2.9%
34.6%	15896.0	15462.3	-433.7	-2.7%
35.8%	15841.0	15248.5	-592.4	-3.7%
37.0%	15630.3	15221.6	-408.7	-2.6%
38.3%	15324.2	15200.2	-124.0	-0.8%
39.5%	15291.5	15149.0	-142.5	-0.9%
40.7%	15225.9	15043.6	-182.3	-1.2%
42.0%	14991.2	14835.7	-155.4	-1.0%
43.2%	14965.1	14795.6	-169.6	-1.1%
44.4%	14933.1	14750.7	-182.4	-1.2%
45.7%	14783.5	14553.2	-230.4	-1.6%
46.9%	14658.2	14511.8	-146.4	-1.0%
48.1%	14518.0	14394.6	-123.4	-0.8%
49.4%	14441.2	14378.1	-63.1	-0.4%
50.6%	14414.2	14329.3	-84.9	-0.6%
51.9%	14401.1	14236.3	-164.8	-1.1%
53.1%	14326.5	14188.4	-138.1	-1.0%
54.3%	14290.6	14183.5	-107.0	-0.7%
55.6%	14195.0	14173.0	-22.0	-0.2%
56.8%	14065.9	13958.9	-107.0	-0.8%
58.0%	14059.1	13879.2	-179.9	-1.3%
59.3%	13814.7	13863.8	49.1	0.4%
60.5%	13770.8	13853.6	82.8	0.6%
61.7%	13752.1	13698.2	-54.0	-0.4%
63.0%	13732.7	13638.1	-94.6	-0.7%
64.2%	13649.2	13609.8	-39.4	-0.3%
65.4%	13588.5	13518.0	-70.5	-0.5%
66.7%	13570.5	13498.0	-72.5	-0.5%
67.9%	13566.2	13447.4	-118.8	-0.9%
69.1%	13440.7	13428.9	-11.8	-0.1%
70.4%	13392.0	13402.7	10.7	0.1%
71.6%	13356.9	13383.6	26.7	0.2%
72.8%	13326.8	13312.2	-14.6	-0.1%
74.1%	13323.5	13281.3	-42.2	-0.3%
75.3%	13239.3	13271.5	32.2	0.2%
76.5%	13186.5	13183.9	-2.5	0.0%
77.8%	13176.9	13169.5	-7.3	-0.1%
79.0%	13121.3	13152.8	31.6	0.2%
80.2%	13096.2	13119.7	23.6	0.2%
81.5%	13059.5	13118.9	59.4	0.5%
82.7%	13045.5	13113.7	68.2	0.5%
84.0%	13001.1	13074.8	73.7	0.6%
85.2%	12956.3	12796.4	-159.9	-1.2%
86.4%	12942.0	12773.1	-168.9	-1.3%
87.7%	12715.0	12595.2	-119.8	-0.9%
88.9%	12682.5	12584.6	-97.9	-0.8%
90.1%	12648.1	12547.4	-100.7	-0.8%
91.4%	12620.7	12544.5	-76.2	-0.6%
92.6%	12585.7	12530.6	-55.2	-0.4%
93.8%	12570.9	12346.7	-224.2	-1.8%
95.1%	12541.3	12286.5	-254.9	-2.0%
96.3%	12344.5	12238.6	-105.9	-0.9%
97.5%	12272.1	12088.4	-183.7	-1.5%
98.8%	12261.1	11824.8	-436.3	-3.6%
100.0%	11,965.8	11,711.3	-254.6	-2.1%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	19123.7	19019.5	-104.2	-0.5%
1.2%	19098.6	18911.3	-187.3	-1.0%
2.5%	19073.7	18766.8	-306.9	-1.6%
3.7%	18991.9	18715.6	-276.3	-1.5%
4.9%	18989.6	18647.5	-342.2	-1.8%
6.2%	18919.5	18415.0	-504.6	-2.7%
7.4%	18875.3	18411.6	-463.7	-2.5%
8.6%	18602.1	18407.0	-195.1	-1.0%
9.9%	18528.8	18288.1	-240.6	-1.3%
11.1%	18492.4	18281.2	-211.2	-1.1%
12.3%	18391.2	18182.4	-208.8	-1.1%
13.6%	18389.5	18039.4	-350.2	-1.9%
14.8%	18265.4	17985.8	-279.5	-1.5%
16.0%	18255.5	17979.0	-276.5	-1.5%
17.3%	18226.0	17959.1	-266.9	-1.5%
18.5%	18214.0	17906.3	-307.7	-1.7%
19.8%	18203.5	17857.8	-345.6	-1.9%
21.0%	18176.7	17844.9	-331.8	-1.8%
22.2%	18138.4	17844.6	-293.9	-1.6%
23.5%	18088.2	17820.2	-268.1	-1.5%
24.7%	18082.3	17757.5	-324.8	-1.8%
25.9%	18029.2	17730.5	-298.6	-1.7%
27.2%	18018.5	17706.2	-312.3	-1.7%
28.4%	18009.3	17679.3	-330.1	-1.8%
29.6%	18002.1	17502.6	-499.5	-2.8%
30.9%	17995.4	17499.4	-496.1	-2.8%
32.1%	17947.1	17450.3	-496.9	-2.8%
33.3%	17916.7	17421.4	-495.4	-2.8%
34.6%	17902.1	17411.1	-491.0	-2.7%
35.8%	17844.9	17406.8	-438.1	-2.5%
37.0%	17841.3	17262.4	-578.9	-3.2%
38.3%	17821.6	17243.8	-577.7	-3.2%
39.5%	17804.9	17222.1	-582.8	-3.3%
40.7%	17793.4	17197.7	-595.7	-3.3%
42.0%	17791.6	17126.3	-665.3	-3.7%
43.2%	17785.7	17124.4	-661.3	-3.7%
44.4%	17767.1	17067.1	-700.0	-3.9%
45.7%	17740.2	16965.1	-775.1	-4.4%
46.9%	17725.2	16964.5	-760.7	-4.3%
48.1%	17410.3	16907.4	-502.9	-2.9%
49.4%	17320.8	16906.1	-414.8	-2.4%
50.6%	17284.4	16805.1	-479.3	-2.8%
51.9%	17267.8	16715.2	-552.6	-3.2%
53.1%	16983.8	16251.9	-731.9	-4.3%
54.3%	15888.1	15754.1	-134.0	-0.8%
55.6%	12183.3	12130.0	-53.2	-0.4%
56.8%	11840.8	11814.7	-26.1	-0.2%
58.0%	11833.6	11814.2	-19.5	-0.2%
59.3%	11823.4	11707.0	-116.5	-1.0%
60.5%	11782.6	11606.7	-175.9	-1.5%
61.7%	11771.0	11602.4	-168.6	-1.4%
63.0%	11690.6	11584.2	-106.4	-0.9%
64.2%	11644.2	11573.5	-70.8	-0.6%
65.4%	11592.0	11507.3	-84.7	-0.7%
66.7%	11492.1	11454.3	-37.8	-0.3%
67.9%	11422.5	11192.5	-230.0	-2.0%
69.1%	8208.1	8216.8	8.7	0.1%
70.4%	8178.3	8138.9	-39.4	-0.5%
71.6%	8130.5	8124.6	-5.8	-0.1%
72.8%	8108.6	8030.7	-77.9	-1.0%
74.1%	8086.2	8019.0	-67.2	-0.8%
75.3%	8030.9	7984.2	-46.7	-0.6%
76.5%	7966.5	7982.4	15.8	0.2%
77.8%	7928.6	7902.4	-26.2	-0.3%
79.0%	7911.2	7883.2	-28.0	-0.4%
80.2%	7886.5	7879.6	-6.9	-0.1%
81.5%	7882.6	7797.6	-85.1	-1.1%
82.7%	7860.8	7791.7	-69.2	-0.9%
84.0%	7845.9	7756.4	-89.4	-1.1%
85.2%	7805.8	7749.0	-56.8	-0.7%
86.4%	7793.9	7739.8	-54.1	-0.7%
87.7%	7792.9	7722.3	-70.5	-0.9%
88.9%	7779.6	7704.3	-75.3	-1.0%
90.1%	7777.1	7668.5	-108.5	-1.4%
91.4%	7774.6	7663.3	-111.3	-1.4%
92.6%	7748.3	7636.6	-111.7	-1.4%
93.8%	7729.5	7630.6	-98.8	-1.3%
95.1%	7587.2	7475.1	-112.1	-1.5%
96.3%	7558.0	7429.9	-128.2	-1.7%
97.5%	7557.9	7425.0	-132.9	-1.8%
98.8%	7489.5	7342.7	-146.8	-2.0%
100.0%	7,394.9	7,247.1	-147.8	-2.0%

Figure SQ-25-b
San Joaquin River at Jersey Point, Monthly EC
Probability of Exceedance

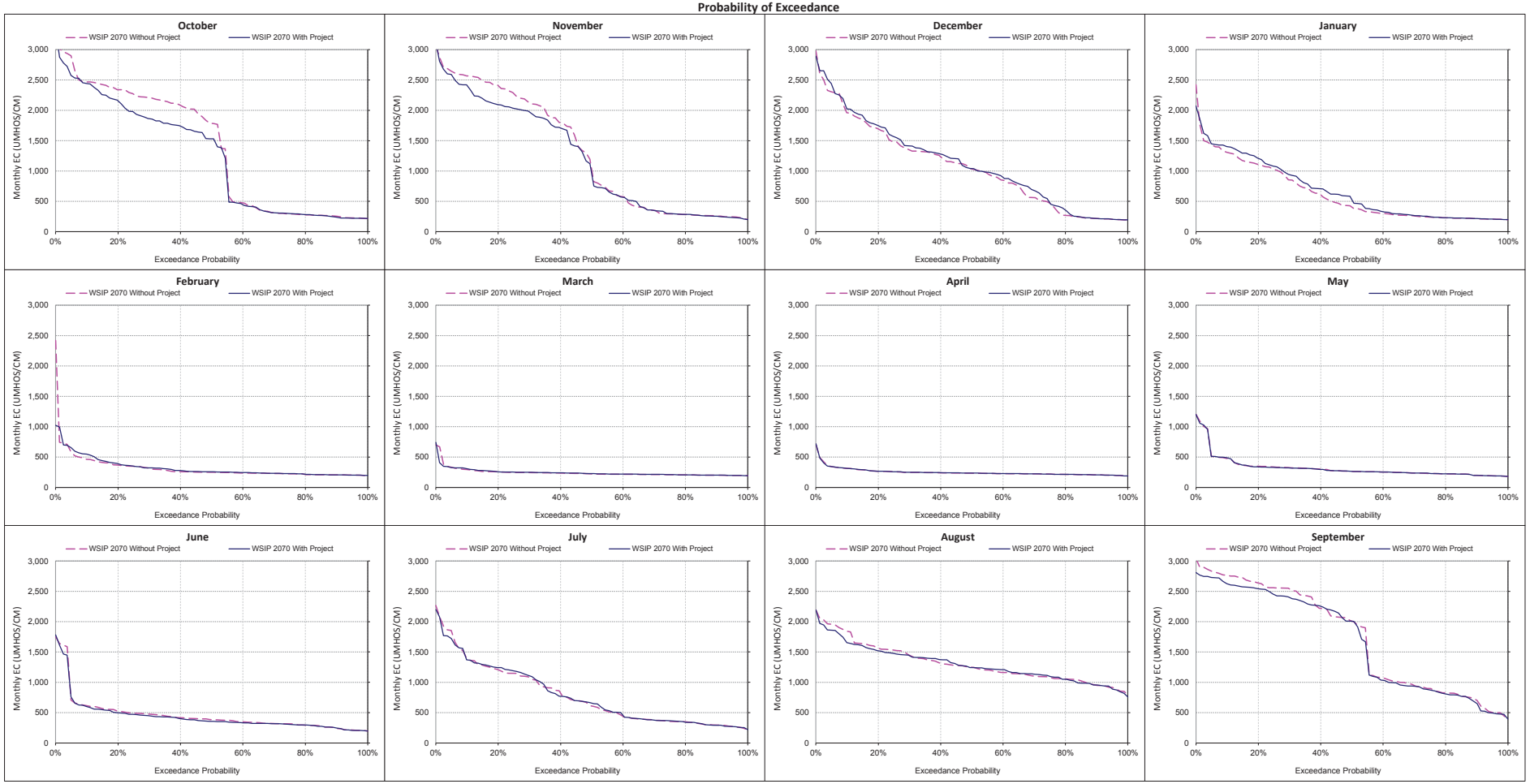


Table SQ-25-b

San Joaquin River at Jersey Point, Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	3340.7	3325.1	-15.6	-0.5%
1.2%	3013.8	2876.4	-137.4	-4.6%
2.5%	2966.6	2778.8	-187.7	-6.3%
3.7%	2936.0	2726.2	-209.8	-7.1%
4.9%	2898.7	2573.1	-325.6	-11.2%
6.2%	2651.8	2532.8	-119.0	-4.5%
7.4%	2502.7	2528.2	25.5	1.0%
8.6%	2473.1	2454.5	-18.6	-0.8%
9.9%	2468.8	2440.5	-28.3	-1.1%
11.1%	2467.9	2434.7	-33.2	-1.3%
12.3%	2457.5	2376.8	-80.7	-3.3%
13.6%	2442.9	2330.7	-112.1	-4.6%
14.8%	2426.4	2256.5	-169.9	-7.0%
16.0%	2412.9	2247.9	-165.0	-6.8%
17.3%	2378.9	2202.4	-176.5	-7.4%
18.5%	2373.0	2186.0	-187.0	-7.9%
19.8%	2339.6	2169.1	-170.4	-7.3%
21.0%	2339.3	2108.4	-230.9	-9.9%
22.2%	2335.8	2035.6	-300.2	-12.9%
23.5%	2293.6	1985.8	-307.8	-13.4%
24.7%	2275.0	1981.3	-293.7	-12.9%
25.9%	2235.9	1931.6	-304.2	-13.6%
27.2%	2222.0	1913.4	-308.6	-13.9%
28.4%	2219.0	1887.9	-331.0	-14.9%
29.6%	2211.6	1862.4	-349.2	-15.8%
30.9%	2200.8	1857.1	-343.7	-15.6%
32.1%	2181.8	1827.3	-354.4	-16.2%
33.3%	2169.9	1825.5	-344.4	-15.9%
34.6%	2157.1	1787.0	-370.1	-17.2%
35.8%	2142.7	1786.5	-356.1	-16.6%
37.0%	2116.3	1764.7	-351.6	-16.6%
38.3%	2116.3	1755.2	-361.1	-17.1%
39.5%	2096.0	1749.7	-346.3	-16.5%
40.7%	2061.5	1721.0	-340.6	-16.5%
42.0%	2035.1	1683.8	-351.3	-17.3%
43.2%	2021.1	1679.0	-342.1	-16.9%
44.4%	2018.6	1653.0	-365.7	-18.1%
45.7%	1940.9	1640.8	-300.1	-15.5%
46.9%	1897.3	1631.3	-265.9	-14.0%
48.1%	1833.3	1535.8	-297.5	-16.2%
49.4%	1788.4	1532.5	-256.0	-14.3%
50.6%	1781.0	1528.8	-252.1	-14.2%
51.9%	1769.3	1398.7	-370.6	-20.9%
53.1%	1370.0	1385.0	15.1	1.1%
54.3%	1366.7	1207.4	-159.3	-11.7%
55.6%	576.0	487.4	-88.6	-15.4%
56.8%	490.6	486.1	-4.5	-0.9%
58.0%	487.7	471.9	-15.8	-3.2%
59.3%	478.8	463.5	-15.3	-3.2%
60.5%	468.7	432.4	-36.3	-7.7%
61.7%	429.9	417.7	-12.2	-2.8%
63.0%	428.8	411.8	-17.0	-4.0%
64.2%	394.9	406.5	11.7	3.0%
65.4%	353.9	361.6	7.6	2.2%
66.7%	340.9	340.6	-0.3	-0.1%
67.9%	335.3	328.6	-6.7	-2.0%
69.1%	315.6	315.6	0.0	0.0%
70.4%	313.9	312.0	-1.9	-0.6%
71.6%	303.5	307.4	3.9	1.3%
72.8%	302.3	304.3	2.1	0.7%
74.1%	293.9	302.7	8.7	3.0%
75.3%	291.5	296.2	4.7	1.6%
76.5%	291.4	294.2	2.8	1.0%
77.8%	283.7	294.0	10.3	3.6%
79.0%	283.4	286.5	3.1	1.1%
80.2%	277.2	279.8	2.6	0.9%
81.5%	276.6	278.8	2.2	0.8%
82.7%	272.3	272.2	-0.1	0.0%
84.0%	270.0	269.2	-0.9	-0.3%
85.2%	268.1	268.0	-0.1	0.0%
86.4%	266.3	261.9	-4.4	-1.7%
87.7%	265.2	253.8	-11.4	-4.3%
88.9%	259.8	247.5	-12.4	-4.8%
90.1%	254.5	238.4	-16.0	-6.3%
91.4%	244.5	226.4	-18.1	-7.4%
92.6%	229.8	226.2	-3.6	-1.6%
93.8%	228.6	224.9	-3.8	-1.6%
95.1%	226.3	222.6	-3.7	-1.7%
96.3%	225.3	222.4	-2.8	-1.3%
97.5%	224.2	222.2	-2.0	-0.9%
98.8%	216.5	220.8	4.4	2.0%
100.0%	215.8	217.1	1.3	0.6%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	3064.9	3112.0	47.1	1.5%
1.2%	2871.2	2807.2	-64.1	-2.2%
2.5%	2706.1	2679.3	-26.8	-1.0%
3.7%	2687.7	2598.5	-89.2	-3.3%
4.9%	2645.7	2590.9	-54.8	-2.1%
6.2%	2612.1	2491.7	-120.4	-4.6%
7.4%	2593.4	2431.0	-162.4	-6.3%
8.6%	2587.6	2421.6	-166.0	-6.4%
9.9%	2567.8	2418.7	-149.1	-5.8%
11.1%	2566.4	2334.3	-232.2	-9.0%
12.3%	2552.0	2236.6	-315.4	-12.4%
13.6%	2540.8	2234.1	-306.6	-12.1%
14.8%	2493.1	2198.7	-294.5	-11.8%
16.0%	2462.6	2155.1	-307.5	-12.5%
17.3%	2462.2	2136.0	-326.2	-13.2%
18.5%	2421.1	2114.4	-306.7	-12.7%
19.8%	2417.8	2095.4	-322.4	-13.3%
21.0%	2358.6	2088.9	-269.7	-11.4%
22.2%	2352.3	2061.7	-290.6	-12.4%
23.5%	2320.8	2058.9	-261.8	-11.3%
24.7%	2292.3	2035.8	-256.5	-11.2%
25.9%	2226.8	2020.8	-206.0	-9.3%
27.2%	2200.2	2012.0	-188.3	-8.6%
28.4%	2188.6	1997.9	-190.7	-8.7%
29.6%	2138.4	1988.9	-149.5	-7.0%
30.9%	2105.5	1939.6	-165.9	-7.9%
32.1%	2099.4	1893.5	-205.8	-9.8%
33.3%	2074.5	1886.4	-188.2	-9.1%
34.6%	2051.8	1867.0	-184.8	-9.0%
35.8%	1920.6	1838.5	-82.2	-4.3%
37.0%	1877.6	1760.3	-117.3	-6.2%
38.3%	1876.7	1724.7	-152.0	-8.1%
39.5%	1800.9	1720.2	-80.8	-4.5%
40.7%	1789.9	1694.8	-95.1	-5.3%
42.0%	1738.4	1670.7	-67.8	-3.9%
43.2%	1725.5	1442.6	-282.9	-16.4%
44.4%	1591.3	1416.5	-174.8	-11.0%
45.7%	1398.0	1401.3	3.3	0.2%
46.9%	1336.9	1316.4	-20.5	-1.5%
48.1%	1298.5	1166.6	-131.8	-10.2%
49.4%	1194.6	1121.5	-73.1	-6.1%
50.6%	825.2	750.7	-74.5	-9.0%
51.9%	801.2	728.1	-73.1	-9.1%
53.1%	763.2	727.0	-36.2	-4.7%
54.3%	729.3	714.7	-14.6	-2.0%
55.6%	671.1	653.0	-18.1	-2.7%
56.8%	664.3	616.5	-47.8	-7.2%
58.0%	597.3	605.5	8.2	1.4%
59.3%	580.7	570.0	-10.7	-1.8%
60.5%	570.7	564.9	-5.8	-1.0%
61.7%	472.1	516.5	44.3	9.4%
63.0%	435.1	511.0	75.9	17.5%
64.2%	411.8	500.6	88.8	21.6%
65.4%	403.2	412.2	8.9	2.2%
66.7%	400.7	394.6	-6.0	-1.5%
67.9%	355.9	356.9	1.0	0.3%
69.1%	353.6	356.1	2.5	0.7%
70.4%	348.2	346.2	-2.0	-0.6%
71.6%	305.6	340.3	34.7	11.4%
72.8%	297.5	337.5	40.0	13.4%
74.1%	295.2	299.3	4.1	1.4%
75.3%	292.4	296.1	3.7	1.3%
76.5%	292.1	295.1	3.0	1.0%
77.8%	286.9	287.8	0.8	0.3%
79.0%	283.5	286.6	3.1	1.1%
80.2%	282.3	284.3	2.0	0.7%
81.5%	276.3	283.7	7.5	2.7%
82.7%	273.6	275.6	2.0	0.7%
84.0%	270.4	272.2	1.7	0.6%
85.2%	267.0	262.8	-4.2	-1.6%
86.4%	266.3	260.5	-5.7	-2.1%
87.7%	264.5	257.9	-6.6	-2.5%
88.9%	264.4	255.1	-9.3	-3.5%
90.1%	256.6	253.5	-3.1	-1.2%
91.4%	256.5	245.2	-11.3	-4.4%
92.6%	244.7	242.2	-2.6	-1.0%
93.8%	244.1	236.5	-7.6	-3.1%
95.1%	244.0	234.0	-10.0	-4.1%
96.3%	240.5	228.4	-12.1	-5.0%
97.5%	231.1	226.9	-4.1	-1.8%
98.8%	213.0	208.8	-4.2	-2.0%
100.0%	199.9	200.3	0.4	0.2%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2979.9	2892.4	-87.5	-2.9%
1.2%	2605.4	2654.0	48.6	1.9%
2.5%	2506.0	2653.8	147.7	5.9%
3.7%	2328.9	2513.7	184.8	7.9%
4.9%	2305.4	2444.0	138.6	6.0%
6.2%	2289.2	2277.0	-12.2	-0.5%
7.4%	2286.1	2252.8	-33.3	-1.5%
8.6%	2106.6	2195.5	88.9	4.2%
9.9%	1960.0	2022.5	62.5	3.2%
11.1%	1951.8	2018.9	67.1	3.4%
12.3%	1905.1	1967.4	62.2	3.3%
13.6%	1874.1	1938.3	64.3	3.4%
14.8%	1851.2	1921.4	70.3	3.8%
16.0%	1798.8	1831.3	32.5	1.8%
17.3%	1735.0	1795.1	60.1	3.5%
18.5%	1724.0	1778.3	54.3	3.1%
19.8%	1699.1	1752.7	53.6	3.2%
21.0%	1665.4	1724.3	58.8	3.5%
22.2%	1645.3	1710.5	65.1	4.0%
23.5%	1515.4	1604.0	88.6	5.8%
24.7%	1478.6	1573.8	95.3	6.4%
25.9%	1476.8	1546.6	69.9	4.7%
27.2%	1415.9	1513.2	97.4	6.9%
28.4%	1381.7	1419.3	37.5	2.7%
29.6%	1356.1	1413.5	57.4	4.2%
30.9%	1327.6	1409.4	81.8	6.2%
32.1%	1327.2	1380.6	53.4	4.0%
33.3%	1323.0	1378.1	55.1	4.2%
34.6%	1318.4	1350.6	32.3	2.4%
35.8%	1313.8	1318.3	4.6	0.3%
37.0%	1301.0	1312.3	11.3	0.9%
38.3%	1272.5	1300.4	27.9	2.2%
39.5%	1257.0	1287.2	30.2	2.4%
40.7%	1199.6	1270.9	71.3	5.9%
42.0%	1156.2	1239.7	83.5	7.2%
43.2%	1154.3	1209.8	55.5	4.8%
44.4%	1137.0	1205.7	68.7	6.0%
45.7%	1122.6	1199.4	76.7	6.8%
46.9%	1120.5	1095.7	-24.8	-2.2%
48.1%	1097.2	1058.2	-39.0	-3.6%
49.4%	1038.2	1041.0	2.8	0.3%
50.6%	1024.9	1038.7	13.8	1.3%
51.9%	1010.7	1001.6	-9.1	-0.9%
53.1%	996.9	997.3	0.4	0.0%
54.3%	981.7	983.3	1.6	0.2%
55.6%	939.7	978.6	38.9	4.1%
56.8%	908.1	963.1	55.0	6.1%
58.0%	897.1	944.1	47.1	5.2%
59.3%	854.3	922.3	68.0	8.0%
60.5%	840.8	876.0	35.2	4.2%
61.7%	801.7	874.4	72.7	9.1%
63.0%	801.5	836.3	34.8	4.3%
64.2%	770.1	807.2	37.2	4.8%
65.4%	725.2	780.1	54.9	7.6%
66.7%	637.2	760.9	123.8	19.4%
67.9%	565.7	747.8	182.1	32.2%
69.1%	563.2	697.5	134.3	23.8%
70.4%	559.7	668.1	108.3	19.4%
71.6%	515.2	635.4	120.2	23.3%
72.8%	507.9	573.5	65.7	12.9%
74.1%	494.7	544.1	49.4	10.0%
75.3%	460.7	451.9	-8.8	-1.9%
76.5%	389.0	428.4	39.4	10.1%
77.8%	314.2	419.2	105.0	33.4%
79.0%	272.8	393.7	121.0	44.3%
80.2%	266.9	343.6	76.7	28.7%
81.5%	264.1	285.4	21.4	8.1%
82.7%	244.0	252.8	8.8	3.6%
84.0%	242.8	251.9	9.1	3.7%
85.2%	238.8	236.2	-2.7	-1.1%
86.4%	224.6	229.3	4.7	2.1%
87.7%	222.7	227.1	4.4	2.0%
88.9%	217.7	222.3	4.6	2.1%
90.1%	216.1	216.5	0.4	0.2%
91.4%	213.8	214.1	0.3	0.1%
92.6%	211.0	213.0	2.0	1.0%
93.8%	209.9	211.7	1.8	0.9%
95.1%	203.7	203.7	0.0	0.0%
96.3%	201.0	198.0	-3.0	-1.5%
97.5%	197.9	197.7	-0.2	-0.1%
98.8%	194.6	195.5	0.8	0.4%
100.0%	193.7	194.8	1.1	0.6%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2421.9	2073.1	-348.8	-14.4%
1.2%	1772.6	1857.5	84.9	4.8%
2.5%	1500.0	1619.9	119.9	8.0%
3.7%	1475.0	1580.8	105.8	7.2%
4.9%	1432.7	1448.0	15.3	1.1%
6.2%	1399.4	1436.1	36.7	2.6%
7.4%	1393.8	1429.7	35.9	2.6%
8.6%	1331.6	1427.9	96.3	7.2%
9.9%	1307.7	1401.0	93.3	7.1%
11.1%	1292.3	1391.7	99.4	7.7%
12.3%	1278.1	1369.5	91.4	7.2%
13.6%	1215.6	1332.8	117.2	9.6%
14.8%	1173.5	1296.8	123.3	10.5%
16.0%	1153.8	1293.0	139.2	12.1%
17.3%	1142.6	1265.7	123.2	10.8%
18.5%	1130.7	1251.5	120.9	10.7%
19.8%	1109.9	1215.3	105.4	9.5%
21.0%	1093.1	1188.8	95.6	8.7%
22.2%	1070.7	1125.7	55.0	5.1%
23.5%	1066.4	1103.1	36.6	3.4%
24.7%	1030.6	1079.9	49.3	4.8%
25.9%	1012.3	1068.4	56.2	5.5%
27.2%	982.2	1028.0	45.8	4.7%
28.4%	929.7	980.8	51.1	5.5%
29.6%	854.7	945.6	90.9	10.6%
30.9%	849.5	925.3	75.8	8.9%
32.1%	801.3	913.8	112.5	14.0%
33.3%	750.2	851.8	101.6	13.5%
34.6%	724.3	806.4	82.1	11.3%
35.8%	719.1	786.3	67.2	9.3%
37.0%	661.8	717.1	55.3	8.4%
38.3%	635.5	713.8	78.3	12.3%
39.5%	631.8	709.2	77.5	12.3%
40.7%	571.6	705.7	134.1	23.5%
42.0%	535.2	661.4	126.2	23.6%
43.2%	505.7	618.5	112.9	22.3%
44.4%	483.5	616.9	133.4	27.6%
45.7%	466.6	614.3	147.7	31.6%
46.9%	433.2	594.8	161.6	37.3%
48.1%	432.0	586.7	154.7	35.8%
49.4%	426.7	585.8	159.1	37.3%
50.6%	380.9	467.0	86.1	22.6%
51.9%	379.3	464.4	85.1	22.4%
53.1%	361.2	457.4	96.2	26.6%
54.3%	330.1	384.6	54.4	16.5%
55.6%	328.8	377.1	48.3	14.7%
56.8%	320.0	360.6	40.6	12.7%
58.0%	311.0	358.9	47.9	15.4%
59.3%	302.0	337.9	35.9	11.9%
60.5%	297.5	323.2	25.6	8.6%
61.7%	293.5	318.4	25.0	8.5%
63.0%	281.3	298.8	17.4	6.2%
64.2%	274.0	293.6	19.6	7.2%
65.4%	271.3	292.6	21.4	7.9%
66.7%	270.6	286.0	15.4	5.7%
67.9%	265.1	279.0	13.9	5.3%
69.1%	263.7	271.7	8.0	3.0%
70.4%	257.3	262.2	5.0	1.9%
71.6%	249.8	261.6	11.8	4.7%
72.8%	243.7	255.4	11.6	4.8%
74.1%	243.1	253.2	10.1	4.1%
75.3%	239.6	242.8	3.3	1.4%
76.5%	236.8	239.5	2.8	1.2%
77.8%	236.4	237.0	0.7	0.3%
79.0%	229.1	230.6	1.5	0.7%
80.2%	228.7	228.8	0.0	0.0%
81.5%	227.5	228.0	0.6	0.2%
82.7%	223.4	224.2	0.8	0.4%
84.0%	223.4	223.7	0.3	0.1%
85.2%	222.5	223.1	0.5	0.2%
86.4%	221.5	221.2	-0.3	-0.2%
87.7%	221.1	218.6	-2.6	-1.2%
88.9%	216.4	216.9	0.5	0.2%
90.1%	216.4	216.9	0.5	0.2%
91.4%	210.5	211.8	1.3	0.6%
92.6%	208.5	209.9	1.4	0.7%
93.8%	206.5	209.5	2.9	1.4%
95.1%	206.0	207.1	1.0	0.5%
96.3%	204.6	204.2	-0.4	-0.2%
97.5%	204.4	202.9	-1.6	-0.8%
98.8%	199.0	199.1	0.1	0.1%
100.0%	197.2	197.9	0.7	0.3%

Table SQ-25-b

San Joaquin River at Jersey Point, Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2420.0	1025.0	-1395.0	-57.6%
1.2%	742.6	994.0	251.5	33.9%
2.5%	727.3	698.3	-28.9	-4.0%
3.7%	707.8	693.8	-14.0	-2.0%
4.9%	581.7	654.8	73.1	12.6%
6.2%	518.9	593.8	74.9	14.4%
7.4%	499.8	570.7	71.0	14.2%
8.6%	487.8	551.9	64.1	13.1%
9.9%	462.4	547.6	85.1	18.4%
11.1%	459.1	529.1	70.0	15.3%
12.3%	440.3	506.2	65.9	15.0%
13.6%	421.4	459.2	37.8	9.0%
14.8%	411.7	440.7	29.0	7.0%
16.0%	404.4	426.5	22.0	5.4%
17.3%	404.3	410.4	6.1	1.5%
18.5%	371.1	402.4	31.3	8.4%
19.8%	367.5	392.3	24.8	6.8%
21.0%	361.5	371.0	9.5	2.6%
22.2%	354.6	365.3	10.7	3.0%
23.5%	349.5	359.0	9.4	2.7%
24.7%	348.9	353.3	4.3	1.2%
25.9%	343.5	341.1	-2.4	-0.7%
27.2%	337.8	336.8	-1.0	-0.3%
28.4%	329.6	323.3	-6.3	-1.9%
29.6%	319.3	322.0	2.8	0.9%
30.9%	300.2	319.6	19.4	6.5%
32.1%	296.6	318.0	21.5	7.2%
33.3%	295.4	315.0	19.6	6.6%
34.6%	288.9	309.1	20.1	7.0%
35.8%	278.7	304.9	26.2	9.4%
37.0%	264.8	297.3	32.5	12.3%
38.3%	258.9	279.3	20.5	7.9%
39.5%	258.8	276.8	18.0	7.0%
40.7%	257.9	273.7	15.9	6.2%
42.0%	256.6	267.3	10.7	4.2%
43.2%	256.6	261.3	4.7	1.8%
44.4%	253.1	260.3	7.2	2.9%
45.7%	251.5	259.5	8.1	3.2%
46.9%	251.0	258.7	7.7	3.1%
48.1%	250.7	256.7	6.0	2.4%
49.4%	249.1	256.4	7.3	2.9%
50.6%	248.6	255.8	7.2	2.9%
51.9%	245.9	253.4	7.5	3.1%
53.1%	245.8	252.6	6.8	2.8%
54.3%	244.9	252.1	7.2	2.9%
55.6%	244.9	251.6	6.8	2.8%
56.8%	240.9	250.3	9.4	3.9%
58.0%	238.9	247.0	8.1	3.4%
59.3%	236.9	245.4	8.4	3.6%
60.5%	236.9	243.2	6.3	2.7%
61.7%	235.2	242.5	7.4	3.1%
63.0%	235.1	241.4	6.3	2.7%
64.2%	232.8	237.9	5.0	2.2%
65.4%	232.8	237.6	4.8	2.1%
66.7%	232.5	233.6	1.1	0.5%
67.9%	230.5	232.8	2.4	1.0%
69.1%	229.8	232.6	2.8	1.2%
70.4%	228.8	231.4	2.7	1.2%
71.6%	227.4	231.3	3.9	1.7%
72.8%	225.9	229.0	3.2	1.4%
74.1%	225.1	228.9	3.8	1.7%
75.3%	223.9	228.0	4.2	1.9%
76.5%	223.1	226.9	3.8	1.7%
77.8%	221.9	224.6	2.7	1.2%
79.0%	220.8	224.1	3.2	1.5%
80.2%	210.6	215.6	5.0	2.4%
81.5%	210.4	214.3	3.9	1.9%
82.7%	210.0	211.7	1.7	0.8%
84.0%	209.2	210.4	1.2	0.6%
85.2%	208.7	209.8	1.1	0.5%
86.4%	208.7	208.8	0.1	0.0%
87.7%	206.7	207.8	1.0	0.5%
88.9%	205.7	206.5	0.9	0.4%
90.1%	205.4	205.4	0.0	0.0%
91.4%	204.5	205.4	0.9	0.4%
92.6%	203.9	204.2	0.4	0.2%
93.8%	203.1	203.6	0.5	0.3%
95.1%	203.1	203.1	0.0	0.0%
96.3%	202.7	202.6	-0.1	0.0%
97.5%	200.0	200.1	0.1	0.1%
98.8%	197.7	198.6	0.9	0.4%
100.0%	195.2	195.3	0.1	0.0%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	699.8	738.5	38.8	5.5%
1.2%	666.5	406.8	-259.7	-39.0%
2.5%	380.2	348.4	-31.9	-8.4%
3.7%	344.7	340.8	-3.9	-1.1%
4.9%	331.7	323.7	-7.9	-2.4%
6.2%	315.4	322.2	6.8	2.1%
7.4%	309.8	322.0	12.3	4.0%
8.6%	297.4	320.0	22.6	7.6%
9.9%	293.9	306.9	13.0	4.4%
11.1%	285.9	295.3	9.4	3.3%
12.3%	276.1	289.3	13.1	4.8%
13.6%	274.3	277.1	2.8	1.0%
14.8%	262.5	276.5	13.9	5.3%
16.0%	262.2	273.0	10.8	4.1%
17.3%	259.6	268.7	9.1	3.5%
18.5%	258.8	265.5	6.7	2.6%
19.8%	256.6	255.1	-1.5	-0.6%
21.0%	253.4	254.7	1.3	0.5%
22.2%	250.4	253.3	2.9	1.2%
23.5%	247.4	251.2	3.7	1.5%
24.7%	247.0	250.7	3.8	1.5%
25.9%	244.6	248.3	3.6	1.5%
27.2%	244.6	248.1	3.5	1.4%
28.4%	244.5	247.6	3.1	1.3%
29.6%	244.3	247.3	3.0	1.2%
30.9%	242.9	247.0	4.1	1.7%
32.1%	242.3	245.5	3.2	1.3%
33.3%	241.7	244.4	2.7	1.1%
34.6%	240.0	243.2	3.2	1.3%
35.8%	239.8	242.3	2.4	1.0%
37.0%	237.1	241.4	4.3	1.8%
38.3%	237.0	241.1	4.1	1.7%
39.5%	235.4	240.9	5.6	2.4%
40.7%	235.1	238.8	3.7	1.6%
42.0%	231.9	237.3	5.4	2.3%
43.2%	231.7	237.0	5.3	2.3%
44.4%	230.3	236.5	6.2	2.7%
45.7%	228.8	234.7	5.8	2.5%
46.9%	228.3	230.7	2.4	1.0%
48.1%	225.6	229.1	3.5	1.6%
49.4%	222.7	227.3	4.6	2.1%
50.6%	220.1	226.0	5.9	2.7%
51.9%	218.8	223.5	4.7	2.2%
53.1%	218.3	221.6	3.3	1.5%
54.3%	216.9	221.3	4.4	2.0%
55.6%	216.2	220.7	4.5	2.1%
56.8%	216.0	220.4	4.4	2.0%
58.0%	215.9	219.0	3.2	1.5%
59.3%	215.7	219.0	3.3	1.5%
60.5%	215.4	218.7	3.4	1.6%
61.7%	214.9	217.0	2.1	1.0%
63.0%	214.7	217.0	2.3	1.1%
64.2%	214.6	216.6	2.0	1.0%
65.4%	214.2	214.9	0.8	0.4%
66.7%	212.6	214.7	2.2	1.0%
67.9%	212.5	214.6	2.1	1.0%
69.1%	212.5	213.0	0.5	0.2%
70.4%	212.1	212.8	0.7	0.3%
71.6%	211.2	212.6	1.3	0.6%
72.8%	211.0	212.2	1.2	0.6%
74.1%	209.9	210.3	0.5	0.2%
75.3%	209.6	209.9	0.3	0.2%
76.5%	208.5	208.7	0.2	0.1%
77.8%	206.7	207.8	1.1	0.5%
79.0%	205.8	207.4	1.6	0.8%
80.2%	205.7	207.2	1.5	0.8%
81.5%	204.3	205.9	1.5	0.7%
82.7%	202.8	205.7	2.9	1.4%
84.0%	201.4	203.1	1.7	0.9%
85.2%	201.1	202.9	1.8	0.9%
86.4%	201.0	201.8	0.8	0.4%
87.7%	200.6	200.8	0.2	0.1%
88.9%	200.4	200.7	0.3	0.1%
90.1%	200.2	200.7	0.5	0.2%
91.4%	199.7	200.6	1.0	0.5%
92.6%	198.8	200.3	1.5	0.8%
93.8%	197.7	198.8	1.2	0.6%
95.1%	197.2	197.6	0.4	0.2%
96.3%	196.9	197.3	0.3	0.2%
97.5%	196.5	197.0	0.5	0.3%
98.8%	194.3	192.9	-1.4	-0.7%
100.0%	191.6	191.7	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	709.9	718.9	9.1	1.3%
1.2%	492.2	483.3	-8.9	-1.8%
2.5%	423.5	401.2	-22.3	-5.3%
3.7%	360.2	350.4	-9.8	-2.7%
4.9%	342.7	343.5	0.8	0.2%
6.2%	331.7	332.2	0.5	0.2%
7.4%	328.4	326.9	-1.5	-0.5%
8.6%	318.8	319.4	0.7	0.2%
9.9%	311.9	313.8	1.9	0.6%
11.1%	310.2	308.1	-2.1	-0.7%
12.3%	299.3	304.2	4.9	1.6%
13.6%	291.1	294.5	3.4	1.2%
14.8%	290.2	290.4	0.3	0.1%
16.0%	286.5	289.1	2.6	0.9%
17.3%	272.2	272.7	0.5	0.2%
18.5%	268.3	268.1	-0.3	-0.1%
19.8%	266.1	267.4	1.2	0.5%
21.0%	264.2	266.2	2.1	0.8%
22.2%	263.0	264.9	1.9	0.7%
23.5%	262.8	262.9	0.2	0.1%
24.7%	258.5	259.1	0.7	0.3%
25.9%	254.9	258.1	3.2	1.3%
27.2%	252.9	255.8	2.9	1.2%
28.4%	248.1	250.2	2.1	0.9%
29.6%	247.5	249.8	2.3	0.9%
30.9%	246.0	249.5	3.5	1.4%
32.1%	245.4	247.7	2.3	0.9%
33.3%	245.4	246.5	1.1	0.4%
34.6%	243.5	246.3	2.8	1.2%
35.8%	243.1	245.7	2.6	1.1%
37.0%	242.7	245.3	2.6	1.1%
38.3%	242.0	243.1	1.0	0.4%
39.5%	239.5	242.3	2.9	1.2%
40.7%	238.7	240.5	1.8	0.7%
42.0%	238.6	240.4	1.8	0.8%
43.2%	237.7	239.0	1.3	0.5%
44.4%	236.8	238.7	1.9	0.8%
45.7%	236.7	238.7	2.0	0.9%
46.9%	236.6	237.5	1.0	0.4%
48.1%	234.6	236.6	2.0	0.8%
49.4%	233.8	235.6	1.8	0.8%
50.6%	233.5	235.3	1.8	0.8%
51.9%	231.6	234.2	2.7	1.1%
53.1%	231.2	232.3	1.1	0.5%
54.3%	229.5	231.3	1.8	0.8%
55.6%	228.6	230.0	1.4	0.6%
56.8%	228.5	229.5	1.1	0.5%
58.0%	226.5	228.3	1.7	0.8%
59.3%	226.1	226.6	0.5	0.2%
60.5%	225.6	226.1	0.5	0.2%
61.7%	225.2	226.1	0.9	0.4%
63.0%	225.0	226.1	1.1	0.5%
64.2%	224.9	225.8	0.9	0.4%
65.4%	224.3	225.6	1.3	0.6%
66.7%	224.2	225.0	0.8	0.4%
67.9%	224.0	224.2	0.2	0.1%
69.1%	223.5	224.0	0.5	0.2%
70.4%	223.0	221.5	-1.5	-0.7%
71.6%	221.6	221.0	-0.6	-0.3%
72.8%	221.2	220.7	-0.5	-0.2%
74.1%	219.8	218.5	-1.3	-0.6%
75.3%	218.7	217.1	-1.6	-0.7%
76.5%	215.6	216.2	0.6	0.3%
77.8%	215.4	215.8	0.4	0.2%
79.0%	215.0	215.5	0.5	0.2%
80.2%	213.2	214.3	1.1	0.5%
81.5%	212.8	213.3	0.5	0.2%
82.7%	211.8	213.1	1.3	0.6%
84.0%	211.3	211.4	0.0	0.0%
85.2%	210.0	211.2	1.2	0.6%
86.4%	209.0	209.8	0.8	0.4%
87.7%	207.8	209.7	1.9	0.9%
88.9%	207.2	207.2	0.0	0.0%
90.1%	206.7	206.6	-0.1	0.0%
91.4%	205.6	205.7	0.1	0.0%
92.6%	201.4	201.5	0.0	0.0%
93.8%	201.0	201.2	0.2	0.1%
95.1%	200.7	201.2	0.5	0.2%
96.3%	197.0	197.0	0.0	0.0%
97.5%	196.9	196.2	-0.7	-0.4%
98.8%	189.9	189.9	0.0	0.0%
100.0%	189.0	189.4	0.4	0.2%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1204.1	1204.7	0.6	0.0%
1.2%	1092.9	1058.7	-34.1	-3.1%
2.5%	1004.2	1026.3	22.0	2.2%
3.7%	967.1	956.7	-10.4	-1.1%
4.9%	510.5	508.3	-2.2	-0.4%
6.2%	503.4	507.9	4.5	0.9%
7.4%	494.5	495.6	1.1	0.2%
8.6%	489.8	495.6	5.8	1.2%
9.9%	476.2	489.9	13.7	2.9%
11.1%	467.3	469.5	2.1	0.5%
12.3%	407.3	407.4	0.1	0.0%
13.6%	377.1	391.9	14.8	3.9%
14.8%	364.6	366.4	1.7	0.5%
16.0%	358.3	363.9	5.6	1.6%
17.3%	350.4	346.8	-3.6	-1.0%
18.5%	348.7	339.6	-9.1	-2.6%
19.8%	347.8	337.6	-10.2	-2.9%
21.0%	345.3	334.2	-11.1	-3.2%
22.2%	344.5	333.2	-11.3	-3.3%
23.5%	340.8	329.5	-11.3	-3.3%
24.7%	337.0	327.8	-9.2	-2.7%
25.9%	331.7	326.0	-5.7	-1.7%
27.2%	331.4	325.2	-6.2	-1.9%
28.4%	329.4	321.0	-8.5	-2.6%
29.6%	326.3	320.3	-5.9	-1.8%
30.9%	321.1	319.0	-2.1	-0.7%
32.1%	320.5	317.4	-3.1	-1.0%
33.3%	319.8	314.5	-5.4	-1.7%
34.6%	316.6	313.6	-3.0	-1.0%
35.8%	311.2	312.1	1.0	0.3%
37.0%	309.2	309.0	-0.2	-0.1%
38.3%	304.1	304.5	0.4	0.1%
39.5%	303.2	295.7	-7.6	-2.5%
40.7%	295.5	293.7	-1.8	-0.6%
42.0%	295.3	279.5	-15.8	-5.3%
43.2%	275.7	277.6	1.9	0.7%
44.4%	274.3	273.5	-0.8	-0.3%
45.7%	273.2	273.1	-0.1	0.0%
46.9%	268.1	269.1	1.0	0.4%
48.1%	266.6	269.1	2.4	0.9%
49.4%	264.8	265.2	0.4	0.2%
50.6%	262.2	261.0	-1.2	-0.5%
51.9%	261.6	260.1	-1.5	-0.6%
53.1%	258.0	259.9	1.9	0.7%
54.3%	257.1	259.2	2.1	0.8%
55.6%	257.1	258.0	0.9	0.4%
56.8%	256.8	257.1	0.3	0.1%
58.0%	254.9	256.4	1.5	0.6%
59.3%	254.0	254.6	0.6	0.2%
60.5%	252.2	254.5	2.3	0.9%
61.7%	252.0	252.7	0.7	0.3%
63.0%	247.5	247.1	-0.5	-0.2%
64.2%	246.9	246.2	-0.8	-0.3%
65.4%	246.2	245.8	-0.4	-0.2%
66.7%	241.9	242.5	0.6	0.3%
67.9%	241.3	241.5	0.3	0.1%
69.1%	237.0	237.2	0.2	0.1%
70.4%	236.2	236.9	0.8	0.3%
71.6%	235.6	235.7	0.1	0.1%
72.8%	233.4	235.4	2.0	0.8%
74.1%	229.2	234.2	5.0	2.2%
75.3%	228.2	229.0	0.8	0.3%
76.5%	227.5	225.5	-2.0	-0.9%
77.8%	225.4	225.5	0.1	0.0%
79.0%	223.8	223.7	-0.1	0.0%
80.2%	223.1	222.7	-0.4	-0.2%
81.5%	222.2	222.6	0.4	0.2%
82.7%	221.7	221.9	0.2	0.1%
84.0%	219.5	220.5	1.0	0.5%
85.2%	219.0	219.6	0.6	0.3%
86.4%	217.7	217.7	0.0	0.0%
87.7%	215.0	215.2	0.2	0.1%
88.9%	198.5	199.1	0.6	0.3%
90.1%	198.0	198.7	0.7	0.3%
91.4%	195.7	195.9	0.2	0.1%
92.6%	193.3	193.5	0.1	0.1%
93.8%	191.0	191.1	0.1	0.1%
95.1%	190.3	190.7	0.4	0.2%
96.3%	186.8	187.1	0.3	0.1%
97.5%	186.8	186.7	0.0	0.0%
98.8%	185.7	185.7	0.0	0.0%
100.0%	179.8	180.1	0.3	0.2%

Table SQ-25-b

San Joaquin River at Jersey Point, Monthly EC

Probability of Exceedance

June				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1749.0	1783.2	34.3	2.0%
1.2%	1638.5	1610.7	-27.8	-1.7%
2.5%	1614.1	1466.8	-147.3	-9.1%
3.7%	1586.3	1449.1	-137.2	-8.6%
4.9%	706.8	759.8	53.0	7.5%
6.2%	659.9	655.4	-4.4	-0.7%
7.4%	640.3	626.1	-14.2	-2.2%
8.6%	626.6	621.3	-5.3	-0.9%
9.9%	615.3	602.7	-12.7	-2.1%
11.1%	602.5	585.4	-17.1	-2.8%
12.3%	602.2	560.3	-42.0	-7.0%
13.6%	588.6	556.3	-32.3	-5.5%
14.8%	567.8	551.0	-16.9	-3.0%
16.0%	554.3	542.1	-12.2	-2.2%
17.3%	553.7	538.0	-15.7	-2.8%
18.5%	553.0	505.5	-47.5	-8.6%
19.8%	526.8	497.8	-28.9	-5.5%
21.0%	519.4	495.3	-24.2	-4.7%
22.2%	507.6	490.0	-17.6	-3.5%
23.5%	498.2	474.2	-24.1	-4.8%
24.7%	492.5	471.2	-21.3	-4.3%
25.9%	489.5	470.3	-19.3	-3.9%
27.2%	487.2	459.0	-28.2	-5.8%
28.4%	482.3	453.5	-28.8	-6.0%
29.6%	478.1	450.1	-28.0	-5.9%
30.9%	472.9	442.9	-30.0	-6.3%
32.1%	467.6	435.8	-31.8	-6.8%
33.3%	461.1	433.2	-27.9	-6.1%
34.6%	452.7	431.4	-21.3	-4.7%
35.8%	439.3	431.3	-8.0	-1.8%
37.0%	434.8	423.7	-11.1	-2.6%
38.3%	421.5	421.4	-0.1	0.0%
39.5%	417.0	403.4	-13.6	-3.3%
40.7%	414.9	394.9	-20.0	-4.8%
42.0%	409.8	386.8	-23.0	-5.6%
43.2%	403.7	382.9	-20.9	-5.2%
44.4%	403.2	381.5	-21.8	-5.4%
45.7%	400.0	371.8	-28.2	-7.1%
46.9%	398.4	366.4	-32.0	-8.0%
48.1%	397.4	359.4	-38.1	-9.6%
49.4%	385.7	357.3	-28.4	-7.4%
50.6%	383.4	357.0	-26.4	-6.9%
51.9%	382.3	353.4	-28.9	-7.6%
53.1%	377.3	352.6	-24.8	-6.6%
54.3%	375.4	352.1	-23.3	-6.2%
55.6%	375.0	342.4	-32.6	-8.7%
56.8%	366.7	338.1	-28.6	-7.8%
58.0%	352.3	338.0	-14.4	-4.1%
59.3%	352.1	337.7	-14.4	-4.1%
60.5%	347.3	331.9	-15.4	-4.4%
61.7%	342.6	331.9	-10.7	-3.1%
63.0%	340.6	324.6	-16.0	-4.7%
64.2%	337.3	324.4	-12.9	-3.8%
65.4%	333.5	324.2	-9.3	-2.8%
66.7%	323.9	322.4	-1.6	-0.5%
67.9%	322.3	322.4	0.0	0.0%
69.1%	322.2	319.8	-2.3	-0.7%
70.4%	319.4	319.6	0.2	0.1%
71.6%	318.6	317.2	-1.4	-0.4%
72.8%	316.8	315.5	-1.3	-0.4%
74.1%	316.3	311.9	-4.4	-1.4%
75.3%	315.9	304.1	-11.8	-3.7%
76.5%	311.1	303.4	-7.6	-2.5%
77.8%	297.3	298.7	1.4	0.5%
79.0%	296.6	296.1	-0.5	-0.2%
80.2%	291.7	296.0	4.2	1.5%
81.5%	290.7	294.0	3.3	1.1%
82.7%	289.8	288.7	-1.1	-0.4%
84.0%	287.5	277.2	-10.2	-3.6%
85.2%	277.3	275.7	-1.6	-0.6%
86.4%	263.4	263.1	-0.3	-0.1%
87.7%	262.6	261.9	-0.6	-0.2%
88.9%	256.8	256.9	0.1	0.0%
90.1%	238.4	243.8	5.4	2.3%
91.4%	234.3	236.7	2.3	1.0%
92.6%	218.4	216.2	-2.2	-1.0%
93.8%	215.2	214.5	-0.7	-0.3%
95.1%	214.5	208.2	-6.3	-2.9%
96.3%	209.1	206.5	-2.6	-1.3%
97.5%	206.4	205.2	-1.2	-0.6%
98.8%	206.2	203.8	-2.3	-1.1%
100.0%	197.5	197.5	-0.1	0.0%

July				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2266.8	2196.7	-70.0	-3.1%
1.2%	2078.1	2077.4	-0.6	0.0%
2.5%	1925.5	1768.1	-157.4	-8.2%
3.7%	1864.2	1766.4	-97.8	-5.2%
4.9%	1854.5	1720.8	-133.7	-7.2%
6.2%	1659.4	1614.6	-44.8	-2.7%
7.4%	1557.6	1568.7	11.1	0.7%
8.6%	1524.4	1560.6	36.2	2.4%
9.9%	1396.3	1372.7	-23.7	-1.7%
11.1%	1362.4	1361.5	-0.9	-0.1%
12.3%	1356.1	1321.8	-34.3	-2.5%
13.6%	1291.5	1317.0	25.4	2.0%
14.8%	1286.2	1292.3	6.1	0.5%
16.0%	1264.6	1286.9	22.3	1.8%
17.3%	1250.0	1269.0	19.0	1.5%
18.5%	1227.6	1252.2	24.6	2.0%
19.8%	1213.3	1243.6	30.3	2.5%
21.0%	1184.3	1243.2	58.9	5.0%
22.2%	1153.6	1212.1	58.5	5.1%
23.5%	1150.0	1205.7	55.8	4.8%
24.7%	1149.9	1190.4	40.5	3.5%
25.9%	1147.6	1180.6	33.0	2.9%
27.2%	1103.4	1162.2	58.8	5.3%
28.4%	1101.0	1135.9	34.9	3.2%
29.6%	1091.3	1114.2	22.8	2.1%
30.9%	1046.8	1095.1	48.3	4.6%
32.1%	1036.6	1041.7	5.1	0.5%
33.3%	943.6	1012.7	69.1	7.3%
34.6%	926.5	970.7	44.2	4.8%
35.8%	910.3	861.9	-48.4	-5.3%
37.0%	906.8	832.4	-74.5	-8.2%
38.3%	869.0	814.4	-54.6	-6.3%
39.5%	860.6	773.7	-86.9	-10.1%
40.7%	761.2	765.9	4.7	0.6%
42.0%	756.1	757.9	1.8	0.2%
43.2%	716.0	736.1	20.1	2.8%
44.4%	705.6	700.5	-5.2	-0.7%
45.7%	698.7	695.1	-3.6	-0.5%
46.9%	684.9	684.8	-0.1	0.0%
48.1%	671.0	679.3	8.3	1.2%
49.4%	615.8	664.3	48.5	7.9%
50.6%	603.2	648.1	44.8	7.4%
51.9%	586.4	644.2	57.7	9.8%
53.1%	545.8	587.7	42.0	7.7%
54.3%	535.0	544.2	9.2	1.7%
55.6%	512.4	533.1	20.8	4.1%
56.8%	509.1	507.1	-2.1	-0.4%
58.0%	495.2	505.5	10.4	2.1%
59.3%	463.6	503.2	39.6	8.5%
60.5%	424.9	427.0	2.1	0.5%
61.7%	421.3	422.9	1.6	0.4%
63.0%	406.6	409.0	2.4	0.6%
64.2%	401.3	404.9	3.6	0.9%
65.4%	391.4	398.4	7.0	1.8%
66.7%	391.4	392.5	1.1	0.3%
67.9%	388.2	383.4	-4.8	-1.2%
69.1%	385.4	382.3	-3.1	-0.8%
70.4%	374.0	373.8	-0.2	-0.1%
71.6%	372.9	369.8	-3.1	-0.8%
72.8%	368.8	369.4	0.6	0.2%
74.1%	360.4	368.0	7.6	2.1%
75.3%	355.1	364.9	9.8	2.8%
76.5%	353.5	363.3	9.8	2.8%
77.8%	353.3	356.2	2.9	0.8%
79.0%	353.2	351.0	-2.2	-0.6%
80.2%	349.1	340.6	-8.5	-2.4%
81.5%	341.0	340.0	-0.9	-0.3%
82.7%	334.0	339.2	5.2	1.6%
84.0%	325.1	328.3	3.2	1.0%
85.2%	314.0	318.4	4.4	1.4%
86.4%	303.8	302.2	-1.6	-0.5%
87.7%	301.9	298.8	-3.1	-1.0%
88.9%	297.1	294.6	-2.5	-0.8%
90.1%	296.0	294.2	-1.8	-0.6%
91.4%	294.7	291.4	-3.3	-1.1%
92.6%	289.6	277.7	-11.9	-4.1%
93.8%	277.7	277.4	-0.2	-0.1%
95.1%	271.6	273.5	1.9	0.7%
96.3%	261.4	265.4	3.9	1.5%
97.5%	259.4	255.3	-4.1	-1.6%
98.8%	241.7	253.7	12.0	4.9%
100.0%	216.9	219.3	2.4	1.1%

August				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	2192.6	2194.4	1.8	0.1%
1.2%	2053.7	1971.3	-82.4	-4.0%
2.5%	2030.4	1944.8	-85.6	-4.2%
3.7%	1963.9	1865.3	-98.6	-5.0%
4.9%	1957.5	1857.5	-100.0	-5.1%
6.2%	1946.1	1856.8	-89.3	-4.6%
7.4%	1903.0	1798.9	-104.1	-5.5%
8.6%	1873.7	1743.5	-130.2	-7.0%
9.9%	1841.7	1654.0	-187.6	-10.2%
11.1%	1830.8	1642.9	-187.9	-10.3%
12.3%	1648.7	1625.5	-23.2	-1.4%
13.6%	1643.1	1619.5	-23.7	-1.4%
14.8%	1638.5	1605.0	-33.6	-2.0%
16.0%	1628.6	1571.1	-57.5	-3.5%
17.3%	1607.4	1554.9	-52.5	-3.3%
18.5%	1600.1	1542.9	-57.2	-3.6%
19.8%	1565.5	1519.6	-45.9	-2.9%
21.0%	1545.4	1510.9	-34.5	-2.2%
22.2%	1544.5	1492.6	-51.9	-3.4%
23.5%	1540.4	1487.5	-52.8	-3.4%
24.7%	1533.9	1477.3	-56.6	-3.7%
25.9%	1523.4	1467.3	-56.2	-3.7%
27.2%	1520.0	1456.0	-64.0	-4.2%
28.4%	1499.5	1454.7	-44.8	-3.0%
29.6%	1454.6	1449.9	-4.7	-0.3%
30.9%	1426.5	1416.1	-10.4	-0.7%
32.1%	1397.9	1409.9	12.0	0.9%
33.3%	1395.8	1409.1	13.3	1.0%
34.6%	1389.6	1404.4	14.7	1.1%
35.8%	1369.2	1396.7	27.5	2.0%
37.0%	1361.2	1391.7	30.4	2.2%
38.3%	1348.7	1391.2	42.6	3.2%
39.5%	1321.1	1373.7	52.7	4.0%
40.7%	1303.0	1372.8	69.7	5.4%
42.0%	1299.4	1371.1	71.7	5.5%
43.2%	1288.2	1323.8	35.6	2.8%
44.4%	1279.4	1310.9	31.5	2.5%
45.7%	1277.6	1280.9	3.4	0.3%
46.9%	1275.0	1273.5	-1.5	-0.1%
48.1%	1258.9	1270.1	11.3	0.9%
49.4%	1249.4	1244.2	-5.2	-0.4%
50.6%	1245.0	1242.4	-2.7	-0.2%
51.9%	1225.7	1239.4	13.8	1.1%
53.1%	1209.3	1236.7	27.5	2.3%
54.3%	1204.1	1226.2	22.0	1.8%
55.6%	1202.2	1221.8	19.6	1.6%
56.8%	1187.5	1215.8	28.3	2.4%
58.0%	1175.6	1214.3	38.7	3.3%
59.3%	1164.3	1209.2	44.9	3.9%
60.5%	1162.4	1208.6	46.2	4.0%
61.7%	1159.9	1178.6	18.7	1.6%
63.0%	1144.0	1163.4	19.4	1.7%
64.2%	1142.3	1162.0	19.7	1.7%
65.4%	1139.2	1145.2	5.9	0.5%
66.7%	1138.0	1144.5	6.5	0.6%
67.9%	1120.8	1142.3	21.5	1.9%
69.1%	1108.9	1140.0	31.1	2.8%
70.4%	1099.6	1130.0	30.5	2.8%
71.6%	1095.1	1126.6	31.4	2.9%
72.8%	1094.4	1119.2	24.7	2.3%
74.1%	1093.0	1115.4	22.4	2.1%
75.3%	1075.3	1092.1	16.7	1.6%
76.5%	1060.7	1085.6	24.8	2.3%
77.8%	1060.7	1085.5	24.8	2.3%
79.0%	1057.9	1052.1	-5.8	-0.6%
80.2%	1054.7	1050.6	-4.1	-0.4%
81.5%	1049.9	1035.2	-14.7	-1.4%
82.7%	1048.1	1023.8	-24.3	-2.3%
84.0%	1041.1	989.1	-51.9	-5.0%
85.2%	1021.0	985.6	-35.4	-3.5%
86.4%	999.6	984.8	-14.8	-1.5%
87.7%	973.6	981.0	7.4	0.8%
88.9%	964.0	957.4	-6.7	-0.7%
90.1%	949.5	955.8	6.3	0.7%
91.4%	948.1	947.8	-0.2	0.0%
92.6%	941.0	941.0	0.0	0.0%
93.8%	920.0	939.0	18.9	2.1%
95.1%	916.9	889.5	-27.4	-3.0%
96.3%	888.1	873.4	-14.7	-1.7%
97.5%	854.3	843.4	-10.9	-1.3%
98.8%	851.6	820.7	-30.9	-3.6%
100.0%	788.4	760.1	-28.3	-3.6%

September				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	3039.6	2811.0	-228.6	-7.5%
1.2%	2897.6	2764.9	-132.7	-4.6%
2.5%	2896.4	2745.5	-151.0	-5.2%
3.7%	2861.6	2744.0	-117.6	-4.1%
4.9%	2833.5	2729.9	-103.6	-3.7%
6.2%	2815.4	2725.1	-90.3	-3.2%
7.4%	2795.7	2721.5	-74.2	-2.7%
8.6%	2771.7	2663.5	-108.1	-3.9%
9.9%	2764.0	2623.6	-140.4	-5.1%
11.1%	2752.0	2603.0	-149.0	-5.4%
12.3%	2750.7	2599.8	-150.9	-5.5%
13.6%	2734.1	2585.9	-148.2	-5.4%
14.8%	2729.4	2572.4	-157.0	-5.8%
16.0%	2686.8	2570.5	-116.3	-4.3%
17.3%	2667.4	2566.3	-101.1	-3.8%
18.5%	2660.1	2555.5	-104.6	-3.9%
19.8%	2638.9	2544.7	-94.2	-3.6%
21.0%	2624.3	2534.4	-89.9	-3.4%
22.2%	2574.6	2532.6	-42.0	-1.6%
23.5%	2559.5	2495.6	-64.0	-2.5%
24.7%	2559.2	2454.7	-104.4	-4.1%
25.9%	2554.1	2425.7	-128.5	-5.0%
27.2%	2554.0	2422.6	-131.4	-5.1%
28.4%	2552.3	2418.2	-134.1	-5.3%
29.6%	2550.6	2408.8	-141.8	-5.6%
30.9%	2508.9	2378.0	-130.8	-5.2%
32.1%	2503.4	2369.7	-133.8	-5.3%
33.3%	2440.0	2347.5	-92.4	-3.8%
34.6%	2434.9	2324.1	-110.8	-4.6%
35.8%	2422.1	2292.3	-129.8	-5.4%
37.0%	2407.3	2276.0	-131.3	-5.5%
38.3%	2272.3	2268.4	-4.0	-0.2%
39.5%	2221.7	2260.6	38.8	1.7%
40.7%	2213.0	2241.0	28.1	1.3%
42.0%	2201.7	2206.4	4.7	0.2%
43.2%	2093.9	2194.1	100.3	4.8%
44.4%	2081.8	2170.1	88.3	4.2%
45.7%	2074.8	2143.1	68.3	3.3%
46.9%	2070.4	2061.1	-9.3	-0.5%
48.1%	2062.9	2011.2	-51.7	-2.5%
49.4%	2019.5	2010.2	-9.3	-0.5%
50.6%	1996.1	2004.3	8.2	0.4%
51.9%	1942.3	1909.9	-32.4	-1.7%
53.1%	1914.4	1709.8	-204.7	-10.7%
54.3%	1899.3	1665.9	-233.4	-12.3%
55.6%	1118.1	1120.8	2.7	0.2%
56.8%	1111.2	1096.1	-15.1	-1.4%
58.0%	1083.4	1086.0	2.5	0.2%
59.3%	1080.4	1038.6	-41.8	-3.9%
60.5%	1064.2	1028.8	-35.5	-3.3%
61.7%	1042.7	1000.3	-42.4	-4.1%
63.0%	1022.0	995.1	-26.9	-2.6%
64.2%	1014.0	989.3	-24.6	-2.4%
65.4%	999.9	958.3	-41.6	-4.2%
66.7%	998.1	946.2	-51.9	-5.2%
67.9%	979.5	940.3	-39.2	-4.0%
69.1%	969.5	938.0	-31.5	-3.2%
70.4%	938.2	935.5	-2.7	-0.3%
71.6%	925.8	927.8	2.0	0.2%
72.8%	918.5	890.5	-27.9	-3.0%
74.1%	896.9	882.4	-16.5	-1.8%
75.3%	896.7	872.4	-24.2	-2.7%
76.5%	858.6	858.8	0.1	0.0%
77.8%	846.6	836.3	-10.3	-1.2%
79.0%	827.0	817.2	-9.8	-1.2%
80.2%	826.8	805.1	-21.6	-2.6%
81.5%	822.5	795.5	-27.0	-3.3%
82.7%	820.0	795.3	-24.7	-3.0%
84.0%	801.7	787.7	-14.0	-1.8%
85.2%	767.9	767.7	-0.2	0.0%
86.4%	761.9	766.6	4.7	0.6%
87.7%	752.2	732.8	-19.4	-2.6%
88.9%	739.6	691.2	-48.4	-6.5%
90.1%	700.1	647.1	-53.0	-7.6%
91.4%	605.7	527.1	-78.7	-13.0%
92.6%	573.9	524.4	-49.5	-8.6%
93.8%	519.4	500.3	-19.1	-3.7%
95.1%	503.4	493.9	-9.5	-1.9%
96.3%	500.9	482.5	-18.4	-3.7%
97.5%	499.1	477.5	-21.6	-4.3%
98.8%	445.8	473.8	28.0	6.3%
100.0%	392.1	397.5	5.4	1.4%

Figure SQ-27-b
Old River at Rock Slough, Monthly EC
Probability of Exceedance

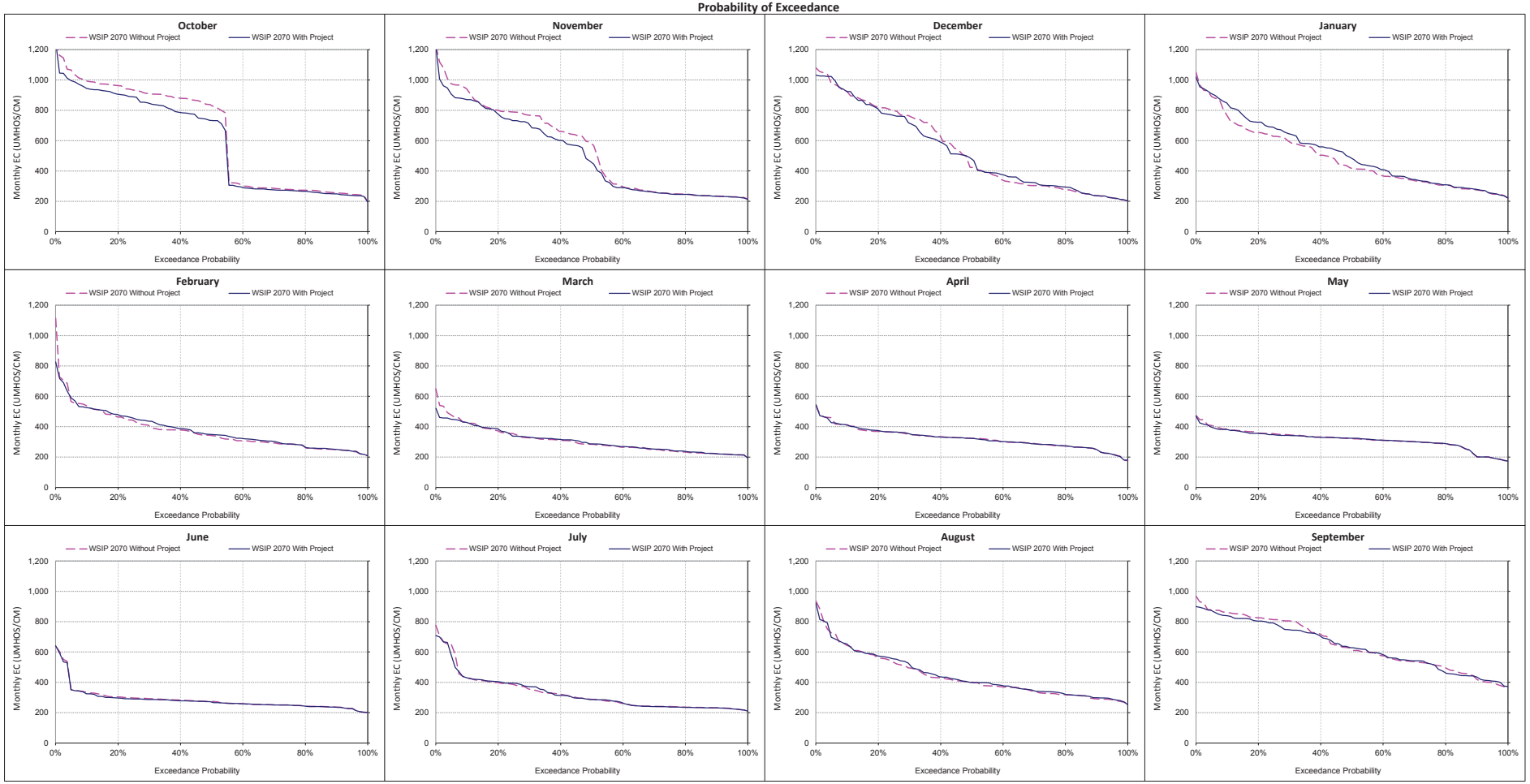


Table SQ-27-b

Old River at Rock Slough, Monthly EC
Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1251.7	1251.5	-0.1	0.0%
1.2%	1163.0	1045.0	-118.0	-10.1%
2.5%	1145.7	1043.9	-101.8	-8.9%
3.7%	1071.2	1013.5	-57.6	-5.4%
4.9%	1065.7	995.8	-69.9	-6.6%
6.2%	1034.5	987.8	-46.7	-4.5%
7.4%	1014.2	971.2	-43.0	-4.2%
8.6%	1005.4	960.5	-44.9	-4.5%
9.9%	992.8	944.3	-48.5	-4.9%
11.1%	988.7	939.9	-48.8	-4.9%
12.3%	986.7	936.3	-50.4	-5.1%
13.6%	974.7	936.1	-38.6	-4.0%
14.8%	973.3	930.4	-43.0	-4.4%
16.0%	973.2	926.8	-46.4	-4.8%
17.3%	970.4	924.2	-46.3	-4.8%
18.5%	966.1	913.9	-52.2	-5.4%
19.8%	963.3	906.8	-56.5	-5.9%
21.0%	961.1	903.8	-57.3	-6.0%
22.2%	941.5	900.3	-41.1	-4.4%
23.5%	940.5	891.0	-49.5	-5.3%
24.7%	934.7	888.8	-45.9	-4.9%
25.9%	930.0	886.6	-43.4	-4.7%
27.2%	924.7	853.5	-71.2	-7.7%
28.4%	914.5	853.4	-61.2	-6.7%
29.6%	910.6	847.8	-62.8	-6.9%
30.9%	907.1	839.6	-67.5	-7.4%
32.1%	906.4	836.2	-70.3	-7.8%
33.3%	906.1	832.7	-73.3	-8.1%
34.6%	904.3	829.2	-75.1	-8.3%
35.8%	893.3	815.5	-77.8	-8.7%
37.0%	891.9	808.2	-83.7	-9.4%
38.3%	880.4	792.2	-88.3	-10.0%
39.5%	880.2	787.3	-92.9	-10.6%
40.7%	878.6	783.6	-95.0	-10.8%
42.0%	878.1	781.0	-97.1	-11.1%
43.2%	869.4	776.6	-92.8	-10.7%
44.4%	866.6	774.9	-91.8	-10.6%
45.7%	863.6	749.7	-113.8	-13.2%
46.9%	853.6	745.2	-108.4	-12.7%
48.1%	840.3	741.9	-98.3	-11.7%
49.4%	838.5	733.4	-105.1	-12.5%
50.6%	823.9	732.1	-91.8	-11.1%
51.9%	814.6	731.7	-82.9	-10.2%
53.1%	799.1	711.5	-87.6	-11.0%
54.3%	784.2	666.6	-117.5	-15.0%
55.6%	322.6	306.1	-16.4	-5.1%
56.8%	321.8	305.8	-15.9	-5.0%
58.0%	320.6	298.9	-21.6	-6.7%
59.3%	311.5	295.0	-16.6	-5.3%
60.5%	299.9	289.0	-10.9	-3.6%
61.7%	299.1	286.1	-13.0	-4.4%
63.0%	292.5	284.1	-8.4	-2.9%
64.2%	289.7	282.2	-7.5	-2.6%
65.4%	288.7	281.2	-7.4	-2.6%
66.7%	288.6	281.1	-7.6	-2.6%
67.9%	287.5	278.5	-9.0	-3.1%
69.1%	287.5	277.3	-10.2	-3.5%
70.4%	284.3	274.8	-9.5	-3.3%
71.6%	282.6	272.8	-9.8	-3.5%
72.8%	281.1	272.7	-8.4	-3.0%
74.1%	278.9	272.6	-6.3	-2.2%
75.3%	277.8	270.9	-6.8	-2.5%
76.5%	276.1	269.1	-7.1	-2.6%
77.8%	273.8	268.7	-5.1	-1.9%
79.0%	273.5	266.0	-7.5	-2.7%
80.2%	272.9	265.9	-7.0	-2.6%
81.5%	272.1	262.1	-10.0	-3.7%
82.7%	271.8	259.8	-12.0	-4.4%
84.0%	269.7	258.3	-11.4	-4.2%
85.2%	264.4	254.2	-10.1	-3.8%
86.4%	261.6	251.6	-10.0	-3.8%
87.7%	259.9	250.9	-9.0	-3.5%
88.9%	257.1	249.9	-7.3	-2.8%
90.1%	256.4	248.6	-7.8	-3.0%
91.4%	254.2	243.7	-10.5	-4.1%
92.6%	252.2	242.9	-9.3	-3.7%
93.8%	249.7	240.6	-9.1	-3.6%
95.1%	244.3	239.4	-4.9	-2.0%
96.3%	243.9	237.4	-6.5	-2.7%
97.5%	241.8	237.0	-4.8	-2.0%
98.8%	239.7	232.2	-7.5	-3.1%
100.0%	196.8	196.6	-0.2	-0.1%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1224.1	1217.1	-7.0	-0.6%
1.2%	1117.3	1006.6	-110.7	-9.9%
2.5%	1079.8	962.1	-117.7	-10.9%
3.7%	1010.2	948.0	-62.2	-6.2%
4.9%	974.8	907.0	-67.7	-6.9%
6.2%	967.7	882.3	-85.3	-8.8%
7.4%	966.6	881.4	-85.2	-8.8%
8.6%	957.3	877.4	-79.9	-8.3%
9.9%	942.5	870.8	-71.7	-7.6%
11.1%	906.0	870.0	-35.9	-4.0%
12.3%	870.6	862.0	-8.5	-1.0%
13.6%	856.0	856.1	0.0	0.0%
14.8%	837.7	829.5	-8.3	-1.0%
16.0%	822.7	812.4	-10.3	-1.3%
17.3%	814.6	809.1	-5.5	-0.7%
18.5%	802.9	802.3	-0.6	-0.1%
19.8%	801.9	778.2	-23.7	-3.0%
21.0%	793.0	755.3	-37.7	-4.8%
22.2%	791.9	744.0	-47.9	-6.1%
23.5%	791.5	742.7	-48.8	-6.2%
24.7%	788.7	732.6	-56.2	-7.1%
25.9%	787.7	731.9	-55.8	-7.1%
27.2%	786.1	725.8	-60.3	-7.7%
28.4%	773.3	725.3	-47.9	-6.2%
29.6%	768.4	717.1	-51.3	-6.7%
30.9%	765.8	684.8	-81.0	-10.6%
32.1%	763.8	682.2	-81.6	-10.7%
33.3%	763.0	675.1	-87.9	-11.5%
34.6%	715.4	647.8	-67.6	-9.5%
35.8%	715.3	625.3	-90.1	-12.6%
37.0%	696.1	624.5	-71.6	-10.3%
38.3%	684.0	609.8	-74.2	-10.8%
39.5%	661.7	602.4	-59.3	-9.0%
40.7%	659.2	600.1	-59.1	-9.0%
42.0%	653.5	578.6	-74.9	-11.5%
43.2%	642.7	573.4	-69.3	-10.8%
44.4%	640.6	569.2	-71.4	-11.1%
45.7%	631.3	565.7	-65.6	-10.4%
46.9%	628.7	554.3	-74.4	-11.8%
48.1%	596.4	482.5	-113.9	-19.1%
49.4%	590.2	464.1	-126.1	-21.4%
50.6%	567.0	444.2	-122.8	-21.7%
51.9%	493.6	402.1	-91.6	-18.5%
53.1%	405.3	385.8	-19.5	-4.8%
54.3%	365.9	335.5	-30.4	-8.3%
55.6%	341.9	324.3	-17.7	-5.2%
56.8%	315.3	299.6	-15.8	-5.0%
58.0%	313.1	290.3	-22.8	-7.3%
59.3%	301.2	290.1	-11.1	-3.7%
60.5%	291.1	289.8	-1.2	-0.4%
61.7%	286.7	283.9	-2.7	-0.9%
63.0%	285.8	276.9	-8.9	-3.1%
64.2%	283.7	274.0	-9.6	-3.4%
65.4%	274.1	269.4	-4.8	-1.7%
66.7%	273.8	268.8	-5.0	-1.8%
67.9%	268.7	264.3	-4.4	-1.6%
69.1%	262.3	262.6	0.3	0.1%
70.4%	260.8	257.3	-3.5	-1.3%
71.6%	253.9	255.2	1.2	0.5%
72.8%	253.7	254.6	0.9	0.4%
74.1%	253.6	252.4	-1.1	-0.5%
75.3%	249.8	248.2	-1.6	-0.6%
76.5%	249.2	246.5	-2.7	-1.1%
77.8%	248.7	246.5	-2.2	-0.9%
79.0%	247.2	246.0	-1.1	-0.5%
80.2%	246.4	245.5	-0.9	-0.4%
81.5%	244.8	245.1	0.3	0.1%
82.7%	239.4	243.0	3.6	1.5%
84.0%	239.3	238.9	-0.4	-0.2%
85.2%	238.9	237.2	-1.7	-0.7%
86.4%	237.0	236.7	-0.3	-0.1%
87.7%	236.4	236.6	0.2	0.1%
88.9%	235.1	233.9	-1.2	-0.5%
90.1%	234.7	233.0	-1.7	-0.7%
91.4%	234.0	232.6	-1.4	-0.6%
92.6%	234.0	232.5	-1.5	-0.6%
93.8%	230.2	230.4	0.2	0.1%
95.1%	230.0	229.4	-0.5	-0.2%
96.3%	229.3	228.0	-1.3	-0.6%
97.5%	226.1	225.9	-0.1	-0.1%
98.8%	225.2	221.5	-3.6	-1.6%
100.0%	214.2	213.4	-0.8	-0.4%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1079.9	1031.6	-48.4	-4.5%
1.2%	1055.8	1027.1	-28.7	-2.7%
2.5%	1047.6	1025.7	-22.0	-2.1%
3.7%	1038.1	1023.5	-14.5	-1.4%
4.9%	977.4	1023.2	45.8	4.7%
6.2%	969.0	993.5	24.6	2.5%
7.4%	956.1	951.4	-4.7	-0.5%
8.6%	930.9	941.0	10.1	1.1%
9.9%	926.8	924.0	-2.8	-0.3%
11.1%	895.4	923.1	27.7	3.1%
12.3%	893.3	888.8	-4.5	-0.5%
13.6%	881.7	866.2	-15.5	-1.8%
14.8%	869.0	864.8	-4.3	-0.5%
16.0%	862.8	838.0	-24.8	-2.9%
17.3%	847.9	837.7	-10.2	-1.2%
18.5%	831.7	825.7	-6.0	-0.7%
19.8%	820.4	813.1	-7.3	-0.9%
21.0%	816.9	782.2	-34.7	-4.2%
22.2%	816.4	775.8	-40.6	-5.0%
23.5%	807.5	773.1	-34.4	-4.3%
24.7%	796.9	768.4	-28.5	-3.6%
25.9%	794.3	761.6	-32.7	-4.1%
27.2%	769.0	761.5	-7.5	-1.0%
28.4%	766.9	759.5	-7.4	-1.0%
29.6%	765.4	718.8	-46.5	-6.1%
30.9%	753.7	705.8	-47.9	-6.4%
32.1%	742.1	693.6	-48.5	-6.5%
33.3%	738.9	656.6	-82.2	-11.1%
34.6%	720.1	631.1	-89.1	-12.4%
35.8%	719.4	621.7	-97.7	-13.6%
37.0%	698.0	616.3	-81.8	-11.7%
38.3%	663.2	608.9	-54.4	-8.2%
39.5%	647.8	595.8	-52.0	-8.0%
40.7%	594.5	582.5	-12.0	-2.0%
42.0%	594.2	566.5	-27.8	-4.7%
43.2%	578.7	513.3	-65.3	-11.3%
44.4%	550.2	512.2	-38.0	-6.9%
45.7%	538.9	511.6	-27.3	-5.1%
46.9%	510.1	505.5	-4.7	-0.9%
48.1%	497.4	501.0	3.6	0.7%
49.4%	424.2	487.9	63.7	15.0%
50.6%	422.7	468.7	45.9	10.9%
51.9%	407.9	404.0	-3.9	-1.0%
53.1%	402.2	400.2	-2.0	-0.5%
54.3%	392.2	391.8	-0.4	-0.1%
55.6%	388.0	389.4	1.3	0.3%
56.8%	374.0	388.4	14.4	3.8%
58.0%	367.5	386.3	18.8	5.1%
59.3%	345.8	377.0	31.2	9.0%
60.5%	334.0	371.9	37.8	11.3%
61.7%	330.2	362.8	32.6	9.9%
63.0%	324.5	360.6	36.2	11.1%
64.2%	323.2	359.8	36.6	11.3%
65.4%	316.7	340.3	23.7	7.5%
66.7%	315.3	327.0	11.7	3.7%
67.9%	305.2	326.0	20.8	6.8%
69.1%	303.8	324.2	20.4	6.7%
70.4%	303.7	322.8	19.0	6.3%
71.6%	303.5	309.6	6.1	2.0%
72.8%	302.9	305.0	2.1	0.7%
74.1%	302.4	304.4	2.0	0.7%
75.3%	293.0	304.0	11.0	3.7%
76.5%	292.5	302.7	10.2	3.5%
77.8%	287.5	299.2	11.7	4.1%
79.0%	280.9	295.4	14.6	5.2%
80.2%	275.7	293.5	17.7	6.4%
81.5%	274.5	291.6	17.1	6.2%
82.7%	266.4	280.8	14.4	5.4%
84.0%	263.0	270.0	7.1	2.7%
85.2%	255.6	254.4	-1.2	-0.5%
86.4%	248.4	251.4	3.0	1.2%
87.7%	247.8	247.2	-0.6	-0.2%
88.9%	240.2	239.7	-0.4	-0.2%
90.1%	236.9	237.9	1.0	0.4%
91.4%	234.4	235.2	0.8	0.4%
92.6%	232.8	234.8	2.0	0.8%
93.8%	226.4	225.8	-0.6	-0.3%
95.1%	223.3	221.0	-2.3	-1.0%
96.3%	216.5	219.9	3.4	1.6%
97.5%	211.0	213.1	2.1	1.0%
98.8%	209.3	209.5	0.2	0.1%
100.0%	201.2	203.3	2.2	1.1%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1050.7	1019.1	-31.5	-3.0%
1.2%	967.5	954.2	-13.3	-1.4%
2.5%	932.5	942.0	9.5	1.0%
3.7%	928.2	927.0	-1.1	-0.1%
4.9%	891.5	910.5	19.0	2.1%
6.2%	879.2	898.0	18.7	2.1%
7.4%	876.9	877.9	1.0	0.1%
8.6%	811.9	860.8	48.9	6.0%
9.9%	768.3	848.4	80.1	10.4%
11.1%	726.8	815.3	88.5	12.2%
12.3%	716.5	811.6	95.1	13.3%
13.6%	701.9	800.0	98.2	14.0%
14.8%	696.1	772.8	76.7	11.0%
16.0%	676.1	749.7	73.6	10.9%
17.3%	665.0	728.5	63.5	9.5%
18.5%	655.5	724.1	68.6	10.5%
19.8%	654.4	722.3	67.9	10.4%
21.0%	651.9	721.2	69.3	10.6%
22.2%	643.8	699.3	55.5	8.6%
23.5%	643.4	690.4	47.1	7.3%
24.7%	629.0	689.8	60.9	9.7%
25.9%	628.3	674.8	46.5	7.4%
27.2%	624.1	672.7	48.6	7.8%
28.4%	617.6	657.1	39.5	6.4%
29.6%	596.6	645.8	49.2	8.2%
30.9%	581.0	640.3	59.3	10.2%
32.1%	579.0	630.7	51.8	8.9%
33.3%	570.6	585.6	15.0	2.6%
34.6%	564.4	581.4	17.0	3.0%
35.8%	564.1	580.9	16.8	3.0%
37.0%	555.9	577.6	21.7	3.9%
38.3%	524.9	573.6	48.7	9.3%
39.5%	503.9	559.0	55.1	10.9%
40.7%	503.5	558.7	55.2	11.0%
42.0%	498.5	553.0	54.5	10.9%
43.2%	494.5	549.9	55.4	11.2%
44.4%	479.2	540.5	61.3	12.8%
45.7%	445.8	532.4	86.6	19.4%
46.9%	439.7	527.3	87.6	19.9%
48.1%	436.9	502.1	65.2	14.9%
49.4%	421.1	490.1	69.0	16.4%
50.6%	413.3	474.7	61.4	14.9%
51.9%	412.4	455.4	43.0	10.4%
53.1%	412.1	443.0	30.9	7.5%
54.3%	411.3	439.9	28.6	7.0%
55.6%	401.8	434.6	32.8	8.2%
56.8%	401.2	431.1	29.9	7.4%
58.0%	378.3	424.6	46.3	12.2%
59.3%	371.2	410.9	39.7	10.7%
60.5%	365.5	407.5	42.0	11.5%
61.7%	364.3	396.6	32.3	8.9%
63.0%	360.3	366.8	6.5	1.8%
64.2%	359.0	366.0	7.0	2.0%
65.4%	352.4	365.6	13.3	3.8%
66.7%	351.5	363.6	12.2	3.5%
67.9%	342.9	354.0	11.0	3.2%
69.1%	341.4	344.3	2.9	0.9%
70.4%	334.5	343.4	8.9	2.7%
71.6%	332.7	336.2	3.5	1.0%
72.8%	328.6	333.2	4.6	1.4%
74.1%	327.0	330.7	3.7	1.1%
75.3%	315.7	321.9	6.2	2.0%
76.5%	315.2	317.0	1.8	0.6%
77.8%	307.5	315.6	8.1	2.6%
79.0%	307.1	308.5	1.4	0.4%
80.2%	306.7	308.3	1.6	0.5%
81.5%	304.6	305.3	0.7	0.2%
82.7%	291.0	293.1	2.1	0.7%
84.0%	290.7	292.3	1.6	0.6%
85.2%	282.6	291.8	9.2	3.3%
86.4%	282.4	286.5	4.0	1.4%
87.7%	280.9	284.8	3.9	1.4%
88.9%	278.1	280.9	2.8	1.0%
90.1%	274.9	278.2	3.4	1.2%
91.4%	271.5	273.9	2.4	0.9%
92.6%	267.0	271.6	4.6	1.7%
93.8%	256.2	256.3	0.1	0.1%
95.1%	247.6	252.3	4.7	1.9%
96.3%	246.8	249.3	2.5	1.0%
97.5%	245.8	240.1	-5.7	-2.3%
98.8%	236.8	237.4	0.6	0.3%
100.0%	221.3	221.4	0.1	0.0%

Table SQ-27-b

Old River at Rock Slough, Monthly EC
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	1114.4	827.1	-287.3	-25.8%
1.2%	727.8	717.5	-10.3	-1.4%
2.5%	705.8	690.0	-15.8	-2.2%
3.7%	685.6	635.6	-50.0	-7.3%
4.9%	566.0	590.0	24.0	4.2%
6.2%	554.0	570.1	16.1	2.9%
7.4%	553.0	532.4	-20.6	-3.7%
8.6%	550.0	531.1	-18.9	-3.4%
9.9%	538.4	525.9	-12.5	-2.3%
11.1%	522.3	522.2	0.0	0.0%
12.3%	514.9	515.9	1.0	0.2%
13.6%	512.3	511.4	-0.9	-0.2%
14.8%	507.6	509.1	1.4	0.3%
16.0%	482.3	507.5	25.2	5.2%
17.3%	480.7	492.1	11.3	2.4%
18.5%	477.4	483.3	5.9	1.2%
19.8%	464.1	480.4	16.3	3.5%
21.0%	463.2	470.8	7.6	1.6%
22.2%	451.9	469.1	17.2	3.8%
23.5%	444.4	463.5	19.1	4.3%
24.7%	443.5	456.3	12.8	2.9%
25.9%	427.4	449.1	21.7	5.1%
27.2%	417.1	444.2	27.1	6.5%
28.4%	412.3	441.4	29.1	7.1%
29.6%	410.8	436.2	25.4	6.2%
30.9%	390.1	435.5	45.4	11.6%
32.1%	386.5	422.3	35.7	9.2%
33.3%	380.6	413.0	32.4	8.5%
34.6%	380.5	409.6	29.1	7.6%
35.8%	379.5	402.4	22.9	6.0%
37.0%	379.1	398.7	19.6	5.2%
38.3%	378.8	393.6	14.7	3.9%
39.5%	378.6	387.0	8.4	2.2%
40.7%	377.6	386.9	9.3	2.5%
42.0%	373.9	383.3	9.3	2.5%
43.2%	369.0	378.8	9.9	2.7%
44.4%	358.7	360.3	1.6	0.5%
45.7%	349.3	359.6	10.3	2.9%
46.9%	345.6	355.5	9.9	2.9%
48.1%	344.2	350.6	6.5	1.9%
49.4%	343.6	348.8	5.2	1.5%
50.6%	339.9	347.0	7.2	2.1%
51.9%	337.5	346.6	9.0	2.7%
53.1%	324.2	344.5	20.3	6.3%
54.3%	319.0	342.4	23.4	7.3%
55.6%	317.6	335.5	17.9	5.6%
56.8%	316.4	331.2	14.8	4.7%
58.0%	307.8	324.4	16.6	5.4%
59.3%	307.1	322.9	15.8	5.1%
60.5%	306.5	319.7	13.2	4.3%
61.7%	305.7	319.1	13.5	4.4%
63.0%	302.2	316.1	13.9	4.6%
64.2%	301.2	314.1	12.9	4.3%
65.4%	300.5	309.1	8.7	2.9%
66.7%	299.3	308.7	9.5	3.2%
67.9%	295.6	305.4	9.8	3.3%
69.1%	293.4	305.0	11.6	3.9%
70.4%	292.2	300.7	8.5	2.9%
71.6%	286.9	294.0	7.1	2.5%
72.8%	285.6	288.1	2.6	0.9%
74.1%	285.1	286.8	1.7	0.6%
75.3%	284.4	285.2	0.7	0.3%
76.5%	283.3	283.5	0.3	0.1%
77.8%	279.2	281.2	1.9	0.7%
79.0%	277.9	279.2	1.4	0.5%
80.2%	258.8	261.9	3.1	1.2%
81.5%	257.3	258.3	1.0	0.4%
82.7%	256.7	258.0	1.3	0.5%
84.0%	254.4	257.5	3.1	1.2%
85.2%	252.8	257.0	4.2	1.7%
86.4%	252.7	256.8	4.2	1.6%
87.7%	251.2	253.1	1.8	0.7%
88.9%	249.8	251.5	1.7	0.7%
90.1%	249.2	249.2	0.0	0.0%
91.4%	246.2	246.2	0.0	0.0%
92.6%	244.9	245.3	0.4	0.2%
93.8%	242.3	242.4	0.1	0.1%
95.1%	235.8	237.9	2.0	0.9%
96.3%	234.0	237.3	3.3	1.4%
97.5%	221.0	221.2	0.2	0.1%
98.8%	216.6	216.8	0.2	0.1%
100.0%	207.4	209.7	2.2	1.1%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	649.4	520.4	-129.0	-19.9%
1.2%	539.8	460.4	-79.4	-14.7%
2.5%	534.6	457.3	-77.2	-14.4%
3.7%	492.7	456.9	-35.8	-7.3%
4.9%	476.8	448.4	-28.4	-6.0%
6.2%	460.1	447.7	-12.5	-2.7%
7.4%	457.4	442.6	-14.8	-3.2%
8.6%	431.0	431.6	0.6	0.1%
9.9%	428.1	428.5	0.4	0.1%
11.1%	422.4	419.9	-2.5	-0.6%
12.3%	421.7	408.3	-13.4	-3.2%
13.6%	404.4	405.7	1.3	0.3%
14.8%	393.4	396.2	2.8	0.7%
16.0%	388.4	393.6	5.2	1.3%
17.3%	386.8	389.7	2.9	0.8%
18.5%	377.1	388.0	10.9	2.9%
19.8%	374.4	386.7	12.3	3.3%
21.0%	362.0	369.7	7.6	2.1%
22.2%	359.2	365.8	6.5	1.8%
23.5%	355.2	356.8	1.7	0.5%
24.7%	354.9	338.1	-16.8	-4.7%
25.9%	346.0	337.9	-8.1	-2.3%
27.2%	332.3	335.2	2.8	0.9%
28.4%	328.3	333.1	4.8	1.5%
29.6%	327.0	331.0	4.0	1.2%
30.9%	325.3	329.6	4.3	1.3%
32.1%	324.6	324.7	0.0	0.0%
33.3%	318.2	324.5	6.3	2.0%
34.6%	317.2	322.8	5.6	1.8%
35.8%	315.9	322.6	6.6	2.1%
37.0%	315.7	321.2	5.6	1.8%
38.3%	314.3	317.7	3.4	1.1%
39.5%	311.6	316.7	5.1	1.6%
40.7%	309.3	314.0	4.7	1.5%
42.0%	308.4	313.7	5.3	1.7%
43.2%	306.3	312.9	6.6	2.2%
44.4%	300.2	309.1	9.0	3.0%
45.7%	289.3	306.4	17.1	5.9%
46.9%	285.8	296.9	11.0	3.9%
48.1%	285.8	295.6	9.8	3.4%
49.4%	284.3	286.2	1.8	0.6%
50.6%	283.4	285.7	2.3	0.8%
51.9%	280.1	285.6	5.5	2.0%
53.1%	277.9	283.9	6.1	2.2%
54.3%	277.5	281.4	3.9	1.4%
55.6%	273.9	277.8	3.9	1.4%
56.8%	272.9	275.1	2.2	0.8%
58.0%	271.6	272.2	0.6	0.2%
59.3%	265.0	269.4	4.4	1.7%
60.5%	264.2	269.4	5.2	2.0%
61.7%	263.6	267.1	3.5	1.3%
63.0%	263.6	266.3	2.8	1.1%
64.2%	262.6	263.2	0.7	0.3%
65.4%	262.5	259.3	-3.2	-1.2%
66.7%	261.4	259.3	-2.1	-0.8%
67.9%	252.1	257.7	5.6	2.2%
69.1%	249.9	253.9	4.0	1.6%
70.4%	249.6	252.2	2.6	1.0%
71.6%	249.5	251.7	2.2	0.9%
72.8%	243.7	250.7	7.0	2.9%
74.1%	241.5	249.6	8.1	3.3%
75.3%	240.3	244.5	4.2	1.7%
76.5%	238.9	240.2	1.3	0.5%
77.8%	233.8	239.7	5.9	2.5%
79.0%	233.5	239.1	5.6	2.4%
80.2%	232.5	235.7	3.2	1.4%
81.5%	229.3	233.2	3.8	1.7%
82.7%	227.9	232.7	4.8	2.1%
84.0%	227.0	232.0	4.9	2.2%
85.2%	226.2	230.4	4.2	1.9%
86.4%	224.1	224.2	0.1	0.0%
87.7%	223.9	224.0	0.1	0.0%
88.9%	223.5	223.6	0.1	0.1%
90.1%	220.9	221.1	0.2	0.1%
91.4%	219.6	219.7	0.1	0.0%
92.6%	219.0	218.4	-0.6	-0.3%
93.8%	218.5	218.4	-0.1	-0.1%
95.1%	217.4	215.0	-2.5	-1.1%
96.3%	215.0	214.4	-0.5	-0.3%
97.5%	214.3	214.3	0.0	0.0%
98.8%	212.6	214.1	1.5	0.7%
100.0%	192.8	193.3	0.5	0.3%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	543.9	544.5	0.6	0.1%
1.2%	480.9	472.7	-8.2	-1.7%
2.5%	464.3	466.4	2.1	0.4%
3.7%	461.3	457.5	-3.8	-0.8%
4.9%	459.6	425.6	-34.0	-7.4%
6.2%	417.3	424.7	7.4	1.8%
7.4%	416.3	418.0	1.7	0.4%
8.6%	412.1	413.9	1.8	0.4%
9.9%	411.0	412.2	1.2	0.3%
11.1%	403.6	402.6	-1.1	-0.3%
12.3%	401.9	398.8	-3.2	-0.8%
13.6%	380.8	391.4	10.5	2.8%
14.8%	378.1	385.3	7.2	1.9%
16.0%	373.9	383.3	9.3	2.5%
17.3%	373.2	377.6	4.4	1.2%
18.5%	369.2	375.9	6.7	1.8%
19.8%	369.2	375.3	6.1	1.7%
21.0%	368.8	369.3	0.5	0.1%
22.2%	366.1	366.7	0.6	0.2%
23.5%	364.6	366.5	2.0	0.5%
24.7%	363.5	364.6	1.2	0.3%
25.9%	363.2	363.9	0.7	0.2%
27.2%	361.9	361.5	-0.4	-0.1%
28.4%	354.5	361.4	6.9	1.9%
29.6%	351.4	355.0	3.6	1.0%
30.9%	346.1	347.0	0.9	0.3%
32.1%	345.4	345.5	0.1	0.0%
33.3%	340.9	343.5	2.6	0.8%
34.6%	339.1	342.5	3.3	1.0%
35.8%	337.7	338.9	1.1	0.3%
37.0%	336.4	337.9	1.5	0.4%
38.3%	335.4	332.6	-2.8	-0.8%
39.5%	333.1	332.5	-0.5	-0.2%
40.7%	332.9	330.0	-2.9	-0.9%
42.0%	329.5	329.7	0.1	0.0%
43.2%	329.5	329.6	0.1	0.0%
44.4%	328.9	327.7	-1.2	-0.4%
45.7%	326.7	326.5	-0.2	0.0%
46.9%	326.5	326.4	0.0	0.0%
48.1%	325.1	324.4	-0.7	-0.2%
49.4%	323.8	323.0	-0.7	-0.2%
50.6%	322.6	322.8	0.1	0.0%
51.9%	322.1	318.6	-3.5	-1.1%
53.1%	320.5	314.6	-5.9	-1.8%
54.3%	318.6	313.6	-5.0	-1.6%
55.6%	313.6	307.0	-6.7	-2.1%
56.8%	311.3	305.9	-5.4	-1.7%
58.0%	309.5	305.9	-3.6	-1.2%
59.3%	301.2	301.4	0.2	0.1%
60.5%	299.8	301.4	1.6	0.5%
61.7%	297.2	300.5	3.3	1.1%
63.0%	297.0	299.9	2.8	0.9%
64.2%	296.6	296.2	-0.4	-0.1%
65.4%	296.5	296.2	-0.4	-0.1%
66.7%	295.8	292.6	-3.2	-1.1%
67.9%	292.2	292.5	0.3	0.1%
69.1%	292.2	287.4	-4.7	-1.6%
70.4%	287.4	286.4	-1.0	-0.3%
71.6%	284.0	284.2	0.2	0.1%
72.8%	282.8	282.9	0.1	0.1%
74.1%	282.3	282.8	0.5	0.2%
75.3%	278.3	282.4	4.1	1.5%
76.5%	274.9	279.5	4.6	1.7%
77.8%	274.9	275.0	0.1	0.0%
79.0%	273.7	273.9	0.2	0.1%
80.2%	271.4	273.5	2.1	0.8%
81.5%	271.3	271.4	0.1	0.0%
82.7%	265.8	266.0	0.3	0.1%
84.0%	264.9	265.5	0.6	0.2%
85.2%	264.3	263.6	-0.7	-0.3%
86.4%	261.2	261.3	0.1	0.1%
87.7%	258.4	260.2	1.8	0.7%
88.9%	257.1	257.4	0.3	0.1%
90.1%	247.5	247.6	0.1	0.0%
91.4%	232.1	232.1	0.0	0.0%
92.6%	224.5	225.3	0.9	0.4%
93.8%	223.6	224.0	0.4	0.2%
95.1%	217.8	217.5	-0.2	-0.1%
96.3%	212.6	208.4	-4.2	-2.0%
97.5%	204.2	203.9	-0.3	-0.1%
98.8%	178.6	179.9	1.3	0.7%
100.0%	175.9	179.5	3.5	2.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	474.4	471.4	-3.0	-0.6%
1.2%	446.5	425.0	-21.5	-4.8%
2.5%	446.3	415.3	-31.0	-6.9%
3.7%	411.6	411.5	-0.1	0.0%
4.9%	407.8	397.7	-10.1	-2.5%
6.2%	400.8	388.6	-12.2	-3.0%
7.4%	392.4	382.6	-9.8	-2.5%
8.6%	384.7	382.1	-2.6	-0.7%
9.9%	384.6	382.1	-2.5	-0.7%
11.1%	377.7	375.5	-2.1	-0.6%
12.3%	376.9	375.5	-1.3	-0.4%
13.6%	374.4	371.3	-3.1	-0.8%
14.8%	373.3	366.0	-7.3	-1.9%
16.0%	368.7	362.5	-6.2	-1.7%
17.3%	367.0	356.8	-10.2	-2.8%
18.5%	366.7	355.6	-11.1	-3.0%
19.8%	356.9	355.4	-1.5	-0.4%
21.0%	355.7	354.0	-1.7	-0.5%
22.2%	355.2	352.7	-2.5	-0.7%
23.5%	354.4	347.6	-6.8	-1.9%
24.7%	353.9	347.4	-6.4	-1.8%
25.9%	351.0	344.1	-6.9	-2.0%
27.2%	348.1	343.2	-4.9	-1.4%
28.4%	347.9	343.0	-4.9	-1.4%
29.6%	347.1	342.8	-4.3	-1.2%
30.9%	344.0	341.0	-3.0	-0.9%
32.1%	343.3	340.3	-3.0	-0.9%
33.3%	342.1	339.2	-2.9	-0.8%
34.6%	338.6	338.8	0.2	0.1%
35.8%	334.8	334.4	-0.4	-0.1%
37.0%	333.9	334.4	0.5	0.1%
38.3%	332.1	330.4	-1.6	-0.5%
39.5%	332.0	330.4	-1.6	-0.5%
40.7%	332.0	329.0	-3.0	-0.9%
42.0%	331.1	328.1	-2.9	-0.9%
43.2%	330.4	328.0	-2.4	-0.7%
44.4%	328.7	327.4	-1.3	-0.4%
45.7%	325.1	327.0	2.0	0.6%
46.9%	324.6	325.5	0.9	0.3%
48.1%	323.0	325.3	2.3	0.7%
49.4%	321.9	324.3	2.4	0.7%
50.6%	320.3	324.3	4.0	1.2%
51.9%	319.6	323.4	3.8	1.2%
53.1%	317.3	320.4	3.1	1.0%
54.3%	315.8	318.3	2.5	0.8%
55.6%	315.7	316.6	0.9	0.3%
56.8%	311.1	315.3	4.1	1.3%
58.0%	310.6	311.4	0.7	0.2%
59.3%	310.1	311.2	1.1	0.4%
60.5%	309.5	310.4	0.9	0.3%
61.7%	308.0	309.3	1.3	0.4%
63.0%	306.6	308.1	1.5	0.5%
64.2%	306.5	306.6	0.1	0.0%
65.4%	303.5	306.6	3.1	1.0%
66.7%	303.3	304.6	1.4	0.4%
67.9%	302.4	302.3	-0.1	0.0%
69.1%	302.2	302.2	0.0	0.0%
70.4%	301.5	299.4	-2.1	-0.7%
71.6%	298.4	299.2	0.8	0.3%
72.8%	297.6	295.5	-2.1	-0.7%
74.1%	295.3	295.4	0.1	0.0%
75.3%	294.8	295.0	0.2	0.1%
76.5%	292.9	290.5	-2.4	-0.8%
77.8%	290.0	290.5	0.4	0.2%
79.0%	287.4	290.3	2.9	1.0%
80.2%	287.1	287.5	0.4	0.1%
81.5%	280.5	282.2	1.8	0.6%
82.7%	279.2	279.1	-0.1	0.0%
84.0%	278.1	278.2	0.0	0.0%
85.2%	266.1	266.8	0.8	0.3%
86.4%	253.7	254.2	0.5	0.2%
87.7%	245.9	246.0	0.2	0.1%
88.9%	221.4	222.1	0.7	0.3%
90.1%	200.4	200.9	0.6	0.3%
91.4%	200.3	200.8	0.5	0.2%
92.6%	200.2	200.7	0.5	0.3%
93.8%	198.9	200.1	1.2	0.6%
95.1%	194.1	194.2	0.1	0.0%
96.3%	188.2	188.9	0.7	0.4%
97.5%	184.3	185.3	1.0	0.5%
98.8%	177.0	178.2	1.2	0.7%
100.0%	173.0	173.3	0.3	0.2%

Table SQ-27-b

Old River at Rock Slough, Monthly EC
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	637.3	640.2	2.9	0.5%
1.2%	603.9	592.7	-11.1	-1.8%
2.5%	551.8	535.3	-16.4	-3.0%
3.7%	537.9	530.5	-7.4	-1.4%
4.9%	350.5	350.9	0.4	0.1%
6.2%	345.7	345.1	-0.6	-0.2%
7.4%	343.2	343.8	0.6	0.2%
8.6%	340.4	338.5	-1.9	-0.6%
9.9%	334.0	324.6	-9.4	-2.8%
11.1%	329.4	324.6	-4.9	-1.5%
12.3%	328.7	321.1	-7.7	-2.3%
13.6%	323.7	307.6	-16.1	-5.0%
14.8%	320.3	307.2	-13.1	-4.1%
16.0%	310.7	300.9	-9.8	-3.1%
17.3%	305.0	299.7	-5.3	-1.8%
18.5%	304.7	298.7	-6.0	-2.0%
19.8%	303.9	297.0	-6.9	-2.3%
21.0%	303.0	294.7	-8.3	-2.7%
22.2%	299.4	292.4	-6.9	-2.3%
23.5%	299.3	291.4	-7.9	-2.6%
24.7%	296.7	290.8	-5.9	-2.0%
25.9%	295.8	289.7	-6.0	-2.0%
27.2%	294.4	289.3	-5.2	-1.8%
28.4%	294.3	288.6	-5.8	-2.0%
29.6%	292.4	287.0	-5.5	-1.9%
30.9%	291.9	286.6	-5.3	-1.8%
32.1%	290.1	285.9	-4.3	-1.5%
33.3%	289.3	285.7	-3.6	-1.2%
34.6%	287.3	285.1	-2.2	-0.8%
35.8%	284.9	284.9	0.0	0.0%
37.0%	284.4	282.3	-2.2	-0.8%
38.3%	284.2	280.1	-4.1	-1.4%
39.5%	283.3	278.8	-4.5	-1.6%
40.7%	282.1	277.5	-4.6	-1.6%
42.0%	280.0	277.4	-2.6	-0.9%
43.2%	279.2	276.8	-2.4	-0.9%
44.4%	277.8	276.7	-1.1	-0.4%
45.7%	276.2	274.5	-1.6	-0.6%
46.9%	275.8	274.3	-1.5	-0.5%
48.1%	274.7	273.5	-1.2	-0.4%
49.4%	274.0	272.8	-1.1	-0.4%
50.6%	273.3	266.2	-7.1	-2.6%
51.9%	271.9	265.4	-6.5	-2.4%
53.1%	263.6	263.8	0.1	0.1%
54.3%	262.9	262.4	-0.5	-0.2%
55.6%	262.4	261.5	-1.0	-0.4%
56.8%	260.8	260.7	-0.1	0.0%
58.0%	259.5	260.3	0.8	0.3%
59.3%	259.1	258.4	-0.7	-0.3%
60.5%	258.2	257.9	-0.3	-0.1%
61.7%	255.4	256.9	1.5	0.6%
63.0%	254.1	256.3	2.3	0.9%
64.2%	253.9	254.2	0.3	0.1%
65.4%	253.8	254.1	0.4	0.1%
66.7%	252.9	253.2	0.4	0.1%
67.9%	252.8	253.1	0.3	0.1%
69.1%	251.6	253.0	1.3	0.5%
70.4%	251.0	251.3	0.3	0.1%
71.6%	250.9	251.2	0.3	0.1%
72.8%	250.8	251.2	0.4	0.1%
74.1%	250.7	250.8	0.1	0.0%
75.3%	250.0	249.7	-0.3	-0.1%
76.5%	246.9	247.0	0.1	0.0%
77.8%	246.7	246.8	0.1	0.1%
79.0%	246.3	246.3	0.0	0.0%
80.2%	241.2	241.5	0.3	0.1%
81.5%	240.8	241.2	0.4	0.2%
82.7%	240.8	241.1	0.3	0.1%
84.0%	240.4	241.0	0.6	0.2%
85.2%	240.4	240.0	-0.4	-0.2%
86.4%	239.6	238.0	-1.6	-0.7%
87.7%	238.5	237.3	-1.1	-0.5%
88.9%	237.9	236.2	-1.8	-0.7%
90.1%	236.2	236.0	-0.3	-0.1%
91.4%	235.3	235.6	0.3	0.1%
92.6%	232.0	230.1	-1.9	-0.8%
93.8%	228.4	227.4	-1.0	-0.4%
95.1%	228.0	226.7	-1.3	-0.6%
96.3%	212.9	212.6	-0.3	-0.1%
97.5%	205.5	205.8	0.3	0.2%
98.8%	202.4	202.5	0.0	0.0%
100.0%	201.5	202.0	0.5	0.3%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	775.6	708.7	-66.9	-8.6%
1.2%	706.0	698.7	-7.3	-1.0%
2.5%	667.3	666.8	-0.5	-0.1%
3.7%	652.1	663.4	11.2	1.7%
4.9%	650.7	580.2	-70.5	-10.8%
6.2%	586.8	498.6	-88.2	-15.0%
7.4%	456.5	469.9	13.4	2.9%
8.6%	439.4	439.4	0.0	0.0%
9.9%	430.4	429.8	-0.6	-0.1%
11.1%	425.6	423.4	-2.1	-0.5%
12.3%	416.5	420.4	3.9	0.9%
13.6%	413.4	418.6	5.2	1.3%
14.8%	410.6	416.3	5.7	1.4%
16.0%	409.9	410.4	0.5	0.1%
17.3%	401.5	408.0	6.6	1.6%
18.5%	399.2	406.3	7.0	1.8%
19.8%	399.1	405.5	6.4	1.6%
21.0%	393.0	401.5	8.5	2.2%
22.2%	392.9	394.9	1.9	0.5%
23.5%	390.6	394.4	3.7	1.0%
24.7%	386.6	393.8	7.2	1.9%
25.9%	379.0	392.4	13.5	3.6%
27.2%	374.2	385.4	11.2	3.0%
28.4%	371.8	376.3	4.5	1.2%
29.6%	357.1	372.8	15.7	4.4%
30.9%	350.2	371.0	20.8	5.9%
32.1%	346.8	370.1	23.4	6.7%
33.3%	338.6	355.3	16.7	4.9%
34.6%	330.1	352.3	22.3	6.7%
35.8%	328.7	333.5	4.8	1.5%
37.0%	327.9	328.6	0.7	0.2%
38.3%	326.3	315.2	-11.1	-3.4%
39.5%	323.5	313.8	-9.7	-3.0%
40.7%	318.5	313.6	-4.9	-1.5%
42.0%	313.6	313.0	-0.7	-0.2%
43.2%	307.8	305.5	-2.3	-0.7%
44.4%	302.9	296.8	-6.1	-2.0%
45.7%	296.3	295.5	-0.8	-0.3%
46.9%	295.4	295.4	0.0	0.0%
48.1%	293.0	290.7	-2.2	-0.8%
49.4%	288.3	287.2	-1.1	-0.4%
50.6%	287.1	286.4	-0.7	-0.2%
51.9%	286.5	285.7	-0.8	-0.3%
53.1%	282.8	285.1	2.3	0.8%
54.3%	277.2	284.6	7.4	2.7%
55.6%	275.7	281.0	5.4	2.0%
56.8%	273.7	276.0	2.4	0.9%
58.0%	271.5	275.3	3.8	1.4%
59.3%	262.3	268.9	6.6	2.5%
60.5%	259.8	259.5	-0.2	-0.1%
61.7%	255.6	253.2	-2.4	-0.9%
63.0%	247.4	247.0	-0.4	-0.2%
64.2%	245.9	245.3	-0.6	-0.3%
65.4%	243.8	243.2	-0.6	-0.2%
66.7%	243.1	242.9	-0.2	-0.1%
67.9%	242.3	242.0	-0.3	-0.1%
69.1%	242.3	240.2	-2.1	-0.9%
70.4%	241.2	240.2	-1.1	-0.4%
71.6%	240.5	240.0	-0.6	-0.2%
72.8%	240.3	239.8	-0.6	-0.2%
74.1%	240.3	238.7	-1.6	-0.7%
75.3%	240.1	237.7	-2.4	-1.0%
76.5%	239.1	236.8	-2.3	-1.0%
77.8%	238.1	236.5	-1.5	-0.6%
79.0%	237.4	235.6	-1.8	-0.8%
80.2%	235.5	235.3	-0.2	-0.1%
81.5%	235.2	235.0	-0.3	-0.1%
82.7%	234.9	234.2	-0.7	-0.3%
84.0%	234.8	233.8	-1.0	-0.4%
85.2%	234.3	233.2	-1.1	-0.5%
86.4%	232.7	232.5	-0.2	-0.1%
87.7%	232.3	232.4	0.0	0.0%
88.9%	232.0	231.6	-0.4	-0.2%
90.1%	231.7	231.3	-0.4	-0.2%
91.4%	230.5	229.6	-1.0	-0.4%
92.6%	229.6	229.3	-0.3	-0.1%
93.8%	229.2	228.1	-1.2	-0.5%
95.1%	224.2	225.1	0.9	0.4%
96.3%	224.0	224.1	0.1	0.0%
97.5%	220.5	220.1	-0.5	-0.2%
98.8%	217.1	218.3	1.2	0.6%
100.0%	208.6	209.2	0.6	0.3%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	935.7	921.9	-13.8	-1.5%
1.2%	884.7	814.6	-70.1	-7.9%
2.5%	803.4	805.8	2.4	0.3%
3.7%	750.8	792.1	41.3	5.5%
4.9%	725.6	698.2	-27.5	-3.8%
6.2%	723.5	685.9	-37.6	-5.2%
7.4%	667.5	673.4	6.0	0.9%
8.6%	660.0	659.2	-0.8	-0.1%
9.9%	644.4	653.6	9.2	1.4%
11.1%	635.1	631.7	-3.3	-0.5%
12.3%	610.2	609.0	-1.1	-0.2%
13.6%	609.4	602.5	-6.9	-1.1%
14.8%	601.0	599.6	-1.4	-0.2%
16.0%	593.6	590.4	-3.1	-0.5%
17.3%	584.7	589.0	4.3	0.7%
18.5%	581.2	586.0	4.8	0.8%
19.8%	561.9	574.1	12.1	2.2%
21.0%	557.9	570.4	12.5	2.2%
22.2%	555.0	567.6	12.6	2.3%
23.5%	547.2	562.4	15.2	2.8%
24.7%	534.8	555.8	21.0	3.9%
25.9%	520.9	552.1	31.1	6.0%
27.2%	515.1	541.0	25.9	5.0%
28.4%	510.2	538.7	28.5	5.6%
29.6%	495.6	526.9	31.3	6.3%
30.9%	492.2	496.2	4.0	0.8%
32.1%	485.0	488.0	3.1	0.6%
33.3%	473.1	481.4	8.3	1.8%
34.6%	454.5	464.5	10.0	2.2%
35.8%	443.6	463.8	20.2	4.6%
37.0%	433.0	455.7	22.7	5.2%
38.3%	432.0	449.4	17.4	4.0%
39.5%	429.6	436.8	7.2	1.7%
40.7%	427.4	434.5	7.1	1.7%
42.0%	422.0	433.3	11.3	2.7%
43.2%	418.7	425.6	6.8	1.6%
44.4%	411.2	421.4	10.2	2.5%
45.7%	409.3	415.9	6.6	1.6%
46.9%	408.3	407.4	-0.9	-0.2%
48.1%	403.3	406.9	3.5	0.9%
49.4%	401.1	400.0	-1.1	-0.3%
50.6%	400.1	398.8	-1.3	-0.3%
51.9%	398.8	398.6	-0.3	-0.1%
53.1%	378.1	397.8	19.7	5.2%
54.3%	377.8	397.5	19.6	5.2%
55.6%	376.2	395.5	19.3	5.1%
56.8%	376.1	386.1	10.0	2.6%
58.0%	374.7	383.8	9.2	2.4%
59.3%	370.9	381.5	10.6	2.9%
60.5%	368.8	376.0	7.2	2.0%
61.7%	367.0	375.5	8.6	2.3%
63.0%	366.6	369.3	2.7	0.7%
64.2%	366.6	363.1	-3.5	-0.9%
65.4%	361.2	359.4	-1.8	-0.5%
66.7%	356.8	355.0	-1.7	-0.5%
67.9%	351.7	353.0	1.3	0.4%
69.1%	343.5	349.4	5.9	1.7%
70.4%	341.2	341.1	-0.1	0.0%
71.6%	331.1	339.6	8.6	2.6%
72.8%	328.6	338.9	10.4	3.2%
74.1%	327.5	338.8	11.3	3.5%
75.3%	326.2	337.9	11.7	3.6%
76.5%	325.5	336.2	10.7	3.3%
77.8%	320.8	332.7	11.9	3.7%
79.0%	319.6	327.8	8.2	2.6%
80.2%	317.8	319.8	2.0	0.6%
81.5%	317.3	318.1	0.8	0.3%
82.7%	315.0	314.9	-0.1	0.0%
84.0%	314.5	314.4	-0.1	0.0%
85.2%	310.8	311.7	0.9	0.3%
86.4%	310.7	310.8	0.1	0.0%
87.7%	297.0	307.2	10.2	3.4%
88.9%	292.8	299.3	6.4	2.2%
90.1%	290.8	298.9	8.1	2.8%
91.4%	290.8	296.5	5.7	2.0%
92.6%	289.3	296.3	7.1	2.4%
93.8%	288.8	295.2	6.4	2.2%
95.1%	285.1	288.9	3.8	1.4%
96.3%	279.3	283.0	3.7	1.3%
97.5%	274.5	279.4	5.0	1.8%
98.8%	268.8	270.7	2.0	0.7%
100.0%	254.3	252.2	-2.2	-0.8%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	968.9	899.4	-69.6	-7.2%
1.2%	930.8	893.8	-37.0	-4.0%
2.5%	924.7	888.1	-36.6	-4.0%
3.7%	879.8	877.4	-2.4	-0.3%
4.9%	877.6	874.5	-3.2	-0.4%
6.2%	875.3	860.2	-15.1	-1.7%
7.4%	874.3	848.0	-26.3	-3.0%
8.6%	863.8	841.2	-22.6	-2.6%
9.9%	861.6	840.5	-21.1	-2.5%
11.1%	856.4	833.7	-22.7	-2.7%
12.3%	852.8	821.8	-31.0	-3.6%
13.6%	850.9	820.9	-30.0	-3.5%
14.8%	850.0	820.3	-29.7	-3.5%
16.0%	842.5	820.0	-22.5	-2.7%
17.3%	830.0	818.2	-11.8	-1.4%
18.5%	828.8	806.8	-21.9	-2.6%
19.8%	825.2	803.4	-21.8	-2.6%
21.0%	824.9	803.4	-21.5	-2.6%
22.2%	819.2	800.3	-18.9	-2.3%
23.5%	816.9	791.5	-25.4	-3.1%
24.7%	813.6	791.4	-22.2	-2.7%
25.9%	813.3	780.5	-32.8	-4.0%
27.2%	809.2	766.6	-42.6	-5.3%
28.4%	805.1	748.1	-57.0	-7.1%
29.6%	804.9	747.9	-57.0	-7.1%
30.9%	803.6	744.1	-59.6	-7.4%
32.1%	800.0	743.0	-57.0	-7.1%
33.3%	781.1	741.3	-39.8	-5.1%
34.6%	765.1	732.8	-32.2	-4.2%
35.8%	754.5	725.9	-28.6	-3.8%
37.0%	728.2	725.5	-2.7	-0.4%
38.3%	726.3	721.8	-4.6	-0.6%
39.5%	721.2	709.0	-12.2	-1.7%
40.7%	706.3	692.3	-14.0	-2.0%
42.0%	701.5	688.0	-13.5	-1.9%
43.2%	654.1	676.5	22.4	3.4%
44.4%	646.8	656.4	9.6	1.5%
45.7%	645.6	654.0	8.4	1.3%
46.9%	631.9	638.1	6.2	1.0%
48.1%	630.2	638.0	7.8	1.2%
49.4%	626.0	629.0	3.0	0.5%
50.6%	610.0	627.7	17.7	2.9%
51.9%	610.0	622.6	12.6	2.1%
53.1%	603.0	618.3	15.3	2.5%
54.3%	602.0	617.1	15.1	2.5%
55.6%	597.1	598.5	1.4	0.2%
56.8%	596.4	595.4	-1.0	-0.2%
58.0%	588.3	595.0	6.7	1.1%
59.3%	576.2	588.2	12.0	2.1%
60.5%	575.1	577.3	2.3	0.4%
61.7%	555.9	562.0	6.1	1.1%
63.0%	555.0	560.2	5.2	0.9%
64.2%	548.8	558.7	9.9	1.8%
65.4%	543.2	548.6	5.4	1.0%
66.7%	541.5	547.8	6.3	1.2%
67.9%	540.1	544.4	4.3	0.8%
69.1%	537.6	542.3	4.8	0.9%
70.4%	537.0	542.0	4.9	0.9%
71.6%	531.0	541.2	10.2	1.9%
72.8%	529.4	540.6	11.2	2.1%
74.1%	527.6	526.6	-1.0	-0.2%
75.3%	521.3	521.7	0.4	0.1%
76.5%	513.7	513.1	-0.6	-0.1%
77.8%	509.0	485.1	-23.9	-4.7%
79.0%	507.1	474.5	-32.6	-6.4%
80.2%	493.1	459.5	-33.6	-6.8%
81.5%	480.1	456.9	-23.2	-4.8%
82.7%	476.3	455.1	-21.2	-4.5%
84.0%	467.7	448.7	-19.1	-4.1%
85.2%	459.4	445.0	-14.4	-3.1%
86.4%	457.8	444.4	-13.5	-2.9%
87.7%	454.4	442.9	-11.5	-2.5%
88.9%	443.0	441.9	-1.0	-0.2%
90.1%	417.7	434.7	16.9	4.0%
91.4%	407.7	419.0	11.3	2.8%
92.6%	403.2	413.3	10.1	2.5%
93.8%	400.8	412.3	11.6	2.9%
95.1%	400.2	407.9	7.6	1.9%
96.3%	388.3	407.2	18.9	4.9%
97.5%	379.3	400.3	21.0	5.5%
98.8%	371.2	376.5	5.3	1.4%
100.0%	367.7	372.5	4.9	1.3%

Figure SQ-28-b
North Bay Aqueduct Intake (Barker Slough), Monthly EC
Probability of Exceedance

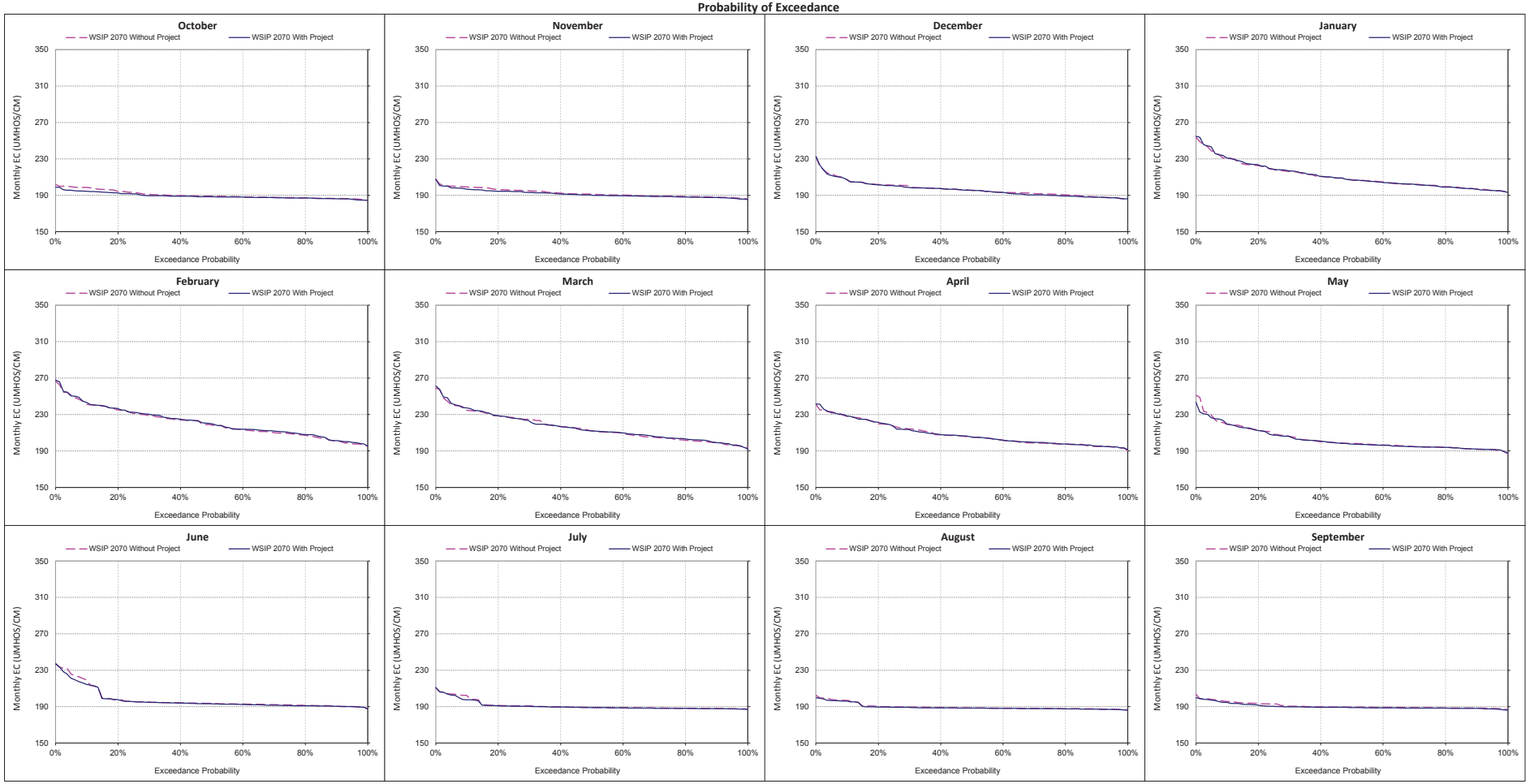


Table SQ-28-b

North Bay Aqueduct Intake (Barker Slough), Monthly EC

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	201.8	198.8	-3.0	-1.5%
1.2%	199.9	198.6	-1.3	-0.7%
2.5%	199.9	196.2	-3.7	-1.9%
3.7%	199.6	195.7	-4.0	-2.0%
4.9%	199.5	195.4	-4.1	-2.1%
6.2%	198.7	194.8	-3.9	-2.0%
7.4%	198.7	194.7	-4.0	-2.0%
8.6%	198.6	194.5	-4.0	-2.0%
9.9%	198.6	194.5	-4.1	-2.1%
11.1%	198.1	194.2	-3.9	-2.0%
12.3%	197.4	194.0	-3.4	-1.7%
13.6%	196.6	193.8	-2.9	-1.5%
14.8%	196.4	193.4	-3.0	-1.5%
16.0%	196.3	193.1	-3.1	-1.6%
17.3%	196.0	193.0	-2.9	-1.5%
18.5%	195.8	192.8	-3.0	-1.6%
19.8%	194.5	192.7	-1.8	-0.9%
21.0%	194.4	191.9	-2.5	-1.3%
22.2%	194.0	191.9	-2.1	-1.1%
23.5%	193.3	191.9	-1.5	-0.8%
24.7%	193.3	191.7	-1.6	-0.8%
25.9%	192.8	191.5	-1.3	-0.7%
27.2%	192.0	190.3	-1.7	-0.9%
28.4%	191.4	189.7	-1.6	-0.8%
29.6%	191.2	189.6	-1.6	-0.8%
30.9%	190.7	189.5	-1.2	-0.6%
32.1%	190.6	189.5	-1.2	-0.6%
33.3%	190.4	189.4	-0.9	-0.5%
34.6%	190.3	189.4	-0.9	-0.5%
35.8%	190.0	189.2	-0.9	-0.5%
37.0%	189.9	189.1	-0.8	-0.4%
38.3%	189.7	189.1	-0.6	-0.3%
39.5%	189.6	189.0	-0.7	-0.4%
40.7%	189.5	188.9	-0.6	-0.3%
42.0%	189.5	188.9	-0.7	-0.3%
43.2%	189.3	188.8	-0.4	-0.2%
44.4%	189.3	188.7	-0.5	-0.3%
45.7%	189.1	188.5	-0.6	-0.3%
46.9%	189.1	188.4	-0.6	-0.3%
48.1%	189.0	188.4	-0.6	-0.3%
49.4%	189.0	188.4	-0.6	-0.3%
50.6%	188.9	188.3	-0.7	-0.3%
51.9%	188.9	188.2	-0.7	-0.4%
53.1%	188.9	188.2	-0.7	-0.4%
54.3%	188.8	188.2	-0.6	-0.3%
55.6%	188.5	188.2	-0.4	-0.2%
56.8%	188.5	188.0	-0.5	-0.3%
58.0%	188.4	188.0	-0.4	-0.2%
59.3%	188.3	188.0	-0.3	-0.2%
60.5%	188.2	187.9	-0.3	-0.2%
61.7%	188.0	187.8	-0.2	-0.1%
63.0%	187.9	187.7	-0.2	-0.1%
64.2%	187.9	187.6	-0.3	-0.2%
65.4%	187.9	187.6	-0.3	-0.2%
66.7%	187.9	187.6	-0.3	-0.2%
67.9%	187.8	187.4	-0.4	-0.2%
69.1%	187.8	187.4	-0.4	-0.2%
70.4%	187.6	187.3	-0.3	-0.1%
71.6%	187.6	187.3	-0.3	-0.1%
72.8%	187.5	187.1	-0.4	-0.2%
74.1%	187.5	187.1	-0.4	-0.2%
75.3%	187.4	187.0	-0.4	-0.2%
76.5%	187.4	187.0	-0.4	-0.2%
77.8%	187.3	187.0	-0.3	-0.2%
79.0%	187.2	187.0	-0.3	-0.1%
80.2%	187.2	186.9	-0.3	-0.1%
81.5%	186.8	186.9	0.1	0.0%
82.7%	186.7	186.6	-0.1	-0.1%
84.0%	186.7	186.5	-0.2	-0.1%
85.2%	186.7	186.4	-0.3	-0.2%
86.4%	186.6	186.3	-0.3	-0.2%
87.7%	186.5	186.3	-0.2	-0.1%
88.9%	186.4	186.3	-0.1	0.0%
90.1%	186.4	186.2	-0.2	-0.1%
91.4%	186.3	186.1	-0.2	-0.1%
92.6%	186.3	186.1	-0.2	-0.1%
93.8%	186.2	186.0	-0.2	-0.1%
95.1%	186.2	185.5	-0.6	-0.3%
96.3%	185.9	185.0	-1.0	-0.5%
97.5%	185.5	184.7	-0.7	-0.4%
98.8%	185.2	184.6	-0.6	-0.3%
100.0%	184.6	184.4	-0.2	-0.1%

November				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	207.7	207.4	-0.3	-0.1%
1.2%	202.3	200.8	-1.5	-0.7%
2.5%	201.3	200.1	-1.1	-0.6%
3.7%	200.2	200.0	-0.2	-0.1%
4.9%	200.1	198.2	-1.9	-0.9%
6.2%	200.0	198.0	-2.0	-1.0%
7.4%	199.6	197.7	-1.9	-1.0%
8.6%	199.4	197.4	-2.0	-1.0%
9.9%	199.1	196.7	-2.5	-1.2%
11.1%	198.7	196.5	-2.3	-1.1%
12.3%	198.7	196.2	-2.5	-1.2%
13.6%	198.6	196.1	-2.5	-1.3%
14.8%	198.6	195.8	-2.7	-1.4%
16.0%	198.3	195.0	-3.3	-1.7%
17.3%	197.7	194.9	-2.8	-1.4%
18.5%	196.8	194.8	-2.0	-1.0%
19.8%	196.3	194.5	-1.7	-0.9%
21.0%	196.1	194.5	-1.7	-0.8%
22.2%	196.0	194.3	-1.7	-0.9%
23.5%	195.8	194.2	-1.5	-0.8%
24.7%	195.5	194.2	-1.3	-0.7%
25.9%	195.4	194.1	-1.3	-0.6%
27.2%	195.3	194.1	-1.2	-0.6%
28.4%	194.9	193.2	-1.7	-0.9%
29.6%	194.9	193.0	-1.9	-1.0%
30.9%	194.6	192.9	-1.7	-0.9%
32.1%	194.6	192.6	-2.0	-1.0%
33.3%	194.4	192.6	-1.8	-0.9%
34.6%	194.2	192.6	-1.6	-0.8%
35.8%	193.3	192.5	-0.8	-0.4%
37.0%	192.9	192.4	-0.5	-0.3%
38.3%	192.9	191.9	-1.0	-0.5%
39.5%	192.5	191.5	-0.9	-0.5%
40.7%	192.1	191.3	-0.7	-0.4%
42.0%	192.0	191.2	-0.8	-0.4%
43.2%	191.5	190.9	-0.6	-0.3%
44.4%	191.5	190.9	-0.6	-0.3%
45.7%	191.4	190.7	-0.6	-0.3%
46.9%	191.3	190.5	-0.9	-0.5%
48.1%	191.3	190.4	-0.9	-0.5%
49.4%	191.3	190.4	-0.9	-0.5%
50.6%	191.1	189.9	-1.1	-0.6%
51.9%	190.8	189.9	-0.8	-0.4%
53.1%	190.7	189.8	-0.9	-0.5%
54.3%	190.6	189.7	-0.9	-0.5%
55.6%	190.5	189.6	-0.9	-0.4%
56.8%	190.3	189.6	-0.7	-0.4%
58.0%	190.3	189.5	-0.8	-0.4%
59.3%	190.2	189.5	-0.8	-0.4%
60.5%	190.1	189.4	-0.8	-0.4%
61.7%	190.1	189.2	-0.9	-0.5%
63.0%	190.0	189.2	-0.8	-0.4%
64.2%	189.6	189.2	-0.4	-0.2%
65.4%	189.5	189.1	-0.4	-0.2%
66.7%	189.4	189.0	-0.4	-0.2%
67.9%	189.3	188.9	-0.4	-0.2%
69.1%	189.2	188.8	-0.4	-0.2%
70.4%	189.2	188.8	-0.4	-0.2%
71.6%	189.2	188.8	-0.4	-0.2%
72.8%	189.1	188.7	-0.4	-0.2%
74.1%	189.1	188.6	-0.5	-0.3%
75.3%	189.0	188.6	-0.5	-0.2%
76.5%	189.0	188.4	-0.6	-0.3%
77.8%	188.9	188.2	-0.8	-0.4%
79.0%	188.9	188.0	-0.8	-0.4%
80.2%	188.5	188.0	-0.4	-0.2%
81.5%	188.4	187.9	-0.5	-0.3%
82.7%	188.4	187.9	-0.5	-0.3%
84.0%	188.4	187.9	-0.5	-0.2%
85.2%	188.3	187.7	-0.6	-0.3%
86.4%	188.3	187.6	-0.7	-0.4%
87.7%	188.2	187.5	-0.6	-0.3%
88.9%	188.0	187.5	-0.5	-0.3%
90.1%	187.8	187.4	-0.4	-0.2%
91.4%	187.8	187.4	-0.4	-0.2%
92.6%	187.7	187.2	-0.5	-0.3%
93.8%	187.6	187.0	-0.7	-0.4%
95.1%	187.4	186.8	-0.6	-0.3%
96.3%	187.0	186.5	-0.5	-0.3%
97.5%	186.7	185.9	-0.8	-0.4%
98.8%	186.3	185.8	-0.4	-0.2%
100.0%	185.9	185.2	-0.7	-0.4%

December				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	232.6	232.7	0.1	0.0%
1.2%	221.6	223.2	1.5	0.7%
2.5%	218.0	217.4	-0.6	-0.3%
3.7%	214.2	213.2	-1.0	-0.5%
4.9%	214.2	211.7	-2.6	-1.2%
6.2%	211.6	210.6	-1.0	-0.5%
7.4%	210.4	210.1	-0.3	-0.1%
8.6%	210.0	209.1	-1.0	-0.5%
9.9%	207.2	207.3	0.1	0.1%
11.1%	204.8	204.7	0.0	0.0%
12.3%	204.7	204.5	-0.1	-0.1%
13.6%	204.5	204.3	-0.2	-0.1%
14.8%	204.1	204.3	0.2	0.1%
16.0%	202.9	202.8	-0.1	-0.1%
17.3%	202.4	202.4	0.0	0.0%
18.5%	202.3	201.8	-0.5	-0.3%
19.8%	201.7	201.5	-0.2	-0.1%
21.0%	201.6	201.3	-0.3	-0.1%
22.2%	201.3	200.8	-0.6	-0.3%
23.5%	201.3	200.6	-0.7	-0.3%
24.7%	201.0	200.5	-0.5	-0.2%
25.9%	201.0	200.2	-0.8	-0.4%
27.2%	200.9	200.0	-0.9	-0.5%
28.4%	200.8	198.9	-1.9	-0.9%
29.6%	200.6	198.7	-1.9	-1.0%
30.9%	198.6	198.1	-0.4	-0.2%
32.1%	198.4	198.1	-0.3	-0.2%
33.3%	198.2	198.0	-0.2	-0.1%
34.6%	198.0	198.0	0.0	0.0%
35.8%	198.0	197.9	-0.1	0.0%
37.0%	197.7	197.7	-0.1	0.0%
38.3%	197.6	197.7	0.1	0.0%
39.5%	197.5	197.6	0.1	0.1%
40.7%	196.9	197.3	0.3	0.2%
42.0%	196.9	196.8	-0.1	-0.1%
43.2%	196.9	196.7	-0.2	-0.1%
44.4%	196.8	196.6	-0.1	-0.1%
45.7%	196.2	196.3	0.2	0.1%
46.9%	196.1	195.9	-0.2	-0.1%
48.1%	196.1	195.5	-0.6	-0.3%
49.4%	195.5	195.4	-0.1	0.0%
50.6%	195.5	195.4	-0.1	0.0%
51.9%	195.4	195.3	0.0	0.0%
53.1%	195.1	194.9	-0.2	-0.1%
54.3%	194.2	194.5	0.4	0.2%
55.6%	193.9	194.4	0.5	0.3%
56.8%	193.9	193.6	-0.2	-0.1%
58.0%	193.7	193.3	-0.4	-0.2%
59.3%	193.2	193.2	0.0	0.0%
60.5%	193.1	193.0	-0.1	0.0%
61.7%	193.0	192.0	-1.0	-0.5%
63.0%	192.9	191.8	-1.0	-0.5%
64.2%	192.8	191.6	-1.3	-0.7%
65.4%	192.8	191.4	-1.4	-0.7%
66.7%	192.6	191.0	-1.6	-0.8%
67.9%	192.6	190.5	-2.1	-1.1%
69.1%	192.2	190.5	-1.7	-0.9%
70.4%	191.7	190.4	-1.3	-0.7%
71.6%	191.6	190.4	-1.3	-0.7%
72.8%	191.6	190.3	-1.3	-0.7%
74.1%	191.5	190.0	-1.5	-0.8%
75.3%	191.2	189.9	-1.3	-0.7%
76.5%	191.2	189.8	-1.3	-0.7%
77.8%	190.7	189.6	-1.1	-0.6%
79.0%	190.6	189.4	-1.2	-0.6%
80.2%	190.3	189.3	-1.1	-0.6%
81.5%	190.2	189.0	-1.2	-0.6%
82.7%	190.2	189.0	-1.2	-0.6%
84.0%	189.8	188.7	-1.1	-0.6%
85.2%	189.3	188.3	-1.0	-0.5%
86.4%	188.7	188.2	-0.5	-0.3%
87.7%	188.7	188.0	-0.7	-0.4%
88.9%	188.3	188.0	-0.3	-0.2%
90.1%	188.2	187.8	-0.4	-0.2%
91.4%	187.8	187.7	-0.1	-0.1%
92.6%	187.6	187.4	-0.1	-0.1%
93.8%	187.6	187.2	-0.3	-0.2%
95.1%	187.2	187.2	0.0	0.0%
96.3%	187.2	187.2	0.0	0.0%
97.5%	186.5	186.3	-0.2	-0.1%
98.8%	186.0	186.1	0.1	0.1%
100.0%	185.8	186.0	0.2	0.1%

January				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	253.6	254.9	1.2	0.5%
1.2%	248.9	253.9	4.9	2.0%
2.5%	245.7	245.5	-0.3	-0.1%
3.7%	243.3	244.4	1.0	0.4%
4.9%	238.9	243.2	4.4	1.8%
6.2%	236.8	235.8	-1.0	-0.4%
7.4%	234.6	234.2	-0.4	-0.2%
8.6%	230.9	233.7	2.8	1.2%
9.9%	230.4	231.0	0.6	0.3%
11.1%	230.2	230.7	0.5	0.2%
12.3%	229.7	229.3	-0.4	-0.2%
13.6%	226.3	228.0	1.6	0.7%
14.8%	224.7	226.9	2.3	1.0%
16.0%	223.8	224.8	1.0	0.4%
17.3%	223.7	224.2	0.5	0.2%
18.5%	223.3	223.7	0.5	0.2%
19.8%	222.6	223.7	1.0	0.5%
21.0%	221.9	222.1	0.1	0.1%
22.2%	221.5	221.9	0.4	0.2%
23.5%	219.1	219.6	0.4	0.2%
24.7%	218.6	218.5	-0.1	0.0%
25.9%	217.5	218.1	0.6	0.3%
27.2%	217.3	218.0	0.7	0.3%
28.4%	216.6	217.7	1.1	0.5%
29.6%	216.2	216.9	0.7	0.3%
30.9%	215.8	216.6	0.7	0.3%
32.1%	215.7	215.9	0.2	0.1%
33.3%	214.8	214.9	0.1	0.0%
34.6%	213.4	214.7	1.3	0.6%
35.8%	213.0	213.1	0.1	0.1%
37.0%	212.7	212.8	0.1	0.1%
38.3%	211.2	212.5	1.3	0.6%
39.5%	210.5	211.1	0.6	0.3%
40.7%	210.4	210.5	0.1	0.0%
42.0%	210.1	210.1	0.0	0.0%
43.2%	210.0	210.0	-0.1	0.0%
44.4%	208.9	209.2	0.3	0.1%
45.7%	208.9	209.0	0.2	0.1%
46.9%	208.8	208.9	0.1	0.1%
48.1%	207.2	207.6	0.4	0.2%
49.4%	207.2	206.8	-0.4	-0.2%
50.6%	206.6	206.7	0.1	0.1%
51.9%	206.4	206.5	0.1	0.1%
53.1%	206.4	206.2	-0.2	-0.1%
54.3%	206.0	206.2	0.2	0.1%
55.6%	205.8	205.4	-0.4	-0.2%
56.8%	205.8	205.3	-0.5	-0.3%
58.0%	205.2	204.5	-0.7	-0.3%
59.3%	204.8	204.4	-0.4	-0.2%
60.5%	204.4	203.8	-0.7	-0.3%
61.7%	203.4	203.7	0.3	0.2%
63.0%	203.1	203.6	0.6	0.3%
64.2%	202.6	203.3	0.7	0.3%
65.4%	202.3	202.8	0.4	0.2%
66.7%	202.3	202.7	0.4	0.2%
67.9%	202.3	202.4	0.1	0.1%
69.1%	202.1	202.3	0.2	0.1%
70.4%	202.1	201.8	-0.2	-0.1%
71.6%	201.9	201.3	-0.6	-0.3%
72.8%	201.1	201.2	0.1	0.0%
74.1%	201.0	200.9	-0.1	0.0%
75.3%	200.9	200.7	-0.2	-0.1%
76.5%	200.9	200.4	-0.5	-0.2%
77.8%	200.0	199.9	-0.1	-0.1%
79.0%	199.4	199.0	-0.4	-0.2%
80.2%	199.4	198.9	-0.5	-0.2%
81.5%	199.4	198.9	-0.5	-0.3%
82.7%	198.9	198.6	-0.3	-0.2%
84.0%	198.8	198.0	-0.8	-0.4%
85.2%	198.1	197.8	-0.3	-0.1%
86.4%	197.7	197.4	-0.3	-0.1%
87.7%	197.7	197.4	-0.3	-0.2%
88.9%	197.2	197.3	0.1	0.1%
90.1%	196.7	196.5	-0.2	-0.1%
91.4%	196.4	195.8	-0.6	-0.3%
92.6%	196.3	195.8	-0.5	-0.3%
93.8%	195.6	195.4	-0.1	-0.1%
95.1%	195.1	195.3	0.2	0.1%
96.3%	195.1	195.0	-0.1	-0.1%
97.5%	194.9	194.9	0.1	0.0%
98.8%	194.0	194.5	0.6	0.3%
100.0%	193.3	193.0	-0.3	-0.2%

Table SQ-28-b

North Bay Aqueduct Intake (Barker Slough), Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	266.6	267.7	1.1	0.4%
1.2%	262.6	265.9	3.3	1.2%
2.5%	254.6	255.3	0.7	0.3%
3.7%	254.5	254.6	0.0	0.0%
4.9%	251.5	250.4	-1.1	-0.4%
6.2%	248.7	250.3	1.6	0.6%
7.4%	246.8	249.1	2.3	0.9%
8.6%	244.8	244.8	-0.1	0.0%
9.9%	241.2	243.4	2.2	0.9%
11.1%	240.6	240.9	0.3	0.1%
12.3%	240.5	240.4	-0.1	0.0%
13.6%	240.2	240.2	0.0	0.0%
14.8%	239.3	239.7	0.4	0.2%
16.0%	239.1	239.0	-0.1	0.0%
17.3%	236.9	237.2	0.3	0.1%
18.5%	236.8	237.0	0.2	0.1%
19.8%	235.0	236.7	1.7	0.7%
21.0%	234.8	235.0	0.2	0.1%
22.2%	233.7	234.6	0.9	0.4%
23.5%	233.0	232.8	-0.2	-0.1%
24.7%	231.5	232.5	1.1	0.5%
25.9%	230.7	232.1	1.3	0.6%
27.2%	230.3	231.3	1.0	0.4%
28.4%	229.9	230.7	0.8	0.3%
29.6%	229.1	230.4	1.4	0.6%
30.9%	228.8	229.7	0.9	0.4%
32.1%	227.6	229.4	1.8	0.8%
33.3%	227.2	229.0	1.7	0.8%
34.6%	226.2	226.9	0.7	0.3%
35.8%	225.5	226.3	0.8	0.4%
37.0%	225.3	225.8	0.4	0.2%
38.3%	224.5	225.7	1.2	0.5%
39.5%	224.1	225.1	1.0	0.5%
40.7%	224.0	224.4	0.4	0.2%
42.0%	223.6	224.1	0.4	0.2%
43.2%	223.5	223.8	0.3	0.1%
44.4%	223.4	223.3	-0.2	-0.1%
45.7%	223.4	222.7	-0.6	-0.3%
46.9%	219.2	221.0	1.8	0.8%
48.1%	219.0	220.5	1.5	0.7%
49.4%	218.9	220.3	1.3	0.6%
50.6%	218.0	219.2	1.2	0.6%
51.9%	217.9	217.9	0.0	0.0%
53.1%	217.8	217.9	0.1	0.0%
54.3%	215.4	216.2	0.8	0.4%
55.6%	215.2	215.6	0.5	0.2%
56.8%	214.5	214.0	-0.5	-0.2%
58.0%	214.1	213.9	-0.3	-0.1%
59.3%	213.7	213.8	0.2	0.1%
60.5%	213.1	213.8	0.7	0.3%
61.7%	212.6	213.5	0.9	0.4%
63.0%	212.2	213.5	1.3	0.6%
64.2%	211.6	213.3	1.6	0.8%
65.4%	211.4	212.9	1.5	0.7%
66.7%	211.3	212.6	1.2	0.6%
67.9%	211.1	212.3	1.2	0.6%
69.1%	210.6	212.2	1.6	0.8%
70.4%	209.8	211.5	1.7	0.8%
71.6%	209.6	211.3	1.7	0.8%
72.8%	209.5	211.1	1.6	0.8%
74.1%	209.4	210.7	1.3	0.6%
75.3%	208.9	210.0	1.0	0.5%
76.5%	208.4	209.7	1.2	0.6%
77.8%	207.9	209.2	1.3	0.6%
79.0%	207.6	208.1	0.5	0.3%
80.2%	207.1	208.0	0.9	0.4%
81.5%	206.2	207.9	1.7	0.8%
82.7%	205.7	207.6	1.9	0.9%
84.0%	204.8	206.3	1.5	0.7%
85.2%	204.0	205.8	1.7	0.9%
86.4%	204.0	204.7	0.7	0.3%
87.7%	202.0	202.0	0.0	0.0%
88.9%	201.4	201.4	0.0	0.0%
90.1%	200.8	201.2	0.4	0.2%
91.4%	200.2	200.9	0.7	0.4%
92.6%	198.8	200.3	1.5	0.8%
93.8%	198.8	200.3	1.5	0.8%
95.1%	197.7	199.3	1.6	0.8%
96.3%	197.7	199.0	1.3	0.7%
97.5%	197.5	198.2	0.7	0.4%
98.8%	196.8	197.6	0.8	0.4%
100.0%	195.4	195.4	0.0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	258.9	261.3	2.4	0.9%
1.2%	257.7	257.5	-0.2	-0.1%
2.5%	248.0	249.2	1.2	0.5%
3.7%	244.7	248.3	3.6	1.5%
4.9%	240.8	242.3	1.4	0.6%
6.2%	239.8	240.9	1.0	0.4%
7.4%	239.5	239.5	0.0	0.0%
8.6%	238.6	237.5	-1.1	-0.5%
9.9%	234.7	237.4	2.7	1.2%
11.1%	234.3	236.5	2.3	1.0%
12.3%	234.0	234.5	0.4	0.2%
13.6%	233.4	234.1	0.6	0.3%
14.8%	232.9	233.5	0.6	0.3%
16.0%	231.6	232.1	0.5	0.2%
17.3%	231.5	231.4	0.0	0.0%
18.5%	228.8	229.4	0.6	0.3%
19.8%	228.6	228.8	0.2	0.1%
21.0%	228.1	228.2	0.1	0.1%
22.2%	227.2	227.8	0.6	0.3%
23.5%	227.1	226.8	-0.3	-0.2%
24.7%	226.8	225.9	-0.9	-0.4%
25.9%	225.0	225.6	0.6	0.3%
27.2%	224.9	225.3	0.4	0.2%
28.4%	224.9	223.9	-1.0	-0.4%
29.6%	224.7	223.5	-1.2	-0.5%
30.9%	224.5	220.7	-3.9	-1.7%
32.1%	223.4	219.5	-4.0	-1.8%
33.3%	223.4	219.4	-4.0	-1.8%
34.6%	220.2	219.3	-0.9	-0.4%
35.8%	218.9	218.4	-0.5	-0.2%
37.0%	218.1	218.4	0.3	0.1%
38.3%	217.4	218.0	0.6	0.3%
39.5%	216.9	217.1	0.2	0.1%
40.7%	216.5	216.5	0.0	0.0%
42.0%	216.4	215.9	-0.5	-0.2%
43.2%	215.4	215.7	0.3	0.1%
44.4%	215.4	215.4	0.0	0.0%
45.7%	214.8	213.9	-0.9	-0.4%
46.9%	214.7	213.1	-1.6	-0.7%
48.1%	213.5	212.5	-0.9	-0.4%
49.4%	212.3	212.2	-0.1	-0.1%
50.6%	211.7	211.9	0.2	0.1%
51.9%	211.1	211.5	0.4	0.2%
53.1%	211.0	211.5	0.5	0.2%
54.3%	210.8	211.0	0.2	0.1%
55.6%	210.6	210.9	0.3	0.1%
56.8%	210.3	210.7	0.4	0.2%
58.0%	210.2	210.6	0.4	0.2%
59.3%	209.9	209.9	-0.1	0.0%
60.5%	208.3	209.8	1.4	0.7%
61.7%	208.1	208.9	0.8	0.4%
63.0%	207.5	208.6	1.1	0.5%
64.2%	207.1	207.9	0.9	0.4%
65.4%	206.9	207.8	1.0	0.5%
66.7%	205.6	207.6	2.0	1.0%
67.9%	205.4	206.9	1.5	0.8%
69.1%	205.2	206.6	1.5	0.7%
70.4%	205.0	205.8	0.8	0.4%
71.6%	204.4	205.5	1.1	0.5%
72.8%	204.2	205.1	0.9	0.4%
74.1%	204.1	204.3	0.2	0.1%
75.3%	204.1	204.1	0.0	0.0%
76.5%	202.7	204.0	1.3	0.7%
77.8%	202.3	203.6	1.3	0.7%
79.0%	202.2	203.5	1.3	0.7%
80.2%	201.7	203.2	1.5	0.7%
81.5%	201.3	202.6	1.3	0.7%
82.7%	201.1	202.2	1.1	0.6%
84.0%	200.8	202.2	1.4	0.7%
85.2%	200.5	201.8	1.3	0.7%
86.4%	200.4	201.7	1.3	0.6%
87.7%	199.7	200.8	1.1	0.5%
88.9%	199.7	199.5	-0.2	-0.1%
90.1%	199.4	199.1	-0.3	-0.1%
91.4%	199.1	198.7	-0.4	-0.2%
92.6%	197.1	198.1	1.0	0.5%
93.8%	196.8	197.9	1.1	0.6%
95.1%	196.0	196.5	0.5	0.2%
96.3%	195.8	196.4	0.6	0.3%
97.5%	195.4	195.7	0.3	0.2%
98.8%	193.9	194.0	0.1	0.1%
100.0%	193.9	192.3	-1.6	-0.8%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	241.3	241.6	0.3	0.1%
1.2%	235.1	241.4	6.3	2.7%
2.5%	234.9	235.8	0.9	0.4%
3.7%	233.2	234.0	0.9	0.4%
4.9%	233.2	231.8	-1.3	-0.6%
6.2%	232.0	231.7	-0.3	-0.1%
7.4%	231.5	230.2	-1.3	-0.6%
8.6%	229.4	230.2	0.8	0.3%
9.9%	228.2	228.4	0.1	0.1%
11.1%	227.5	227.8	0.3	0.1%
12.3%	226.7	226.8	0.1	0.1%
13.6%	226.6	225.0	-1.6	-0.7%
14.8%	225.8	224.6	-1.1	-0.5%
16.0%	224.4	224.6	0.2	0.1%
17.3%	223.3	223.2	-0.1	0.0%
18.5%	222.2	221.9	-0.3	-0.1%
19.8%	219.7	221.7	1.9	0.9%
21.0%	219.7	220.5	0.8	0.4%
22.2%	219.4	219.8	0.4	0.2%
23.5%	219.0	219.2	0.2	0.1%
24.7%	217.3	217.7	0.4	0.2%
25.9%	216.2	213.9	-2.3	-1.1%
27.2%	215.4	213.9	-1.5	-0.7%
28.4%	214.8	213.8	-1.0	-0.5%
29.6%	214.3	213.7	-0.6	-0.3%
30.9%	214.1	212.1	-2.0	-0.9%
32.1%	213.0	211.5	-1.5	-0.7%
33.3%	212.9	210.7	-2.2	-1.0%
34.6%	212.0	210.6	-1.4	-0.7%
35.8%	211.1	209.7	-1.4	-0.7%
37.0%	210.6	209.0	-1.6	-0.7%
38.3%	207.9	208.8	0.9	0.5%
39.5%	207.8	208.3	0.5	0.2%
40.7%	207.8	207.7	-0.1	0.0%
42.0%	207.2	207.5	0.3	0.1%
43.2%	207.1	207.5	0.4	0.2%
44.4%	207.1	207.4	0.3	0.2%
45.7%	206.9	206.9	0.0	0.0%
46.9%	206.3	206.4	0.1	0.0%
48.1%	205.7	206.4	0.7	0.3%
49.4%	205.3	205.7	0.4	0.2%
50.6%	205.0	205.1	0.1	0.1%
51.9%	204.9	205.0	0.2	0.1%
53.1%	204.8	204.8	0.0	0.0%
54.3%	204.4	204.2	-0.2	-0.1%
55.6%	203.7	203.9	0.2	0.1%
56.8%	203.4	203.1	-0.3	-0.1%
58.0%	202.6	202.9	0.3	0.2%
59.3%	202.3	201.9	-0.5	-0.2%
60.5%	201.3	201.6	0.3	0.2%
61.7%	201.3	201.0	-0.3	-0.2%
63.0%	201.2	200.7	-0.5	-0.2%
64.2%	200.6	200.6	0.0	0.0%
65.4%	199.5	200.2	0.8	0.4%
66.7%	199.1	200.1	1.0	0.5%
67.9%	198.9	200.0	1.1	0.5%
69.1%	198.9	199.8	0.9	0.4%
70.4%	198.8	199.5	0.7	0.4%
71.6%	198.6	199.3	0.7	0.4%
72.8%	198.5	199.3	0.7	0.4%
74.1%	198.5	198.8	0.2	0.1%
75.3%	198.0	198.5	0.5	0.3%
76.5%	197.8	198.4	0.6	0.3%
77.8%	197.7	197.7	0.0	0.0%
79.0%	197.6	197.6	0.0	0.0%
80.2%	197.6	197.6	0.1	0.0%
81.5%	197.5	197.1	-0.4	-0.2%
82.7%	197.3	197.1	-0.1	-0.1%
84.0%	197.2	196.9	-0.3	-0.2%
85.2%	197.2	196.9	-0.3	-0.2%
86.4%	196.1	196.6	0.5	0.3%
87.7%	195.4	196.5	1.1	0.6%
88.9%	195.0	195.8	0.8	0.4%
90.1%	194.9	195.5	0.6	0.3%
91.4%	194.9	195.3	0.4	0.2%
92.6%	194.9	194.9	0.1	0.0%
93.8%	194.8	194.9	0.0	0.0%
95.1%	194.4	194.6	0.2	0.1%
96.3%	194.2	194.4	0.2	0.1%
97.5%	193.6	193.5	-0.1	-0.1%
98.8%	193.0	193.4	0.4	0.2%
100.0%	190.3	191.5	1.2	0.6%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	251.2	243.7	-7.5	-3.0%
1.2%	248.9	232.9	-16.0	-6.4%
2.5%	233.5	230.7	-2.9	-1.2%
3.7%	232.2	230.2	-2.0	-0.9%
4.9%	229.4	226.4	-3.0	-1.3%
6.2%	224.0	225.2	1.3	0.6%
7.4%	221.5	224.9	3.4	1.5%
8.6%	221.2	223.7	2.5	1.1%
9.9%	219.3	219.5	0.2	0.1%
11.1%	219.1	218.7	-0.4	-0.2%
12.3%	218.3	218.0	-0.3	-0.1%
13.6%	218.2	216.4	-1.8	-0.8%
14.8%	217.1	215.7	-1.3	-0.6%
16.0%	214.9	215.2	0.3	0.1%
17.3%	214.3	215.2	0.9	0.4%
18.5%	213.9	213.2	-0.7	-0.3%
19.8%	213.2	212.4	-0.8	-0.4%
21.0%	212.3	211.8	-0.5	-0.2%
22.2%	211.4	211.4	0.0	0.0%
23.5%	211.4	208.4	-2.9	-1.4%
24.7%	208.2	207.4	-0.8	-0.4%
25.9%	208.0	207.3	-0.6	-0.3%
27.2%	207.3	206.4	-0.8	-0.4%
28.4%	207.2	206.2	-1.0	-0.5%
29.6%	206.3	206.1	-0.1	-0.1%
30.9%	205.4	204.5	-0.9	-0.4%
32.1%	204.7	202.8	-2.0	-1.0%
33.3%	202.6	202.7	0.1	0.0%
34.6%	202.2	201.9	-0.3	-0.2%
35.8%	202.0	201.6	-0.3	-0.2%
37.0%	201.5	201.6	0.1	0.0%
38.3%	201.1	201.5	0.4	0.2%
39.5%	200.1	201.1	1.1	0.5%
40.7%	199.8	200.4	0.6	0.3%
42.0%	199.7	199.9	0.2	0.1%
43.2%	199.5	199.5	0.0	0.0%
44.4%	199.1	199.1	0.0	0.0%
45.7%	198.9	198.4	-0.5	-0.3%
46.9%	198.8	198.3	-0.5	-0.2%
48.1%	198.4	198.1	-0.3	-0.2%
49.4%	198.2	197.7	-0.5	-0.3%
50.6%	198.2	197.4	-0.8	-0.4%
51.9%	198.1	197.3	-0.8	-0.4%
53.1%	197.9	197.1	-0.8	-0.4%
54.3%	197.5	197.1	-0.5	-0.2%
55.6%	197.4	196.7	-0.7	-0.4%
56.8%	197.0	196.5	-0.5	-0.2%
58.0%	196.7	196.5	-0.2	-0.1%
59.3%	196.6	196.3	-0.3	-0.2%
60.5%	196.6	196.1	-0.4	-0.2%
61.7%	196.3	196.1	-0.2	-0.1%
63.0%	196.3	195.4	-0.9	-0.5%
64.2%	196.1	195.3	-0.7	-0.4%
65.4%	195.8	195.2	-0.6	-0.3%
66.7%	195.5	195.1	-0.4	-0.2%
67.9%	195.3	194.7	-0.6	-0.3%
69.1%	194.9	194.7	-0.2	-0.1%
70.4%	194.7	194.6	-0.1	-0.1%
71.6%	194.7	194.4	-0.3	-0.1%
72.8%	194.5	194.3	-0.2	-0.1%
74.1%	194.5	194.2	-0.3	-0.1%
75.3%	194.4	194.2	-0.1	-0.1%
76.5%	194.3	194.2	-0.1	0.0%
77.8%	194.2	194.2	0.0	0.0%
79.0%	194.0	194.1	0.1	0.0%
80.2%	193.9	194.0	0.1	0.0%
81.5%	193.9	193.7	-0.2	-0.1%
82.7%	193.5	193.4	-0.1	-0.1%
84.0%	193.5	193.3	-0.2	-0.1%
85.2%	192.8	192.7	-0.2	-0.1%
86.4%	192.4	192.5	0.2	0.1%
87.7%	192.4	192.2	-0.1	-0.1%
88.9%	192.1	192.2	0.0	0.0%
90.1%	191.8	192.1	0.2	0.1%
91.4%	191.8	191.8	0.1	0.0%
92.6%	191.7	191.7	-0.1	0.0%
93.8%	191.7	191.6	-0.1	0.0%
95.1%	191.6	191.6	0.0	0.0%
96.3%	190.9	191.3	0.4	0.2%
97.5%	189.7	191.0	1.3	0.7%
98.8%	189.3	189.4	0.1	0.0%
100.0%	186.9	187.6	0.6	0.3%

Table SQ-28-b

North Bay Aqueduct Intake (Barker Slough), Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	237.5	236.8	-0.7	-0.3%
1.2%	233.3	233.4	0.0	0.0%
2.5%	232.0	228.4	-3.6	-1.6%
3.7%	231.9	225.6	-6.3	-2.7%
4.9%	225.8	221.2	-4.6	-2.0%
6.2%	223.9	219.4	-4.5	-2.0%
7.4%	222.7	217.5	-5.2	-2.3%
8.6%	221.0	215.9	-5.1	-2.3%
9.9%	219.4	214.4	-5.0	-2.3%
11.1%	213.2	213.8	0.6	0.3%
12.3%	212.7	212.7	0.0	0.0%
13.6%	211.2	211.1	-0.1	-0.1%
14.8%	200.0	198.9	-1.2	-0.6%
16.0%	198.9	198.6	-0.3	-0.2%
17.3%	198.8	198.5	-0.3	-0.2%
18.5%	197.9	197.9	0.0	0.0%
19.8%	197.7	197.8	0.1	0.1%
21.0%	197.5	196.7	-0.8	-0.4%
22.2%	196.1	195.7	-0.3	-0.2%
23.5%	195.7	195.6	-0.1	0.0%
24.7%	195.7	195.4	-0.3	-0.2%
25.9%	195.2	195.3	0.1	0.0%
27.2%	195.2	195.1	-0.1	-0.1%
28.4%	195.1	195.0	-0.1	-0.1%
29.6%	195.1	194.7	-0.3	-0.2%
30.9%	194.7	194.7	-0.1	0.0%
32.1%	194.7	194.6	-0.1	0.0%
33.3%	194.6	194.5	-0.1	0.0%
34.6%	194.4	194.4	0.1	0.0%
35.8%	194.3	194.3	0.0	0.0%
37.0%	194.3	194.2	-0.1	-0.1%
38.3%	194.3	194.1	-0.2	-0.1%
39.5%	194.3	193.8	-0.5	-0.3%
40.7%	194.2	193.8	-0.4	-0.2%
42.0%	194.0	193.7	-0.4	-0.2%
43.2%	194.0	193.5	-0.4	-0.2%
44.4%	193.8	193.5	-0.4	-0.2%
45.7%	193.7	193.3	-0.4	-0.2%
46.9%	193.6	193.3	-0.4	-0.2%
48.1%	193.5	193.1	-0.4	-0.2%
49.4%	193.5	193.1	-0.4	-0.2%
50.6%	193.4	193.0	-0.4	-0.2%
51.9%	193.1	192.8	-0.2	-0.1%
53.1%	193.1	192.7	-0.4	-0.2%
54.3%	193.1	192.7	-0.4	-0.2%
55.6%	193.0	192.6	-0.3	-0.2%
56.8%	193.0	192.6	-0.3	-0.2%
58.0%	192.8	192.6	-0.2	-0.1%
59.3%	192.8	192.5	-0.3	-0.2%
60.5%	192.8	192.2	-0.5	-0.3%
61.7%	192.7	192.1	-0.6	-0.3%
63.0%	192.6	192.1	-0.6	-0.3%
64.2%	192.5	192.0	-0.4	-0.2%
65.4%	192.5	191.9	-0.5	-0.3%
66.7%	192.4	191.9	-0.6	-0.3%
67.9%	192.3	191.5	-0.7	-0.4%
69.1%	192.1	191.5	-0.6	-0.3%
70.4%	192.1	191.5	-0.6	-0.3%
71.6%	191.9	191.4	-0.5	-0.3%
72.8%	191.9	191.3	-0.7	-0.3%
74.1%	191.9	191.2	-0.7	-0.4%
75.3%	191.8	191.2	-0.7	-0.3%
76.5%	191.5	191.1	-0.4	-0.2%
77.8%	191.5	191.0	-0.5	-0.2%
79.0%	191.5	191.0	-0.5	-0.2%
80.2%	191.2	191.0	-0.2	-0.1%
81.5%	191.2	190.9	-0.3	-0.1%
82.7%	191.1	190.8	-0.3	-0.2%
84.0%	191.0	190.7	-0.3	-0.2%
85.2%	191.0	190.7	-0.3	-0.2%
86.4%	191.0	190.7	-0.3	-0.2%
87.7%	190.9	190.7	-0.2	-0.1%
88.9%	190.4	190.3	0.0	0.0%
90.1%	190.4	190.3	-0.1	-0.1%
91.4%	190.2	190.1	-0.2	-0.1%
92.6%	190.2	190.0	-0.1	-0.1%
93.8%	190.1	190.0	-0.1	0.0%
95.1%	190.0	190.0	0.0	0.0%
96.3%	189.8	189.7	-0.1	0.0%
97.5%	189.5	189.5	-0.1	0.0%
98.8%	189.4	189.1	-0.3	-0.1%
100.0%	187.2	187.6	0.4	0.2%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	210.8	211.0	0.2	0.1%
1.2%	206.2	206.3	0.1	0.0%
2.5%	205.5	205.9	0.4	0.2%
3.7%	204.1	203.7	-0.4	-0.2%
4.9%	204.0	202.7	-1.3	-0.6%
6.2%	203.5	202.2	-1.3	-0.6%
7.4%	202.7	199.6	-3.1	-1.5%
8.6%	202.4	197.9	-4.5	-2.2%
9.9%	202.3	197.6	-4.7	-2.3%
11.1%	198.2	197.5	-0.7	-0.4%
12.3%	198.0	197.1	-0.8	-0.4%
13.6%	197.6	196.3	-1.3	-0.6%
14.8%	192.2	191.5	-0.8	-0.4%
16.0%	191.8	191.4	-0.4	-0.2%
17.3%	191.4	191.3	-0.1	-0.1%
18.5%	191.4	191.1	-0.2	-0.1%
19.8%	191.3	190.8	-0.5	-0.3%
21.0%	191.1	190.7	-0.4	-0.2%
22.2%	191.1	190.7	-0.4	-0.2%
23.5%	191.1	190.7	-0.4	-0.2%
24.7%	191.0	190.4	-0.5	-0.3%
25.9%	190.8	190.4	-0.4	-0.2%
27.2%	190.8	190.4	-0.4	-0.2%
28.4%	190.7	190.4	-0.4	-0.2%
29.6%	190.7	190.2	-0.5	-0.3%
30.9%	190.7	190.1	-0.6	-0.3%
32.1%	190.1	190.0	0.0	0.0%
33.3%	190.1	190.0	0.0	0.0%
34.6%	190.0	190.0	0.0	0.0%
35.8%	189.9	189.9	0.0	0.0%
37.0%	189.9	189.5	-0.4	-0.2%
38.3%	189.9	189.4	-0.4	-0.2%
39.5%	189.7	189.4	-0.3	-0.2%
40.7%	189.5	189.4	-0.1	-0.1%
42.0%	189.5	189.4	-0.1	-0.1%
43.2%	189.4	189.3	-0.1	-0.1%
44.4%	189.4	189.3	-0.1	-0.1%
45.7%	189.4	189.2	-0.2	-0.1%
46.9%	189.4	189.0	-0.4	-0.2%
48.1%	189.4	189.0	-0.4	-0.2%
49.4%	189.3	188.9	-0.4	-0.2%
50.6%	189.1	188.9	-0.2	-0.1%
51.9%	189.0	188.8	-0.2	-0.1%
53.1%	189.0	188.8	-0.2	-0.1%
54.3%	189.0	188.8	-0.2	-0.1%
55.6%	188.9	188.8	-0.2	-0.1%
56.8%	188.9	188.7	-0.2	-0.1%
58.0%	188.9	188.7	-0.2	-0.1%
59.3%	188.8	188.7	-0.1	-0.1%
60.5%	188.8	188.6	-0.1	-0.1%
61.7%	188.8	188.5	-0.3	-0.2%
63.0%	188.7	188.5	-0.2	-0.1%
64.2%	188.7	188.5	-0.2	-0.1%
65.4%	188.7	188.3	-0.3	-0.2%
66.7%	188.6	188.3	-0.3	-0.2%
67.9%	188.5	188.3	-0.2	-0.1%
69.1%	188.5	188.3	-0.3	-0.1%
70.4%	188.5	188.2	-0.3	-0.2%
71.6%	188.5	188.2	-0.3	-0.2%
72.8%	188.5	188.1	-0.3	-0.2%
74.1%	188.3	188.1	-0.2	-0.1%
75.3%	188.3	188.0	-0.2	-0.1%
76.5%	188.2	188.0	-0.2	-0.1%
77.8%	188.1	188.0	-0.1	-0.1%
79.0%	188.1	188.0	-0.1	-0.1%
80.2%	188.1	188.0	-0.1	-0.1%
81.5%	188.0	187.9	-0.1	0.0%
82.7%	188.0	187.9	-0.1	0.0%
84.0%	188.0	187.9	-0.1	0.0%
85.2%	188.0	187.8	-0.1	-0.1%
86.4%	187.9	187.8	-0.1	-0.1%
87.7%	187.9	187.8	-0.1	-0.1%
88.9%	187.9	187.8	-0.1	-0.1%
90.1%	187.9	187.7	-0.1	-0.1%
91.4%	187.8	187.7	-0.1	-0.1%
92.6%	187.8	187.7	-0.1	-0.1%
93.8%	187.7	187.6	-0.1	0.0%
95.1%	187.6	187.4	-0.2	-0.1%
96.3%	187.6	187.4	-0.2	-0.1%
97.5%	187.6	187.3	-0.3	-0.1%
98.8%	187.5	187.3	-0.2	-0.1%
100.0%	187.2	187.0	-0.3	-0.1%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	202.5	199.8	-2.7	-1.3%
1.2%	199.5	199.2	-0.3	-0.2%
2.5%	199.3	198.2	-1.1	-0.6%
3.7%	199.3	197.0	-2.3	-1.1%
4.9%	197.8	196.5	-1.3	-0.6%
6.2%	197.3	196.5	-0.8	-0.4%
7.4%	197.1	196.4	-0.6	-0.3%
8.6%	197.0	196.1	-0.8	-0.4%
9.9%	196.9	196.0	-0.9	-0.5%
11.1%	196.0	195.1	-0.9	-0.5%
12.3%	195.5	195.1	-0.4	-0.2%
13.6%	194.7	194.7	0.0	0.0%
14.8%	190.9	190.4	-0.5	-0.2%
16.0%	190.8	189.9	-0.9	-0.5%
17.3%	190.7	189.7	-0.9	-0.5%
18.5%	190.6	189.7	-0.9	-0.5%
19.8%	190.1	189.5	-0.6	-0.3%
21.0%	190.1	189.5	-0.6	-0.3%
22.2%	189.8	189.4	-0.4	-0.2%
23.5%	189.8	189.4	-0.4	-0.2%
24.7%	189.8	189.3	-0.4	-0.2%
25.9%	189.8	189.3	-0.5	-0.3%
27.2%	189.6	189.2	-0.5	-0.3%
28.4%	189.6	189.1	-0.4	-0.2%
29.6%	189.5	189.1	-0.3	-0.2%
30.9%	189.4	188.8	-0.6	-0.3%
32.1%	189.4	188.8	-0.6	-0.3%
33.3%	189.4	188.8	-0.6	-0.3%
34.6%	189.4	188.7	-0.6	-0.3%
35.8%	189.2	188.7	-0.5	-0.3%
37.0%	189.1	188.7	-0.4	-0.2%
38.3%	189.0	188.6	-0.3	-0.2%
39.5%	188.9	188.6	-0.3	-0.2%
40.7%	188.9	188.6	-0.3	-0.2%
42.0%	188.7	188.6	-0.1	-0.1%
43.2%	188.7	188.5	-0.2	-0.1%
44.4%	188.7	188.5	-0.2	-0.1%
45.7%	188.7	188.5	-0.2	-0.1%
46.9%	188.6	188.5	-0.2	-0.1%
48.1%	188.6	188.4	-0.2	-0.1%
49.4%	188.6	188.3	-0.3	-0.1%
50.6%	188.6	188.3	-0.3	-0.2%
51.9%	188.5	188.3	-0.2	-0.1%
53.1%	188.4	188.3	-0.1	-0.1%
54.3%	188.4	188.3	-0.1	-0.1%
55.6%	188.4	188.2	-0.2	-0.1%
56.8%	188.3	188.2	-0.2	-0.1%
58.0%	188.3	188.1	-0.2	-0.1%
59.3%	188.2	188.1	-0.2	-0.1%
60.5%	188.2	188.1	-0.2	-0.1%
61.7%	188.2	188.0	-0.2	-0.1%
63.0%	188.2	188.0	-0.2	-0.1%
64.2%	188.2	187.9	-0.2	-0.1%
65.4%	188.2	187.9	-0.3	-0.2%
66.7%	188.1	187.9	-0.3	-0.1%
67.9%	188.1	187.8	-0.3	-0.1%
69.1%	188.1	187.8	-0.3	-0.2%
70.4%	188.0	187.8	-0.2	-0.1%
71.6%	188.0	187.8	-0.2	-0.1%
72.8%	188.0	187.7	-0.2	-0.1%
74.1%	187.9	187.7	-0.1	-0.1%
75.3%	187.9	187.7	-0.2	-0.1%
76.5%	187.8	187.7	-0.2	-0.1%
77.8%	187.8	187.6	-0.2	-0.1%
79.0%	187.7	187.6	-0.1	-0.1%
80.2%	187.7	187.6	-0.1	-0.1%
81.5%	187.7	187.4	-0.3	-0.1%
82.7%	187.7	187.4	-0.2	-0.1%
84.0%	187.7	187.4	-0.2	-0.1%
85.2%	187.6	187.2	-0.4	-0.2%
86.4%	187.6	187.2	-0.4	-0.2%
87.7%	187.6	187.2	-0.4	-0.2%
88.9%	187.5	187.2	-0.4	-0.2%
90.1%	187.4	187.1	-0.3	-0.2%
91.4%	187.3	187.0	-0.2	-0.1%
92.6%	187.1	187.0	-0.1	-0.1%
93.8%	187.1	186.9	-0.2	-0.1%
95.1%	187.1	186.8	-0.3	-0.1%
96.3%	186.9	186.8	-0.1	0.0%
97.5%	186.8	186.7	-0.1	-0.1%
98.8%	186.6	186.2	-0.4	-0.2%
100.0%	186.5	186.2	-0.3	-0.2%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	203.7	199.8	-3.9	-1.9%
1.2%	198.6	198.9	0.3	0.1%
2.5%	198.6	198.1	-0.5	-0.3%
3.7%	198.6	197.8	-0.8	-0.4%
4.9%	197.9	197.2	-0.7	-0.4%
6.2%	197.4	196.7	-0.7	-0.4%
7.4%	196.6	195.4	-1.2	-0.6%
8.6%	196.2	194.6	-1.6	-0.8%
9.9%	195.6	194.6	-1.0	-0.5%
11.1%	195.5	193.6	-1.9	-1.0%
12.3%	195.1	193.5	-1.6	-0.8%
13.6%	194.3	193.5	-0.9	-0.4%
14.8%	194.2	192.5	-1.7	-0.9%
16.0%	193.9	192.4	-1.5	-0.8%
17.3%	193.7	192.3	-1.5	-0.8%
18.5%	193.6	191.9	-1.7	-0.9%
19.8%	193.6	191.7	-1.9	-1.0%
21.0%	193.0	190.9	-2.1	-1.1%
22.2%	193.0	190.6	-2.3	-1.2%
23.5%	192.9	190.5	-2.5	-1.3%
24.7%	192.9	190.3	-2.6	-1.3%
25.9%	192.9	190.1	-2.7	-1.4%
27.2%	191.3	190.1	-1.2	-0.6%
28.4%	191.2	189.9	-1.3	-0.7%
29.6%	190.4	189.8	-0.6	-0.3%
30.9%	190.4	189.8	-0.7	-0.4%
32.1%	190.3	189.7	-0.6	-0.3%
33.3%	190.3	189.7	-0.6	-0.3%
34.6%	190.3	189.6	-0.7	-0.4%
35.8%	189.9	189.4	-0.5	-0.3%
37.0%	189.9	189.4	-0.5	-0.3%
38.3%	189.8	189.3	-0.5	-0.3%
39.5%	189.8	189.3	-0.5	-0.3%
40.7%	189.7	189.3	-0.4	-0.2%
42.0%	189.6	189.3	-0.4	-0.2%
43.2%	189.6	189.3	-0.4	-0.2%
44.4%	189.6	189.2	-0.4	-0.2%
45.7%	189.6	189.1	-0.4	-0.2%
46.9%	189.5	189.1	-0.4	-0.2%
48.1%	189.5	189.1	-0.4	-0.2%
49.4%	189.5	189.1	-0.4	-0.2%
50.6%	189.4	189.0	-0.4	-0.2%
51.9%	189.4	189.0	-0.4	-0.2%
53.1%	189.4	188.9	-0.5	-0.3%
54.3%	189.4	188.8	-0.6	-0.3%
55.6%	189.3	188.7	-0.6	-0.3%
56.8%	189.2	188.6	-0.6	-0.3%
58.0%	189.1	188.6	-0.5	-0.3%
59.3%	189.1	188.6	-0.5	-0.3%
60.5%	189.1	188.6	-0.5	-0.3%
61.7%	189.1	188.6	-0.5	-0.3%
63.0%	189.1	188.6	-0.5	-0.3%
64.2%	189.1	188.5	-0.5	-0.3%
65.4%	189.0	188.5	-0.6	-0.3%
66.7%	189.0	188.4	-0.5	-0.3%
67.9%	188.9	188.4	-0.6	-0.3%
69.1%	188.9	188.4	-0.5	-0.3%
70.4%	188.9	188.4	-0.5	-0.3%
71.6%	188.9	188.3	-0.6	-0.3%
72.8%	188.8	188.3	-0.5	-0.3%
74.1%	188.7	188.3	-0.5	-0.2%
75.3%	188.7	188.3	-0.5	-0.2%
76.5%	188.7	188.2	-0.5	-0.2%
77.8%	188.7	188.2	-0.5	-0.2%
79.0%	188.6	188.2	-0.3	-0.2%
80.2%	188.6	188.2	-0.3	-0.2%
81.5%	188.5	188.2	-0.4	-0.2%
82.7%	188.5	188.2	-0.3	-0.2%
84.0%	188.5	188.2	-0.3	-0.2%
85.2%	188.4	188.1	-0.3	-0.2%
86.4%	188.4	188.1	-0.3	-0.2%
87.7%	188.4	188.1	-0.3	-0.2%
88.9%	188.4	188.0	-0.4	-0.2%
90.1%	188.4	188.0	-0.4	-0.2%
91.4%	188.3	187.9	-0.4	-0.2%
92.6%	188.2	187.5	-0.7	-0.4%
93.8%	188.2	187.4	-0.8	-0.4%
95.1%	187.9	187.4	-0.6	-0.3%
96.3%	187.9	187.2	-0.7	-0.4%
97.5%	187.7	186.9	-0.8	-0.4%
98.8%	187.6	186.3	-1.2	-0.7%
100.0%	186.4	186.0	-0.4	-0.2%

Figure SQ-29-b
Old River at Los Vaqueros Intake, Monthly EC
Probability of Exceedance

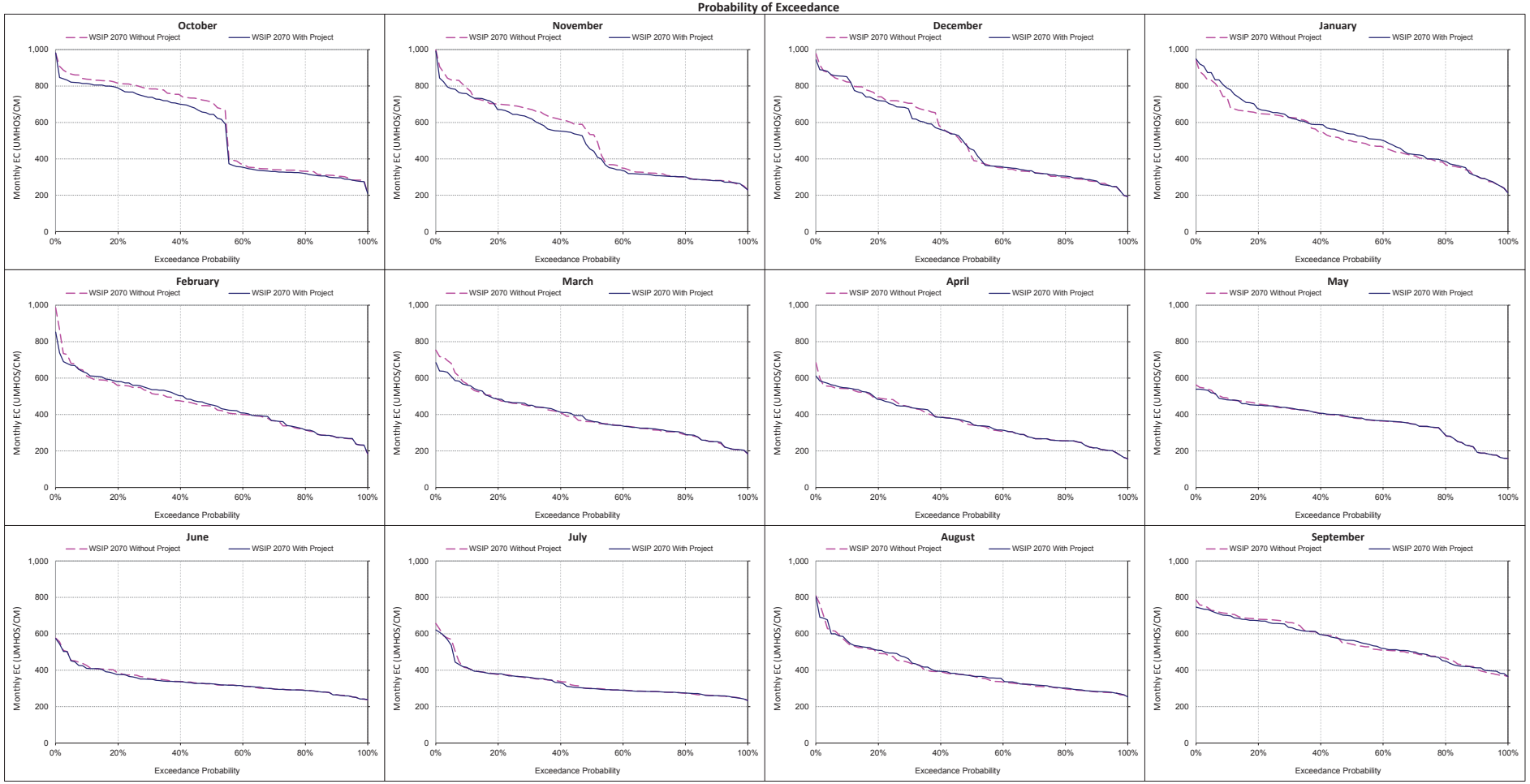


Table SQ-29-b

Old River at Los Vaqueros Intake, Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	980.9	982.1	1.2	0.1%
1.2%	909.0	847.6	-61.4	-6.8%
2.5%	887.7	840.3	-47.4	-5.3%
3.7%	873.4	832.1	-41.3	-4.7%
4.9%	866.3	821.9	-44.4	-5.1%
6.2%	861.3	820.3	-41.0	-4.8%
7.4%	860.9	819.0	-41.9	-4.9%
8.6%	841.7	814.2	-27.5	-3.3%
9.9%	837.7	813.8	-23.9	-2.9%
11.1%	836.4	811.1	-25.3	-3.0%
12.3%	832.2	805.9	-26.2	-3.2%
13.6%	832.1	805.1	-27.0	-3.2%
14.8%	829.9	805.0	-24.8	-3.0%
16.0%	828.5	799.1	-29.4	-3.5%
17.3%	828.2	799.1	-29.1	-3.5%
18.5%	823.8	796.4	-27.5	-3.3%
19.8%	817.0	790.9	-26.1	-3.2%
21.0%	813.2	779.2	-34.0	-4.2%
22.2%	812.1	768.0	-44.1	-5.4%
23.5%	811.5	766.3	-45.2	-5.6%
24.7%	805.1	766.3	-38.8	-4.8%
25.9%	802.4	757.0	-45.4	-5.7%
27.2%	795.9	749.3	-46.6	-5.9%
28.4%	789.6	744.1	-45.5	-5.8%
29.6%	785.3	738.2	-47.1	-6.0%
30.9%	784.4	738.1	-46.3	-5.9%
32.1%	784.0	728.9	-55.1	-7.0%
33.3%	779.9	727.4	-52.5	-6.7%
34.6%	778.9	720.1	-58.8	-7.6%
35.8%	761.0	718.7	-42.3	-5.6%
37.0%	758.4	708.9	-49.5	-6.5%
38.3%	755.0	707.2	-47.8	-6.3%
39.5%	754.4	702.0	-52.4	-6.9%
40.7%	740.3	698.3	-42.0	-5.7%
42.0%	737.1	695.5	-41.6	-5.6%
43.2%	734.4	686.6	-47.9	-6.5%
44.4%	733.5	680.1	-53.4	-7.3%
45.7%	730.2	666.9	-63.2	-8.7%
46.9%	723.2	657.4	-65.8	-9.1%
48.1%	720.5	654.2	-66.3	-9.2%
49.4%	714.9	644.5	-70.4	-9.9%
50.6%	702.9	644.4	-58.5	-8.3%
51.9%	680.5	623.4	-57.0	-8.4%
53.1%	675.4	616.8	-58.6	-8.7%
54.3%	666.0	591.8	-74.2	-11.1%
55.6%	394.5	373.7	-20.9	-5.3%
56.8%	392.9	364.8	-28.1	-7.1%
58.0%	387.6	357.0	-30.6	-7.9%
59.3%	372.9	356.4	-16.5	-4.4%
60.5%	366.5	351.3	-15.2	-4.2%
61.7%	354.4	346.2	-8.2	-2.3%
63.0%	352.7	343.8	-8.8	-2.5%
64.2%	351.6	338.5	-13.1	-3.7%
65.4%	346.9	336.4	-10.4	-3.0%
66.7%	345.8	334.6	-11.2	-3.2%
67.9%	344.9	333.0	-11.9	-3.4%
69.1%	340.4	330.4	-10.0	-2.9%
70.4%	340.3	330.1	-10.2	-3.0%
71.6%	339.6	327.8	-11.8	-3.5%
72.8%	339.1	327.5	-11.6	-3.4%
74.1%	338.1	326.1	-12.0	-3.5%
75.3%	338.0	326.0	-12.0	-3.6%
76.5%	337.8	325.3	-12.5	-3.7%
77.8%	335.3	324.5	-10.8	-3.2%
79.0%	332.5	321.8	-10.7	-3.2%
80.2%	332.0	318.9	-13.1	-3.9%
81.5%	330.1	313.3	-16.8	-5.1%
82.7%	330.0	309.9	-20.0	-6.1%
84.0%	314.6	307.8	-6.8	-2.2%
85.2%	312.8	306.2	-6.6	-2.1%
86.4%	311.4	306.0	-5.4	-1.7%
87.7%	310.5	298.3	-12.1	-3.9%
88.9%	309.0	297.4	-11.6	-3.8%
90.1%	304.4	296.7	-7.7	-2.5%
91.4%	304.0	295.6	-8.4	-2.8%
92.6%	301.6	289.4	-12.3	-4.1%
93.8%	294.7	287.7	-7.0	-2.4%
95.1%	283.4	283.4	0.0	0.0%
96.3%	283.3	279.2	-4.1	-1.4%
97.5%	283.0	276.3	-6.7	-2.4%
98.8%	282.4	274.2	-8.2	-2.9%
100.0%	210.1	210.0	-0.1	0.0%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	999.6	991.6	-8.0	-0.8%
1.2%	905.5	844.4	-61.1	-6.7%
2.5%	875.9	823.4	-52.5	-6.0%
3.7%	843.8	796.0	-47.9	-5.7%
4.9%	833.6	784.9	-48.8	-5.9%
6.2%	832.8	782.8	-50.0	-6.0%
7.4%	830.7	764.8	-65.9	-7.9%
8.6%	809.8	759.8	-50.0	-6.2%
9.9%	789.8	758.7	-31.0	-3.9%
11.1%	771.8	744.7	-27.1	-3.5%
12.3%	731.1	733.2	2.1	0.3%
13.6%	728.0	732.9	4.9	0.7%
14.8%	722.5	731.4	8.9	1.2%
16.0%	718.7	724.6	5.9	0.8%
17.3%	704.2	718.7	14.5	2.1%
18.5%	703.5	705.8	2.3	0.3%
19.8%	700.7	670.7	-30.0	-4.3%
21.0%	699.5	669.4	-30.1	-4.3%
22.2%	697.6	666.0	-31.6	-4.5%
23.5%	696.0	656.8	-39.1	-5.6%
24.7%	692.0	644.3	-47.7	-6.9%
25.9%	690.3	643.7	-46.6	-6.7%
27.2%	685.6	639.0	-46.6	-6.8%
28.4%	679.9	635.7	-44.2	-6.5%
29.6%	675.2	627.7	-47.5	-7.0%
30.9%	670.1	618.7	-51.4	-7.7%
32.1%	661.2	602.7	-58.4	-8.8%
33.3%	660.3	592.4	-68.0	-10.3%
34.6%	646.2	583.2	-63.0	-9.8%
35.8%	636.4	564.0	-72.4	-11.4%
37.0%	627.9	559.0	-68.9	-11.0%
38.3%	623.8	553.9	-69.9	-11.2%
39.5%	618.1	553.5	-64.6	-10.4%
40.7%	612.3	551.5	-60.8	-9.9%
42.0%	608.6	548.6	-60.0	-9.9%
43.2%	601.0	545.9	-55.1	-9.2%
44.4%	590.1	537.8	-52.3	-8.9%
45.7%	589.8	533.5	-56.3	-9.6%
46.9%	589.8	527.1	-62.7	-10.6%
48.1%	560.1	479.7	-80.4	-14.3%
49.4%	534.0	454.2	-79.8	-15.0%
50.6%	532.4	442.0	-90.4	-17.0%
51.9%	490.6	408.2	-82.4	-16.8%
53.1%	419.9	398.5	-21.4	-5.1%
54.3%	380.9	367.0	-13.9	-3.6%
55.6%	368.2	351.2	-16.9	-4.6%
56.8%	367.8	347.7	-20.0	-5.5%
58.0%	364.3	340.8	-23.5	-6.4%
59.3%	350.9	339.4	-11.5	-3.3%
60.5%	347.6	332.9	-14.7	-4.2%
61.7%	340.9	319.0	-21.8	-6.4%
63.0%	331.8	318.8	-12.9	-3.9%
64.2%	327.6	317.8	-9.8	-3.0%
65.4%	327.0	316.2	-10.8	-3.3%
66.7%	325.8	315.8	-10.0	-3.1%
67.9%	322.6	315.1	-7.5	-2.3%
69.1%	321.8	311.9	-9.9	-3.1%
70.4%	320.9	308.2	-12.7	-4.0%
71.6%	317.4	307.0	-10.4	-3.3%
72.8%	317.1	306.5	-10.6	-3.3%
74.1%	308.2	304.5	-3.7	-1.2%
75.3%	306.3	302.6	-3.6	-1.2%
76.5%	303.2	302.6	-0.6	-0.2%
77.8%	301.8	301.8	0.0	0.0%
79.0%	301.0	301.6	0.6	0.2%
80.2%	298.1	300.8	2.8	0.9%
81.5%	293.4	289.2	-4.2	-1.4%
82.7%	287.2	288.5	1.3	0.5%
84.0%	287.0	286.9	0.0	0.0%
85.2%	285.9	284.2	-1.6	-0.6%
86.4%	285.6	284.2	-1.4	-0.5%
87.7%	283.0	283.4	0.4	0.1%
88.9%	281.4	280.1	-1.3	-0.5%
90.1%	281.2	280.0	-1.2	-0.4%
91.4%	281.1	279.8	-1.4	-0.5%
92.6%	279.1	272.4	-6.7	-2.4%
93.8%	278.8	272.3	-6.5	-2.3%
95.1%	269.9	269.8	-0.1	0.0%
96.3%	263.2	268.1	4.9	1.8%
97.5%	260.0	263.3	3.3	1.3%
98.8%	250.5	246.1	-4.4	-1.7%
100.0%	229.6	229.3	-0.3	-0.1%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	978.6	945.6	-33.1	-3.4%
1.2%	916.9	889.0	-27.9	-3.0%
2.5%	882.9	887.5	4.6	0.5%
3.7%	875.8	880.6	4.7	0.5%
4.9%	859.9	862.4	2.5	0.3%
6.2%	844.5	856.5	12.0	1.4%
7.4%	837.2	855.8	18.6	2.2%
8.6%	831.4	853.4	22.0	2.6%
9.9%	822.7	851.8	29.1	3.5%
11.1%	821.0	822.3	1.3	0.2%
12.3%	797.7	774.9	-22.8	-2.9%
13.6%	795.9	766.4	-29.5	-3.7%
14.8%	795.6	761.1	-34.5	-4.3%
16.0%	779.5	740.1	-39.3	-5.0%
17.3%	772.7	740.0	-32.6	-4.2%
18.5%	764.9	730.5	-34.5	-4.5%
19.8%	740.9	721.9	-18.9	-2.6%
21.0%	740.6	718.4	-22.2	-3.0%
22.2%	725.1	717.2	-7.9	-1.1%
23.5%	719.5	702.4	-17.1	-2.4%
24.7%	719.5	697.3	-22.2	-3.1%
25.9%	719.3	685.9	-33.3	-4.6%
27.2%	714.8	683.9	-30.9	-4.3%
28.4%	710.4	682.3	-28.1	-4.0%
29.6%	705.3	675.0	-30.3	-4.3%
30.9%	705.2	619.3	-85.9	-12.2%
32.1%	683.8	618.0	-65.8	-9.6%
33.3%	675.3	607.4	-67.9	-10.1%
34.6%	669.2	603.6	-65.6	-9.8%
35.8%	666.2	592.6	-73.6	-11.0%
37.0%	657.7	592.1	-65.6	-10.0%
38.3%	653.9	571.3	-82.6	-12.6%
39.5%	582.6	564.6	-18.0	-3.1%
40.7%	565.2	557.1	-8.1	-1.4%
42.0%	547.7	552.2	4.5	0.8%
43.2%	540.0	536.8	-3.2	-0.6%
44.4%	535.5	536.1	0.6	0.1%
45.7%	514.2	526.7	12.5	2.4%
46.9%	484.5	504.7	20.2	4.2%
48.1%	483.9	476.4	-7.6	-1.6%
49.4%	429.7	456.0	26.3	6.1%
50.6%	390.0	447.6	57.6	14.8%
51.9%	386.8	415.3	28.4	7.4%
53.1%	377.2	389.7	12.5	3.3%
54.3%	371.7	364.7	-7.0	-1.9%
55.6%	364.3	361.7	-2.6	-0.7%
56.8%	362.1	360.1	-2.1	-0.6%
58.0%	353.8	358.6	4.8	1.4%
59.3%	350.9	358.2	7.3	2.1%
60.5%	350.7	352.9	2.1	0.6%
61.7%	343.6	351.7	8.2	2.4%
63.0%	343.2	348.6	5.4	1.6%
64.2%	336.4	347.0	10.7	3.2%
65.4%	332.9	341.4	8.5	2.5%
66.7%	331.7	339.2	7.5	2.3%
67.9%	331.5	334.4	2.9	0.9%
69.1%	327.5	334.2	6.7	2.1%
70.4%	323.0	322.4	-0.6	-0.2%
71.6%	321.8	320.3	-1.5	-0.5%
72.8%	319.1	318.4	-0.7	-0.2%
74.1%	315.9	317.0	1.1	0.4%
75.3%	304.6	311.9	7.3	2.4%
76.5%	304.4	311.8	7.4	2.4%
77.8%	302.1	306.4	4.3	1.4%
79.0%	298.3	306.2	7.9	2.7%
80.2%	297.4	305.0	7.6	2.6%
81.5%	293.4	302.4	9.0	3.1%
82.7%	292.5	295.3	2.8	1.0%
84.0%	289.0	294.7	5.7	2.0%
85.2%	287.9	294.3	6.4	2.2%
86.4%	285.5	286.6	1.1	0.4%
87.7%	279.0	285.6	6.6	2.4%
88.9%	276.8	282.0	5.2	1.9%
90.1%	276.4	277.6	1.2	0.4%
91.4%	265.2	258.5	-6.7	-2.5%
92.6%	265.1	256.4	-8.7	-3.3%
93.8%	252.5	254.0	1.6	0.6%
95.1%	249.4	248.1	-1.3	-0.5%
96.3%	246.0	247.4	1.4	0.6%
97.5%	225.5	225.4	-0.1	0.0%
98.8%	198.3	198.4	0.2	0.1%
100.0%	192.5	193.3	0.7	0.4%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	942.1	949.3	7.2	0.8%
1.2%	880.2	921.8	41.6	4.7%
2.5%	861.2	909.2	48.0	5.6%
3.7%	834.0	874.6	40.5	4.9%
4.9%	831.3	874.3	43.0	5.2%
6.2%	814.2	834.6	20.3	2.5%
7.4%	786.1	834.2	48.1	6.1%
8.6%	742.6	808.3	65.8	8.9%
9.9%	742.5	789.9	47.4	6.4%
11.1%	676.8	778.9	102.0	15.1%
12.3%	674.2	754.7	80.5	11.9%
13.6%	667.1	740.4	73.3	11.0%
14.8%	664.2	724.8	60.5	9.1%
16.0%	662.1	709.3	47.2	7.1%
17.3%	658.8	709.2	50.4	7.6%
18.5%	656.0	702.8	46.8	7.1%
19.8%	649.6	676.9	27.2	4.2%
21.0%	647.6	668.4	20.9	3.2%
22.2%	646.7	665.0	18.3	2.8%
23.5%	645.1	662.0	16.8	2.6%
24.7%	643.0	654.5	11.5	1.8%
25.9%	639.8	653.7	13.9	2.2%
27.2%	636.5	649.9	13.4	2.1%
28.4%	629.6	645.4	15.8	2.5%
29.6%	627.9	629.7	1.8	0.3%
30.9%	626.9	621.2	-5.8	-0.9%
32.1%	624.1	617.8	-6.4	-1.0%
33.3%	617.2	608.0	-9.2	-1.5%
34.6%	613.3	606.5	-6.8	-1.1%
35.8%	604.4	596.8	-7.6	-1.3%
37.0%	568.5	590.1	21.6	3.8%
38.3%	564.0	589.1	25.1	4.5%
39.5%	546.2	588.7	42.4	7.8%
40.7%	544.5	587.3	42.9	7.9%
42.0%	530.3	569.4	39.1	7.4%
43.2%	522.3	564.9	42.5	8.1%
44.4%	520.0	562.3	42.3	8.1%
45.7%	517.2	554.0	36.8	7.1%
46.9%	505.5	550.0	44.5	8.8%
48.1%	502.5	542.0	39.4	7.8%
49.4%	501.3	537.2	35.9	7.2%
50.6%	493.8	536.0	42.1	8.5%
51.9%	492.6	526.1	33.5	6.8%
53.1%	488.1	524.1	36.0	7.4%
54.3%	484.4	518.5	34.1	7.0%
55.6%	474.5	510.3	35.8	7.6%
56.8%	472.1	508.1	36.0	7.6%
58.0%	469.4	507.1	37.7	8.0%
59.3%	469.2	504.0	34.8	7.4%
60.5%	461.7	496.9	35.2	7.6%
61.7%	452.3	486.6	34.2	7.6%
63.0%	444.0	476.7	32.6	7.4%
64.2%	436.4	466.4	30.0	6.9%
65.4%	436.2	459.4	23.2	5.3%
66.7%	428.9	441.7	12.8	3.0%
67.9%	424.2	429.4	5.2	1.2%
69.1%	418.0	425.5	7.6	1.8%
70.4%	415.8	423.8	7.9	1.9%
71.6%	403.9	421.4	17.5	4.3%
72.8%	401.9	417.2	15.4	3.8%
74.1%	400.3	400.8	0.5	0.1%
75.3%	398.1	400.5	2.4	0.6%
76.5%	389.8	398.2	8.3	2.1%
77.8%	383.6	397.6	14.0	3.6%
79.0%	382.9	390.3	7.4	1.9%
80.2%	365.4	385.0	19.6	5.4%
81.5%	361.7	372.2	10.5	2.9%
82.7%	359.6	368.0	8.4	2.3%
84.0%	354.8	363.4	8.6	2.4%
85.2%	351.7	358.0	6.3	1.8%
86.4%	340.4	351.8	11.4	3.4%
87.7%	335.4	322.0	-13.4	-4.0%
88.9%	312.0	312.0	0.1	0.0%
90.1%	304.4	305.0	0.7	0.2%
91.4%	292.7	294.4	1.7	0.6%
92.6%	292.4	292.0	-0.4	-0.1%
93.8%	275.4	281.8	6.4	2.3%
95.1%	272.8	274.6	1.8	0.7%
96.3%	261.6	262.5	0.9	0.4%
97.5%	252.3	249.8	-2.5	-1.0%
98.8%	238.8	238.7	-0.1	0.0%
100.0%	213.7	213.8	0.1	0.0%

Table SQ-29-b

Old River at Los Vaqueros Intake, Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	986.6	853.5	-133.0	-13.5%
1.2%	868.5	739.1	-129.4	-14.9%
2.5%	735.2	690.2	-45.0	-6.1%
3.7%	729.4	680.3	-49.1	-6.7%
4.9%	680.7	670.1	-10.7	-1.6%
6.2%	678.5	669.7	-8.8	-1.3%
7.4%	648.7	647.9	-0.8	-0.1%
8.6%	645.1	636.3	-8.8	-1.4%
9.9%	612.3	627.9	15.6	2.5%
11.1%	602.1	611.5	9.4	1.6%
12.3%	592.4	610.9	18.5	3.1%
13.6%	590.9	609.8	18.9	3.2%
14.8%	589.8	607.0	17.2	2.9%
16.0%	588.2	594.8	6.6	1.1%
17.3%	579.4	592.6	13.2	2.3%
18.5%	575.8	585.7	9.9	1.7%
19.8%	560.7	581.1	20.5	3.6%
21.0%	560.4	581.0	20.6	3.7%
22.2%	558.9	573.7	14.8	2.6%
23.5%	556.5	572.9	16.4	3.0%
24.7%	549.1	561.2	12.1	2.2%
25.9%	548.6	561.1	12.6	2.3%
27.2%	548.4	557.5	9.1	1.7%
28.4%	534.5	550.7	16.3	3.0%
29.6%	531.4	544.0	12.6	2.4%
30.9%	514.5	536.3	21.9	4.2%
32.1%	511.0	535.9	24.8	4.9%
33.3%	510.8	534.3	23.4	4.6%
34.6%	505.6	533.6	27.9	5.5%
35.8%	496.0	527.3	31.2	6.3%
37.0%	494.9	522.7	27.8	5.6%
38.3%	476.9	512.1	35.1	7.4%
39.5%	475.9	503.3	27.5	5.8%
40.7%	472.4	501.9	29.5	6.2%
42.0%	470.6	484.4	13.8	2.9%
43.2%	466.1	483.0	16.9	3.6%
44.4%	460.3	474.9	14.5	3.2%
45.7%	454.2	470.5	16.2	3.6%
46.9%	449.0	469.6	20.6	4.6%
48.1%	448.9	461.1	12.3	2.7%
49.4%	447.1	454.6	7.5	1.7%
50.6%	440.4	451.0	10.7	2.4%
51.9%	424.5	444.6	20.1	4.7%
53.1%	421.8	432.1	10.3	2.4%
54.3%	415.3	428.4	13.1	3.2%
55.6%	407.2	423.7	16.5	4.1%
56.8%	404.5	422.7	18.2	4.5%
58.0%	403.6	420.2	16.6	4.1%
59.3%	401.5	409.0	7.5	1.9%
60.5%	400.3	407.5	7.2	1.8%
61.7%	398.2	403.6	5.4	1.4%
63.0%	396.2	395.9	-0.3	-0.1%
64.2%	392.3	394.2	1.9	0.5%
65.4%	391.0	393.4	2.3	0.6%
66.7%	385.2	390.8	5.6	1.4%
67.9%	380.2	389.7	9.5	2.5%
69.1%	366.5	367.1	0.5	0.1%
70.4%	365.0	365.1	0.1	0.0%
71.6%	361.4	362.9	1.5	0.4%
72.8%	337.8	360.8	23.1	6.8%
74.1%	337.7	339.6	1.9	0.6%
75.3%	337.7	336.5	-1.2	-0.4%
76.5%	327.5	331.9	4.3	1.3%
77.8%	322.6	327.6	5.0	1.6%
79.0%	320.9	322.6	1.7	0.5%
80.2%	314.3	314.2	-0.1	0.0%
81.5%	308.2	313.5	5.2	1.7%
82.7%	307.1	306.9	-0.3	-0.1%
84.0%	290.7	291.3	0.6	0.2%
85.2%	287.0	287.3	0.2	0.1%
86.4%	286.2	285.2	-1.1	-0.4%
87.7%	282.7	285.0	2.3	0.8%
88.9%	280.7	281.2	0.5	0.2%
90.1%	273.2	273.6	0.4	0.2%
91.4%	271.1	273.6	2.5	0.9%
92.6%	269.7	270.4	0.7	0.3%
93.8%	267.4	268.8	1.4	0.5%
95.1%	266.1	268.1	2.0	0.8%
96.3%	237.3	237.6	0.3	0.1%
97.5%	232.8	232.9	0.1	0.0%
98.8%	230.3	232.7	2.4	1.0%
100.0%	182.9	185.3	2.4	1.3%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	753.9	684.3	-69.6	-9.2%
1.2%	717.8	638.7	-79.2	-11.0%
2.5%	716.0	637.2	-78.8	-11.0%
3.7%	696.5	632.1	-64.4	-9.2%
4.9%	680.8	609.6	-71.1	-10.4%
6.2%	629.2	586.4	-42.7	-6.8%
7.4%	610.4	583.8	-26.5	-4.3%
8.6%	581.6	567.6	-14.0	-2.4%
9.9%	569.6	562.6	-7.0	-1.2%
11.1%	547.4	558.0	10.6	1.9%
12.3%	531.8	541.7	9.8	1.9%
13.6%	525.3	534.2	8.9	1.7%
14.8%	524.0	529.1	5.0	1.0%
16.0%	506.9	507.8	0.9	0.2%
17.3%	506.3	499.8	-6.5	-1.3%
18.5%	492.4	488.7	-3.7	-0.7%
19.8%	484.0	485.3	1.3	0.3%
21.0%	474.1	483.6	9.4	2.0%
22.2%	471.8	470.2	-1.7	-0.4%
23.5%	466.2	470.0	3.8	0.8%
24.7%	462.1	465.1	3.0	0.7%
25.9%	460.3	464.8	4.5	1.0%
27.2%	457.7	464.2	6.5	1.4%
28.4%	452.6	462.2	9.6	2.1%
29.6%	447.7	450.9	3.2	0.7%
30.9%	447.3	450.4	3.1	0.7%
32.1%	439.8	442.0	2.2	0.5%
33.3%	439.7	441.4	1.7	0.4%
34.6%	437.6	438.5	0.9	0.2%
35.8%	426.0	435.1	9.1	2.1%
37.0%	422.5	432.9	10.4	2.5%
38.3%	418.5	423.4	4.9	1.2%
39.5%	412.1	414.9	2.8	0.7%
40.7%	403.6	411.1	7.4	1.8%
42.0%	390.4	410.5	20.0	5.1%
43.2%	389.7	406.0	16.3	4.2%
44.4%	387.3	395.6	8.2	2.1%
45.7%	368.1	394.5	26.4	7.2%
46.9%	365.6	393.9	28.3	7.8%
48.1%	361.5	372.8	11.3	3.1%
49.4%	361.0	367.0	6.0	1.7%
50.6%	360.3	361.5	1.2	0.3%
51.9%	350.1	360.1	10.0	2.9%
53.1%	349.7	352.1	2.4	0.7%
54.3%	349.5	347.0	-2.5	-0.7%
55.6%	348.8	345.0	-3.7	-1.1%
56.8%	344.6	341.4	-3.2	-0.9%
58.0%	339.5	340.3	0.9	0.3%
59.3%	339.3	339.6	0.3	0.1%
60.5%	334.9	335.7	0.8	0.2%
61.7%	334.5	333.8	-0.7	-0.2%
63.0%	332.4	329.5	-2.9	-0.9%
64.2%	329.0	329.3	0.3	0.1%
65.4%	324.4	325.7	1.3	0.4%
66.7%	323.1	325.6	2.5	0.8%
67.9%	321.6	324.9	3.2	1.0%
69.1%	315.4	322.1	6.7	2.1%
70.4%	315.2	321.2	6.0	1.9%
71.6%	313.7	317.4	3.7	1.2%
72.8%	306.1	315.5	9.4	3.1%
74.1%	305.6	309.8	4.2	1.4%
75.3%	305.3	308.6	3.4	1.1%
76.5%	305.2	307.2	2.0	0.7%
77.8%	300.3	306.0	5.7	1.9%
79.0%	293.2	300.3	7.1	2.4%
80.2%	288.4	289.6	1.2	0.4%
81.5%	286.7	288.6	1.9	0.7%
82.7%	281.2	287.3	6.1	2.2%
84.0%	276.3	277.4	1.1	0.4%
85.2%	260.3	260.3	0.0	0.0%
86.4%	258.8	258.5	-0.2	-0.1%
87.7%	252.2	253.0	0.8	0.3%
88.9%	251.0	251.2	0.2	0.1%
90.1%	246.4	250.8	4.4	1.8%
91.4%	240.8	247.3	6.5	2.7%
92.6%	221.3	221.3	0.0	0.0%
93.8%	215.3	215.3	0.1	0.0%
95.1%	209.3	209.4	0.1	0.1%
96.3%	207.7	208.2	0.4	0.2%
97.5%	206.7	206.8	0.1	0.0%
98.8%	203.2	203.5	0.2	0.1%
100.0%	183.0	183.6	0.6	0.3%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	684.5	611.4	-73.1	-10.7%
1.2%	600.8	584.4	-16.4	-2.7%
2.5%	558.7	577.6	18.9	3.4%
3.7%	556.0	572.3	16.3	2.9%
4.9%	553.9	563.6	9.7	1.7%
6.2%	545.8	559.5	13.7	2.5%
7.4%	544.3	552.6	8.3	1.5%
8.6%	543.0	547.6	4.6	0.8%
9.9%	542.9	546.7	3.8	0.7%
11.1%	540.5	543.3	2.8	0.5%
12.3%	530.6	539.0	8.3	1.6%
13.6%	523.7	536.2	12.5	2.4%
14.8%	522.1	526.9	4.8	0.9%
16.0%	522.1	523.8	1.8	0.3%
17.3%	510.6	518.3	7.7	1.5%
18.5%	493.6	500.9	7.3	1.5%
19.8%	492.6	484.2	-8.4	-1.7%
21.0%	487.9	481.4	-6.5	-1.3%
22.2%	485.1	472.5	-12.6	-2.6%
23.5%	483.3	467.6	-15.7	-3.3%
24.7%	482.0	460.7	-21.3	-4.4%
25.9%	467.5	448.9	-18.7	-4.0%
27.2%	451.5	447.1	-4.5	-1.0%
28.4%	449.1	446.2	-2.9	-0.7%
29.6%	444.2	444.1	-0.1	0.0%
30.9%	435.4	436.4	1.0	0.2%
32.1%	430.6	433.1	2.6	0.6%
33.3%	428.0	431.5	3.5	0.8%
34.6%	416.2	428.9	12.7	3.0%
35.8%	404.6	427.3	22.7	5.6%
37.0%	398.5	408.5	10.0	2.5%
38.3%	390.1	386.7	-3.4	-0.9%
39.5%	386.1	385.9	-0.1	0.0%
40.7%	384.1	384.1	0.0	0.0%
42.0%	382.3	381.0	-1.2	-0.3%
43.2%	380.8	380.0	-0.8	-0.2%
44.4%	374.9	376.3	1.4	0.4%
45.7%	374.6	372.2	-2.3	-0.6%
46.9%	360.3	370.1	9.8	2.7%
48.1%	350.4	361.9	11.4	3.3%
49.4%	344.0	358.3	14.3	4.2%
50.6%	342.1	342.2	0.1	0.0%
51.9%	338.2	338.4	0.2	0.1%
53.1%	336.8	338.3	1.5	0.4%
54.3%	333.1	336.9	3.7	1.1%
55.6%	321.9	333.7	11.8	3.7%
56.8%	314.7	321.8	7.1	2.3%
58.0%	312.6	315.3	2.7	0.9%
59.3%	308.6	315.0	6.4	2.1%
60.5%	307.7	312.6	4.9	1.6%
61.7%	306.7	307.0	0.2	0.1%
63.0%	305.0	304.9	0.0	0.0%
64.2%	294.5	296.4	2.0	0.7%
65.4%	290.3	291.0	0.6	0.2%
66.7%	290.1	290.2	0.1	0.0%
67.9%	278.0	278.2	0.2	0.1%
69.1%	272.6	273.4	0.8	0.3%
70.4%	267.5	267.4	-0.1	0.0%
71.6%	267.4	267.3	-0.1	-0.1%
72.8%	267.0	267.2	0.1	0.0%
74.1%	267.0	267.0	0.0	0.0%
75.3%	259.6	259.7	0.0	0.0%
76.5%	258.4	258.6	0.1	0.0%
77.8%	256.1	256.2	0.1	0.0%
79.0%	255.3	255.5	0.3	0.1%
80.2%	255.2	255.3	0.0	0.0%
81.5%	254.5	254.8	0.3	0.1%
82.7%	254.1	254.8	0.6	0.3%
84.0%	248.5	249.2	0.7	0.3%
85.2%	246.7	243.5	-3.2	-1.3%
86.4%	230.3	230.3	0.0	0.0%
87.7%	221.6	221.4	-0.2	-0.1%
88.9%	217.5	217.5	0.0	0.0%
90.1%	215.8	216.7	0.9	0.4%
91.4%	208.7	208.4	-0.2	-0.1%
92.6%	205.3	205.6	0.3	0.2%
93.8%	202.7	203.2	0.5	0.2%
95.1%	202.0	201.8	-0.2	-0.1%
96.3%	190.0	189.6	-0.4	-0.2%
97.5%	177.1	176.3	-0.8	-0.5%
98.8%	163.7	164.3	0.7	0.4%
100.0%	157.0	157.0	0.0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	562.9	539.9	-22.9	-4.1%
1.2%	549.4	539.3	-10.1	-1.8%
2.5%	546.2	536.6	-9.5	-1.7%
3.7%	539.7	532.9	-6.8	-1.3%
4.9%	533.0	518.7	-14.2	-2.7%
6.2%	510.6	516.9	6.3	1.2%
7.4%	503.8	489.1	-14.7	-2.9%
8.6%	494.0	484.7	-9.2	-1.9%
9.9%	491.7	481.0	-10.7	-2.2%
11.1%	482.2	479.7	-2.6	-0.5%
12.3%	477.7	479.5	1.8	0.4%
13.6%	475.7	477.0	1.3	0.3%
14.8%	473.7	460.1	-13.7	-2.9%
16.0%	469.3	459.8	-9.5	-2.0%
17.3%	468.1	453.3	-14.8	-3.2%
18.5%	464.7	452.9	-11.8	-2.5%
19.8%	457.3	451.4	-6.0	-1.3%
21.0%	455.2	450.1	-5.1	-1.1%
22.2%	452.7	448.4	-4.3	-1.0%
23.5%	449.7	447.8	-1.9	-0.4%
24.7%	446.1	447.0	0.9	0.2%
25.9%	439.0	444.8	5.8	1.3%
27.2%	438.1	439.3	1.2	0.3%
28.4%	436.9	439.3	2.3	0.5%
29.6%	435.8	436.8	1.0	0.2%
30.9%	429.3	433.7	4.3	1.0%
32.1%	429.1	429.5	0.4	0.1%
33.3%	427.4	425.4	-2.1	-0.5%
34.6%	422.7	424.9	2.2	0.5%
35.8%	420.5	422.1	1.7	0.4%
37.0%	414.8	415.9	1.1	0.3%
38.3%	413.3	410.4	-2.9	-0.7%
39.5%	407.8	407.0	-0.8	-0.2%
40.7%	400.6	406.1	5.5	1.4%
42.0%	399.9	401.8	1.9	0.5%
43.2%	399.5	401.3	1.8	0.5%
44.4%	398.1	401.1	3.0	0.8%
45.7%	397.6	400.2	2.6	0.6%
46.9%	390.6	396.2	5.6	1.4%
48.1%	390.2	390.2	0.0	0.0%
49.4%	389.6	385.8	-3.8	-1.0%
50.6%	380.6	384.1	3.6	0.9%
51.9%	378.5	381.3	2.8	0.7%
53.1%	377.2	380.6	3.4	0.9%
54.3%	370.9	372.6	1.7	0.5%
55.6%	369.7	371.0	1.3	0.4%
56.8%	367.1	370.0	2.9	0.8%
58.0%	364.7	367.1	2.4	0.7%
59.3%	364.2	366.1	2.0	0.5%
60.5%	363.9	365.2	1.3	0.4%
61.7%	361.6	363.8	2.3	0.6%
63.0%	360.6	362.3	1.7	0.5%
64.2%	359.9	360.6	0.8	0.2%
65.4%	359.0	359.8	0.8	0.2%
66.7%	356.3	356.4	0.0	0.0%
67.9%	354.2	354.0	-0.2	-0.1%
69.1%	348.7	348.7	0.1	0.0%
70.4%	347.2	347.2	0.0	0.0%
71.6%	335.5	335.7	0.2	0.0%
72.8%	334.7	335.7	1.0	0.3%
74.1%	334.0	334.7	0.7	0.2%
75.3%	330.9	331.0	0.0	0.0%
76.5%	328.0	329.4	1.5	0.5%
77.8%	327.3	328.0	0.8	0.2%
79.0%	304.6	304.8	0.2	0.1%
80.2%	281.1	282.4	1.3	0.5%
81.5%	280.0	281.4	1.4	0.5%
82.7%	266.3	266.3	0.0	0.0%
84.0%	251.7	251.8	0.0	0.0%
85.2%	245.5	246.3	0.8	0.3%
86.4%	232.0	232.7	0.7	0.3%
87.7%	228.7	228.9	0.2	0.1%
88.9%	221.9	223.0	1.1	0.5%
90.1%	192.9	193.2	0.4	0.2%
91.4%	187.6	188.1	0.5	0.2%
92.6%	187.6	187.9	0.3	0.2%
93.8%	182.9	183.4	0.5	0.3%
95.1%	178.1	178.3	0.2	0.1%
96.3%	177.3	177.5	0.2	0.1%
97.5%	164.3	164.7	0.3	0.2%
98.8%	159.9	160.2	0.3	0.2%
100.0%	159.1	159.3	0.2	0.1%

Table SQ-29-b

Old River at Los Vaqueros Intake, Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	576.5	573.8	-2.7	-0.5%
1.2%	556.5	543.6	-12.9	-2.3%
2.5%	508.9	503.3	-5.6	-1.1%
3.7%	502.2	502.7	0.4	0.1%
4.9%	453.4	451.8	-1.6	-0.4%
6.2%	451.2	445.4	-5.8	-1.3%
7.4%	443.8	425.7	-18.1	-4.1%
8.6%	437.2	423.9	-13.3	-3.0%
9.9%	426.3	409.7	-16.6	-3.9%
11.1%	411.7	409.3	-2.3	-0.6%
12.3%	409.6	408.8	-0.8	-0.2%
13.6%	407.4	408.3	0.9	0.2%
14.8%	406.4	404.8	-1.6	-0.4%
16.0%	404.9	391.4	-13.6	-3.4%
17.3%	403.7	388.8	-14.8	-3.7%
18.5%	401.9	382.8	-19.1	-4.7%
19.8%	386.3	375.5	-10.8	-2.8%
21.0%	380.8	375.4	-5.3	-1.4%
22.2%	374.1	375.2	1.2	0.3%
23.5%	373.8	365.6	-8.1	-2.2%
24.7%	373.7	362.8	-10.9	-2.9%
25.9%	372.2	358.2	-14.0	-3.7%
27.2%	364.8	352.3	-12.5	-3.4%
28.4%	362.4	351.7	-10.7	-2.9%
29.6%	354.4	349.7	-4.7	-1.3%
30.9%	351.3	349.7	-1.7	-0.5%
32.1%	351.0	344.8	-6.2	-1.8%
33.3%	350.4	343.2	-7.2	-2.1%
34.6%	347.5	339.6	-8.0	-2.3%
35.8%	344.7	338.5	-6.2	-1.8%
37.0%	339.6	338.2	-1.4	-0.4%
38.3%	338.8	337.6	-1.2	-0.3%
39.5%	337.8	337.5	-0.4	-0.1%
40.7%	337.7	335.8	-1.9	-0.6%
42.0%	335.1	332.4	-2.7	-0.8%
43.2%	334.9	332.2	-2.7	-0.8%
44.4%	331.1	327.8	-3.3	-1.0%
45.7%	328.1	327.3	-0.8	-0.2%
46.9%	327.5	327.1	-0.4	-0.1%
48.1%	325.2	326.4	1.2	0.4%
49.4%	325.1	326.2	1.2	0.4%
50.6%	324.7	325.0	0.3	0.1%
51.9%	318.6	322.0	3.4	1.1%
53.1%	318.3	318.9	0.6	0.2%
54.3%	318.2	318.1	-0.1	0.0%
55.6%	318.1	317.8	-0.3	-0.1%
56.8%	317.9	317.5	-0.5	-0.1%
58.0%	315.9	315.8	-0.1	0.0%
59.3%	315.5	315.3	-0.2	-0.1%
60.5%	311.2	312.2	1.0	0.3%
61.7%	310.4	311.6	1.2	0.4%
63.0%	308.9	309.8	1.0	0.3%
64.2%	304.9	307.5	2.6	0.8%
65.4%	300.7	307.0	6.3	2.1%
66.7%	300.4	301.0	0.6	0.2%
67.9%	300.1	300.4	0.3	0.1%
69.1%	299.1	298.7	-0.3	-0.1%
70.4%	295.5	295.7	0.2	0.1%
71.6%	295.3	295.2	-0.2	-0.1%
72.8%	295.2	295.2	0.0	0.0%
74.1%	292.5	292.6	0.1	0.0%
75.3%	292.4	292.4	0.0	0.0%
76.5%	292.1	292.3	0.3	0.1%
77.8%	291.3	292.0	0.7	0.2%
79.0%	291.2	290.5	-0.7	-0.2%
80.2%	288.6	288.8	0.2	0.1%
81.5%	287.4	287.7	0.3	0.1%
82.7%	285.2	286.2	1.0	0.3%
84.0%	283.3	283.3	0.1	0.0%
85.2%	280.1	280.6	0.5	0.2%
86.4%	280.0	280.3	0.4	0.1%
87.7%	277.1	277.1	0.0	0.0%
88.9%	265.6	264.5	-1.1	-0.4%
90.1%	264.6	264.3	-0.2	-0.1%
91.4%	262.0	261.8	-0.2	-0.1%
92.6%	261.4	258.6	-2.8	-1.1%
93.8%	259.6	258.2	-1.4	-0.6%
95.1%	253.3	253.0	-0.3	-0.1%
96.3%	250.9	250.1	-0.8	-0.3%
97.5%	241.2	241.5	0.3	0.1%
98.8%	241.2	241.4	0.2	0.1%
100.0%	237.4	238.2	0.7	0.3%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	656.5	621.5	-35.1	-5.3%
1.2%	625.3	608.5	-16.8	-2.7%
2.5%	588.5	593.2	4.7	0.8%
3.7%	577.2	568.3	-8.8	-1.5%
4.9%	569.4	537.4	-32.0	-5.6%
6.2%	505.4	444.8	-60.6	-12.0%
7.4%	448.5	431.2	-17.4	-3.9%
8.6%	417.5	420.1	2.7	0.6%
9.9%	413.1	416.1	3.0	0.7%
11.1%	406.1	404.5	-1.6	-0.4%
12.3%	396.1	394.3	-1.8	-0.5%
13.6%	392.8	392.8	0.0	0.0%
14.8%	389.8	390.6	0.8	0.2%
16.0%	388.1	385.7	-2.4	-0.6%
17.3%	384.7	382.1	-2.5	-0.7%
18.5%	380.1	381.6	1.5	0.4%
19.8%	376.5	380.8	4.3	1.1%
21.0%	376.4	379.8	3.4	0.9%
22.2%	374.3	374.9	0.6	0.2%
23.5%	373.9	369.1	-4.8	-1.3%
24.7%	367.7	368.9	1.1	0.3%
25.9%	366.2	365.7	-0.5	-0.1%
27.2%	364.0	363.8	-0.2	0.0%
28.4%	360.3	363.2	2.9	0.8%
29.6%	359.0	361.8	2.7	0.8%
30.9%	355.8	358.4	2.6	0.7%
32.1%	352.4	354.3	1.9	0.5%
33.3%	351.0	352.9	1.9	0.6%
34.6%	349.6	352.3	2.7	0.8%
35.8%	346.7	347.6	1.0	0.3%
37.0%	344.5	345.4	0.8	0.2%
38.3%	344.0	333.3	-10.7	-3.1%
39.5%	339.4	331.4	-8.0	-2.4%
40.7%	336.0	327.2	-8.8	-2.6%
42.0%	334.9	311.7	-23.2	-6.9%
43.2%	320.2	308.9	-11.3	-3.5%
44.4%	315.8	305.2	-10.6	-3.4%
45.7%	314.4	304.1	-10.3	-3.3%
46.9%	303.4	303.1	-0.3	-0.1%
48.1%	301.4	300.2	-1.2	-0.4%
49.4%	300.5	299.0	-1.5	-0.5%
50.6%	299.7	298.7	-1.0	-0.3%
51.9%	298.8	297.4	-1.5	-0.5%
53.1%	297.8	294.5	-3.3	-1.1%
54.3%	295.6	293.6	-1.9	-0.7%
55.6%	293.2	292.7	-0.5	-0.2%
56.8%	291.1	292.2	1.1	0.4%
58.0%	291.0	291.4	0.5	0.2%
59.3%	290.8	290.8	0.0	0.0%
60.5%	289.1	290.2	1.1	0.4%
61.7%	288.5	287.8	-0.7	-0.2%
63.0%	287.2	286.1	-1.1	-0.4%
64.2%	285.6	284.8	-0.9	-0.3%
65.4%	285.6	284.7	-0.9	-0.3%
66.7%	284.5	284.6	0.2	0.1%
67.9%	284.3	283.5	-0.8	-0.3%
69.1%	283.2	282.6	-0.7	-0.2%
70.4%	282.7	282.4	-0.3	-0.1%
71.6%	281.8	281.3	-0.5	-0.2%
72.8%	279.5	279.5	0.1	0.0%
74.1%	279.4	279.3	-0.1	0.0%
75.3%	278.5	279.1	0.7	0.2%
76.5%	278.4	278.3	-0.1	0.0%
77.8%	277.7	276.2	-1.5	-0.5%
79.0%	274.0	276.1	2.1	0.8%
80.2%	273.8	274.0	0.2	0.1%
81.5%	271.4	273.5	2.1	0.8%
82.7%	268.8	271.9	3.1	1.2%
84.0%	265.1	271.9	6.8	2.6%
85.2%	264.3	266.9	2.6	1.0%
86.4%	263.2	262.1	-1.1	-0.4%
87.7%	262.1	260.4	-1.7	-0.6%
88.9%	261.7	260.2	-1.5	-0.6%
90.1%	259.7	260.1	0.4	0.1%
91.4%	257.7	259.5	1.8	0.7%
92.6%	257.5	258.7	1.2	0.5%
93.8%	254.8	255.8	1.0	0.4%
95.1%	251.8	252.0	0.1	0.1%
96.3%	251.0	249.3	-1.7	-0.7%
97.5%	246.2	245.7	-0.5	-0.2%
98.8%	242.6	241.9	-0.7	-0.3%
100.0%	233.4	233.8	0.4	0.2%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	808.8	803.8	-5.1	-0.6%
1.2%	764.1	690.5	-73.6	-9.6%
2.5%	698.5	685.9	-12.6	-1.8%
3.7%	628.8	676.5	47.6	7.6%
4.9%	617.8	600.2	-17.6	-2.9%
6.2%	614.8	599.8	-15.0	-2.4%
7.4%	595.2	588.5	-6.7	-1.1%
8.6%	574.0	585.1	11.1	1.9%
9.9%	554.2	562.9	8.7	1.6%
11.1%	535.6	545.9	10.3	1.9%
12.3%	532.2	535.9	3.7	0.7%
13.6%	524.7	533.1	8.4	1.6%
14.8%	523.4	528.6	5.2	1.0%
16.0%	522.3	526.1	3.8	0.7%
17.3%	514.8	524.0	9.1	1.8%
18.5%	514.6	514.9	0.3	0.1%
19.8%	492.7	510.3	17.6	3.6%
21.0%	490.9	508.9	17.9	3.7%
22.2%	490.4	498.8	8.5	1.7%
23.5%	479.0	494.1	15.0	3.1%
24.7%	475.9	493.8	17.8	3.7%
25.9%	455.2	491.9	36.7	8.1%
27.2%	451.1	478.6	27.5	6.1%
28.4%	449.3	472.8	23.5	5.2%
29.6%	442.6	463.1	20.5	4.6%
30.9%	434.2	439.1	4.8	1.1%
32.1%	433.0	434.0	0.9	0.2%
33.3%	426.9	425.0	-2.0	-0.5%
34.6%	405.1	417.8	12.7	3.1%
35.8%	398.5	417.2	18.7	4.7%
37.0%	393.4	405.1	11.6	3.0%
38.3%	393.1	395.7	2.7	0.7%
39.5%	392.9	393.7	0.8	0.2%
40.7%	388.3	393.3	4.9	1.3%
42.0%	382.9	391.5	8.5	2.2%
43.2%	380.0	382.9	2.9	0.8%
44.4%	378.2	382.6	4.3	1.1%
45.7%	377.6	378.6	1.0	0.3%
46.9%	376.6	375.9	-0.7	-0.2%
48.1%	373.3	373.5	0.2	0.0%
49.4%	372.7	370.6	-2.0	-0.5%
50.6%	366.8	366.0	-0.8	-0.2%
51.9%	359.7	365.8	6.1	1.7%
53.1%	356.6	365.3	8.8	2.5%
54.3%	354.3	363.7	9.4	2.7%
55.6%	346.3	357.4	11.2	3.2%
56.8%	338.8	357.1	18.3	5.4%
58.0%	338.3	356.6	18.3	5.4%
59.3%	337.0	356.3	19.3	5.7%
60.5%	334.0	337.4	3.4	1.0%
61.7%	330.9	336.3	5.4	1.6%
63.0%	328.9	336.2	7.3	2.2%
64.2%	326.3	331.8	5.5	1.7%
65.4%	325.2	324.8	-0.4	-0.1%
66.7%	325.2	322.9	-2.3	-0.7%
67.9%	320.0	322.9	2.9	0.9%
69.1%	317.3	321.6	4.3	1.4%
70.4%	311.5	319.1	7.6	2.4%
71.6%	310.8	317.6	6.8	2.2%
72.8%	309.2	315.2	6.0	1.9%
74.1%	309.1	315.0	5.9	1.9%
75.3%	308.6	309.0	0.3	0.1%
76.5%	304.1	306.1	2.1	0.7%
77.8%	301.5	304.1	2.6	0.9%
79.0%	301.1	301.6	0.5	0.2%
80.2%	296.7	300.9	4.2	1.4%
81.5%	294.6	298.4	3.8	1.3%
82.7%	292.7	294.4	1.7	0.6%
84.0%	289.9	292.9	3.0	1.0%
85.2%	288.7	291.9	3.1	1.1%
86.4%	288.0	286.9	-1.1	-0.4%
87.7%	284.8	285.7	0.9	0.3%
88.9%	282.1	284.8	2.7	1.0%
90.1%	280.6	282.4	1.8	0.6%
91.4%	280.6	281.3	0.8	0.3%
92.6%	277.7	281.1	3.4	1.2%
93.8%	277.1	279.8	2.7	1.0%
95.1%	276.2	278.1	1.9	0.7%
96.3%	275.5	273.3	-2.2	-0.8%
97.5%	264.8	270.9	6.1	2.3%
98.8%	263.9	264.3	0.5	0.2%
100.0%	254.5	253.0	-1.6	-0.6%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	786.4	746.6	-39.8	-5.1%
1.2%	758.5	741.1	-17.3	-2.3%
2.5%	755.7	735.9	-19.8	-2.6%
3.7%	744.5	734.5	-10.0	-1.3%
4.9%	728.4	725.3	-3.1	-0.4%
6.2%	726.4	716.8	-9.7	-1.3%
7.4%	718.6	710.4	-8.2	-1.1%
8.6%	714.3	702.2	-12.1	-1.7%
9.9%	712.1	701.2	-10.9	-1.5%
11.1%	708.3	698.6	-9.7	-1.4%
12.3%	705.9	686.8	-19.1	-2.7%
13.6%	694.8	685.1	-9.7	-1.4%
14.8%	687.5	680.0	-7.5	-1.1%
16.0%	686.4	679.0	-7.4	-1.1%
17.3%	684.3	674.0	-10.3	-1.5%
18.5%	683.3	673.8	-9.5	-1.4%
19.8%	680.5	672.1	-8.3	-1.2%
21.0%	679.2	670.3	-8.9	-1.3%
22.2%	678.6	669.6	-9.0	-1.3%
23.5%	677.5	661.4	-16.0	-2.4%
24.7%	676.6	657.3	-19.3	-2.9%
25.9%	674.2	656.4	-17.8	-2.6%
27.2%	671.9	655.2	-16.7	-2.5%
28.4%	668.0	654.3	-13.7	-2.0%
29.6%	662.3	636.0	-26.3	-4.0%
30.9%	660.7	633.4	-27.3	-4.1%
32.1%	654.9	624.2	-30.7	-4.7%
33.3%	644.3	619.6	-24.8	-3.8%
34.6%	621.2	616.2	-5.0	-0.8%
35.8%	612.4	614.2	1.7	0.3%
37.0%	611.2	613.7	2.5	0.4%
38.3%	611.0	612.7	1.7	0.3%
39.5%	600.1	597.0	-3.1	-0.5%
40.7%	592.8	593.5	0.6	0.1%
42.0%	591.8	590.6	-1.2	-0.2%
43.2%	590.5	583.0	-7.5	-1.3%
44.4%	586.6	578.9	-7.7	-1.3%
45.7%	575.1	573.8	-1.3	-0.2%
46.9%	550.8	568.0	17.3	3.1%
48.1%	550.5	564.6	14.1	2.6%
49.4%	545.0	564.0	19.0	3.5%
50.6%	540.5	562.3	21.8	4.0%
51.9%	533.6	556.8	23.3	4.4%
53.1%	532.4	549.8	17.4	3.3%
54.3%	528.6	544.9	16.3	3.1%
55.6%	528.2	541.9	13.7	2.6%
56.8%	516.0	533.9	17.9	3.5%
58.0%	513.9	531.6	17.7	3.4%
59.3%	510.5	521.0	10.5	2.1%
60.5%	510.5	518.0	7.5	1.5%
61.7%	508.7	513.3	4.7	0.9%
63.0%	507.2	512.5	5.3	1.0%
64.2%	507.2	512.1	4.9	1.0%
65.4%	502.3	508.6	6.3	1.3%
66.7%	502.3	508.0	5.7	1.1%
67.9%	495.7	506.7	11.0	2.2%
69.1%	495.3	501.2	5.9	1.2%
70.4%	492.0	499.4	7.4	1.5%
71.6%	486.2	490.2	4.1	0.8%
72.8%	484.0	490.2	6.3	1.3%
74.1%	480.0	485.5	5.5	1.1%
75.3%	477.2	475.8	-1.4	-0.3%
76.5%	477.0	474.6	-2.5	-0.5%
77.8%	474.9	470.5	-4.4	-0.9%
79.0%	470.5	453.3	-17.3	-3.7%
80.2%	465.0	449.1	-15.9	-3.4%
81.5%	455.1	436.7	-18.4	-4.0%
82.7%	449.0	428.2	-20.8	-4.6%
84.0%	433.7	424.0	-9.7	-2.2%
85.2%	430.3	420.8	-9.5	-2.2%
86.4%	424.9	420.7	-4.2	-1.0%
87.7%	420.8	420.0	-0.7	-0.2%
88.9%	419.8	414.9	-4.8	-1.2%
90.1%	404.1	413.2	9.1	2.3%
91.4%	395.6	413.1	17.4	4.4%
92.6%	390.5	399.2	8.7	2.2%
93.8%	383.7	396.9	13.2	3.4%
95.1%	381.6	395.7	14.0	3.7%
96.3%	376.5	394.0	17.5	4.6%
97.5%	372.4	383.2	10.8	2.9%
98.8%	371.5	381.1	9.5	2.6%
100.0%	364.5	366.2	1.7	0.5%

Figure SQ-30-b
Victoria Canal at Alternative Intake, Monthly EC
Probability of Exceedance

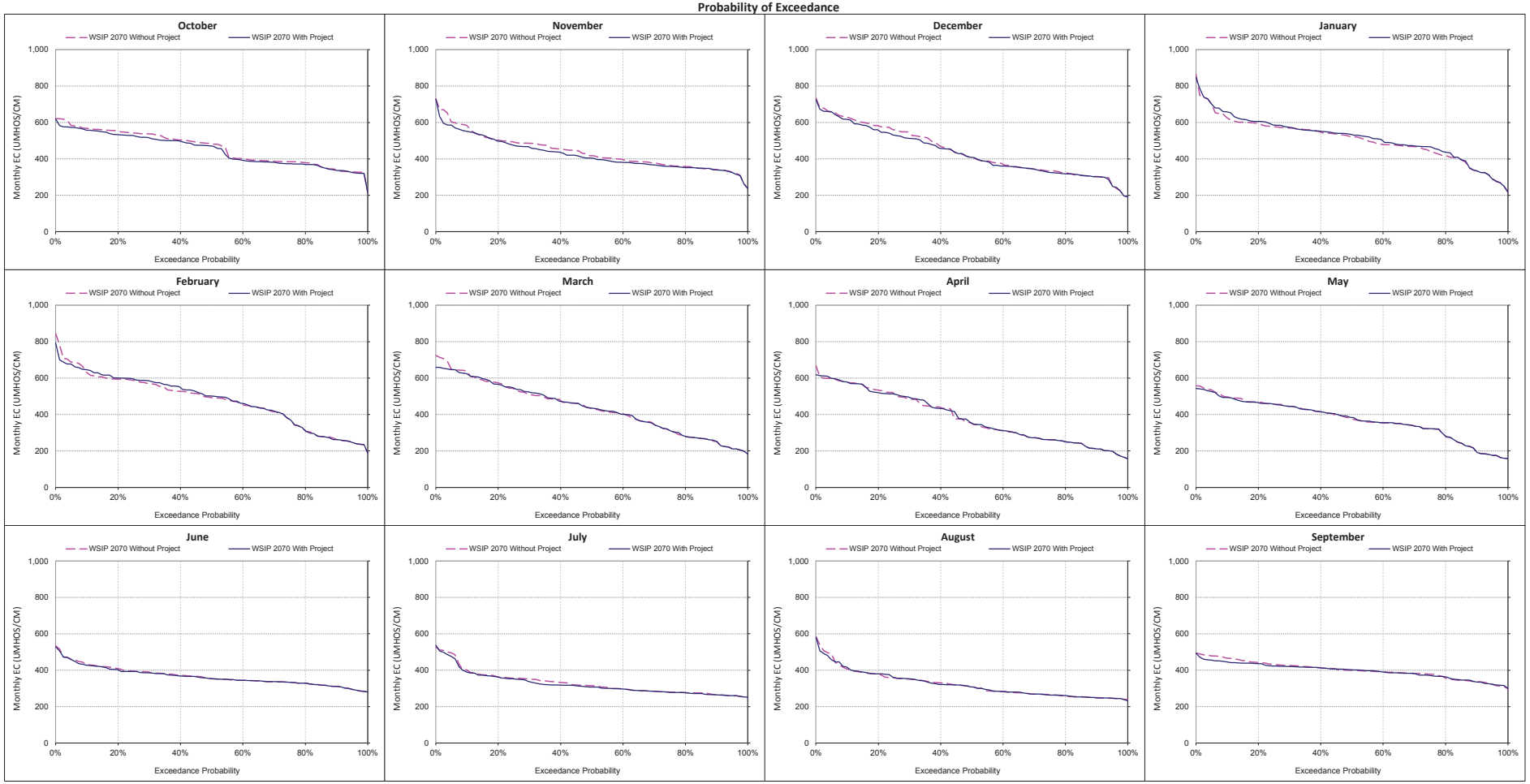


Table SQ-30-b

Victoria Canal at Alternative Intake, Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	620.5	618.9	-1.6	-0.3%
1.2%	620.4	583.1	-37.2	-6.0%
2.5%	618.2	575.1	-43.1	-7.0%
3.7%	611.8	575.1	-36.7	-6.0%
4.9%	583.8	572.7	-11.2	-1.9%
6.2%	580.1	571.5	-8.6	-1.5%
7.4%	578.1	568.9	-9.2	-1.6%
8.6%	569.4	563.9	-5.5	-1.0%
9.9%	568.0	557.5	-10.4	-1.8%
11.1%	566.7	556.7	-10.0	-1.8%
12.3%	562.1	554.1	-8.0	-1.4%
13.6%	562.0	552.9	-9.1	-1.6%
14.8%	560.1	548.1	-12.1	-2.2%
16.0%	557.9	547.3	-10.6	-1.9%
17.3%	556.7	538.3	-18.4	-3.3%
18.5%	555.8	534.4	-21.4	-3.8%
19.8%	555.0	532.8	-22.1	-4.0%
21.0%	547.9	531.5	-16.3	-3.0%
22.2%	546.5	530.1	-16.4	-3.0%
23.5%	543.9	529.3	-14.7	-2.7%
24.7%	541.6	528.6	-13.0	-2.4%
25.9%	541.5	523.5	-18.0	-3.3%
27.2%	538.5	518.7	-19.8	-3.7%
28.4%	537.5	518.3	-19.3	-3.6%
29.6%	537.5	517.5	-20.0	-3.7%
30.9%	536.9	510.5	-26.4	-4.9%
32.1%	532.1	507.0	-25.1	-4.7%
33.3%	531.1	503.6	-27.5	-5.2%
34.6%	519.7	501.4	-18.3	-3.5%
35.8%	510.6	500.4	-10.1	-2.0%
37.0%	510.1	500.3	-9.8	-1.9%
38.3%	507.2	499.7	-7.5	-1.5%
39.5%	503.5	499.3	-4.2	-0.8%
40.7%	503.3	492.4	-10.9	-2.2%
42.0%	501.4	486.7	-14.7	-2.9%
43.2%	497.1	486.5	-10.6	-2.1%
44.4%	494.4	476.3	-18.1	-3.7%
45.7%	489.6	474.2	-15.4	-3.1%
46.9%	488.0	474.1	-13.9	-2.8%
48.1%	485.8	472.8	-13.0	-2.7%
49.4%	485.4	471.2	-14.2	-2.9%
50.6%	480.5	469.0	-11.5	-2.4%
51.9%	480.5	457.4	-23.1	-4.8%
53.1%	471.9	455.4	-16.5	-3.5%
54.3%	463.8	424.8	-39.0	-8.4%
55.6%	407.9	404.3	-3.6	-0.9%
56.8%	405.4	398.5	-6.8	-1.7%
58.0%	402.0	397.4	-4.5	-1.1%
59.3%	401.8	394.2	-7.6	-1.9%
60.5%	401.5	390.4	-11.0	-2.8%
61.7%	396.0	387.7	-8.3	-2.1%
63.0%	392.9	385.6	-7.3	-1.9%
64.2%	392.9	385.3	-7.6	-1.9%
65.4%	390.8	384.7	-6.1	-1.6%
66.7%	389.7	383.6	-6.2	-1.6%
67.9%	389.0	383.1	-5.9	-1.5%
69.1%	388.1	381.4	-6.7	-1.7%
70.4%	386.1	380.7	-5.5	-1.4%
71.6%	385.4	376.2	-9.2	-2.4%
72.8%	384.4	374.7	-9.7	-2.5%
74.1%	384.3	373.6	-10.7	-2.8%
75.3%	383.9	373.6	-10.4	-2.7%
76.5%	383.8	372.4	-11.4	-3.0%
77.8%	383.0	372.3	-10.7	-2.8%
79.0%	380.9	371.8	-9.1	-2.4%
80.2%	378.4	369.1	-9.3	-2.5%
81.5%	378.0	368.5	-9.5	-2.5%
82.7%	370.4	368.2	-2.2	-0.6%
84.0%	368.5	363.7	-4.8	-1.3%
85.2%	354.6	354.9	0.2	0.1%
86.4%	350.7	349.2	-1.5	-0.4%
87.7%	344.9	343.0	-1.9	-0.6%
88.9%	344.5	339.8	-4.7	-1.4%
90.1%	341.5	335.5	-6.0	-1.8%
91.4%	331.7	335.5	3.7	1.1%
92.6%	331.0	335.3	4.3	1.3%
93.8%	329.8	331.0	1.2	0.4%
95.1%	329.0	324.6	-4.4	-1.4%
96.3%	327.0	321.4	-5.6	-1.7%
97.5%	326.8	319.9	-6.9	-2.1%
98.8%	326.4	319.8	-6.7	-2.0%
100.0%	216.0	216.7	0.6	0.3%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	730.5	726.5	-4.0	-0.5%
1.2%	670.6	634.6	-36.0	-5.4%
2.5%	669.5	595.4	-74.1	-11.1%
3.7%	651.2	586.5	-64.8	-9.9%
4.9%	603.2	585.3	-17.9	-3.0%
6.2%	598.3	570.6	-27.7	-4.6%
7.4%	589.2	563.6	-25.6	-4.3%
8.6%	589.1	555.6	-33.5	-5.7%
9.9%	584.8	552.2	-32.6	-5.6%
11.1%	560.1	547.5	-12.6	-2.3%
12.3%	541.4	543.8	2.4	0.4%
13.6%	535.5	534.2	-1.3	-0.2%
14.8%	526.0	531.3	5.3	1.0%
16.0%	517.4	524.9	7.5	1.4%
17.3%	515.9	511.4	-4.5	-0.9%
18.5%	504.3	508.8	4.5	0.9%
19.8%	504.1	497.6	-6.5	-1.3%
21.0%	499.3	496.1	-3.2	-0.6%
22.2%	498.0	489.9	-8.1	-1.6%
23.5%	495.5	482.1	-13.4	-2.7%
24.7%	493.5	475.3	-18.2	-3.7%
25.9%	488.0	470.4	-17.6	-3.6%
27.2%	486.6	469.4	-17.2	-3.5%
28.4%	486.4	467.7	-18.7	-3.8%
29.6%	486.1	467.2	-18.9	-3.9%
30.9%	485.3	457.3	-28.0	-5.8%
32.1%	484.0	455.8	-28.2	-5.8%
33.3%	477.8	450.7	-27.1	-5.7%
34.6%	475.5	447.6	-27.9	-5.9%
35.8%	474.6	441.7	-33.0	-6.9%
37.0%	458.6	439.5	-19.0	-4.2%
38.3%	456.9	439.2	-17.8	-3.9%
39.5%	453.9	437.9	-16.1	-3.5%
40.7%	452.3	431.2	-21.1	-4.7%
42.0%	449.0	420.9	-28.1	-6.3%
43.2%	447.4	420.3	-27.1	-6.1%
44.4%	446.8	420.2	-26.6	-6.0%
45.7%	444.9	415.4	-29.5	-6.6%
46.9%	430.6	408.8	-21.8	-5.1%
48.1%	428.6	404.7	-23.8	-5.6%
49.4%	417.2	404.6	-12.6	-3.0%
50.6%	417.1	402.9	-14.2	-3.4%
51.9%	410.4	396.6	-13.8	-3.4%
53.1%	405.7	396.1	-9.6	-2.4%
54.3%	405.3	393.6	-11.6	-2.9%
55.6%	404.0	389.4	-14.6	-3.6%
56.8%	402.8	384.5	-18.3	-4.5%
58.0%	399.9	381.9	-18.0	-4.5%
59.3%	398.9	381.1	-17.8	-4.5%
60.5%	393.5	380.5	-13.0	-3.3%
61.7%	387.9	380.0	-7.9	-2.0%
63.0%	386.3	377.4	-8.9	-2.3%
64.2%	385.6	374.7	-10.8	-2.8%
65.4%	383.7	374.3	-9.4	-2.4%
66.7%	383.5	373.1	-10.4	-2.7%
67.9%	382.5	369.7	-12.7	-3.3%
69.1%	378.3	367.4	-10.9	-2.9%
70.4%	377.7	365.7	-12.0	-3.2%
71.6%	372.6	362.7	-9.9	-2.6%
72.8%	367.9	360.8	-7.0	-1.9%
74.1%	367.0	358.9	-8.1	-2.2%
75.3%	363.1	358.4	-4.7	-1.3%
76.5%	360.4	357.6	-2.8	-0.8%
77.8%	360.2	356.3	-3.8	-1.1%
79.0%	358.7	353.9	-4.9	-1.4%
80.2%	357.7	352.0	-5.6	-1.6%
81.5%	356.7	351.8	-4.9	-1.4%
82.7%	353.3	351.6	-1.7	-0.5%
84.0%	348.6	349.4	0.8	0.2%
85.2%	347.1	349.2	2.1	0.6%
86.4%	345.5	347.9	2.5	0.7%
87.7%	345.3	347.0	1.8	0.5%
88.9%	343.1	340.5	-2.6	-0.7%
90.1%	340.6	338.9	-1.7	-0.5%
91.4%	338.6	337.4	-1.2	-0.4%
92.6%	335.6	336.7	1.2	0.3%
93.8%	333.2	330.9	-2.4	-0.7%
95.1%	326.1	324.6	-1.6	-0.5%
96.3%	321.7	314.9	-6.8	-2.1%
97.5%	308.3	309.2	0.9	0.3%
98.8%	262.1	261.8	-0.3	-0.1%
100.0%	236.6	237.2	0.5	0.2%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	734.5	725.8	-8.7	-1.2%
1.2%	681.6	672.2	-9.3	-1.4%
2.5%	679.2	661.4	-17.8	-2.6%
3.7%	665.1	660.0	-5.1	-0.8%
4.9%	652.9	659.4	6.5	1.0%
6.2%	652.3	642.8	-9.5	-1.5%
7.4%	638.8	630.9	-7.9	-1.2%
8.6%	633.5	619.0	-14.6	-2.3%
9.9%	630.8	617.8	-12.9	-2.0%
11.1%	622.2	613.4	-8.8	-1.4%
12.3%	614.2	592.4	-21.8	-3.5%
13.6%	603.6	591.3	-12.3	-2.0%
14.8%	601.6	585.1	-16.5	-2.7%
16.0%	597.3	583.2	-14.1	-2.4%
17.3%	593.5	573.6	-19.9	-3.3%
18.5%	583.4	560.6	-22.7	-3.9%
19.8%	582.3	560.0	-22.4	-3.8%
21.0%	575.8	546.0	-29.8	-5.2%
22.2%	574.9	545.1	-29.7	-5.2%
23.5%	573.2	541.8	-31.3	-5.5%
24.7%	559.5	531.4	-28.1	-5.0%
25.9%	559.2	526.7	-32.5	-5.8%
27.2%	548.9	524.0	-24.8	-4.5%
28.4%	548.3	515.4	-32.8	-6.0%
29.6%	547.7	512.8	-34.9	-6.4%
30.9%	527.8	511.5	-16.3	-3.1%
32.1%	526.7	510.0	-16.7	-3.2%
33.3%	522.5	505.1	-17.4	-3.3%
34.6%	519.8	487.7	-32.1	-6.2%
35.8%	515.0	486.5	-28.5	-5.5%
37.0%	498.0	479.2	-18.8	-3.8%
38.3%	489.1	473.5	-15.5	-3.2%
39.5%	473.6	459.4	-14.3	-3.0%
40.7%	463.1	455.9	-7.3	-1.6%
42.0%	461.7	454.5	-7.2	-1.6%
43.2%	450.0	452.4	2.4	0.5%
44.4%	438.0	436.1	-1.9	-0.4%
45.7%	429.9	429.1	-0.8	-0.2%
46.9%	425.7	428.2	2.6	0.6%
48.1%	415.2	415.9	0.7	0.2%
49.4%	409.5	408.2	-1.3	-0.3%
50.6%	404.7	407.5	2.9	0.7%
51.9%	395.0	397.6	2.7	0.7%
53.1%	390.0	389.5	-0.5	-0.1%
54.3%	389.7	388.0	-1.8	-0.5%
55.6%	386.5	382.2	-4.3	-1.1%
56.8%	379.5	364.9	-14.6	-3.8%
58.0%	377.6	364.1	-13.4	-3.6%
59.3%	376.5	360.2	-16.2	-4.3%
60.5%	365.2	359.9	-5.2	-1.4%
61.7%	364.6	359.5	-5.1	-1.4%
63.0%	356.0	356.9	0.9	0.2%
64.2%	354.8	356.8	2.0	0.6%
65.4%	354.4	351.2	-3.2	-0.9%
66.7%	351.1	350.6	-0.5	-0.1%
67.9%	348.3	347.0	-1.3	-0.4%
69.1%	346.6	345.9	-0.7	-0.2%
70.4%	342.9	341.4	-1.5	-0.4%
71.6%	340.7	335.7	-5.0	-1.5%
72.8%	337.5	333.7	-3.8	-1.1%
74.1%	333.5	328.0	-5.5	-1.6%
75.3%	333.4	324.9	-8.5	-2.5%
76.5%	333.4	323.5	-9.9	-3.0%
77.8%	329.3	321.5	-7.8	-2.4%
79.0%	323.2	319.2	-4.1	-1.3%
80.2%	323.1	317.6	-5.5	-1.7%
81.5%	318.6	317.2	-1.4	-0.5%
82.7%	312.9	315.8	3.0	0.9%
84.0%	309.9	313.9	4.0	1.3%
85.2%	309.4	308.3	-1.1	-0.4%
86.4%	306.1	307.9	1.8	0.6%
87.7%	306.0	306.5	0.5	0.2%
88.9%	303.1	302.5	-0.6	-0.2%
90.1%	302.9	301.5	-1.4	-0.5%
91.4%	301.9	299.8	-2.0	-0.7%
92.6%	299.5	299.5	0.0	0.0%
93.8%	296.2	286.7	-9.5	-3.2%
95.1%	252.7	248.9	-3.8	-1.5%
96.3%	238.4	244.0	5.6	2.3%
97.5%	224.7	225.0	0.3	0.1%
98.8%	196.4	196.6	0.2	0.1%
100.0%	191.4	192.0	0.5	0.3%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	865.1	847.2	-17.9	-2.1%
1.2%	749.4	787.1	37.7	5.0%
2.5%	736.2	739.2	3.0	0.4%
3.7%	730.3	730.6	0.2	0.0%
4.9%	703.3	703.4	0.1	0.0%
6.2%	653.6	680.6	27.0	4.1%
7.4%	648.5	679.1	30.5	4.7%
8.6%	647.3	660.2	12.8	2.0%
9.9%	626.3	658.4	32.1	5.1%
11.1%	613.6	653.3	39.7	6.5%
12.3%	606.8	631.3	24.6	4.1%
13.6%	601.7	623.4	21.7	3.6%
14.8%	601.4	616.5	15.1	2.5%
16.0%	601.3	616.1	14.8	2.5%
17.3%	599.2	609.0	9.8	1.6%
18.5%	597.0	606.1	9.1	1.5%
19.8%	596.2	606.0	9.8	1.6%
21.0%	587.3	605.1	17.8	3.0%
22.2%	580.6	602.9	22.3	3.8%
23.5%	579.0	596.2	17.2	3.0%
24.7%	576.3	585.1	8.8	1.5%
25.9%	575.2	585.0	9.8	1.7%
27.2%	572.5	583.7	11.2	2.0%
28.4%	571.4	577.2	5.8	1.0%
29.6%	569.3	573.9	4.6	0.8%
30.9%	568.8	571.1	2.3	0.4%
32.1%	566.1	564.9	-1.2	-0.2%
33.3%	565.4	561.2	-4.3	-0.8%
34.6%	561.6	558.6	-3.0	-0.5%
35.8%	559.9	557.5	-2.4	-0.4%
37.0%	559.8	555.7	-4.1	-0.7%
38.3%	555.3	553.5	-1.8	-0.3%
39.5%	549.9	552.3	2.3	0.4%
40.7%	542.6	550.5	7.9	1.5%
42.0%	541.5	548.0	6.5	1.2%
43.2%	540.1	545.6	5.4	1.0%
44.4%	537.3	541.4	4.1	0.8%
45.7%	536.6	540.0	3.5	0.6%
46.9%	532.0	540.0	8.0	1.5%
48.1%	529.2	539.2	10.0	1.9%
49.4%	522.9	535.6	12.7	2.4%
50.6%	521.7	530.6	8.9	1.7%
51.9%	519.5	529.7	10.2	2.0%
53.1%	512.0	525.2	13.2	2.6%
54.3%	506.9	523.3	16.4	3.2%
55.6%	495.8	520.3	24.5	4.9%
56.8%	492.0	511.8	19.9	4.0%
58.0%	484.5	510.7	26.2	5.4%
59.3%	480.6	507.4	26.8	5.6%
60.5%	478.0	490.2	12.2	2.5%
61.7%	477.9	489.7	11.9	2.5%
63.0%	476.9	487.0	10.1	2.1%
64.2%	475.6	479.7	4.2	0.9%
65.4%	472.9	477.3	4.4	0.9%
66.7%	470.8	476.7	5.9	1.2%
67.9%	467.9	473.0	5.2	1.1%
69.1%	467.6	472.7	5.1	1.1%
70.4%	466.9	469.7	2.8	0.6%
71.6%	464.6	468.5	3.9	0.8%
72.8%	453.8	467.9	14.1	3.1%
74.1%	450.7	467.8	17.1	3.8%
75.3%	436.9	465.2	28.3	6.5%
76.5%	433.2	456.6	23.4	5.4%
77.8%	426.6	451.6	25.1	5.9%
79.0%	418.1	440.1	22.0	5.3%
80.2%	417.4	436.6	19.2	4.6%
81.5%	408.9	433.0	24.1	5.9%
82.7%	408.7	409.3	0.6	0.1%
84.0%	401.4	409.0	7.6	1.9%
85.2%	393.8	394.7	0.9	0.2%
86.4%	381.4	389.3	7.9	2.1%
87.7%	348.7	351.5	2.7	0.8%
88.9%	338.5	338.2	-0.3	-0.1%
90.1%	333.1	333.2	0.1	0.0%
91.4%	324.9	325.3	0.4	0.1%
92.6%	324.6	325.1	0.5	0.2%
93.8%	312.2	312.2	0.0	0.0%
95.1%	292.0	288.1	-3.9	-1.3%
96.3%	274.6	277.5	3.0	1.1%
97.5%	270.2	267.5	-2.7	-1.0%
98.8%	249.6	249.9	0.2	0.1%
100.0%	217.1	217.2	0.1	0.0%

Table SQ-30-b

Victoria Canal at Alternative Intake, Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	843.8	793.7	-50.2	-5.9%
1.2%	783.9	701.1	-82.8	-10.6%
2.5%	709.1	688.1	-20.9	-3.0%
3.7%	705.0	677.6	-27.4	-3.9%
4.9%	688.0	677.1	-11.0	-1.6%
6.2%	686.6	661.2	-25.4	-3.7%
7.4%	681.1	657.3	-23.8	-3.5%
8.6%	664.4	647.4	-17.0	-2.6%
9.9%	632.0	645.8	13.8	2.2%
11.1%	615.4	642.0	26.7	4.3%
12.3%	612.8	628.5	15.8	2.6%
13.6%	607.4	628.5	21.1	3.5%
14.8%	606.5	617.2	10.7	1.8%
16.0%	600.8	616.9	16.1	2.7%
17.3%	595.2	616.5	21.2	3.6%
18.5%	595.2	602.6	7.5	1.3%
19.8%	594.7	601.2	6.5	1.1%
21.0%	594.4	600.8	6.5	1.1%
22.2%	594.0	599.8	5.8	1.0%
23.5%	591.4	599.4	7.9	1.3%
24.7%	588.3	596.1	7.7	1.3%
25.9%	585.9	589.1	3.2	0.5%
27.2%	577.4	587.4	10.0	1.7%
28.4%	575.6	587.2	11.6	2.0%
29.6%	570.0	586.6	16.6	2.9%
30.9%	568.0	580.2	12.2	2.2%
32.1%	564.8	575.6	10.8	1.9%
33.3%	554.0	575.4	21.4	3.9%
34.6%	553.8	567.1	13.3	2.4%
35.8%	535.9	563.1	27.2	5.1%
37.0%	533.0	556.5	23.5	4.4%
38.3%	530.8	556.1	25.3	4.8%
39.5%	527.7	553.8	26.1	4.9%
40.7%	527.2	537.5	10.3	2.0%
42.0%	524.9	535.0	10.2	1.9%
43.2%	518.2	534.6	16.3	3.2%
44.4%	516.2	529.7	13.5	2.6%
45.7%	515.0	520.6	5.6	1.1%
46.9%	502.1	513.6	11.4	2.3%
48.1%	496.4	502.8	6.4	1.3%
49.4%	494.3	501.6	7.3	1.5%
50.6%	491.2	500.2	9.0	1.8%
51.9%	490.3	497.5	7.1	1.5%
53.1%	490.0	496.8	6.7	1.4%
54.3%	483.5	494.5	11.0	2.3%
55.6%	478.1	487.0	8.9	1.9%
56.8%	472.7	474.2	1.4	0.3%
58.0%	469.5	473.1	3.6	0.8%
59.3%	461.3	461.6	0.3	0.1%
60.5%	450.5	459.7	9.2	2.0%
61.7%	449.3	450.6	1.3	0.3%
63.0%	442.4	443.5	1.1	0.2%
64.2%	441.2	442.1	0.9	0.2%
65.4%	436.0	436.9	0.9	0.2%
66.7%	434.0	434.3	0.3	0.1%
67.9%	425.5	425.6	0.0	0.0%
69.1%	417.6	424.1	6.5	1.6%
70.4%	415.3	416.5	1.2	0.3%
71.6%	407.7	410.5	2.8	0.7%
72.8%	402.9	403.7	0.9	0.2%
74.1%	382.1	382.4	0.3	0.1%
75.3%	371.2	370.2	-0.9	-0.2%
76.5%	341.9	344.0	2.1	0.6%
77.8%	338.5	338.6	0.1	0.0%
79.0%	325.1	328.1	3.0	0.9%
80.2%	307.0	307.7	0.7	0.2%
81.5%	304.7	298.5	-6.2	-2.0%
82.7%	294.8	295.1	0.3	0.1%
84.0%	281.3	281.8	0.5	0.2%
85.2%	279.0	279.2	0.2	0.1%
86.4%	278.6	277.5	-1.1	-0.4%
87.7%	276.6	272.8	-3.9	-1.4%
88.9%	271.2	262.1	-9.0	-3.3%
90.1%	262.1	262.0	0.0	0.0%
91.4%	257.1	259.2	2.1	0.8%
92.6%	256.2	257.1	0.9	0.4%
93.8%	253.2	254.0	0.8	0.3%
95.1%	246.8	247.5	0.7	0.3%
96.3%	239.5	239.8	0.3	0.1%
97.5%	236.0	237.3	1.3	0.6%
98.8%	234.9	235.2	0.3	0.1%
100.0%	189.5	189.6	0.1	0.0%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	724.4	658.6	-65.8	-9.1%
1.2%	714.1	658.5	-55.5	-7.8%
2.5%	706.7	653.7	-53.0	-7.5%
3.7%	691.7	650.4	-41.3	-6.0%
4.9%	650.1	646.4	-3.7	-0.6%
6.2%	644.8	646.0	1.2	0.2%
7.4%	643.9	629.9	-14.0	-2.2%
8.6%	643.1	628.2	-15.0	-2.3%
9.9%	639.9	625.5	-14.4	-2.3%
11.1%	609.9	609.9	0.0	0.0%
12.3%	606.0	607.8	1.8	0.3%
13.6%	594.2	605.6	11.4	1.9%
14.8%	590.3	598.0	7.8	1.3%
16.0%	582.5	592.9	10.5	1.8%
17.3%	582.2	584.8	2.6	0.4%
18.5%	578.3	568.3	-10.0	-1.7%
19.8%	574.8	566.8	-7.9	-1.4%
21.0%	569.0	562.0	-7.0	-1.2%
22.2%	552.8	551.8	-1.0	-0.2%
23.5%	545.1	551.5	6.4	1.2%
24.7%	544.3	547.3	3.0	0.5%
25.9%	529.9	537.2	7.3	1.4%
27.2%	525.0	536.8	11.8	2.3%
28.4%	522.3	526.9	4.6	0.9%
29.6%	510.5	525.4	14.9	2.9%
30.9%	507.7	519.0	11.3	2.2%
32.1%	504.3	517.4	13.1	2.6%
33.3%	503.6	512.9	9.3	1.9%
34.6%	497.4	506.8	9.4	1.9%
35.8%	486.4	492.5	6.1	1.3%
37.0%	486.2	489.7	3.5	0.7%
38.3%	485.8	488.0	2.3	0.5%
39.5%	483.4	473.6	-9.8	-2.0%
40.7%	467.3	469.0	1.6	0.4%
42.0%	466.3	467.5	1.2	0.2%
43.2%	463.5	463.0	-0.4	-0.1%
44.4%	463.2	462.1	-1.1	-0.2%
45.7%	460.1	460.2	0.1	0.0%
46.9%	457.3	447.9	-9.4	-2.0%
48.1%	439.9	440.8	0.9	0.2%
49.4%	435.1	437.3	2.2	0.5%
50.6%	431.1	433.8	2.7	0.6%
51.9%	426.8	431.5	4.7	1.1%
53.1%	419.6	425.6	6.0	1.4%
54.3%	417.4	420.3	2.9	0.7%
55.6%	413.5	418.3	4.8	1.2%
56.8%	410.8	417.6	6.8	1.7%
58.0%	409.7	410.4	0.7	0.2%
59.3%	405.8	402.6	-3.2	-0.8%
60.5%	401.2	401.1	-0.1	0.0%
61.7%	392.6	399.8	7.1	1.8%
63.0%	380.3	394.2	13.9	3.7%
64.2%	373.9	374.4	0.5	0.1%
65.4%	364.9	365.5	0.6	0.2%
66.7%	362.4	361.6	-0.8	-0.2%
67.9%	361.6	357.7	-3.9	-1.1%
69.1%	357.1	353.6	-3.6	-1.0%
70.4%	341.6	341.7	0.1	0.0%
71.6%	333.0	333.5	0.5	0.2%
72.8%	323.7	324.3	0.5	0.2%
74.1%	320.7	321.4	0.7	0.2%
75.3%	307.9	310.1	2.2	0.7%
76.5%	302.6	303.3	0.7	0.2%
77.8%	290.3	301.1	10.7	3.7%
79.0%	285.2	285.2	0.0	0.0%
80.2%	278.6	278.9	0.3	0.1%
81.5%	275.5	275.5	0.0	0.0%
82.7%	274.2	274.7	0.4	0.2%
84.0%	271.6	271.8	0.2	0.1%
85.2%	268.1	268.2	0.0	0.0%
86.4%	267.0	267.2	0.2	0.1%
87.7%	260.8	261.0	0.2	0.1%
88.9%	254.7	259.4	4.7	1.9%
90.1%	251.3	251.5	0.2	0.1%
91.4%	224.9	228.4	3.5	1.5%
92.6%	223.9	224.1	0.2	0.1%
93.8%	221.6	221.7	0.1	0.0%
95.1%	211.5	211.8	0.3	0.1%
96.3%	211.4	211.6	0.3	0.1%
97.5%	205.4	205.6	0.2	0.1%
98.8%	198.9	199.1	0.2	0.1%
100.0%	182.2	182.4	0.2	0.1%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	669.1	619.9	-49.3	-7.4%
1.2%	608.9	614.1	5.2	0.9%
2.5%	599.2	612.2	13.0	2.2%
3.7%	598.7	609.9	11.2	1.9%
4.9%	598.6	599.1	0.5	0.1%
6.2%	593.6	595.7	2.1	0.3%
7.4%	584.9	590.1	5.2	0.9%
8.6%	582.5	580.2	-2.4	-0.4%
9.9%	576.8	578.9	2.1	0.4%
11.1%	573.9	571.0	-2.9	-0.5%
12.3%	573.7	569.1	-4.6	-0.8%
13.6%	568.4	568.9	0.5	0.1%
14.8%	566.7	566.5	-0.2	0.0%
16.0%	548.3	549.2	0.9	0.2%
17.3%	546.3	528.3	-18.0	-3.3%
18.5%	537.6	522.9	-14.7	-2.7%
19.8%	534.8	521.1	-13.7	-2.6%
21.0%	531.1	516.8	-14.3	-2.7%
22.2%	522.1	515.0	-7.0	-1.3%
23.5%	521.3	514.1	-7.2	-1.4%
24.7%	521.0	513.6	-7.5	-1.4%
25.9%	499.6	508.9	9.3	1.9%
27.2%	496.5	502.2	5.8	1.2%
28.4%	494.5	498.8	4.4	0.9%
29.6%	484.5	496.3	11.8	2.4%
30.9%	483.6	488.0	4.4	0.9%
32.1%	483.3	486.1	2.7	0.6%
33.3%	460.5	481.3	20.8	4.5%
34.6%	448.4	478.9	30.5	6.8%
35.8%	447.2	461.2	13.9	3.1%
37.0%	445.0	441.0	-4.1	-0.9%
38.3%	442.4	435.7	-6.7	-1.5%
39.5%	441.3	434.0	-7.2	-1.6%
40.7%	433.9	433.0	-0.9	-0.2%
42.0%	433.6	425.3	-8.3	-1.9%
43.2%	429.8	421.0	-8.8	-2.1%
44.4%	375.6	414.8	39.1	10.4%
45.7%	375.6	380.1	4.6	1.2%
46.9%	374.4	375.7	1.3	0.4%
48.1%	356.6	374.8	18.2	5.1%
49.4%	356.1	358.4	2.2	0.6%
50.6%	345.0	346.2	1.2	0.4%
51.9%	344.0	345.0	1.0	0.3%
53.1%	332.5	344.0	11.6	3.5%
54.3%	327.5	333.1	5.6	1.7%
55.6%	322.0	328.0	6.1	1.9%
56.8%	319.1	322.0	2.9	0.9%
58.0%	316.8	316.9	0.1	0.0%
59.3%	313.0	313.0	0.0	0.0%
60.5%	310.9	311.2	0.3	0.1%
61.7%	305.2	308.6	3.4	1.1%
63.0%	303.5	303.6	0.0	0.0%
64.2%	298.6	299.6	1.1	0.4%
65.4%	289.1	289.2	0.1	0.0%
66.7%	286.5	288.1	1.5	0.5%
67.9%	276.8	276.9	0.1	0.0%
69.1%	272.1	272.3	0.2	0.1%
70.4%	272.0	271.9	-0.1	0.0%
71.6%	268.3	269.4	1.1	0.4%
72.8%	263.3	263.2	-0.1	0.0%
74.1%	261.9	261.9	0.0	0.0%
75.3%	261.0	261.2	0.2	0.1%
76.5%	260.7	260.5	-0.3	-0.1%
77.8%	257.3	257.4	0.1	0.0%
79.0%	255.0	255.0	0.0	0.0%
80.2%	248.7	249.3	0.5	0.2%
81.5%	248.6	248.6	0.0	0.0%
82.7%	245.0	244.2	-0.8	-0.3%
84.0%	243.5	243.6	0.1	0.0%
85.2%	241.6	241.8	0.3	0.1%
86.4%	225.1	225.2	0.2	0.1%
87.7%	215.5	215.3	-0.2	-0.1%
88.9%	214.1	214.7	0.6	0.3%
90.1%	211.5	211.5	0.0	0.0%
91.4%	210.4	209.8	-0.6	-0.3%
92.6%	201.4	201.9	0.5	0.2%
93.8%	201.3	201.6	0.3	0.1%
95.1%	198.9	198.8	-0.1	-0.1%
96.3%	182.7	182.8	0.1	0.1%
97.5%	173.0	173.2	0.2	0.1%
98.8%	165.2	166.2	1.0	0.6%
100.0%	156.7	156.6	-0.1	0.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	557.8	543.0	-14.9	-2.7%
1.2%	556.7	540.0	-16.7	-3.0%
2.5%	546.0	538.3	-7.7	-1.4%
3.7%	539.4	531.3	-8.1	-1.5%
4.9%	535.6	526.0	-9.7	-1.8%
6.2%	522.1	520.6	-1.5	-0.3%
7.4%	516.3	502.7	-13.5	-2.6%
8.6%	501.0	493.7	-7.2	-1.4%
9.9%	496.7	493.5	-3.2	-0.6%
11.1%	494.4	492.9	-1.5	-0.3%
12.3%	490.0	485.7	-4.2	-0.9%
13.6%	489.9	477.5	-12.4	-2.5%
14.8%	485.9	472.1	-13.7	-2.8%
16.0%	471.1	469.0	-2.1	-0.4%
17.3%	470.0	468.3	-1.7	-0.4%
18.5%	469.4	468.1	-1.3	-0.3%
19.8%	468.6	466.2	-2.4	-0.5%
21.0%	466.8	461.1	-5.7	-1.2%
22.2%	460.6	460.5	0.0	0.0%
23.5%	458.1	460.1	2.0	0.4%
24.7%	456.1	457.7	1.6	0.4%
25.9%	456.0	454.2	-1.8	-0.4%
27.2%	455.7	452.5	-3.2	-0.7%
28.4%	446.6	447.5	0.9	0.2%
29.6%	445.3	445.0	-0.3	-0.1%
30.9%	444.6	444.6	0.0	0.0%
32.1%	439.9	440.3	0.4	0.1%
33.3%	436.7	430.7	-5.9	-1.4%
34.6%	427.6	428.9	1.3	0.3%
35.8%	426.8	428.1	1.3	0.3%
37.0%	424.0	424.6	0.6	0.1%
38.3%	417.5	419.7	2.2	0.5%
39.5%	416.0	416.2	0.1	0.0%
40.7%	412.5	413.6	1.1	0.3%
42.0%	409.7	408.1	-1.6	-0.4%
43.2%	405.9	406.7	0.8	0.2%
44.4%	399.2	405.1	5.9	1.5%
45.7%	396.9	397.7	0.8	0.2%
46.9%	391.2	392.2	1.0	0.3%
48.1%	384.1	391.9	7.8	2.0%
49.4%	381.9	384.7	2.9	0.7%
50.6%	372.4	381.9	9.5	2.5%
51.9%	368.8	368.9	0.1	0.0%
53.1%	363.8	364.8	1.0	0.3%
54.3%	359.7	363.9	4.2	1.2%
55.6%	358.9	363.4	4.4	1.2%
56.8%	357.8	359.3	1.5	0.4%
58.0%	356.9	358.0	1.0	0.3%
59.3%	354.6	355.3	0.7	0.2%
60.5%	354.1	355.1	1.0	0.3%
61.7%	353.2	354.8	1.5	0.4%
63.0%	351.3	354.6	3.3	0.9%
64.2%	350.9	351.0	0.1	0.0%
65.4%	350.4	350.6	0.2	0.1%
66.7%	345.6	345.6	0.0	0.0%
67.9%	343.3	343.3	0.0	0.0%
69.1%	340.8	340.9	0.1	0.0%
70.4%	335.6	335.6	0.0	0.0%
71.6%	334.4	334.3	-0.1	0.0%
72.8%	323.0	323.1	0.1	0.0%
74.1%	321.7	322.3	0.6	0.2%
75.3%	321.4	321.9	0.6	0.2%
76.5%	320.4	320.5	0.1	0.0%
77.8%	318.5	320.5	1.9	0.6%
79.0%	296.1	296.3	0.1	0.0%
80.2%	276.6	277.8	1.3	0.5%
81.5%	274.3	275.6	1.3	0.5%
82.7%	260.6	260.7	0.1	0.0%
84.0%	247.7	247.8	0.0	0.0%
85.2%	242.0	242.8	0.8	0.3%
86.4%	227.4	228.1	0.7	0.3%
87.7%	225.2	225.4	0.2	0.1%
88.9%	216.1	217.1	1.1	0.5%
90.1%	190.5	190.6	0.2	0.1%
91.4%	185.2	185.5	0.2	0.1%
92.6%	184.3	184.7	0.5	0.3%
93.8%	180.4	180.8	0.4	0.2%
95.1%	175.6	175.8	0.2	0.1%
96.3%	174.5	174.9	0.4	0.2%
97.5%	163.8	164.1	0.3	0.2%
98.8%	159.9	160.4	0.5	0.3%
100.0%	157.6	157.8	0.2	0.1%

Table SQ-30-b

Victoria Canal at Alternative Intake, Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	533.3	528.7	-4.7	-0.9%
1.2%	516.9	505.1	-11.8	-2.3%
2.5%	473.2	471.5	-1.8	-0.4%
3.7%	471.7	470.7	-1.0	-0.2%
4.9%	460.4	459.1	-1.3	-0.3%
6.2%	457.6	448.7	-8.9	-1.9%
7.4%	447.5	436.0	-11.5	-2.6%
8.6%	444.5	432.6	-12.0	-2.7%
9.9%	433.2	427.8	-5.4	-1.2%
11.1%	428.4	425.2	-3.2	-0.7%
12.3%	426.9	422.6	-4.3	-1.0%
13.6%	421.5	421.8	0.3	0.1%
14.8%	419.5	419.2	-0.3	-0.1%
16.0%	419.5	414.5	-5.0	-1.2%
17.3%	416.9	405.5	-11.3	-2.7%
18.5%	412.5	404.9	-7.7	-1.9%
19.8%	409.6	404.4	-5.2	-1.3%
21.0%	404.4	393.3	-11.1	-2.8%
22.2%	396.3	393.2	-3.2	-0.8%
23.5%	395.6	392.6	-3.0	-0.7%
24.7%	395.2	392.5	-2.7	-0.7%
25.9%	392.8	392.5	-0.3	-0.1%
27.2%	391.7	387.7	-4.0	-1.0%
28.4%	391.7	386.3	-5.3	-1.4%
29.6%	390.9	386.1	-4.8	-1.2%
30.9%	385.9	383.9	-2.0	-0.5%
32.1%	383.7	382.0	-1.7	-0.4%
33.3%	383.4	381.7	-1.7	-0.5%
34.6%	380.7	381.0	0.3	0.1%
35.8%	378.9	374.4	-4.5	-1.2%
37.0%	378.9	373.0	-5.9	-1.5%
38.3%	374.4	371.8	-2.6	-0.7%
39.5%	372.2	368.3	-3.9	-1.0%
40.7%	371.7	367.9	-3.9	-1.0%
42.0%	369.5	366.2	-3.3	-0.9%
43.2%	367.9	365.8	-2.1	-0.6%
44.4%	366.6	365.3	-1.3	-0.4%
45.7%	365.6	361.3	-4.3	-1.2%
46.9%	363.7	358.9	-4.8	-1.3%
48.1%	356.7	356.9	0.2	0.1%
49.4%	353.3	354.9	1.6	0.4%
50.6%	352.4	352.8	0.5	0.1%
51.9%	350.8	351.6	0.7	0.2%
53.1%	349.9	350.0	0.1	0.0%
54.3%	349.8	350.0	0.2	0.1%
55.6%	348.1	349.3	1.2	0.3%
56.8%	344.9	348.1	3.2	0.9%
58.0%	344.7	345.0	0.3	0.1%
59.3%	344.2	344.9	0.7	0.2%
60.5%	344.2	344.1	-0.1	0.0%
61.7%	343.4	343.3	-0.1	0.0%
63.0%	342.5	342.4	-0.1	0.0%
64.2%	341.4	342.2	0.8	0.2%
65.4%	341.2	341.8	0.7	0.2%
66.7%	339.0	338.8	-0.3	-0.1%
67.9%	337.0	337.3	0.3	0.1%
69.1%	336.7	336.9	0.2	0.1%
70.4%	336.5	336.7	0.1	0.0%
71.6%	336.2	336.5	0.3	0.1%
72.8%	335.3	336.4	1.1	0.3%
74.1%	334.2	334.7	0.6	0.2%
75.3%	333.5	333.0	-0.6	-0.2%
76.5%	331.9	331.4	-0.5	-0.2%
77.8%	329.0	329.0	0.1	0.0%
79.0%	329.0	328.9	0.0	0.0%
80.2%	328.7	328.7	0.1	0.0%
81.5%	323.4	324.0	0.6	0.2%
82.7%	321.7	321.9	0.2	0.1%
84.0%	321.6	320.6	-1.0	-0.3%
85.2%	317.8	318.0	0.2	0.1%
86.4%	317.2	316.9	-0.2	-0.1%
87.7%	313.2	313.6	0.4	0.1%
88.9%	310.9	311.5	0.6	0.2%
90.1%	310.4	311.0	0.6	0.2%
91.4%	307.8	308.3	0.6	0.2%
92.6%	302.8	302.2	-0.6	-0.2%
93.8%	300.2	300.4	0.2	0.1%
95.1%	294.0	294.0	0.1	0.0%
96.3%	289.7	290.5	0.7	0.3%
97.5%	285.2	285.6	0.3	0.1%
98.8%	284.6	283.0	-1.6	-0.6%
100.0%	280.4	280.7	0.3	0.1%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	526.9	536.8	9.9	1.9%
1.2%	511.7	506.3	-5.4	-1.1%
2.5%	508.9	498.5	-10.4	-2.0%
3.7%	499.8	485.6	-14.2	-2.8%
4.9%	496.1	475.6	-20.5	-4.1%
6.2%	484.7	461.5	-23.2	-4.8%
7.4%	434.5	418.5	-16.0	-3.7%
8.6%	401.5	400.4	-1.0	-0.3%
9.9%	401.3	389.5	-11.8	-2.9%
11.1%	387.2	385.0	-2.2	-0.6%
12.3%	384.3	384.9	0.7	0.2%
13.6%	378.6	373.3	-5.3	-1.4%
14.8%	375.1	372.9	-2.2	-0.6%
16.0%	373.7	370.3	-3.4	-0.9%
17.3%	373.5	369.3	-4.2	-1.1%
18.5%	370.7	365.6	-5.1	-1.4%
19.8%	363.6	362.8	-0.8	-0.2%
21.0%	361.7	357.2	-4.4	-1.2%
22.2%	360.0	356.5	-3.6	-1.0%
23.5%	357.5	353.2	-4.3	-1.2%
24.7%	356.0	352.4	-3.6	-1.0%
25.9%	355.7	350.1	-5.5	-1.6%
27.2%	355.2	348.8	-6.3	-1.8%
28.4%	353.5	346.9	-6.7	-1.9%
29.6%	351.9	338.9	-13.0	-3.7%
30.9%	350.2	333.6	-16.6	-4.7%
32.1%	348.7	329.4	-19.4	-5.6%
33.3%	342.7	324.3	-18.4	-5.4%
34.6%	342.0	321.0	-21.0	-6.1%
35.8%	339.4	320.2	-19.2	-5.7%
37.0%	337.6	319.5	-18.2	-5.4%
38.3%	336.4	318.7	-17.6	-5.2%
39.5%	333.9	318.2	-15.8	-4.7%
40.7%	331.4	317.8	-13.5	-4.1%
42.0%	330.5	317.1	-13.3	-4.0%
43.2%	322.5	316.7	-5.9	-1.8%
44.4%	319.1	315.7	-3.4	-1.1%
45.7%	318.0	313.2	-4.8	-1.5%
46.9%	317.8	311.7	-6.1	-1.9%
48.1%	316.4	308.5	-7.9	-2.5%
49.4%	315.2	307.2	-8.0	-2.5%
50.6%	314.5	307.0	-7.5	-2.4%
51.9%	313.3	306.8	-6.5	-2.1%
53.1%	307.4	301.1	-6.2	-2.0%
54.3%	307.4	300.3	-7.1	-2.3%
55.6%	301.8	300.0	-1.8	-0.6%
56.8%	299.0	299.2	0.2	0.1%
58.0%	298.9	298.3	-0.7	-0.2%
59.3%	298.4	296.8	-1.6	-0.5%
60.5%	295.8	296.4	0.6	0.2%
61.7%	294.6	292.7	-1.9	-0.6%
63.0%	289.8	289.8	0.0	0.0%
64.2%	288.5	288.5	0.1	0.0%
65.4%	288.3	287.4	-0.9	-0.3%
66.7%	287.2	286.8	-0.4	-0.1%
67.9%	285.3	286.2	1.0	0.3%
69.1%	284.9	284.7	-0.2	-0.1%
70.4%	283.5	284.6	1.1	0.4%
71.6%	282.5	282.0	-0.5	-0.2%
72.8%	281.5	281.5	0.0	0.0%
74.1%	280.8	279.9	-0.9	-0.3%
75.3%	279.5	278.0	-1.5	-0.5%
76.5%	278.3	277.8	-0.5	-0.2%
77.8%	277.6	277.4	-0.2	-0.1%
79.0%	277.2	277.3	0.2	0.1%
80.2%	276.4	276.1	-0.3	-0.1%
81.5%	275.5	272.7	-2.9	-1.0%
82.7%	275.5	271.5	-4.0	-1.4%
84.0%	275.3	271.4	-3.9	-1.4%
85.2%	274.9	271.0	-3.9	-1.4%
86.4%	273.9	268.1	-5.8	-2.1%
87.7%	271.0	266.2	-4.8	-1.8%
88.9%	266.7	266.1	-0.6	-0.2%
90.1%	264.3	264.0	-0.3	-0.1%
91.4%	264.2	263.7	-0.6	-0.2%
92.6%	261.6	262.4	0.8	0.3%
93.8%	260.3	260.8	0.5	0.2%
95.1%	260.1	260.6	0.5	0.2%
96.3%	259.4	260.4	1.1	0.4%
97.5%	255.6	256.0	0.3	0.1%
98.8%	252.6	252.8	0.3	0.1%
100.0%	251.1	252.0	0.9	0.4%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	585.2	582.0	-3.2	-0.6%
1.2%	539.9	507.5	-32.4	-6.0%
2.5%	508.2	491.9	-16.4	-3.2%
3.7%	495.8	481.7	-14.1	-2.9%
4.9%	491.3	458.2	-33.1	-6.7%
6.2%	444.4	446.2	1.7	0.4%
7.4%	430.3	445.9	15.6	3.6%
8.6%	416.6	422.0	5.4	1.3%
9.9%	406.8	417.8	11.0	2.7%
11.1%	403.3	401.0	-2.3	-0.6%
12.3%	394.6	395.8	1.3	0.3%
13.6%	391.8	393.7	2.0	0.5%
14.8%	388.5	390.3	1.8	0.5%
16.0%	384.9	388.0	3.1	0.8%
17.3%	381.2	383.0	1.8	0.5%
18.5%	380.3	379.8	-0.5	-0.1%
19.8%	380.1	379.7	-0.3	-0.1%
21.0%	372.8	379.6	6.7	1.8%
22.2%	361.2	376.9	15.7	4.4%
23.5%	360.4	376.4	16.0	4.4%
24.7%	360.0	361.9	1.9	0.5%
25.9%	356.1	356.2	0.1	0.0%
27.2%	353.0	355.2	2.1	0.6%
28.4%	352.6	354.5	1.8	0.5%
29.6%	351.5	352.6	1.2	0.3%
30.9%	349.1	351.2	2.0	0.6%
32.1%	349.0	347.2	-1.8	-0.5%
33.3%	346.8	342.9	-3.9	-1.1%
34.6%	341.6	341.2	-0.5	-0.1%
35.8%	338.4	334.0	-4.4	-1.3%
37.0%	334.5	329.0	-5.5	-1.6%
38.3%	332.3	326.2	-6.1	-1.8%
39.5%	330.9	322.1	-8.8	-2.7%
40.7%	329.6	321.6	-8.0	-2.4%
42.0%	327.4	320.2	-7.2	-2.2%
43.2%	322.7	320.1	-2.6	-0.8%
44.4%	320.3	318.1	-2.2	-0.7%
45.7%	319.3	318.0	-1.3	-0.4%
46.9%	315.9	317.7	1.8	0.6%
48.1%	313.7	314.6	0.8	0.3%
49.4%	312.5	308.8	-3.6	-1.2%
50.6%	307.4	307.6	0.2	0.1%
51.9%	300.4	300.8	0.5	0.2%
53.1%	300.4	300.3	-0.1	0.0%
54.3%	287.1	294.8	7.6	2.7%
55.6%	286.2	291.8	5.6	2.0%
56.8%	284.5	285.3	0.7	0.3%
58.0%	283.5	285.1	1.6	0.6%
59.3%	282.4	283.5	1.2	0.4%
60.5%	280.9	282.7	1.8	0.6%
61.7%	278.3	280.8	2.6	0.9%
63.0%	277.3	280.4	3.1	1.1%
64.2%	276.5	279.6	3.1	1.1%
65.4%	276.3	279.1	2.8	1.0%
66.7%	274.3	275.2	0.9	0.3%
67.9%	272.1	272.0	-0.1	0.0%
69.1%	268.7	269.1	0.4	0.2%
70.4%	268.5	268.5	-0.1	0.0%
71.6%	267.8	268.5	0.7	0.2%
72.8%	267.4	267.8	0.4	0.1%
74.1%	266.5	264.8	-1.7	-0.6%
75.3%	264.5	263.8	-0.7	-0.3%
76.5%	263.6	263.4	-0.2	-0.1%
77.8%	261.9	263.1	1.2	0.5%
79.0%	259.0	262.3	3.3	1.3%
80.2%	256.3	260.5	4.3	1.7%
81.5%	255.9	257.6	1.6	0.6%
82.7%	255.4	253.6	-1.8	-0.7%
84.0%	254.8	252.7	-2.2	-0.8%
85.2%	254.2	252.5	-1.6	-0.6%
86.4%	252.6	252.0	-0.6	-0.2%
87.7%	251.9	249.9	-2.0	-0.8%
88.9%	251.1	249.7	-1.5	-0.6%
90.1%	249.0	248.0	-1.0	-0.4%
91.4%	248.4	247.3	-1.1	-0.5%
92.6%	247.8	247.0	-0.8	-0.3%
93.8%	246.5	246.8	0.4	0.1%
95.1%	245.7	245.7	0.0	0.0%
96.3%	244.4	245.0	0.7	0.3%
97.5%	243.4	244.4	1.0	0.4%
98.8%	239.9	239.3	-0.5	-0.2%
100.0%	238.5	231.9	-6.7	-2.8%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	493.8	494.3	0.5	0.1%
1.2%	489.5	471.9	-17.6	-3.6%
2.5%	484.4	460.1	-24.3	-5.0%
3.7%	482.9	457.2	-25.7	-5.3%
4.9%	478.7	456.2	-22.6	-4.7%
6.2%	478.2	451.4	-26.8	-5.6%
7.4%	476.1	451.3	-24.8	-5.2%
8.6%	472.5	448.0	-24.4	-5.2%
9.9%	465.4	445.5	-19.9	-4.3%
11.1%	464.8	441.8	-23.0	-4.9%
12.3%	461.9	441.3	-20.5	-4.4%
13.6%	458.2	439.6	-18.6	-4.1%
14.8%	453.1	438.8	-14.3	-3.1%
16.0%	452.2	438.7	-13.5	-3.0%
17.3%	445.6	438.7	-6.9	-1.6%
18.5%	443.6	436.6	-7.0	-1.6%
19.8%	442.9	435.9	-7.1	-1.6%
21.0%	441.0	435.8	-5.1	-1.2%
22.2%	439.2	426.7	-12.4	-2.8%
23.5%	433.8	424.5	-9.3	-2.2%
24.7%	431.5	422.9	-8.6	-2.0%
25.9%	430.4	422.3	-8.1	-1.9%
27.2%	427.8	421.4	-6.4	-1.5%
28.4%	426.6	421.2	-5.4	-1.3%
29.6%	426.2	419.6	-6.6	-1.6%
30.9%	424.8	419.5	-5.3	-1.2%
32.1%	424.4	418.7	-5.7	-1.3%
33.3%	422.8	417.9	-4.9	-1.2%
34.6%	419.8	416.8	-3.0	-0.7%
35.8%	419.8	416.3	-3.4	-0.8%
37.0%	416.7	415.8	-0.9	-0.2%
38.3%	414.8	415.5	0.7	0.2%
39.5%	414.3	413.1	-1.2	-0.3%
40.7%	411.8	411.9	0.2	0.0%
42.0%	410.9	410.2	-0.7	-0.2%
43.2%	409.6	407.8	-1.8	-0.4%
44.4%	408.6	406.6	-2.0	-0.5%
45.7%	401.7	405.8	4.1	1.0%
46.9%	400.5	405.7	5.2	1.3%
48.1%	400.0	403.7	3.6	0.9%
49.4%	399.5	403.0	3.5	0.9%
50.6%	399.1	402.2	3.1	0.8%
51.9%	397.6	401.9	4.2	1.1%
53.1%	396.5	399.6	3.1	0.8%
54.3%	395.3	397.2	1.9	0.5%
55.6%	394.3	397.1	2.8	0.7%
56.8%	393.6	396.8	3.2	0.8%
58.0%	393.1	393.9	0.8	0.2%
59.3%	392.6	392.0	-0.6	-0.1%
60.5%	390.5	388.7	-1.8	-0.5%
61.7%	389.2	385.7	-3.5	-0.9%
63.0%	388.5	385.6	-2.9	-0.7%
64.2%	386.7	385.4	-1.3	-0.3%
65.4%	386.3	384.1	-2.2	-0.6%
66.7%	385.3	383.7	-1.6	-0.4%
67.9%	385.0	383.2	-1.7	-0.4%
69.1%	383.4	382.4	-1.0	-0.3%
70.4%	382.3	380.0	-2.2	-0.6%
71.6%	381.9	373.3	-8.6	-2.3%
72.8%	380.7	372.8	-7.9	-2.1%
74.1%	379.3	372.7	-6.6	-1.7%
75.3%	377.8	369.4	-8.4	-2.2%
76.5%	377.6	367.7	-9.9	-2.6%
77.8%	370.5	366.2	-4.3	-1.1%
79.0%	365.5	366.1	0.6	0.2%
80.2%	355.1	362.5	7.5	2.1%
81.5%	349.8	354.5	4.7	1.3%
82.7%	348.1	350.7	2.7	0.8%
84.0%	344.4	349.3	4.9	1.4%
85.2%	344.3	346.6	2.2	0.6%
86.4%	343.5	346.2	2.7	0.8%
87.7%	340.7	345.4	4.7	1.4%
88.9%	338.0	338.3	0.3	0.1%
90.1%	337.8	335.0	-2.8	-0.8%
91.4%	335.2	333.9	-1.3	-0.4%
92.6%	333.0	327.5	-5.4	-1.6%
93.8%	327.3	326.2	-1.2	-0.4%
95.1%	323.4	322.0	-1.4	-0.4%
96.3%	314.6	319.2	4.6	1.5%
97.5%	313.6	316.9	3.3	1.1%
98.8%	309.6	315.6	6.0	1.9%
100.0%	298.4	299.7	1.3	0.4%

Figure SQ-31-b
Clifton Court Forebay, Monthly EC
Probability of Exceedance

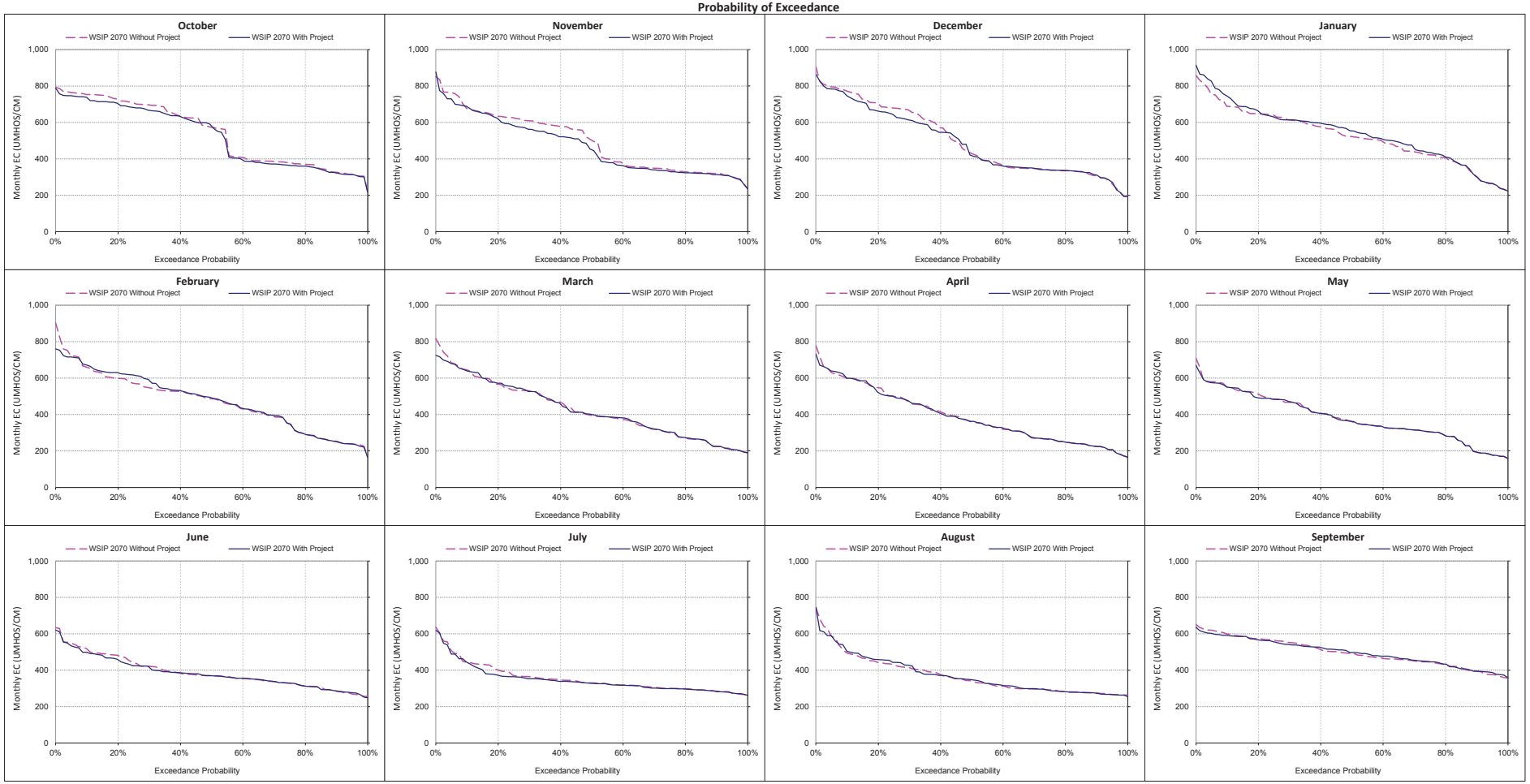


Table SQ-31-b

Clifton Court Forebay, Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	793.4	788.2	-5.1	-0.6%
1.2%	786.6	756.4	-30.2	-3.8%
2.5%	770.8	749.0	-21.9	-2.8%
3.7%	769.7	747.3	-22.3	-2.9%
4.9%	764.2	747.1	-17.0	-2.2%
6.2%	762.7	744.6	-18.1	-2.4%
7.4%	759.1	741.8	-17.3	-2.3%
8.6%	758.9	741.5	-17.4	-2.3%
9.9%	753.4	739.0	-14.4	-1.9%
11.1%	753.1	720.6	-32.6	-4.3%
12.3%	753.0	719.6	-33.4	-4.4%
13.6%	751.1	714.3	-36.8	-4.9%
14.8%	749.5	713.7	-35.8	-4.8%
16.0%	749.0	713.5	-35.5	-4.7%
17.3%	740.3	711.6	-28.7	-3.9%
18.5%	732.0	711.0	-20.9	-2.9%
19.8%	728.6	705.0	-23.6	-3.2%
21.0%	717.8	691.9	-25.9	-3.6%
22.2%	717.7	691.8	-25.9	-3.6%
23.5%	712.5	686.0	-26.5	-3.7%
24.7%	709.6	682.8	-26.7	-3.8%
25.9%	700.6	680.0	-20.6	-2.9%
27.2%	699.6	679.9	-19.7	-2.8%
28.4%	698.9	676.0	-22.9	-3.3%
29.6%	696.7	667.1	-29.6	-4.2%
30.9%	694.3	663.7	-30.6	-4.4%
32.1%	694.0	663.4	-30.6	-4.4%
33.3%	688.5	660.2	-28.3	-4.1%
34.6%	686.5	650.8	-35.7	-5.2%
35.8%	659.1	643.6	-15.4	-2.3%
37.0%	654.9	637.6	-17.4	-2.7%
38.3%	645.3	636.7	-8.6	-1.3%
39.5%	636.5	636.2	-0.3	0.0%
40.7%	631.5	627.6	-3.9	-0.6%
42.0%	626.2	618.5	-7.8	-1.2%
43.2%	624.9	612.0	-12.9	-2.1%
44.4%	624.5	604.0	-20.5	-3.3%
45.7%	622.3	598.5	-23.9	-3.8%
46.9%	585.3	598.4	13.0	2.2%
48.1%	582.2	598.3	16.1	2.8%
49.4%	575.0	591.7	16.7	2.9%
50.6%	572.6	567.1	-5.5	-1.0%
51.9%	565.3	550.9	-14.4	-2.5%
53.1%	564.6	545.1	-19.5	-3.5%
54.3%	562.1	507.8	-54.3	-9.7%
55.6%	416.9	408.3	-8.6	-2.1%
56.8%	413.2	404.7	-8.6	-2.1%
58.0%	409.7	404.3	-5.4	-1.3%
59.3%	409.5	399.9	-9.7	-2.4%
60.5%	404.9	387.9	-17.0	-4.2%
61.7%	395.1	386.6	-8.5	-2.2%
63.0%	390.1	386.4	-3.7	-1.0%
64.2%	389.6	380.7	-8.9	-2.3%
65.4%	389.4	379.9	-9.4	-2.4%
66.7%	388.9	376.5	-12.4	-3.2%
67.9%	387.4	373.5	-13.9	-3.6%
69.1%	387.3	371.3	-16.0	-4.1%
70.4%	385.1	371.2	-13.8	-3.6%
71.6%	383.3	369.7	-13.6	-3.6%
72.8%	382.9	367.1	-15.8	-4.1%
74.1%	380.3	365.5	-14.8	-3.9%
75.3%	379.7	363.8	-15.9	-4.2%
76.5%	373.4	363.1	-10.3	-2.8%
77.8%	373.2	360.8	-12.4	-3.3%
79.0%	370.6	360.6	-9.9	-2.7%
80.2%	369.7	360.6	-9.1	-2.5%
81.5%	368.5	355.7	-12.9	-3.5%
82.7%	368.0	353.7	-14.3	-3.9%
84.0%	350.6	347.4	-3.2	-0.9%
85.2%	344.8	341.1	-3.8	-1.1%
86.4%	343.1	335.1	-8.0	-2.3%
87.7%	329.1	326.2	-2.9	-0.9%
88.9%	327.2	325.7	-1.5	-0.5%
90.1%	325.8	322.4	-3.4	-1.1%
91.4%	322.0	317.7	-4.4	-1.4%
92.6%	321.1	315.3	-5.8	-1.8%
93.8%	315.2	315.1	-0.1	0.0%
95.1%	314.4	314.2	-0.2	-0.1%
96.3%	306.9	308.9	2.1	0.7%
97.5%	305.7	302.0	-3.7	-1.2%
98.8%	305.1	301.3	-3.8	-1.2%
100.0%	216.8	217.1	0.3	0.1%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	851.9	877.1	25.2	3.0%
1.2%	835.2	775.5	-59.7	-7.1%
2.5%	767.0	758.1	-8.9	-1.2%
3.7%	766.2	729.7	-36.5	-4.8%
4.9%	765.1	729.6	-35.4	-4.6%
6.2%	757.5	699.4	-58.2	-7.7%
7.4%	742.1	697.3	-44.7	-6.0%
8.6%	702.9	692.5	-10.4	-1.5%
9.9%	677.0	688.7	11.7	1.7%
11.1%	668.1	674.4	6.3	0.9%
12.3%	666.5	662.4	-4.1	-0.6%
13.6%	657.1	661.4	4.3	0.7%
14.8%	655.8	651.9	-3.9	-0.6%
16.0%	654.5	650.0	-4.5	-0.7%
17.3%	649.0	642.9	-6.0	-0.9%
18.5%	640.2	631.5	-8.7	-1.4%
19.8%	634.2	623.5	-10.7	-1.7%
21.0%	632.9	602.0	-31.0	-4.9%
22.2%	629.1	594.1	-35.0	-5.6%
23.5%	627.3	592.3	-35.1	-5.6%
24.7%	626.5	584.7	-41.8	-6.7%
25.9%	620.6	576.7	-43.8	-7.1%
27.2%	619.2	574.2	-44.9	-7.3%
28.4%	611.5	571.0	-40.5	-6.6%
29.6%	609.8	562.8	-47.0	-7.7%
30.9%	608.4	561.8	-46.6	-7.7%
32.1%	605.3	554.2	-51.0	-8.4%
33.3%	594.8	551.9	-42.9	-7.2%
34.6%	593.7	551.0	-42.8	-7.2%
35.8%	585.8	540.8	-45.0	-7.7%
37.0%	585.7	538.2	-47.5	-8.1%
38.3%	582.6	532.7	-49.9	-8.6%
39.5%	579.3	521.5	-57.8	-10.0%
40.7%	578.0	521.3	-56.7	-9.8%
42.0%	575.8	518.6	-57.2	-9.9%
43.2%	565.2	516.3	-48.9	-8.6%
44.4%	560.9	510.6	-50.2	-9.0%
45.7%	559.7	509.6	-50.1	-9.0%
46.9%	557.8	490.5	-67.2	-12.1%
48.1%	521.2	485.6	-35.6	-6.8%
49.4%	508.0	454.8	-53.2	-10.5%
50.6%	495.0	444.2	-50.7	-10.3%
51.9%	491.8	415.5	-76.3	-15.5%
53.1%	408.9	384.9	-24.0	-5.9%
54.3%	400.2	383.6	-16.6	-4.1%
55.6%	398.6	379.1	-19.5	-4.9%
56.8%	385.3	378.2	-7.1	-1.8%
58.0%	383.2	366.2	-17.0	-4.4%
59.3%	383.0	365.2	-17.8	-4.7%
60.5%	367.2	359.9	-7.3	-2.0%
61.7%	358.8	352.4	-6.4	-1.8%
63.0%	356.8	350.5	-6.2	-1.7%
64.2%	356.6	348.2	-8.3	-2.3%
65.4%	354.2	348.2	-6.0	-1.7%
66.7%	354.1	346.8	-7.3	-2.0%
67.9%	350.4	346.0	-4.4	-1.3%
69.1%	349.9	339.7	-10.2	-2.9%
70.4%	348.0	338.6	-9.4	-2.7%
71.6%	347.6	335.6	-12.0	-3.4%
72.8%	345.9	335.6	-10.3	-3.0%
74.1%	345.3	335.1	-10.2	-3.0%
75.3%	337.6	329.5	-8.1	-2.4%
76.5%	337.5	328.3	-9.3	-2.7%
77.8%	331.3	326.4	-4.9	-1.5%
79.0%	330.3	324.6	-5.7	-1.7%
80.2%	328.0	323.5	-4.5	-1.4%
81.5%	326.6	323.4	-3.2	-1.0%
82.7%	326.2	321.1	-5.1	-1.6%
84.0%	324.9	320.7	-4.2	-1.3%
85.2%	324.8	320.5	-4.3	-1.3%
86.4%	321.4	319.4	-2.1	-0.6%
87.7%	321.1	318.4	-2.7	-0.9%
88.9%	319.9	313.9	-6.1	-1.9%
90.1%	319.7	313.2	-6.6	-2.0%
91.4%	318.5	311.2	-7.3	-2.3%
92.6%	309.9	308.9	-1.0	-0.3%
93.8%	309.2	307.6	-1.5	-0.5%
95.1%	302.4	300.4	-2.0	-0.7%
96.3%	294.2	292.0	-2.2	-0.8%
97.5%	283.8	288.7	4.9	1.7%
98.8%	263.2	259.6	-3.6	-1.4%
100.0%	233.8	234.1	0.3	0.1%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	904.5	863.9	-40.7	-4.5%
1.2%	825.9	826.4	0.5	0.1%
2.5%	809.9	800.4	-9.5	-1.2%
3.7%	803.2	785.3	-18.0	-2.2%
4.9%	795.1	783.8	-11.4	-1.4%
6.2%	794.8	782.0	-12.8	-1.6%
7.4%	782.5	774.2	-8.3	-1.1%
8.6%	780.9	770.0	-10.9	-1.4%
9.9%	773.0	746.5	-26.5	-3.4%
11.1%	766.0	735.0	-31.0	-4.1%
12.3%	759.2	724.2	-35.0	-4.6%
13.6%	755.5	715.5	-40.0	-5.3%
14.8%	728.1	711.6	-16.5	-2.3%
16.0%	725.7	705.6	-20.1	-2.8%
17.3%	709.7	670.4	-39.3	-5.5%
18.5%	708.7	669.0	-39.7	-5.6%
19.8%	707.8	663.0	-44.9	-6.3%
21.0%	685.8	658.3	-27.4	-4.0%
22.2%	684.3	656.9	-27.5	-4.0%
23.5%	680.5	651.7	-28.8	-4.2%
24.7%	679.6	644.6	-35.0	-5.1%
25.9%	678.1	627.4	-50.7	-7.5%
27.2%	675.4	624.0	-51.5	-7.6%
28.4%	673.0	620.0	-53.1	-7.9%
29.6%	669.0	614.4	-54.5	-8.2%
30.9%	654.9	609.9	-45.0	-6.9%
32.1%	653.7	601.5	-52.2	-8.0%
33.3%	636.8	594.7	-42.1	-6.6%
34.6%	617.9	591.7	-26.3	-4.2%
35.8%	615.4	587.0	-28.4	-4.6%
37.0%	606.3	559.5	-46.9	-7.7%
38.3%	596.8	556.8	-40.0	-6.7%
39.5%	571.1	546.5	-24.6	-4.3%
40.7%	569.7	546.4	-23.3	-4.1%
42.0%	543.7	544.9	1.1	0.2%
43.2%	510.6	542.2	31.6	6.2%
44.4%	496.6	523.5	26.9	5.4%
45.7%	496.5	508.7	12.2	2.4%
46.9%	457.1	479.7	22.7	5.0%
48.1%	443.9	479.5	35.6	8.0%
49.4%	434.1	421.3	-12.8	-2.9%
50.6%	424.6	413.8	-10.8	-2.6%
51.9%	415.9	409.7	-6.2	-1.5%
53.1%	393.0	394.1	1.1	0.3%
54.3%	391.0	390.8	-0.3	-0.1%
55.6%	388.3	386.8	-1.5	-0.4%
56.8%	385.4	368.1	-17.3	-4.5%
58.0%	376.8	367.4	-9.5	-2.5%
59.3%	370.2	362.8	-7.3	-2.0%
60.5%	360.1	359.6	-0.5	-0.1%
61.7%	352.8	358.4	5.5	1.6%
63.0%	351.2	355.8	4.6	1.3%
64.2%	349.6	355.1	5.5	1.6%
65.4%	348.5	352.5	4.0	1.1%
66.7%	348.5	351.2	2.8	0.8%
67.9%	347.0	350.8	3.8	1.1%
69.1%	346.9	350.5	3.7	1.1%
70.4%	346.8	346.9	0.1	0.0%
71.6%	346.8	342.1	-4.7	-1.4%
72.8%	342.2	340.7	-1.4	-0.4%
74.1%	340.3	340.4	0.1	0.0%
75.3%	339.3	337.4	-1.9	-0.6%
76.5%	338.6	337.3	-1.3	-0.4%
77.8%	338.2	337.0	-1.2	-0.4%
79.0%	337.3	335.2	-2.1	-0.6%
80.2%	336.9	334.9	-2.0	-0.6%
81.5%	333.7	334.1	0.4	0.1%
82.7%	333.7	333.0	-0.6	-0.2%
84.0%	330.5	330.8	0.3	0.1%
85.2%	327.6	329.8	2.2	0.7%
86.4%	325.0	325.4	0.4	0.1%
87.7%	315.4	325.1	9.7	3.1%
88.9%	308.6	314.6	6.0	1.9%
90.1%	307.6	309.9	2.3	0.7%
91.4%	294.9	295.4	0.5	0.2%
92.6%	294.5	294.0	-0.5	-0.2%
93.8%	284.2	285.1	0.9	0.3%
95.1%	261.6	270.6	9.1	3.5%
96.3%	238.8	230.3	-8.5	-3.5%
97.5%	215.8	215.7	0.0	0.0%
98.8%	194.5	194.0	-0.5	-0.3%
100.0%	193.8	193.9	0.1	0.1%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	858.7	915.5	56.8	6.6%
1.2%	831.9	866.0	34.1	4.1%
2.5%	815.1	861.1	46.0	5.6%
3.7%	791.3	839.1	47.8	6.0%
4.9%	754.6	826.6	71.9	9.5%
6.2%	751.2	788.8	37.6	5.0%
7.4%	724.9	779.8	54.9	7.6%
8.6%	722.3	758.9	36.6	5.1%
9.9%	688.5	746.0	57.5	8.4%
11.1%	687.0	731.8	44.8	6.5%
12.3%	685.3	709.9	24.6	3.6%
13.6%	682.6	689.4	6.7	1.0%
14.8%	661.2	687.1	26.0	3.9%
16.0%	661.1	686.4	25.3	3.8%
17.3%	649.4	676.6	27.2	4.2%
18.5%	648.4	673.6	25.2	3.9%
19.8%	647.9	665.4	17.5	2.7%
21.0%	646.5	647.4	1.0	0.1%
22.2%	645.5	640.8	-4.7	-0.7%
23.5%	643.9	637.6	-6.3	-1.0%
24.7%	642.3	632.1	-10.2	-1.6%
25.9%	629.0	623.2	-5.9	-0.9%
27.2%	628.4	616.2	-12.2	-1.9%
28.4%	621.6	614.5	-7.0	-1.1%
29.6%	613.9	614.1	0.2	0.0%
30.9%	612.1	613.8	1.7	0.3%
32.1%	608.8	613.4	4.6	0.8%
33.3%	607.9	608.4	0.6	0.1%
34.6%	601.7	607.7	6.0	1.0%
35.8%	590.8	606.4	15.5	2.6%
37.0%	588.6	599.9	11.3	1.9%
38.3%	580.9	598.4	17.5	3.0%
39.5%	577.0	596.7	19.7	3.4%
40.7%	575.1	593.5	18.4	3.2%
42.0%	566.2	588.9	22.8	4.0%
43.2%	564.4	587.6	23.3	4.1%
44.4%	561.3	582.0	20.8	3.7%
45.7%	544.7	572.5	27.8	5.1%
46.9%	531.5	572.2	40.7	7.7%
48.1%	524.0	566.9	42.8	8.2%
49.4%	523.5	554.0	30.5	5.8%
50.6%	520.6	552.6	32.0	6.1%
51.9%	517.8	544.6	26.8	5.2%
53.1%	511.7	539.5	27.8	5.4%
54.3%	511.0	538.7	27.7	5.4%
55.6%	508.4	525.2	16.8	3.3%
56.8%	506.3	515.5	9.1	1.8%
58.0%	505.8	515.3	9.4	1.9%
59.3%	501.0	511.8	10.8	2.2%
60.5%	487.4	504.3	16.8	3.5%
61.7%	483.3	501.0	17.7	3.7%
63.0%	480.6	499.4	18.9	3.9%
64.2%	467.9	495.7	27.8	5.9%
65.4%	467.4	490.0	22.7	4.9%
66.7%	442.9	481.5	38.7	8.7%
67.9%	442.7	475.8	33.1	7.5%
69.1%	442.0	475.3	33.2	7.5%
70.4%	437.9	450.5	12.6	2.9%
71.6%	434.6	444.3	9.8	2.2%
72.8%	425.6	442.9	17.3	4.1%
74.1%	423.2	436.1	13.0	3.1%
75.3%	421.6	434.7	13.2	3.1%
76.5%	420.2	426.8	6.6	1.6%
77.8%	408.8	426.4	17.6	4.3%
79.0%	408.5	420.5	12.0	2.9%
80.2%	405.0	409.1	4.1	1.0%
81.5%	387.4	403.8	16.4	4.2%
82.7%	385.5	388.5	3.1	0.8%
84.0%	377.2	376.9	-0.2	-0.1%
85.2%	364.8	365.6	0.8	0.2%
86.4%	363.8	364.4	0.6	0.2%
87.7%	337.1	344.1	7.0	2.1%
88.9%	315.4	315.5	0.1	0.0%
90.1%	297.8	300.7	3.0	1.0%
91.4%	277.9	278.7	0.8	0.3%
92.6%	272.0	273.4	1.4	0.5%
93.8%	268.5	265.0	-3.5	-1.3%
95.1%	264.2	264.1	0.0	0.0%
96.3%	255.4	255.1	-0.3	-0.1%
97.5%	237.9	238.0	0.2	0.1%
98.8%	232.8	232.6	-0.2	-0.1%
100.0%	223.8	223.9	0.1	0.0%

Table SQ-31-b

Clifton Court Forebay, Monthly EC
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	903.6	760.7	-142.9	-15.8%
1.2%	828.1	753.7	-74.4	-9.0%
2.5%	760.0	722.6	-37.4	-4.9%
3.7%	753.2	716.8	-36.4	-4.8%
4.9%	721.3	716.1	-5.2	-0.7%
6.2%	721.3	713.3	-8.0	-1.1%
7.4%	715.7	710.3	-5.4	-0.8%
8.6%	668.0	677.2	9.1	1.4%
9.9%	660.1	671.6	11.5	1.7%
11.1%	653.1	664.2	11.1	1.7%
12.3%	637.0	649.7	12.8	2.0%
13.6%	633.9	641.6	7.6	1.2%
14.8%	627.7	637.7	10.0	1.6%
16.0%	606.6	633.2	26.6	4.4%
17.3%	604.8	631.2	26.4	4.4%
18.5%	600.5	630.5	30.0	5.0%
19.8%	598.3	629.9	31.7	5.3%
21.0%	598.2	623.5	25.3	4.2%
22.2%	596.4	621.8	25.3	4.2%
23.5%	581.3	619.8	38.5	6.6%
24.7%	571.8	617.6	45.8	8.0%
25.9%	569.3	613.5	44.1	7.7%
27.2%	567.8	610.0	42.2	7.4%
28.4%	551.4	597.7	46.2	8.4%
29.6%	548.5	593.6	45.1	8.2%
30.9%	543.8	571.9	28.1	5.2%
32.1%	537.0	570.5	33.5	6.2%
33.3%	533.9	547.7	13.8	2.6%
34.6%	531.2	543.0	11.8	2.2%
35.8%	529.3	542.4	13.2	2.5%
37.0%	528.6	534.9	6.3	1.2%
38.3%	528.1	533.4	5.4	1.0%
39.5%	527.6	531.8	4.1	0.8%
40.7%	526.3	528.0	1.7	0.3%
42.0%	522.3	517.7	-4.6	-0.9%
43.2%	513.7	515.7	2.0	0.4%
44.4%	507.0	513.2	6.2	1.2%
45.7%	503.4	507.5	4.1	0.8%
46.9%	500.4	500.3	-0.1	0.0%
48.1%	489.4	497.7	8.3	1.7%
49.4%	487.0	495.1	8.1	1.7%
50.6%	486.5	487.3	0.8	0.2%
51.9%	480.8	484.4	3.6	0.7%
53.1%	474.4	475.9	1.5	0.3%
54.3%	462.1	468.9	6.8	1.5%
55.6%	457.1	461.4	4.3	0.9%
56.8%	454.9	454.6	-0.3	-0.1%
58.0%	448.3	453.2	5.0	1.1%
59.3%	432.5	436.3	3.8	0.9%
60.5%	429.8	430.3	0.5	0.1%
61.7%	428.6	428.8	0.2	0.0%
63.0%	416.9	425.1	8.2	2.0%
64.2%	413.8	417.8	4.0	1.0%
65.4%	408.5	414.9	6.5	1.6%
66.7%	407.2	411.3	4.1	1.0%
67.9%	396.5	398.2	1.7	0.4%
69.1%	394.2	396.4	2.2	0.5%
70.4%	385.9	394.3	8.3	2.2%
71.6%	385.8	393.0	7.2	1.9%
72.8%	382.8	383.3	0.6	0.1%
74.1%	354.2	354.5	0.3	0.1%
75.3%	346.9	344.9	-2.0	-0.6%
76.5%	312.3	314.1	1.8	0.6%
77.8%	302.6	304.2	1.7	0.5%
79.0%	297.3	297.9	0.6	0.2%
80.2%	289.8	290.1	0.3	0.1%
81.5%	285.8	286.7	0.9	0.3%
82.7%	282.6	284.7	2.1	0.7%
84.0%	270.0	270.3	0.3	0.1%
85.2%	266.9	267.7	0.8	0.3%
86.4%	263.7	263.8	0.1	0.1%
87.7%	255.4	258.2	2.8	1.1%
88.9%	254.1	253.7	-0.4	-0.2%
90.1%	253.5	249.9	-3.6	-1.4%
91.4%	245.3	243.8	-1.5	-0.6%
92.6%	243.0	240.4	-2.7	-1.1%
93.8%	239.6	240.0	0.4	0.2%
95.1%	238.3	237.7	-0.6	-0.2%
96.3%	237.5	233.8	-3.7	-1.6%
97.5%	233.5	225.9	-7.6	-3.3%
98.8%	225.9	221.8	-4.1	-1.8%
100.0%	165.9	166.0	0.1	0.1%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	817.2	724.3	-92.9	-11.4%
1.2%	779.2	717.4	-61.7	-7.9%
2.5%	741.3	699.0	-42.4	-5.7%
3.7%	721.5	692.0	-29.6	-4.1%
4.9%	684.3	680.0	-4.3	-0.6%
6.2%	677.5	675.5	-2.1	-0.3%
7.4%	664.0	654.2	-9.8	-1.5%
8.6%	649.2	649.4	0.3	0.0%
9.9%	646.3	641.2	-5.1	-0.8%
11.1%	637.6	634.7	-2.8	-0.4%
12.3%	610.4	631.7	21.4	3.5%
13.6%	606.3	628.6	22.3	3.7%
14.8%	599.5	601.1	1.7	0.3%
16.0%	599.4	595.9	-3.6	-0.6%
17.3%	595.2	578.2	-17.1	-2.9%
18.5%	569.3	577.1	7.8	1.4%
19.8%	566.7	572.6	5.9	1.0%
21.0%	565.1	571.8	6.7	1.2%
22.2%	545.3	559.1	13.8	2.5%
23.5%	542.6	556.9	14.4	2.6%
24.7%	534.6	553.9	19.3	3.6%
25.9%	533.5	544.7	11.3	2.1%
27.2%	532.8	544.5	11.7	2.2%
28.4%	531.7	537.9	6.2	1.2%
29.6%	531.4	527.1	-4.3	-0.8%
30.9%	526.1	526.7	0.6	0.1%
32.1%	522.5	524.7	2.2	0.4%
33.3%	513.2	504.7	-8.5	-1.7%
34.6%	493.8	497.7	4.0	0.8%
35.8%	480.1	488.1	8.0	1.7%
37.0%	477.7	481.8	4.1	0.9%
38.3%	471.7	467.4	-4.3	-0.9%
39.5%	470.9	465.2	-5.8	-1.2%
40.7%	460.2	443.6	-16.6	-3.6%
42.0%	440.0	436.8	-3.2	-0.7%
43.2%	439.0	413.4	-25.7	-5.8%
44.4%	415.5	413.0	-2.5	-0.6%
45.7%	413.9	412.4	-1.4	-0.3%
46.9%	409.8	411.7	1.8	0.4%
48.1%	402.0	404.3	2.3	0.6%
49.4%	397.1	402.5	5.4	1.4%
50.6%	391.5	397.7	6.2	1.6%
51.9%	390.4	392.1	1.7	0.4%
53.1%	389.3	388.0	-1.3	-0.3%
54.3%	387.6	387.5	-0.2	0.0%
55.6%	387.1	387.0	-0.1	0.0%
56.8%	381.7	385.8	4.1	1.1%
58.0%	379.2	383.3	4.1	1.1%
59.3%	373.7	382.2	8.6	2.3%
60.5%	372.7	381.4	8.8	2.4%
61.7%	367.6	374.9	7.3	2.0%
63.0%	361.3	361.9	0.6	0.2%
64.2%	349.7	359.4	9.8	2.8%
65.4%	338.7	350.7	12.0	3.5%
66.7%	337.7	338.2	0.5	0.1%
67.9%	330.3	329.7	-0.6	-0.2%
69.1%	320.2	323.6	3.3	1.0%
70.4%	318.7	320.2	1.5	0.5%
71.6%	315.4	316.2	0.8	0.3%
72.8%	309.3	309.7	0.4	0.1%
74.1%	303.4	304.4	1.0	0.3%
75.3%	299.8	303.7	3.9	1.3%
76.5%	294.8	300.7	5.9	2.0%
77.8%	276.3	276.7	0.4	0.1%
79.0%	275.7	275.8	0.1	0.0%
80.2%	269.7	272.2	2.5	0.9%
81.5%	265.5	270.2	4.7	1.8%
82.7%	264.9	265.7	0.8	0.3%
84.0%	263.7	264.9	1.2	0.4%
85.2%	262.4	263.1	0.8	0.3%
86.4%	258.1	258.5	0.4	0.2%
87.7%	237.5	241.1	3.7	1.5%
88.9%	225.4	225.0	-0.4	-0.2%
90.1%	224.9	224.5	-0.4	-0.2%
91.4%	223.6	223.7	0.1	0.0%
92.6%	216.0	215.8	-0.2	-0.1%
93.8%	215.5	211.5	-4.0	-1.9%
95.1%	206.7	207.2	0.4	0.2%
96.3%	206.7	206.5	-0.1	-0.1%
97.5%	201.1	201.3	0.2	0.1%
98.8%	193.8	193.5	-0.3	-0.2%
100.0%	189.5	189.5	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	778.3	731.2	-47.1	-6.0%
1.2%	719.5	670.4	-49.1	-6.8%
2.5%	662.4	663.7	1.3	0.2%
3.7%	655.2	653.6	-1.6	-0.2%
4.9%	630.6	638.9	8.2	1.3%
6.2%	623.0	636.4	13.4	2.2%
7.4%	616.8	629.9	13.1	2.1%
8.6%	609.4	623.0	13.6	2.2%
9.9%	598.4	599.8	1.4	0.2%
11.1%	598.3	599.8	1.5	0.2%
12.3%	597.9	594.7	-3.2	-0.5%
13.6%	590.5	585.8	-4.7	-0.8%
14.8%	579.0	585.3	6.3	1.1%
16.0%	573.8	584.9	11.1	1.9%
17.3%	565.2	559.4	-5.7	-1.0%
18.5%	549.9	550.8	0.9	0.2%
19.8%	547.9	523.0	-24.9	-4.5%
21.0%	544.7	510.2	-34.6	-6.3%
22.2%	514.1	505.0	-9.1	-1.8%
23.5%	502.9	501.5	-1.3	-0.3%
24.7%	501.7	500.6	-1.0	-0.2%
25.9%	496.2	490.3	-5.9	-1.2%
27.2%	495.3	489.4	-5.9	-1.2%
28.4%	483.7	484.1	0.5	0.1%
29.6%	472.9	475.0	2.1	0.4%
30.9%	457.9	461.3	3.4	0.8%
32.1%	456.2	459.2	3.0	0.7%
33.3%	454.4	457.6	3.2	0.7%
34.6%	448.2	447.7	-0.5	-0.1%
35.8%	445.6	434.6	-11.0	-2.5%
37.0%	423.2	431.2	7.9	1.9%
38.3%	421.5	418.3	-3.2	-0.8%
39.5%	418.8	409.9	-9.0	-2.1%
40.7%	409.3	400.5	-8.8	-2.2%
42.0%	399.9	391.5	-8.4	-2.1%
43.2%	394.4	391.4	-2.9	-0.7%
44.4%	390.9	390.6	-0.3	-0.1%
45.7%	388.2	379.2	-9.0	-2.3%
46.9%	376.7	375.6	-1.2	-0.3%
48.1%	371.1	371.2	0.1	0.0%
49.4%	363.0	363.1	0.1	0.0%
50.6%	356.6	362.0	5.5	1.5%
51.9%	354.7	354.9	0.2	0.0%
53.1%	351.8	352.5	0.6	0.2%
54.3%	341.9	341.7	-0.2	-0.1%
55.6%	341.3	341.5	0.2	0.1%
56.8%	332.1	332.5	0.3	0.1%
58.0%	329.1	329.8	0.7	0.2%
59.3%	321.2	329.5	8.3	2.6%
60.5%	318.7	322.0	3.4	1.1%
61.7%	317.5	318.4	0.9	0.3%
63.0%	308.9	309.4	0.4	0.1%
64.2%	308.3	309.0	0.7	0.2%
65.4%	308.0	308.0	0.0	0.0%
66.7%	299.8	300.7	0.9	0.3%
67.9%	287.8	288.0	0.2	0.1%
69.1%	271.0	275.5	4.5	1.7%
70.4%	269.7	271.0	1.3	0.5%
71.6%	268.6	270.1	1.5	0.6%
72.8%	267.3	267.4	0.0	0.0%
74.1%	265.1	265.1	0.0	0.0%
75.3%	264.7	265.0	0.3	0.1%
76.5%	259.3	259.5	0.2	0.1%
77.8%	252.9	253.0	0.1	0.0%
79.0%	251.9	252.7	0.8	0.3%
80.2%	247.6	247.5	-0.1	0.0%
81.5%	244.6	245.4	0.9	0.4%
82.7%	242.8	241.3	-1.4	-0.6%
84.0%	239.5	240.0	0.5	0.2%
85.2%	238.9	240.0	1.1	0.5%
86.4%	237.2	237.5	0.3	0.1%
87.7%	229.9	229.1	-0.8	-0.3%
88.9%	226.6	227.2	0.6	0.3%
90.1%	224.4	224.5	0.1	0.0%
91.4%	223.4	223.7	0.2	0.1%
92.6%	216.2	218.7	2.5	1.2%
93.8%	207.3	207.5	0.3	0.1%
95.1%	207.1	207.2	0.2	0.1%
96.3%	187.6	187.8	0.1	0.1%
97.5%	182.0	181.9	-0.1	0.0%
98.8%	171.5	172.0	0.5	0.3%
100.0%	166.0	166.0	0.0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	709.5	671.1	-38.3	-5.4%
1.2%	660.2	629.8	-30.4	-4.6%
2.5%	582.7	591.3	8.6	1.5%
3.7%	581.9	579.6	-2.3	-0.4%
4.9%	580.3	574.9	-5.4	-0.9%
6.2%	579.5	572.8	-6.7	-1.2%
7.4%	576.5	572.5	-4.0	-0.7%
8.6%	572.1	565.1	-7.0	-1.2%
9.9%	551.9	550.2	-1.7	-0.3%
11.1%	551.6	547.7	-3.9	-0.7%
12.3%	539.5	546.7	7.2	1.3%
13.6%	530.8	544.9	14.1	2.7%
14.8%	530.8	528.2	-2.6	-0.5%
16.0%	526.4	525.2	-1.2	-0.2%
17.3%	525.8	524.0	-1.8	-0.3%
18.5%	521.1	497.3	-23.8	-4.6%
19.8%	514.2	492.6	-21.5	-4.2%
21.0%	502.6	489.7	-12.9	-2.6%
22.2%	495.5	489.3	-6.2	-1.3%
23.5%	486.8	489.1	2.3	0.5%
24.7%	485.5	483.4	-2.1	-0.4%
25.9%	485.0	482.3	-2.6	-0.5%
27.2%	484.1	481.9	-2.3	-0.5%
28.4%	468.0	480.3	12.3	2.6%
29.6%	467.1	471.8	4.8	1.0%
30.9%	466.2	467.5	1.2	0.3%
32.1%	464.9	462.8	-2.1	-0.5%
33.3%	460.9	447.2	-13.7	-3.0%
34.6%	440.1	439.0	-1.1	-0.2%
35.8%	438.8	433.8	-5.0	-1.1%
37.0%	413.0	414.5	1.5	0.4%
38.3%	410.0	410.6	0.6	0.1%
39.5%	406.4	406.1	-0.3	-0.1%
40.7%	404.9	404.8	0.0	0.0%
42.0%	404.9	400.6	-4.3	-1.1%
43.2%	386.6	397.0	10.4	2.7%
44.4%	383.7	383.0	-0.7	-0.2%
45.7%	380.7	372.7	-7.9	-2.1%
46.9%	373.6	367.5	-6.1	-1.6%
48.1%	370.9	366.8	-4.0	-1.1%
49.4%	364.1	363.9	-0.2	-0.1%
50.6%	357.1	361.1	4.0	1.1%
51.9%	349.7	350.3	0.6	0.2%
53.1%	347.1	347.1	0.0	0.0%
54.3%	345.2	345.3	0.0	0.0%
55.6%	343.6	342.9	-0.8	-0.2%
56.8%	339.4	339.7	0.3	0.1%
58.0%	336.5	336.8	0.2	0.1%
59.3%	335.9	336.5	0.6	0.2%
60.5%	328.2	328.4	0.1	0.0%
61.7%	325.2	325.3	0.1	0.0%
63.0%	324.8	324.9	0.2	0.0%
64.2%	322.5	323.7	1.2	0.4%
65.4%	322.5	322.6	0.1	0.0%
66.7%	322.4	322.6	0.1	0.0%
67.9%	318.0	318.3	0.3	0.1%
69.1%	315.7	317.1	1.4	0.4%
70.4%	314.8	314.8	0.0	0.0%
71.6%	313.0	313.6	0.6	0.2%
72.8%	309.5	309.5	0.0	0.0%
74.1%	306.3	306.9	0.6	0.2%
75.3%	304.5	304.4	0.0	0.0%
76.5%	301.9	302.4	0.5	0.2%
77.8%	301.0	301.9	1.0	0.3%
79.0%	292.2	292.3	0.2	0.1%
80.2%	281.2	281.2	0.1	0.0%
81.5%	279.3	280.2	0.9	0.3%
82.7%	279.3	280.1	0.8	0.3%
84.0%	259.5	259.6	0.1	0.0%
85.2%	251.4	252.0	0.6	0.2%
86.4%	228.4	228.9	0.4	0.2%
87.7%	227.5	227.7	0.2	0.1%
88.9%	197.9	198.6	0.6	0.3%
90.1%	192.0	192.3	0.2	0.1%
91.4%	188.0	188.4	0.5	0.2%
92.6%	187.5	187.8	0.3	0.2%
93.8%	183.4	184.0	0.5	0.3%
95.1%	176.9	177.1	0.2	0.1%
96.3%	174.7	175.0	0.3	0.2%
97.5%	171.9	170.4	-1.6	-0.9%
98.8%	169.7	169.9	0.2	0.1%
100.0%	158.5	158.8	0.2	0.1%

Table SQ-31-b

Clifton Court Forebay, Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	633.8	620.7	-13.1	-2.1%
1.2%	629.0	609.2	-19.8	-3.2%
2.5%	555.8	554.5	-1.3	-0.2%
3.7%	553.1	550.2	-2.9	-0.5%
4.9%	548.6	534.1	-14.5	-2.6%
6.2%	541.1	527.7	-13.4	-2.5%
7.4%	528.9	523.4	-5.5	-1.0%
8.6%	528.4	498.8	-29.6	-5.6%
9.9%	517.9	498.2	-19.7	-3.8%
11.1%	499.0	491.8	-7.3	-1.5%
12.3%	494.6	489.8	-4.7	-1.0%
13.6%	494.1	485.2	-8.9	-1.8%
14.8%	490.3	483.4	-6.9	-1.4%
16.0%	490.0	467.0	-23.1	-4.7%
17.3%	485.5	467.0	-18.5	-3.8%
18.5%	484.1	465.1	-19.0	-3.9%
19.8%	482.1	460.5	-21.6	-4.5%
21.0%	472.8	446.3	-26.5	-5.6%
22.2%	470.1	438.0	-32.2	-6.8%
23.5%	453.4	432.7	-20.6	-4.6%
24.7%	442.2	425.0	-17.2	-3.9%
25.9%	436.9	424.6	-12.3	-2.8%
27.2%	422.6	422.9	0.3	0.1%
28.4%	422.0	422.3	0.3	0.1%
29.6%	421.4	421.9	0.5	0.1%
30.9%	419.8	400.8	-19.0	-4.5%
32.1%	418.3	398.3	-20.0	-4.8%
33.3%	407.9	397.1	-10.8	-2.7%
34.6%	400.6	391.7	-8.8	-2.2%
35.8%	396.2	391.0	-5.2	-1.3%
37.0%	391.8	389.4	-2.4	-0.6%
38.3%	389.5	387.6	-1.9	-0.5%
39.5%	384.1	387.0	3.0	0.8%
40.7%	379.7	384.6	4.9	1.3%
42.0%	378.2	382.7	4.5	1.2%
43.2%	376.9	381.8	4.8	1.3%
44.4%	375.7	379.8	4.0	1.1%
45.7%	372.7	379.6	6.9	1.9%
46.9%	371.8	372.4	0.6	0.2%
48.1%	370.2	370.4	0.2	0.0%
49.4%	369.8	370.1	0.3	0.1%
50.6%	368.5	368.8	0.3	0.1%
51.9%	368.1	368.1	0.0	0.0%
53.1%	366.5	367.8	1.3	0.3%
54.3%	364.7	363.4	-1.3	-0.4%
55.6%	364.0	360.9	-3.1	-0.9%
56.8%	359.1	359.2	0.1	0.0%
58.0%	355.3	356.4	1.1	0.3%
59.3%	355.2	356.0	0.8	0.2%
60.5%	354.9	355.1	0.2	0.1%
61.7%	352.3	354.9	2.6	0.7%
63.0%	350.4	352.0	1.5	0.4%
64.2%	348.1	350.3	2.2	0.6%
65.4%	346.8	348.3	1.5	0.4%
66.7%	342.6	345.9	3.3	1.0%
67.9%	339.1	340.9	1.8	0.5%
69.1%	338.0	339.8	1.8	0.5%
70.4%	337.1	337.0	-0.2	-0.1%
71.6%	332.0	331.5	-0.5	-0.1%
72.8%	331.2	331.4	0.1	0.0%
74.1%	329.4	329.5	0.1	0.0%
75.3%	328.1	329.2	1.1	0.3%
76.5%	327.8	327.6	-0.1	0.0%
77.8%	320.3	320.5	0.2	0.1%
79.0%	315.2	315.1	-0.1	0.0%
80.2%	313.8	311.1	-2.7	-0.9%
81.5%	311.4	310.5	-0.9	-0.3%
82.7%	310.9	309.1	-1.8	-0.6%
84.0%	309.4	307.3	-2.1	-0.7%
85.2%	303.2	293.4	-9.8	-3.2%
86.4%	293.3	293.1	-0.2	-0.1%
87.7%	292.7	292.8	0.0	0.0%
88.9%	288.8	288.7	-0.1	0.0%
90.1%	283.6	285.7	2.1	0.7%
91.4%	281.2	282.6	1.4	0.5%
92.6%	275.7	279.6	3.9	1.4%
93.8%	275.3	278.5	3.2	1.1%
95.1%	268.8	275.7	6.9	2.6%
96.3%	266.5	274.1	7.6	2.9%
97.5%	263.8	265.8	2.0	0.8%
98.8%	256.3	251.5	-4.8	-1.9%
100.0%	255.2	249.0	-6.3	-2.4%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	635.9	618.5	-17.3	-2.7%
1.2%	604.5	604.4	-0.1	0.0%
2.5%	559.9	548.1	-11.8	-2.1%
3.7%	555.5	538.7	-16.8	-3.0%
4.9%	507.2	488.7	-18.5	-3.7%
6.2%	491.7	488.6	-3.2	-0.6%
7.4%	490.3	462.3	-28.0	-5.7%
8.6%	448.5	462.3	13.8	3.1%
9.9%	443.0	443.9	1.0	0.2%
11.1%	441.4	433.0	-8.4	-1.9%
12.3%	435.5	419.6	-15.9	-3.7%
13.6%	433.6	411.1	-22.5	-5.2%
14.8%	433.0	402.7	-30.3	-7.0%
16.0%	430.1	379.8	-50.3	-11.7%
17.3%	428.2	378.7	-49.5	-11.6%
18.5%	411.7	376.6	-35.0	-8.5%
19.8%	401.8	373.0	-28.7	-7.2%
21.0%	394.9	367.1	-27.7	-7.0%
22.2%	392.2	366.0	-26.2	-6.7%
23.5%	389.4	364.4	-25.0	-6.4%
24.7%	372.3	364.0	-8.3	-2.2%
25.9%	367.1	362.4	-4.7	-1.3%
27.2%	366.9	361.5	-5.4	-1.5%
28.4%	365.3	357.9	-7.4	-2.0%
29.6%	364.9	353.3	-11.6	-3.2%
30.9%	363.1	352.8	-10.3	-2.8%
32.1%	359.0	352.8	-6.2	-1.7%
33.3%	355.7	351.6	-4.1	-1.2%
34.6%	352.7	348.2	-4.5	-1.3%
35.8%	351.1	347.7	-3.4	-1.0%
37.0%	351.0	344.3	-6.7	-1.9%
38.3%	349.8	343.0	-6.8	-1.9%
39.5%	348.6	339.4	-9.2	-2.6%
40.7%	345.0	339.1	-5.9	-1.7%
42.0%	344.6	338.6	-6.0	-1.7%
43.2%	343.9	337.7	-6.2	-1.8%
44.4%	341.8	335.5	-6.4	-1.9%
45.7%	338.7	334.4	-4.3	-1.3%
46.9%	331.8	332.6	0.9	0.3%
48.1%	331.5	330.2	-1.4	-0.4%
49.4%	330.0	328.8	-1.2	-0.4%
50.6%	329.9	327.7	-2.2	-0.7%
51.9%	328.1	326.2	-1.9	-0.6%
53.1%	327.8	325.9	-1.9	-0.6%
54.3%	326.6	325.2	-1.4	-0.4%
55.6%	321.9	322.1	0.3	0.1%
56.8%	321.3	319.2	-2.0	-0.6%
58.0%	319.9	318.4	-1.5	-0.5%
59.3%	319.0	317.4	-1.6	-0.5%
60.5%	318.3	316.7	-1.6	-0.5%
61.7%	317.9	316.5	-1.5	-0.5%
63.0%	317.0	315.4	-1.7	-0.5%
64.2%	315.6	314.7	-0.9	-0.3%
65.4%	313.1	314.2	1.1	0.3%
66.7%	309.6	305.2	-4.4	-1.4%
67.9%	309.2	304.2	-5.0	-1.6%
69.1%	306.4	302.1	-4.4	-1.4%
70.4%	305.5	301.2	-4.3	-1.4%
71.6%	303.3	299.8	-3.6	-1.2%
72.8%	300.5	299.4	-1.1	-0.4%
74.1%	300.0	298.5	-1.5	-0.5%
75.3%	299.9	298.4	-1.5	-0.5%
76.5%	299.8	298.3	-1.5	-0.5%
77.8%	299.7	297.2	-2.5	-0.8%
79.0%	298.9	297.0	-1.9	-0.6%
80.2%	298.7	296.3	-2.4	-0.8%
81.5%	297.1	293.9	-3.2	-1.1%
82.7%	293.7	292.5	-1.2	-0.4%
84.0%	292.1	292.1	0.0	0.0%
85.2%	292.0	291.3	-0.7	-0.2%
86.4%	288.7	289.6	0.9	0.3%
87.7%	287.3	287.1	-0.2	-0.1%
88.9%	285.3	286.7	1.4	0.5%
90.1%	285.1	282.3	-2.8	-1.0%
91.4%	283.3	281.2	-2.1	-0.7%
92.6%	282.4	280.6	-1.8	-0.7%
93.8%	282.3	279.1	-3.2	-1.1%
95.1%	272.1	275.2	3.1	1.1%
96.3%	271.7	271.5	-0.2	-0.1%
97.5%	267.4	271.3	3.9	1.4%
98.8%	266.9	268.1	1.2	0.5%
100.0%	260.7	262.1	1.4	0.5%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	744.6	746.1	1.4	0.2%
1.2%	682.6	617.1	-65.5	-9.6%
2.5%	642.5	611.4	-31.1	-4.8%
3.7%	627.7	589.6	-38.1	-6.1%
4.9%	585.9	589.4	3.5	0.6%
6.2%	578.3	561.4	-16.9	-2.9%
7.4%	537.9	542.3	4.5	0.8%
8.6%	512.5	539.4	26.9	5.2%
9.9%	495.0	504.2	9.2	1.9%
11.1%	488.7	498.6	9.9	2.0%
12.3%	485.8	493.6	7.8	1.6%
13.6%	476.9	492.9	15.9	3.3%
14.8%	466.4	477.0	10.7	2.3%
16.0%	464.3	470.9	6.6	1.4%
17.3%	452.0	465.9	13.8	3.1%
18.5%	451.6	460.2	8.5	1.9%
19.8%	443.3	458.9	15.6	3.5%
21.0%	441.7	457.2	15.5	3.5%
22.2%	436.0	455.8	19.7	4.5%
23.5%	434.9	454.3	19.4	4.4%
24.7%	432.4	443.2	10.8	2.5%
25.9%	423.4	442.9	19.5	4.6%
27.2%	418.9	441.1	22.2	5.3%
28.4%	416.0	428.2	12.2	2.9%
29.6%	415.4	426.8	11.4	2.7%
30.9%	408.7	422.3	13.6	3.3%
32.1%	404.9	391.7	-13.2	-3.2%
33.3%	403.3	390.2	-13.1	-3.2%
34.6%	400.7	378.8	-21.9	-5.5%
35.8%	392.2	377.9	-14.3	-3.6%
37.0%	390.2	376.9	-13.3	-3.4%
38.3%	387.9	376.4	-11.4	-2.9%
39.5%	380.0	371.3	-8.6	-2.3%
40.7%	369.2	371.1	1.9	0.5%
42.0%	364.6	369.4	4.8	1.3%
43.2%	361.6	362.9	1.3	0.4%
44.4%	354.1	355.1	1.1	0.3%
45.7%	352.3	353.1	0.8	0.2%
46.9%	350.0	352.7	2.7	0.8%
48.1%	343.8	350.4	6.6	1.9%
49.4%	342.5	348.9	6.5	1.9%
50.6%	337.2	346.3	9.1	2.7%
51.9%	331.2	343.4	12.2	3.7%
53.1%	330.0	337.1	7.0	2.1%
54.3%	329.2	327.6	-1.6	-0.5%
55.6%	324.3	326.9	2.6	0.8%
56.8%	317.5	322.8	5.2	1.7%
58.0%	312.5	321.7	9.1	2.9%
59.3%	312.5	319.1	6.6	2.1%
60.5%	311.8	314.5	2.7	0.9%
61.7%	303.5	314.4	11.0	3.6%
63.0%	302.8	313.3	10.5	3.5%
64.2%	299.5	308.7	9.2	3.1%
65.4%	298.7	301.3	2.6	0.9%
66.7%	298.4	299.5	1.1	0.4%
67.9%	296.7	299.4	2.7	0.9%
69.1%	296.7	298.7	2.0	0.7%
70.4%	296.4	298.4	2.0	0.7%
71.6%	296.3	295.7	-0.6	-0.2%
72.8%	296.0	295.4	-0.6	-0.2%
74.1%	292.6	292.0	-0.6	-0.2%
75.3%	291.9	287.7	-4.1	-1.4%
76.5%	291.6	285.7	-6.0	-2.0%
77.8%	285.4	284.7	-0.7	-0.2%
79.0%	282.6	282.5	-0.1	0.0%
80.2%	281.3	281.0	-0.3	-0.1%
81.5%	281.1	279.5	-1.6	-0.6%
82.7%	280.7	278.5	-2.2	-0.8%
84.0%	280.4	278.2	-2.2	-0.8%
85.2%	278.4	277.7	-0.7	-0.3%
86.4%	277.7	276.1	-1.6	-0.6%
87.7%	276.6	275.8	-0.8	-0.3%
88.9%	275.7	275.7	0.0	0.0%
90.1%	274.9	272.9	-2.0	-0.7%
91.4%	272.0	268.6	-3.4	-1.3%
92.6%	272.0	267.2	-4.8	-1.8%
93.8%	269.3	267.0	-2.3	-0.8%
95.1%	266.5	266.0	-0.5	-0.2%
96.3%	265.4	265.0	-0.4	-0.2%
97.5%	265.1	263.2	-1.9	-0.7%
98.8%	263.8	262.5	-1.3	-0.5%
100.0%	263.3	254.2	-9.1	-3.4%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	651.8	637.3	-14.5	-2.2%
1.2%	634.8	616.6	-18.2	-2.9%
2.5%	626.2	610.0	-16.2	-2.6%
3.7%	620.6	603.9	-16.7	-2.7%
4.9%	620.3	602.2	-18.1	-2.9%
6.2%	614.9	597.1	-17.7	-2.9%
7.4%	610.8	595.5	-15.3	-2.5%
8.6%	606.8	591.6	-15.2	-2.5%
9.9%	599.0	591.3	-7.7	-1.3%
11.1%	597.1	588.0	-9.1	-1.5%
12.3%	590.6	586.7	-3.9	-0.7%
13.6%	588.8	586.1	-2.7	-0.5%
14.8%	585.2	585.7	0.5	0.1%
16.0%	579.6	585.7	6.1	1.0%
17.3%	576.9	573.2	-3.8	-0.7%
18.5%	574.2	571.2	-2.9	-0.5%
19.8%	573.2	566.9	-6.3	-1.1%
21.0%	571.8	563.8	-7.9	-1.4%
22.2%	567.8	562.3	-5.5	-1.0%
23.5%	567.1	562.1	-5.1	-0.9%
24.7%	566.7	557.4	-9.3	-1.6%
25.9%	561.1	551.6	-9.5	-1.7%
27.2%	560.1	546.5	-13.6	-2.4%
28.4%	558.6	542.6	-15.9	-2.9%
29.6%	552.6	541.3	-11.3	-2.0%
30.9%	550.8	538.8	-12.0	-2.2%
32.1%	548.4	538.5	-9.9	-1.8%
33.3%	542.4	535.0	-7.5	-1.4%
34.6%	537.8	531.5	-6.3	-1.2%
35.8%	535.8	529.3	-6.5	-1.2%
37.0%	530.4	528.6	-1.7	-0.3%
38.3%	525.1	526.9	1.8	0.4%
39.5%	516.3	526.5	10.3	2.0%
40.7%	508.0	521.0	13.0	2.6%
42.0%	504.3	515.4	11.1	2.2%
43.2%	502.4	515.2	12.8	2.6%
44.4%	502.2	513.9	11.7	2.3%
45.7%	501.5	511.3	9.8	2.0%
46.9%	496.3	511.0	14.6	2.9%
48.1%	494.2	508.5	14.3	2.9%
49.4%	492.5	497.2	4.8	1.0%
50.6%	492.3	497.2	4.9	1.0%
51.9%	483.1	495.8	12.7	2.6%
53.1%	481.9	491.4	9.5	2.0%
54.3%	480.4	491.1	10.7	2.2%
55.6%	474.1	487.5	13.5	2.8%
56.8%	472.7	480.3	7.6	1.6%
58.0%	468.4	479.3	10.9	2.3%
59.3%	467.4	477.6	10.1	2.2%
60.5%	463.1	477.3	14.1	3.1%
61.7%	461.8	477.2	15.3	3.3%
63.0%	461.7	472.5	10.8	2.3%
64.2%	461.1	470.5	9.4	2.0%
65.4%	458.6	464.5	5.8	1.3%
66.7%	458.3	463.0	4.7	1.0%
67.9%	455.3	461.8	6.5	1.4%
69.1%	453.5	456.2	2.6	0.6%
70.4%	449.5	454.2	4.7	1.0%
71.6%	446.7	451.5	4.8	1.1%
72.8%	445.9	449.5	3.6	0.8%
74.1%	445.8	448.0	2.2	0.5%
75.3%	444.9	446.1	1.2	0.3%
76.5%	440.4	445.2	4.8	1.1%
77.8%	436.1	440.9	4.8	1.1%
79.0%	434.3	434.7	0.4	0.1%
80.2%	424.7	432.5	7.8	1.8%
81.5%	421.1	418.3	-2.8	-0.7%
82.7%	420.9	418.3	-2.7	-0.6%
84.0%	419.4	412.4	-7.0	-1.7%
85.2%	412.8	407.6	-5.2	-1.3%
86.4%	403.2	407.2	4.0	1.0%
87.7%	397.7	402.4	4.6	1.2%
88.9%	396.1	394.8	-1.3	-0.3%
90.1%	393.8	393.9	0.0	0.0%
91.4%	391.6	392.4	0.8	0.2%
92.6%	377.5	391.9	14.4	3.8%
93.8%	376.7	390.1	13.4	3.5%
95.1%	375.6	387.0	11.4	3.0%
96.3%	373.4	378.0	4.5	1.2%
97.5%	365.1	376.3	11.3	3.1%
98.8%	360.0	373.5	13.5	3.7%
100.0%	356.5	358.5	2.0	0.6%

Figure SQ-32-b
Delta Mendota Canal at Jones Pumping Plant, Monthly EC
Probability of Exceedance

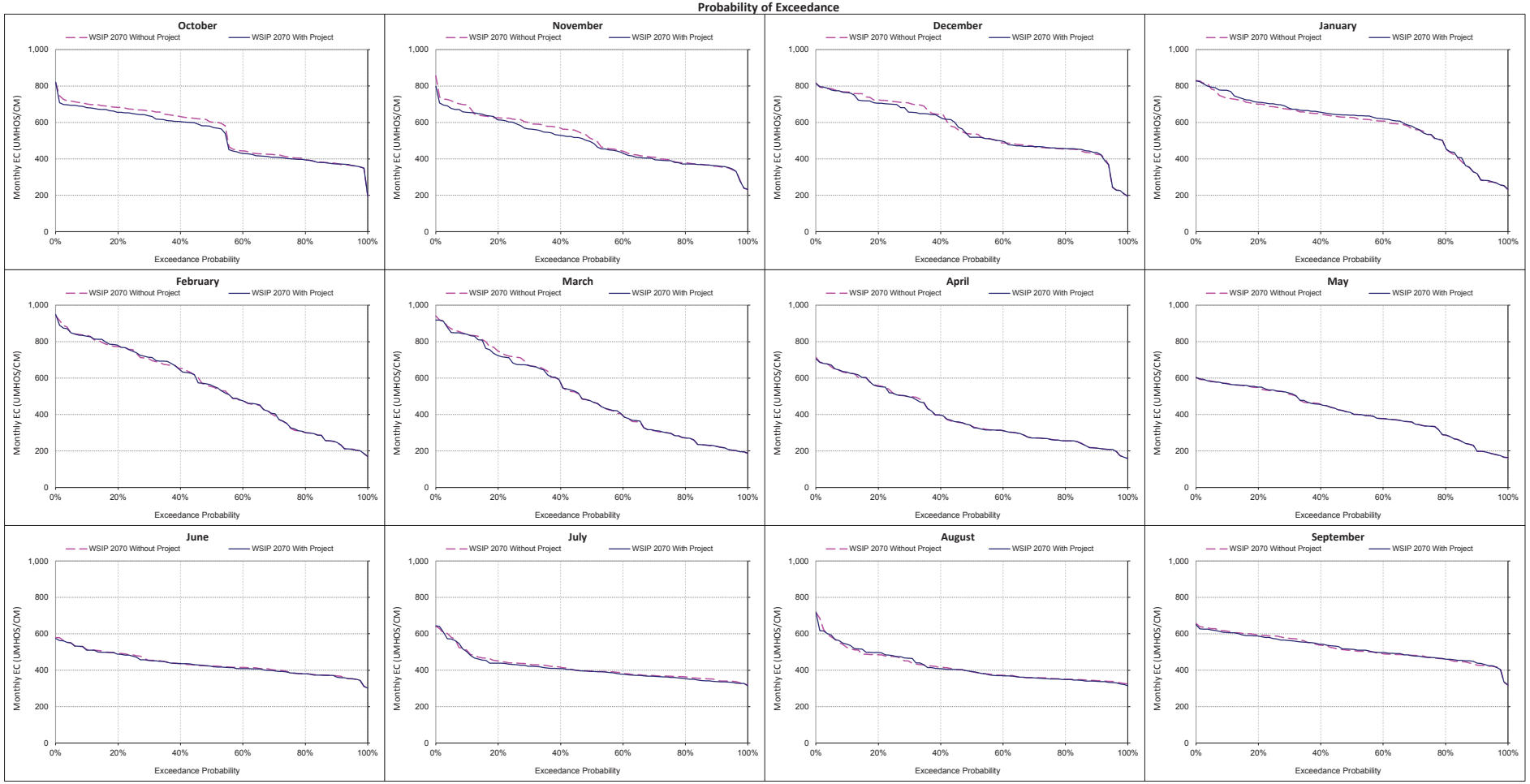


Table SQ-32-b

Delta Mendota Canal at Jones Pumping Plant, Monthly EC

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	819.2	820.7	1.5	0.2%
1.2%	746.4	708.9	-37.5	-5.0%
2.5%	727.9	698.4	-29.5	-4.1%
3.7%	718.8	696.6	-22.1	-3.1%
4.9%	717.3	694.3	-23.0	-3.2%
6.2%	713.5	694.2	-19.3	-2.7%
7.4%	709.3	689.7	-19.6	-2.8%
8.6%	708.1	688.4	-19.6	-2.8%
9.9%	701.9	681.8	-20.1	-2.9%
11.1%	698.5	679.3	-19.2	-2.8%
12.3%	697.5	676.7	-20.8	-3.0%
13.6%	696.9	672.4	-24.6	-3.5%
14.8%	691.8	672.0	-19.9	-2.9%
16.0%	690.5	671.7	-18.8	-2.7%
17.3%	688.0	663.6	-24.4	-3.5%
18.5%	684.4	662.4	-22.0	-3.2%
19.8%	682.7	656.2	-26.5	-3.9%
21.0%	682.7	655.9	-26.8	-3.9%
22.2%	679.0	653.3	-25.7	-3.8%
23.5%	674.2	652.3	-21.9	-3.3%
24.7%	672.4	648.4	-24.0	-3.6%
25.9%	668.6	646.1	-22.5	-3.4%
27.2%	668.5	643.1	-25.4	-3.8%
28.4%	667.3	643.1	-24.2	-3.6%
29.6%	663.3	636.7	-26.6	-4.0%
30.9%	662.9	633.4	-29.5	-4.5%
32.1%	657.3	618.8	-38.5	-5.9%
33.3%	657.2	617.8	-39.5	-6.0%
34.6%	646.4	616.0	-30.5	-4.7%
35.8%	642.9	610.4	-32.5	-5.1%
37.0%	640.6	608.7	-31.8	-5.0%
38.3%	637.1	605.5	-31.6	-5.0%
39.5%	633.9	605.0	-28.9	-4.6%
40.7%	629.6	603.1	-26.5	-4.2%
42.0%	626.9	601.8	-25.0	-4.0%
43.2%	625.4	599.6	-25.8	-4.1%
44.4%	622.7	598.0	-24.7	-4.0%
45.7%	620.1	589.5	-30.6	-4.9%
46.9%	619.1	581.3	-37.7	-6.1%
48.1%	616.5	580.9	-35.7	-5.8%
49.4%	603.7	580.6	-23.1	-3.8%
50.6%	601.1	571.9	-29.3	-4.9%
51.9%	600.7	568.3	-32.4	-5.4%
53.1%	594.8	564.4	-30.4	-5.1%
54.3%	581.6	538.7	-42.9	-7.4%
55.6%	465.8	449.9	-15.9	-3.4%
56.8%	452.7	443.7	-9.0	-2.0%
58.0%	449.2	438.6	-10.6	-2.4%
59.3%	444.5	431.7	-12.8	-2.9%
60.5%	443.8	428.6	-15.2	-3.4%
61.7%	439.1	427.8	-11.2	-2.6%
63.0%	432.5	424.1	-8.4	-1.9%
64.2%	429.1	418.0	-11.1	-2.6%
65.4%	427.6	415.4	-12.3	-2.9%
66.7%	427.2	415.2	-12.0	-2.8%
67.9%	425.4	412.6	-12.8	-3.0%
69.1%	424.5	409.0	-15.4	-3.6%
70.4%	422.7	408.5	-14.1	-3.3%
71.6%	421.7	407.9	-13.8	-3.3%
72.8%	416.0	406.4	-9.6	-2.3%
74.1%	410.9	401.4	-9.5	-2.3%
75.3%	409.2	400.5	-8.6	-2.1%
76.5%	405.4	399.5	-5.9	-1.5%
77.8%	404.3	397.4	-6.9	-1.7%
79.0%	403.4	397.2	-6.2	-1.5%
80.2%	395.1	393.1	-1.9	-0.5%
81.5%	392.8	391.9	-0.9	-0.2%
82.7%	386.7	387.5	0.8	0.2%
84.0%	382.3	380.8	-1.6	-0.4%
85.2%	381.8	380.1	-1.7	-0.4%
86.4%	379.7	378.9	-0.8	-0.2%
87.7%	378.4	375.4	-3.0	-0.8%
88.9%	377.5	373.6	-3.9	-1.0%
90.1%	374.1	371.4	-2.7	-0.7%
91.4%	368.2	371.4	3.2	0.9%
92.6%	368.1	369.7	1.7	0.4%
93.8%	365.5	369.1	3.7	1.0%
95.1%	363.4	363.0	-0.3	-0.1%
96.3%	359.6	359.7	0.1	0.0%
97.5%	355.0	355.9	0.9	0.3%
98.8%	349.4	349.5	0.1	0.0%
100.0%	198.1	199.2	1.1	0.6%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	855.9	798.4	-57.5	-6.7%
1.2%	738.2	707.7	-30.6	-4.1%
2.5%	728.2	696.1	-32.1	-4.4%
3.7%	726.1	691.7	-34.4	-4.7%
4.9%	719.5	677.2	-42.3	-5.9%
6.2%	708.9	671.5	-37.4	-5.3%
7.4%	702.8	670.9	-31.9	-4.5%
8.6%	698.6	658.3	-40.3	-5.8%
9.9%	697.1	655.9	-41.1	-5.9%
11.1%	677.0	654.3	-22.7	-3.4%
12.3%	646.8	652.3	5.5	0.9%
13.6%	638.7	648.9	10.2	1.6%
14.8%	637.0	645.4	8.4	1.3%
16.0%	634.7	638.4	3.7	0.6%
17.3%	631.6	636.1	4.6	0.7%
18.5%	627.2	632.2	5.0	0.8%
19.8%	625.2	614.4	-10.8	-1.7%
21.0%	624.4	613.3	-11.1	-1.8%
22.2%	623.8	609.8	-14.0	-2.2%
23.5%	623.7	602.5	-21.2	-3.4%
24.7%	618.4	601.6	-16.7	-2.7%
25.9%	616.2	591.6	-24.6	-4.0%
27.2%	616.1	583.5	-32.6	-5.3%
28.4%	604.1	568.9	-35.2	-5.8%
29.6%	600.4	564.2	-36.2	-6.0%
30.9%	591.6	563.3	-28.3	-4.8%
32.1%	590.6	559.7	-30.9	-5.2%
33.3%	590.1	555.7	-34.4	-5.8%
34.6%	583.8	547.1	-36.7	-6.3%
35.8%	578.8	545.6	-33.2	-5.7%
37.0%	578.7	542.7	-36.0	-6.2%
38.3%	575.0	532.4	-42.6	-7.4%
39.5%	572.4	530.5	-41.9	-7.3%
40.7%	563.0	526.7	-36.3	-6.4%
42.0%	561.8	523.3	-38.5	-6.9%
43.2%	559.8	522.4	-37.4	-6.7%
44.4%	558.2	517.7	-40.5	-7.3%
45.7%	548.8	517.2	-31.6	-5.8%
46.9%	538.5	511.5	-27.0	-5.0%
48.1%	531.6	501.1	-30.5	-5.7%
49.4%	514.4	495.3	-19.1	-3.7%
50.6%	505.0	484.9	-20.1	-4.0%
51.9%	493.0	464.4	-28.6	-5.8%
53.1%	463.9	454.9	-9.0	-1.9%
54.3%	461.9	454.7	-7.2	-1.6%
55.6%	455.1	449.4	-5.8	-1.3%
56.8%	454.4	446.8	-7.7	-1.7%
58.0%	450.4	443.2	-7.2	-1.6%
59.3%	445.9	436.9	-9.0	-2.0%
60.5%	439.6	427.8	-11.8	-2.7%
61.7%	429.8	418.8	-11.0	-2.5%
63.0%	423.0	415.9	-7.1	-1.7%
64.2%	422.3	409.1	-13.1	-3.1%
65.4%	417.7	408.1	-9.6	-2.3%
66.7%	414.7	405.2	-9.5	-2.3%
67.9%	412.7	404.8	-8.0	-1.9%
69.1%	409.3	403.6	-5.7	-1.4%
70.4%	409.1	394.2	-14.9	-3.6%
71.6%	399.0	393.4	-5.7	-1.4%
72.8%	399.0	391.6	-7.4	-1.9%
74.1%	396.1	389.9	-6.3	-1.6%
75.3%	395.6	389.9	-5.7	-1.4%
76.5%	384.2	380.7	-3.5	-0.9%
77.8%	379.9	379.2	-0.7	-0.2%
79.0%	379.2	371.9	-7.3	-1.9%
80.2%	379.2	371.6	-7.6	-2.0%
81.5%	375.3	371.1	-4.3	-1.1%
82.7%	371.9	371.0	-0.8	-0.2%
84.0%	371.0	369.4	-1.7	-0.4%
85.2%	369.4	368.7	-0.7	-0.2%
86.4%	366.9	366.2	-0.6	-0.2%
87.7%	365.4	365.8	0.4	0.1%
88.9%	360.1	363.7	3.7	1.0%
90.1%	359.3	362.0	2.7	0.8%
91.4%	355.7	358.2	2.5	0.7%
92.6%	351.2	357.3	6.0	1.7%
93.8%	350.2	351.1	0.8	0.2%
95.1%	339.9	344.7	4.8	1.4%
96.3%	332.1	330.2	-1.9	-0.6%
97.5%	281.3	277.1	-4.2	-1.5%
98.8%	238.2	239.0	0.8	0.3%
100.0%	232.3	232.1	-0.1	-0.1%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	817.4	813.8	-3.6	-0.4%
1.2%	794.5	796.3	1.8	0.2%
2.5%	789.6	794.5	5.0	0.6%
3.7%	787.2	789.0	1.9	0.2%
4.9%	785.8	778.8	-7.0	-0.9%
6.2%	778.0	773.7	-4.3	-0.5%
7.4%	772.7	773.4	0.7	0.1%
8.6%	768.4	766.0	-2.3	-0.3%
9.9%	767.4	764.5	-3.0	-0.4%
11.1%	766.9	760.6	-6.3	-0.8%
12.3%	758.6	749.4	-9.2	-1.2%
13.6%	758.2	722.4	-35.8	-4.7%
14.8%	757.9	720.1	-37.9	-5.0%
16.0%	740.3	718.9	-21.4	-2.9%
17.3%	738.2	718.7	-19.4	-2.6%
18.5%	724.1	708.0	-16.1	-2.2%
19.8%	724.1	706.1	-18.0	-2.5%
21.0%	721.8	705.5	-16.3	-2.3%
22.2%	721.3	703.5	-17.8	-2.5%
23.5%	718.2	701.5	-16.7	-2.3%
24.7%	715.6	700.5	-15.1	-2.1%
25.9%	713.0	697.9	-15.2	-2.1%
27.2%	710.7	681.8	-28.9	-4.1%
28.4%	710.1	680.7	-29.5	-4.2%
29.6%	707.2	656.7	-50.5	-7.1%
30.9%	700.5	655.1	-45.4	-6.5%
32.1%	696.8	654.2	-42.5	-6.1%
33.3%	696.4	649.2	-47.3	-6.8%
34.6%	690.4	649.0	-41.5	-6.0%
35.8%	669.3	646.9	-22.4	-3.3%
37.0%	651.3	643.1	-8.1	-1.2%
38.3%	646.3	642.6	-3.8	-0.6%
39.5%	643.9	631.4	-12.5	-1.9%
40.7%	643.8	620.2	-23.6	-3.7%
42.0%	605.7	616.5	10.8	1.8%
43.2%	580.1	615.2	35.1	6.1%
44.4%	574.1	602.0	27.9	4.9%
45.7%	558.6	572.7	14.0	2.5%
46.9%	548.0	564.1	16.2	2.9%
48.1%	539.8	541.5	1.7	0.3%
49.4%	537.2	518.5	-18.7	-3.5%
50.6%	536.6	518.2	-18.4	-3.4%
51.9%	535.4	518.2	-17.2	-3.2%
53.1%	518.3	516.9	-1.4	-0.3%
54.3%	513.6	511.2	-2.4	-0.5%
55.6%	512.3	510.8	-1.5	-0.3%
56.8%	506.0	505.6	-0.4	-0.1%
58.0%	500.2	500.9	0.7	0.1%
59.3%	488.0	498.5	10.5	2.2%
60.5%	487.9	493.9	6.0	1.2%
61.7%	486.2	477.8	-8.4	-1.7%
63.0%	485.8	475.8	-10.0	-2.1%
64.2%	479.8	472.1	-7.7	-1.6%
65.4%	477.9	472.1	-5.8	-1.2%
66.7%	476.4	468.9	-7.5	-1.6%
67.9%	472.6	468.3	-4.3	-0.9%
69.1%	471.7	468.1	-3.6	-0.8%
70.4%	464.6	467.4	2.8	0.6%
71.6%	463.4	466.9	3.5	0.8%
72.8%	461.7	465.6	3.9	0.8%
74.1%	460.5	462.2	1.8	0.4%
75.3%	458.6	460.6	1.9	0.4%
76.5%	458.0	459.6	1.6	0.4%
77.8%	456.0	456.8	0.8	0.2%
79.0%	454.7	456.6	2.0	0.4%
80.2%	454.5	455.8	1.3	0.3%
81.5%	453.3	455.7	2.4	0.5%
82.7%	452.3	455.5	3.2	0.7%
84.0%	450.6	453.4	2.9	0.6%
85.2%	442.5	451.1	8.6	1.9%
86.4%	435.6	444.8	9.1	2.1%
87.7%	433.9	442.5	8.7	2.0%
88.9%	429.9	436.6	6.7	1.6%
90.1%	424.8	435.0	10.2	2.4%
91.4%	422.3	423.6	1.2	0.3%
92.6%	404.8	390.5	-14.3	-3.5%
93.8%	368.0	368.1	0.2	0.0%
95.1%	243.2	244.1	0.9	0.4%
96.3%	228.6	227.5	-1.1	-0.5%
97.5%	226.7	226.8	0.1	0.0%
98.8%	207.8	208.1	0.2	0.1%
100.0%	194.7	194.5	-0.1	-0.1%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	830.1	828.3	-1.8	-0.2%
1.2%	827.3	824.1	-3.2	-0.4%
2.5%	815.3	811.7	-3.6	-0.4%
3.7%	814.7	799.9	-14.8	-1.8%
4.9%	783.9	793.5	9.6	1.2%
6.2%	776.2	791.3	15.1	1.9%
7.4%	749.3	777.8	28.5	3.8%
8.6%	740.8	777.7	36.9	5.0%
9.9%	733.0	777.3	44.3	6.0%
11.1%	731.3	770.1	38.9	5.3%
12.3%	727.8	745.2	17.5	2.4%
13.6%	723.8	737.8	14.0	1.9%
14.8%	723.3	731.5	8.1	1.1%
16.0%	711.2	724.0	12.9	1.8%
17.3%	707.7	722.5	14.8	2.1%
18.5%	703.8	713.5	9.7	1.4%
19.8%	700.8	710.9	10.1	1.4%
21.0%	700.6	710.4	9.8	1.4%
22.2%	696.4	707.4	11.0	1.6%
23.5%	687.5	703.2	15.7	2.3%
24.7%	686.7	703.0	16.3	2.4%
25.9%	683.3	698.7	15.3	2.2%
27.2%	679.0	697.2	18.2	2.7%
28.4%	675.1	691.6	16.5	2.4%
29.6%	672.7	679.8	7.1	1.1%
30.9%	670.8	672.6	1.8	0.3%
32.1%	665.9	672.5	6.6	1.0%
33.3%	657.8	666.9	9.1	1.4%
34.6%	657.6	665.6	8.0	1.2%
35.8%	652.9	665.0	12.1	1.9%
37.0%	651.0	661.8	10.8	1.7%
38.3%	649.2	661.2	12.0	1.8%
39.5%	649.0	656.4	7.5	1.2%
40.7%	644.4	654.2	9.9	1.5%
42.0%	639.9	650.3	10.4	1.6%
43.2%	636.7	646.8	10.1	1.6%
44.4%	635.5	644.2	8.7	1.4%
45.7%	631.2	642.9	11.7	1.9%
46.9%	629.3	641.1	11.8	1.9%
48.1%	629.1	640.9	11.8	1.9%
49.4%	627.9	640.4	12.6	2.0%
50.6%	627.1	639.7	12.6	2.0%
51.9%	619.8	637.3	17.5	2.8%
53.1%	617.8	637.0	19.3	3.1%
54.3%	617.3	635.7	18.5	3.0%
55.6%	615.7	635.4	19.8	3.2%
56.8%	611.4	628.1	16.7	2.7%
58.0%	609.3	622.2	12.9	2.1%
59.3%	607.4	621.5	14.1	2.3%
60.5%	607.4	618.2	10.7	1.8%
61.7%	595.8	617.3	21.5	3.6%
63.0%	593.8	612.1	18.3	3.1%
64.2%	592.7	608.4	15.8	2.7%
65.4%	590.8	607.4	16.6	2.8%
66.7%	587.5	594.9	7.5	1.3%
67.9%	580.2	585.8	5.7	1.0%
69.1%	565.8	579.4	13.6	2.4%
70.4%	561.0	569.0	8.0	1.4%
71.6%	558.4	560.4	2.1	0.4%
72.8%	552.2	543.4	-8.7	-1.6%
74.1%	534.6	534.9	0.3	0.1%
75.3%	533.9	534.2	0.3	0.0%
76.5%	509.7	512.5	2.8	0.5%
77.8%	507.8	507.1	-0.7	-0.1%
79.0%	501.9	502.1	0.1	0.0%
80.2%	451.5	453.2	1.7	0.4%
81.5%	435.5	438.3	2.8	0.6%
82.7%	423.3	436.6	13.3	3.1%
84.0%	406.1	406.7	0.6	0.1%
85.2%	384.7	406.5	21.7	5.6%
86.4%	363.5	363.4	-0.1	0.0%
87.7%	353.4	353.6	0.2	0.1%
88.9%	328.8	329.0	0.1	0.0%
90.1%	318.7	318.7	0.1	0.0%
91.4%	282.5	283.3	0.8	0.3%
92.6%	279.6	282.3	2.7	1.0%
93.8%	273.5	280.3	6.8	2.5%
95.1%	273.2	272.6	-0.6	-0.2%
96.3%	267.6	268.1	0.5	0.2%
97.5%	256.0	256.2	0.2	0.1%
98.8%	252.1	253.1	1.0	0.4%
100.0%	231.6	231.7	0.1	0.0%

Table SQ-32-b

Delta Mendota Canal at Jones Pumping Plant, Monthly EC

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	942.7	950.1	7.4	0.8%
1.2%	917.4	890.0	-27.4	-3.0%
2.5%	889.6	874.1	-15.5	-1.7%
3.7%	879.8	871.0	-8.7	-1.0%
4.9%	846.8	848.3	1.5	0.2%
6.2%	842.8	842.1	-0.7	-0.1%
7.4%	840.4	835.9	-4.5	-0.5%
8.6%	837.0	834.6	-2.3	-0.3%
9.9%	835.8	829.7	-6.2	-0.7%
11.1%	828.7	827.7	-1.0	-0.1%
12.3%	810.0	814.2	4.2	0.5%
13.6%	808.4	812.8	4.4	0.5%
14.8%	796.3	812.6	16.3	2.0%
16.0%	786.8	797.0	10.2	1.3%
17.3%	781.5	786.4	4.9	0.6%
18.5%	774.8	784.4	9.5	1.2%
19.8%	773.0	781.9	8.9	1.2%
21.0%	771.0	768.2	-2.8	-0.4%
22.2%	768.2	767.0	-1.2	-0.2%
23.5%	758.1	756.6	-1.5	-0.2%
24.7%	756.7	747.7	-9.0	-1.2%
25.9%	735.2	739.1	3.9	0.5%
27.2%	712.9	724.4	11.5	1.6%
28.4%	710.4	720.0	9.5	1.3%
29.6%	708.9	714.7	5.7	0.8%
30.9%	696.2	713.1	16.9	2.4%
32.1%	690.8	696.4	5.7	0.8%
33.3%	688.0	693.5	5.5	0.8%
34.6%	675.4	693.3	17.9	2.6%
35.8%	672.7	691.2	18.5	2.8%
37.0%	670.1	680.9	10.8	1.6%
38.3%	668.8	667.8	-1.0	-0.1%
39.5%	653.3	648.7	-4.7	-0.7%
40.7%	652.3	633.4	-18.8	-2.9%
42.0%	641.0	631.1	-9.9	-1.5%
43.2%	631.3	627.1	-4.3	-0.7%
44.4%	617.9	619.1	1.2	0.2%
45.7%	603.2	573.3	-29.9	-5.0%
46.9%	570.8	571.4	0.6	0.1%
48.1%	562.8	569.7	6.9	1.2%
49.4%	555.3	564.5	9.2	1.7%
50.6%	550.1	555.6	5.5	1.0%
51.9%	539.7	546.8	7.1	1.3%
53.1%	530.9	530.1	-0.8	-0.2%
54.3%	529.4	518.2	-11.2	-2.1%
55.6%	508.4	509.0	0.7	0.1%
56.8%	488.1	489.9	1.8	0.4%
58.0%	488.1	488.5	0.5	0.1%
59.3%	474.5	478.9	4.4	0.9%
60.5%	471.4	472.0	0.6	0.1%
61.7%	460.3	461.3	1.0	0.2%
63.0%	456.7	460.5	3.8	0.8%
64.2%	454.6	457.3	2.7	0.6%
65.4%	449.9	451.9	2.0	0.4%
66.7%	427.0	426.6	-0.4	-0.1%
67.9%	423.0	419.8	-3.3	-0.8%
69.1%	403.4	406.2	2.8	0.7%
70.4%	391.2	404.3	13.1	3.4%
71.6%	372.0	372.3	0.3	0.1%
72.8%	363.0	363.6	0.6	0.2%
74.1%	350.9	351.1	0.2	0.0%
75.3%	324.5	326.2	1.7	0.5%
76.5%	313.6	321.2	7.6	2.4%
77.8%	310.0	311.8	1.8	0.6%
79.0%	306.5	307.6	1.1	0.4%
80.2%	299.1	299.3	0.2	0.1%
81.5%	298.6	298.7	0.1	0.0%
82.7%	295.2	295.6	0.4	0.1%
84.0%	286.7	286.4	-0.3	-0.1%
85.2%	286.4	286.1	-0.3	-0.1%
86.4%	256.2	256.6	0.4	0.2%
87.7%	255.3	256.0	0.7	0.3%
88.9%	252.5	253.5	1.0	0.4%
90.1%	246.6	246.7	0.0	0.0%
91.4%	232.4	232.5	0.1	0.0%
92.6%	212.8	210.9	-1.8	-0.9%
93.8%	210.7	210.6	0.0	0.0%
95.1%	210.6	208.6	-2.0	-0.9%
96.3%	203.9	204.2	0.3	0.1%
97.5%	200.5	200.9	0.4	0.2%
98.8%	185.7	185.8	0.1	0.1%
100.0%	169.8	169.9	0.1	0.1%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	941.1	918.8	-22.3	-2.4%
1.2%	918.5	918.5	0.0	0.0%
2.5%	915.7	910.9	-4.9	-0.5%
3.7%	884.4	879.0	-5.4	-0.6%
4.9%	871.0	850.0	-21.0	-2.4%
6.2%	861.4	849.4	-12.0	-1.4%
7.4%	855.9	848.6	-7.3	-0.9%
8.6%	847.7	843.8	-3.9	-0.5%
9.9%	839.0	841.7	2.7	0.3%
11.1%	835.4	832.9	-2.5	-0.3%
12.3%	833.4	830.5	-2.9	-0.3%
13.6%	830.1	810.9	-19.1	-2.3%
14.8%	812.0	809.0	-3.0	-0.4%
16.0%	799.3	762.6	-36.7	-4.6%
17.3%	771.2	756.7	-14.5	-1.9%
18.5%	770.5	736.1	-34.4	-4.5%
19.8%	751.4	724.1	-27.3	-3.6%
21.0%	738.4	718.1	-20.4	-2.8%
22.2%	727.5	715.1	-12.3	-1.7%
23.5%	721.1	712.2	-8.9	-1.2%
24.7%	717.4	683.1	-34.3	-4.8%
25.9%	714.5	674.7	-39.9	-5.6%
27.2%	711.7	673.3	-38.4	-5.4%
28.4%	694.6	672.9	-21.7	-3.1%
29.6%	668.9	670.7	1.8	0.3%
30.9%	666.1	664.2	-1.9	-0.3%
32.1%	663.2	661.9	-1.3	-0.2%
33.3%	660.7	651.5	-9.2	-1.4%
34.6%	649.3	644.8	-4.4	-0.7%
35.8%	638.8	618.1	-20.7	-3.2%
37.0%	605.8	606.3	0.5	0.1%
38.3%	601.8	605.4	3.6	0.6%
39.5%	594.0	591.7	-2.4	-0.4%
40.7%	546.2	544.9	-1.3	-0.2%
42.0%	532.1	540.3	8.2	1.5%
43.2%	527.2	535.3	8.1	1.5%
44.4%	525.0	528.9	3.9	0.8%
45.7%	514.0	517.3	3.3	0.6%
46.9%	484.3	486.1	1.8	0.4%
48.1%	481.3	482.3	1.1	0.2%
49.4%	476.4	476.0	-0.5	-0.1%
50.6%	467.0	467.2	0.2	0.0%
51.9%	459.8	460.5	0.7	0.1%
53.1%	443.2	443.8	0.6	0.1%
54.3%	433.1	433.5	0.4	0.1%
55.6%	424.8	427.8	3.0	0.7%
56.8%	420.9	421.9	0.9	0.2%
58.0%	405.6	421.1	15.5	3.8%
59.3%	405.6	406.8	1.2	0.3%
60.5%	385.0	385.9	0.9	0.2%
61.7%	378.0	378.4	0.4	0.1%
63.0%	361.9	368.2	6.4	1.8%
64.2%	360.7	366.0	5.3	1.5%
65.4%	357.7	363.8	6.0	1.7%
66.7%	327.8	327.9	0.1	0.0%
67.9%	317.1	317.4	0.3	0.1%
69.1%	313.6	316.3	2.7	0.9%
70.4%	310.5	310.7	0.2	0.1%
71.6%	304.5	309.6	5.2	1.7%
72.8%	303.2	303.6	0.4	0.1%
74.1%	299.9	300.1	0.2	0.1%
75.3%	297.0	297.3	0.3	0.1%
76.5%	285.4	284.6	-0.8	-0.3%
77.8%	284.5	282.2	-2.2	-0.8%
79.0%	273.0	273.5	0.5	0.2%
80.2%	271.1	271.1	0.0	0.0%
81.5%	270.2	270.4	0.1	0.1%
82.7%	260.3	260.2	-0.1	0.0%
84.0%	235.4	235.9	0.5	0.2%
85.2%	233.7	233.6	-0.1	-0.1%
86.4%	232.1	232.4	0.3	0.1%
87.7%	229.5	230.5	1.0	0.4%
88.9%	229.0	229.5	0.4	0.2%
90.1%	224.9	224.7	-0.1	-0.1%
91.4%	219.5	219.6	0.1	0.1%
92.6%	217.2	217.3	0.1	0.1%
93.8%	206.5	206.6	0.1	0.1%
95.1%	204.0	203.7	-0.2	-0.1%
96.3%	202.0	201.9	-0.1	0.0%
97.5%	195.1	195.9	0.7	0.4%
98.8%	194.6	195.4	0.8	0.4%
100.0%	186.2	186.8	0.6	0.3%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	714.8	705.7	-9.1	-1.3%
1.2%	688.2	686.5	-1.6	-0.2%
2.5%	683.8	679.9	-3.9	-0.6%
3.7%	677.7	676.9	-0.8	-0.1%
4.9%	661.9	671.3	9.4	1.4%
6.2%	646.5	650.6	4.1	0.6%
7.4%	643.5	644.5	1.0	0.2%
8.6%	633.1	636.6	3.5	0.5%
9.9%	628.5	633.2	4.7	0.7%
11.1%	626.2	625.8	-0.5	-0.1%
12.3%	623.7	623.2	-0.5	-0.1%
13.6%	603.6	617.9	14.3	2.4%
14.8%	603.3	604.0	0.6	0.1%
16.0%	601.0	603.2	2.2	0.4%
17.3%	581.2	579.6	-1.5	-0.3%
18.5%	562.9	562.4	-0.5	-0.1%
19.8%	559.7	554.4	-5.3	-0.9%
21.0%	555.6	552.3	-3.3	-0.6%
22.2%	550.6	550.7	0.0	0.0%
23.5%	538.0	518.9	-19.2	-3.6%
24.7%	518.1	517.7	-0.4	-0.1%
25.9%	506.4	507.3	0.9	0.2%
27.2%	504.6	504.7	0.0	0.0%
28.4%	503.2	502.9	-0.3	-0.1%
29.6%	498.2	498.5	0.3	0.1%
30.9%	497.5	492.9	-4.6	-0.9%
32.1%	494.8	482.6	-12.2	-2.5%
33.3%	484.9	469.7	-15.2	-3.1%
34.6%	468.3	465.5	-2.8	-0.6%
35.8%	433.2	432.7	-0.6	-0.1%
37.0%	419.3	420.0	0.6	0.1%
38.3%	397.6	397.7	0.0	0.0%
39.5%	397.6	397.6	0.0	0.0%
40.7%	394.3	394.5	0.2	0.0%
42.0%	372.6	374.8	2.2	0.6%
43.2%	365.1	369.1	4.0	1.1%
44.4%	360.6	360.7	0.1	0.0%
45.7%	356.9	360.2	3.3	0.9%
46.9%	354.7	354.8	0.1	0.0%
48.1%	347.1	347.1	0.0	0.0%
49.4%	342.2	342.2	0.0	0.0%
50.6%	330.7	326.1	-4.6	-1.4%
51.9%	326.1	324.6	-1.4	-0.4%
53.1%	324.2	319.6	-4.6	-1.4%
54.3%	319.3	315.5	-3.7	-1.2%
55.6%	316.0	315.4	-0.6	-0.2%
56.8%	315.2	315.2	0.0	0.0%
58.0%	313.8	314.5	0.8	0.2%
59.3%	313.7	313.8	0.1	0.0%
60.5%	309.8	309.8	0.0	0.0%
61.7%	302.5	303.8	1.3	0.4%
63.0%	302.4	302.7	0.2	0.1%
64.2%	299.0	299.7	0.7	0.2%
65.4%	295.2	295.3	0.0	0.0%
66.7%	287.2	287.3	0.1	0.0%
67.9%	276.1	276.6	0.5	0.2%
69.1%	272.0	271.7	-0.4	-0.1%
70.4%	271.7	271.6	-0.1	0.0%
71.6%	270.9	271.2	0.2	0.1%
72.8%	268.8	268.8	0.0	0.0%
74.1%	268.3	268.3	0.1	0.0%
75.3%	264.0	262.8	-1.1	-0.4%
76.5%	260.3	260.3	0.0	0.0%
77.8%	259.4	259.5	0.1	0.0%
79.0%	255.7	255.8	0.0	0.0%
80.2%	255.1	255.8	0.7	0.3%
81.5%	255.0	255.3	0.2	0.1%
82.7%	254.4	255.1	0.7	0.3%
84.0%	250.1	250.4	0.2	0.1%
85.2%	242.1	240.3	-1.8	-0.7%
86.4%	229.4	229.2	-0.2	-0.1%
87.7%	218.5	218.1	-0.4	-0.2%
88.9%	218.1	217.4	-0.6	-0.3%
90.1%	215.0	215.4	0.4	0.2%
91.4%	212.1	212.4	0.3	0.1%
92.6%	209.8	209.5	-0.2	-0.1%
93.8%	208.3	208.6	0.3	0.1%
95.1%	207.8	208.1	0.3	0.1%
96.3%	196.9	196.6	-0.3	-0.1%
97.5%	173.7	174.1	0.4	0.2%
98.8%	166.2	166.2	0.0	0.0%
100.0%	158.0	158.6	0.6	0.4%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	604.6	602.9	-1.7	-0.3%
1.2%	592.6	596.6	4.0	0.7%
2.5%	590.9	593.1	2.1	0.4%
3.7%	587.4	584.9	-2.5	-0.4%
4.9%	584.0	581.1	-2.8	-0.5%
6.2%	578.9	579.9	0.9	0.2%
7.4%	578.1	578.0	-0.1	0.0%
8.6%	571.6	572.8	1.2	0.2%
9.9%	571.3	568.8	-2.6	-0.4%
11.1%	566.7	565.1	-1.6	-0.3%
12.3%	561.8	563.4	1.5	0.3%
13.6%	561.8	561.8	0.0	0.0%
14.8%	560.7	561.2	0.4	0.1%
16.0%	554.4	560.0	5.7	1.0%
17.3%	553.7	555.6	1.9	0.3%
18.5%	549.0	554.4	5.4	1.0%
19.8%	548.5	550.6	2.1	0.4%
21.0%	538.3	550.4	12.1	2.2%
22.2%	534.7	541.1	6.4	1.2%
23.5%	531.8	535.0	3.2	0.6%
24.7%	530.7	534.5	3.8	0.7%
25.9%	528.7	528.6	-0.1	0.0%
27.2%	527.8	526.7	-1.1	-0.2%
28.4%	524.4	524.6	0.1	0.0%
29.6%	513.6	518.8	5.3	1.0%
30.9%	507.7	513.8	6.0	1.2%
32.1%	502.3	502.3	0.0	0.0%
33.3%	478.0	478.0	0.0	0.0%
34.6%	467.8	477.5	9.7	2.1%
35.8%	464.3	467.9	3.6	0.8%
37.0%	464.2	461.1	-3.1	-0.7%
38.3%	462.8	458.1	-4.8	-1.0%
39.5%	459.9	457.0	-2.9	-0.6%
40.7%	450.6	451.3	0.7	0.1%
42.0%	447.2	447.7	0.5	0.1%
43.2%	440.1	438.8	-1.3	-0.3%
44.4%	434.2	434.7	0.5	0.1%
45.7%	426.4	424.6	-1.9	-0.4%
46.9%	422.3	422.3	0.0	0.0%
48.1%	416.6	415.1	-1.5	-0.4%
49.4%	412.8	412.8	0.0	0.0%
50.6%	401.3	401.5	0.2	0.1%
51.9%	400.7	400.7	0.0	0.0%
53.1%	398.8	398.9	0.1	0.0%
54.3%	394.3	394.4	0.1	0.0%
55.6%	393.2	393.3	0.1	0.0%
56.8%	391.5	391.5	0.0	0.0%
58.0%	378.9	379.0	0.0	0.0%
59.3%	378.7	378.4	-0.2	-0.1%
60.5%	375.6	377.7	2.1	0.6%
61.7%	374.2	374.3	0.0	0.0%
63.0%	372.3	372.3	0.0	0.0%
64.2%	370.2	370.8	0.5	0.1%
65.4%	368.2	368.1	-0.1	0.0%
66.7%	361.9	361.9	0.0	0.0%
67.9%	361.2	361.2	0.0	0.0%
69.1%	359.5	359.5	0.0	0.0%
70.4%	346.7	346.7	0.1	0.0%
71.6%	344.3	344.3	0.0	0.0%
72.8%	338.9	338.8	-0.1	0.0%
74.1%	335.6	337.3	1.7	0.5%
75.3%	335.2	335.8	0.6	0.2%
76.5%	333.8	333.9	0.0	0.0%
77.8%	316.8	316.9	0.1	0.0%
79.0%	288.6	290.0	1.4	0.5%
80.2%	286.2	287.3	1.2	0.4%
81.5%	278.8	278.8	0.0	0.0%
82.7%	266.4	266.5	0.1	0.0%
84.0%	263.0	263.1	0.0	0.0%
85.2%	252.4	253.3	0.8	0.3%
86.4%	240.7	241.7	1.1	0.4%
87.7%	236.2	236.5	0.3	0.1%
88.9%	230.3	231.2	0.9	0.4%
90.1%	197.5	198.0	0.5	0.3%
91.4%	197.4	197.8	0.4	0.2%
92.6%	196.2	195.7	-0.5	-0.3%
93.8%	190.0	190.4	0.4	0.2%
95.1%	184.3	184.7	0.4	0.2%
96.3%	179.1	179.7	0.6	0.3%
97.5%	173.5	173.5	0.0	0.0%
98.8%	165.1	165.2	0.2	0.1%
100.0%	163.3	163.5	0.2	0.1%

Table SQ-32-b

Delta Mendota Canal at Jones Pumping Plant, Monthly EC

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	579.2	573.5	-5.7	-1.0%
1.2%	579.1	563.4	-15.7	-2.7%
2.5%	563.7	561.1	-2.6	-0.5%
3.7%	554.1	553.1	-1.0	-0.2%
4.9%	550.0	550.1	0.1	0.0%
6.2%	531.6	532.4	0.8	0.2%
7.4%	530.9	531.5	0.6	0.1%
8.6%	530.4	530.4	0.0	0.0%
9.9%	513.6	510.5	-3.1	-0.6%
11.1%	511.4	510.1	-1.3	-0.3%
12.3%	510.1	509.9	-0.2	0.0%
13.6%	508.3	499.7	-8.6	-1.7%
14.8%	505.8	499.2	-6.6	-1.3%
16.0%	499.5	498.2	-1.3	-0.3%
17.3%	498.6	497.8	-0.8	-0.2%
18.5%	497.6	497.2	-0.4	-0.1%
19.8%	492.3	488.1	-4.2	-0.9%
21.0%	492.0	487.0	-5.1	-1.0%
22.2%	489.5	482.6	-6.9	-1.4%
23.5%	485.0	482.2	-2.8	-0.6%
24.7%	484.3	476.4	-7.9	-1.6%
25.9%	478.8	471.1	-7.7	-1.6%
27.2%	476.9	457.7	-19.2	-4.0%
28.4%	465.3	456.5	-8.8	-1.9%
29.6%	454.5	454.1	-0.5	-0.1%
30.9%	454.5	451.2	-3.3	-0.7%
32.1%	453.1	450.9	-2.2	-0.5%
33.3%	452.0	448.6	-3.4	-0.8%
34.6%	447.9	448.6	0.7	0.1%
35.8%	444.6	443.1	-1.6	-0.4%
37.0%	439.2	438.1	-1.1	-0.3%
38.3%	439.0	437.3	-1.8	-0.4%
39.5%	435.6	436.9	1.3	0.3%
40.7%	435.5	435.5	0.0	0.0%
42.0%	431.7	435.3	3.5	0.8%
43.2%	430.8	434.2	3.4	0.8%
44.4%	428.4	430.7	2.3	0.5%
45.7%	425.6	428.4	2.7	0.6%
46.9%	424.6	426.7	2.1	0.5%
48.1%	424.1	423.7	-0.3	-0.1%
49.4%	423.0	423.3	0.3	0.1%
50.6%	422.7	418.2	-4.5	-1.1%
51.9%	422.2	417.0	-5.1	-1.2%
53.1%	420.2	416.5	-3.7	-0.9%
54.3%	418.4	415.8	-2.6	-0.6%
55.6%	417.2	414.5	-2.7	-0.6%
56.8%	415.7	414.4	-1.2	-0.3%
58.0%	415.5	408.7	-6.8	-1.6%
59.3%	415.3	408.4	-6.9	-1.7%
60.5%	415.2	408.3	-7.0	-1.7%
61.7%	413.5	408.2	-5.3	-1.3%
63.0%	413.2	407.7	-5.5	-1.3%
64.2%	413.0	407.2	-5.9	-1.4%
65.4%	408.4	407.0	-1.4	-0.3%
66.7%	408.2	401.9	-6.3	-1.6%
67.9%	408.2	398.7	-9.5	-2.3%
69.1%	403.1	398.1	-5.1	-1.3%
70.4%	401.2	395.5	-5.7	-1.4%
71.6%	399.5	393.2	-6.3	-1.6%
72.8%	397.7	392.9	-4.9	-1.2%
74.1%	393.7	389.7	-4.0	-1.0%
75.3%	384.1	384.6	0.5	0.1%
76.5%	382.8	384.0	1.2	0.3%
77.8%	381.5	381.5	0.0	0.0%
79.0%	380.9	380.5	-0.5	-0.1%
80.2%	380.7	380.3	-0.4	-0.1%
81.5%	378.4	378.4	0.0	0.0%
82.7%	375.9	373.5	-2.3	-0.6%
84.0%	374.3	372.6	-1.7	-0.5%
85.2%	373.4	372.4	-1.0	-0.3%
86.4%	373.3	372.2	-1.1	-0.3%
87.7%	372.0	372.1	0.0	0.0%
88.9%	371.2	371.4	0.2	0.1%
90.1%	368.9	361.3	-7.7	-2.1%
91.4%	366.8	358.7	-8.1	-2.2%
92.6%	357.8	358.0	0.2	0.1%
93.8%	353.7	353.5	-0.2	-0.1%
95.1%	352.3	352.5	0.2	0.1%
96.3%	350.5	350.1	-0.4	-0.1%
97.5%	344.9	344.6	-0.4	-0.1%
98.8%	310.7	311.9	1.2	0.4%
100.0%	301.8	301.5	-0.3	-0.1%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	641.8	643.9	2.1	0.3%
1.2%	628.1	639.8	11.7	1.9%
2.5%	602.8	608.2	5.4	0.9%
3.7%	602.0	573.3	-28.7	-4.8%
4.9%	580.4	571.2	-9.2	-1.6%
6.2%	572.2	563.1	-9.0	-1.6%
7.4%	525.3	547.7	22.3	4.3%
8.6%	518.8	517.5	-1.3	-0.3%
9.9%	510.6	503.1	-7.4	-1.5%
11.1%	486.0	480.8	-5.1	-1.1%
12.3%	481.9	467.3	-14.6	-3.0%
13.6%	472.4	461.6	-10.8	-2.3%
14.8%	467.6	456.4	-11.2	-2.4%
16.0%	466.8	453.7	-13.1	-2.8%
17.3%	462.3	439.3	-23.1	-5.0%
18.5%	453.8	438.9	-14.9	-3.3%
19.8%	451.3	438.8	-12.5	-2.8%
21.0%	447.7	438.8	-9.0	-2.0%
22.2%	444.7	437.3	-7.5	-1.7%
23.5%	440.2	433.6	-6.6	-1.5%
24.7%	439.9	431.4	-8.5	-1.9%
25.9%	438.8	430.6	-8.1	-1.9%
27.2%	437.3	427.4	-9.9	-2.3%
28.4%	436.6	426.6	-10.0	-2.3%
29.6%	433.8	421.3	-12.6	-2.9%
30.9%	429.9	421.1	-8.8	-2.0%
32.1%	429.5	419.8	-9.7	-2.3%
33.3%	428.6	419.1	-9.5	-2.2%
34.6%	427.6	414.4	-13.2	-3.1%
35.8%	424.4	411.1	-13.3	-3.1%
37.0%	421.0	409.9	-11.1	-2.6%
38.3%	420.3	409.6	-10.7	-2.6%
39.5%	417.8	409.1	-8.7	-2.1%
40.7%	413.5	408.7	-4.8	-1.2%
42.0%	411.9	404.5	-7.4	-1.8%
43.2%	405.5	403.8	-1.7	-0.4%
44.4%	400.7	401.4	0.7	0.2%
45.7%	399.0	397.0	-1.9	-0.5%
46.9%	396.4	396.3	-0.1	0.0%
48.1%	396.1	396.2	0.1	0.0%
49.4%	396.0	393.6	-2.4	-0.6%
50.6%	395.2	392.5	-2.6	-0.7%
51.9%	393.1	391.5	-1.6	-0.4%
53.1%	392.8	391.2	-1.6	-0.4%
54.3%	392.5	390.0	-2.5	-0.6%
55.6%	391.2	387.4	-3.9	-1.0%
56.8%	391.2	385.5	-5.7	-1.4%
58.0%	387.8	381.0	-6.9	-1.8%
59.3%	387.3	379.0	-8.3	-2.2%
60.5%	381.0	377.3	-3.7	-1.0%
61.7%	380.3	374.4	-5.9	-1.6%
63.0%	376.1	373.4	-2.7	-0.7%
64.2%	375.0	372.2	-2.7	-0.7%
65.4%	374.9	371.1	-3.7	-1.0%
66.7%	371.9	369.1	-2.8	-0.7%
67.9%	371.2	367.1	-4.1	-1.1%
69.1%	371.0	366.6	-4.3	-1.2%
70.4%	369.5	365.2	-4.3	-1.2%
71.6%	368.0	364.9	-3.1	-0.9%
72.8%	368.0	363.0	-5.0	-1.3%
74.1%	367.2	362.9	-4.3	-1.2%
75.3%	366.6	360.3	-6.3	-1.7%
76.5%	365.6	359.7	-5.9	-1.6%
77.8%	365.4	357.8	-7.6	-2.1%
79.0%	364.6	355.6	-9.0	-2.5%
80.2%	362.8	352.8	-10.0	-2.8%
81.5%	359.1	349.7	-9.3	-2.6%
82.7%	357.1	349.5	-7.6	-2.1%
84.0%	356.0	346.1	-9.8	-2.8%
85.2%	354.7	343.0	-11.7	-3.3%
86.4%	353.2	341.7	-11.5	-3.3%
87.7%	352.3	341.7	-10.7	-3.0%
88.9%	351.7	338.4	-13.4	-3.8%
90.1%	342.2	337.6	-4.6	-1.4%
91.4%	340.6	335.8	-4.8	-1.4%
92.6%	340.4	335.7	-4.6	-1.4%
93.8%	340.1	334.4	-5.7	-1.7%
95.1%	339.0	333.2	-5.8	-1.7%
96.3%	337.1	329.5	-7.6	-2.3%
97.5%	330.4	327.7	-2.7	-0.8%
98.8%	321.9	327.6	5.7	1.8%
100.0%	320.7	314.8	-6.0	-1.9%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	717.5	719.8	2.3	0.3%
1.2%	685.5	617.0	-68.5	-10.0%
2.5%	623.1	616.2	-6.9	-1.1%
3.7%	595.0	601.3	6.3	1.1%
4.9%	582.6	592.4	9.8	1.7%
6.2%	568.8	568.9	0.1	0.0%
7.4%	552.7	562.2	9.4	1.7%
8.6%	541.1	548.8	7.7	1.4%
9.9%	525.8	543.4	17.7	3.4%
11.1%	518.0	536.0	18.0	3.5%
12.3%	511.8	517.9	6.1	1.2%
13.6%	510.3	516.6	6.3	1.2%
14.8%	488.3	516.3	28.1	5.8%
16.0%	488.0	499.2	11.3	2.3%
17.3%	486.2	498.5	12.3	2.5%
18.5%	485.7	497.2	11.5	2.4%
19.8%	484.6	497.1	12.5	2.6%
21.0%	484.5	495.5	11.0	2.3%
22.2%	477.8	484.5	6.7	1.4%
23.5%	476.3	483.0	6.8	1.4%
24.7%	475.5	480.2	4.8	1.0%
25.9%	474.5	473.9	-0.6	-0.1%
27.2%	464.9	473.6	8.8	1.9%
28.4%	451.6	466.5	14.9	3.3%
29.6%	450.8	465.2	14.5	3.2%
30.9%	437.9	464.1	26.2	6.0%
32.1%	433.5	439.8	6.3	1.5%
33.3%	431.0	439.5	8.5	2.0%
34.6%	429.0	430.6	1.6	0.4%
35.8%	423.8	414.8	-9.0	-2.1%
37.0%	423.2	414.7	-8.5	-2.0%
38.3%	421.0	410.3	-10.6	-2.5%
39.5%	416.3	408.2	-8.1	-1.9%
40.7%	414.8	407.3	-7.5	-1.8%
42.0%	413.3	404.9	-8.4	-2.0%
43.2%	409.7	404.1	-5.5	-1.4%
44.4%	404.2	404.1	-0.1	0.0%
45.7%	403.0	402.7	-0.3	-0.1%
46.9%	402.3	402.6	0.4	0.1%
48.1%	397.6	396.6	-1.1	-0.3%
49.4%	393.0	393.7	0.7	0.2%
50.6%	389.7	391.9	2.2	0.6%
51.9%	385.0	386.7	1.7	0.4%
53.1%	384.2	381.2	-3.0	-0.8%
54.3%	379.9	379.5	-0.4	-0.1%
55.6%	378.8	374.3	-4.5	-1.2%
56.8%	376.3	371.1	-5.2	-1.4%
58.0%	372.9	369.6	-3.3	-0.9%
59.3%	372.5	369.5	-3.0	-0.8%
60.5%	371.9	369.2	-2.7	-0.7%
61.7%	371.2	368.9	-2.3	-0.6%
63.0%	370.9	367.8	-3.1	-0.8%
64.2%	365.8	364.9	-0.9	-0.3%
65.4%	362.4	361.7	-0.6	-0.2%
66.7%	360.4	361.1	0.7	0.2%
67.9%	359.2	358.3	-0.9	-0.2%
69.1%	359.0	358.1	-0.9	-0.3%
70.4%	358.7	357.3	-1.4	-0.4%
71.6%	358.6	355.8	-2.8	-0.8%
72.8%	358.1	354.6	-3.5	-1.0%
74.1%	358.0	353.5	-4.5	-1.3%
75.3%	354.4	352.2	-2.2	-0.6%
76.5%	354.0	351.9	-2.2	-0.6%
77.8%	352.6	351.3	-1.3	-0.4%
79.0%	350.9	348.6	-2.3	-0.7%
80.2%	350.2	348.5	-1.7	-0.5%
81.5%	350.1	348.4	-1.7	-0.5%
82.7%	349.1	346.1	-3.0	-0.9%
84.0%	347.9	345.5	-2.4	-0.7%
85.2%	347.7	345.0	-2.8	-0.8%
86.4%	346.3	340.7	-5.6	-1.6%
87.7%	344.6	340.5	-4.1	-1.2%
88.9%	343.8	339.9	-3.9	-1.1%
90.1%	342.6	338.1	-4.6	-1.3%
91.4%	342.3	337.3	-5.0	-1.5%
92.6%	340.3	336.6	-3.7	-1.1%
93.8%	338.7	332.3	-6.4	-1.9%
95.1%	338.7	331.1	-7.6	-2.2%
96.3%	334.8	330.5	-4.3	-1.3%
97.5%	331.1	323.9	-7.3	-2.2%
98.8%	326.7	322.2	-4.5	-1.4%
100.0%	324.6	314.2	-10.4	-3.2%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly EC (UMHOS/CM)	WSIP 2070 With Project Monthly EC (UMHOS/CM)	Absolute Difference (UMHOS/CM)	Relative Difference (%)
0.0%	657.4	651.2	-6.2	-0.9%
1.2%	638.7	626.3	-12.4	-1.9%
2.5%	636.2	626.0	-10.3	-1.6%
3.7%	632.6	625.0	-7.6	-1.2%
4.9%	628.4	621.5	-6.9	-1.1%
6.2%	628.2	618.9	-9.3	-1.5%
7.4%	618.9	614.0	-4.9	-0.8%
8.6%	617.6	608.0	-9.5	-1.5%
9.9%	615.1	607.1	-8.0	-1.3%
11.1%	611.1	606.1	-5.0	-0.8%
12.3%	605.6	605.5	-0.1	0.0%
13.6%	605.5	601.4	-4.0	-0.7%
14.8%	602.1	593.8	-8.3	-1.4%
16.0%	601.3	590.4	-10.9	-1.8%
17.3%	600.7	589.5	-11.1	-1.9%
18.5%	596.9	589.1	-7.8	-1.3%
19.8%	594.3	588.6	-5.7	-1.0%
21.0%	591.5	584.1	-7.4	-1.2%
22.2%	591.1	580.5	-10.5	-1.8%
23.5%	588.0	580.3	-7.7	-1.3%
24.7%	587.6	574.5	-13.1	-2.2%
25.9%	587.6	571.4	-16.2	-2.8%
27.2%	582.7	566.2	-16.5	-2.8%
28.4%	578.2	565.0	-13.2	-2.3%
29.6%	575.5	563.2	-12.2	-2.1%
30.9%	573.6	561.6	-12.0	-2.1%
32.1%	572.5	559.1	-13.4	-2.3%
33.3%	565.9	555.5	-10.4	-1.8%
34.6%	562.2	554.1	-8.1	-1.4%
35.8%	552.1	552.8	0.7	0.1%
37.0%	551.2	551.4	0.2	0.0%
38.3%	543.3	549.1	5.8	1.1%
39.5%	537.9	543.5	5.6	1.0%
40.7%	536.2	542.1	5.8	1.1%
42.0%	532.9	536.4	3.5	0.7%
43.2%	525.4	534.8	9.4	1.8%
44.4%	520.6	532.8	12.2	2.3%
45.7%	514.5	529.6	15.1	2.9%
46.9%	513.3	517.7	4.3	0.8%
48.1%	511.2	516.8	5.6	1.1%
49.4%	508.9	516.2	7.3	1.4%
50.6%	507.4	513.6	6.2	1.2%
51.9%	504.0	510.5	6.5	1.3%
53.1%	503.7	510.0	6.2	1.2%
54.3%	502.8	509.9	7.0	1.4%
55.6%	501.2	505.6	4.4	0.9%
56.8%	500.4	500.5	0.1	0.0%
58.0%	494.2	498.7	4.5	0.9%
59.3%	492.8	497.5	4.7	1.0%
60.5%	488.7	496.5	7.8	1.6%
61.7%	488.5	492.7	4.2	0.9%
63.0%	488.0	492.5	4.5	0.9%
64.2%	486.2	491.0	4.8	1.0%
65.4%	485.9	490.9	4.9	1.0%
66.7%	485.4	484.1	-1.2	-0.3%
67.9%	482.6	483.7	1.1	0.2%
69.1%	481.9	479.7	-2.2	-0.5%
70.4%	481.3	477.2	-4.1	-0.8%
71.6%	479.6	476.6	-3.0	-0.6%
72.8%	477.9	472.7	-5.3	-1.1%
74.1%	472.0	470.5	-1.5	-0.3%
75.3%	469.4	469.7	0.3	0.1%
76.5%	467.0	469.1	2.0	0.4%
77.8%	464.3	465.7	1.4	0.3%
79.0%	462.7	464.5	1.8	0.4%
80.2%	460.4	460.5	0.1	0.0%
81.5%	455.0	459.6	4.6	1.0%
82.7%	448.9	457.7	8.7	1.9%
84.0%	447.8	454.5	6.7	1.5%
85.2%	446.4	454.5	8.1	1.8%
86.4%	445.2	451.6	6.4	1.4%
87.7%	439.6	451.4	11.9	2.7%
88.9%	436.2	448.2	12.0	2.8%
90.1%	427.6	439.3	11.6	2.7%
91.4%	426.8	436.5	9.7	2.3%
92.6%	425.9	430.9	5.0	1.2%
93.8%	422.2	424.8	2.6	0.6%
95.1%	421.5	424.3	2.8	0.7%
96.3%	417.3	415.9	-1.4	-0.3%
97.5%	413.6	404.9	-8.7	-2.1%
98.8%	333.2	336.1	2.9	0.9%
100.0%	318.0	318.8	0.8	0.3%

Sacramento-San Joaquin Delta Operations

Summary Tables and Bar Charts

Table SW-30-a
Sacramento River below Hood, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	11,298	15,756	24,214	34,006	41,580	35,136	21,981	13,343	12,622	19,599	13,737	16,495
WSIP 2030 With Project	11,970	16,130	23,441	32,748	40,419	33,846	21,812	13,221	12,967	20,017	14,366	17,627
Difference	672	374	-774	-1,257	-1,161	-1,290	-170	-123	345	418	629	1,132
Percent Difference[3]	5.9%	2.4%	-3.2%	-3.7%	-2.8%	-3.7%	-0.8%	-0.9%	2.7%	2.1%	4.6%	6.9%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	13,496	20,140	27,657	56,120	63,839	51,935	36,579	18,334	13,662	21,180	15,551	26,069
WSIP 2030 With Project	13,930	20,182	26,370	55,304	63,408	51,188	36,138	18,323	14,150	21,103	15,587	26,282
Difference	434	42	-1,287	-817	-431	-746	-441	-12	487	-77	37	213
Percent Difference	3.2%	0.2%	-4.7%	-1.5%	-0.7%	-1.4%	-1.2%	-0.1%	3.6%	-0.4%	0.2%	0.8%
Above Normal (14.6%)												
WSIP 2030 Without Project	12,670	17,961	22,790	43,213	50,832	45,704	22,237	14,655	13,087	22,476	16,115	19,034
WSIP 2030 With Project	12,996	18,293	21,895	41,697	49,616	44,738	21,904	14,394	13,105	23,061	16,199	19,666
Difference	326	332	-895	-1,516	-1,216	-966	-333	-261	18	585	84	632
Percent Difference	2.6%	1.8%	-3.9%	-3.5%	-2.4%	-2.1%	-1.5%	-1.8%	0.1%	2.6%	0.5%	3.3%
Below Normal (20.7%)												
WSIP 2030 Without Project	10,343	12,993	23,077	23,768	32,425	29,039	18,041	11,847	12,809	22,581	15,237	12,008
WSIP 2030 With Project	11,644	13,661	23,571	21,806	31,521	27,168	17,863	11,546	13,027	22,696	16,025	13,825
Difference	1,301	669	494	-1,962	-904	-1,871	-178	-301	218	115	787	1,816
Percent Difference	12.6%	5.1%	2.1%	-8.3%	-2.8%	-6.4%	-1.0%	-2.5%	1.7%	0.5%	5.2%	15.1%
Dry (19.5%)												
WSIP 2030 Without Project	11,490	16,213	29,071	17,737	27,724	22,990	11,918	10,218	12,499	17,185	11,494	10,938
WSIP 2030 With Project	12,252	16,850	28,351	16,453	25,265	20,957	11,989	10,124	12,801	18,251	12,879	12,897
Difference	761	637	-720	-1,284	-2,459	-2,033	71	-94	302	1,066	1,385	1,959
Percent Difference	6.6%	3.9%	-2.5%	-7.2%	-8.9%	-8.8%	0.6%	-0.9%	2.4%	6.2%	12.0%	17.9%
Critical (14.6%)												
WSIP 2030 Without Project	6,446	7,726	13,601	14,922	17,402	14,406	10,316	7,919	9,888	12,420	8,446	7,777
WSIP 2030 With Project	6,947	8,064	12,150	14,038	16,140	13,472	10,565	7,919	10,503	13,271	9,624	9,249
Difference	501	338	-1,451	-884	-1,262	-934	249	0	616	851	1,178	1,472
Percent Difference	7.8%	4.4%	-10.7%	-5.9%	-7.3%	-6.5%	2.4%	0.0%	6.2%	6.9%	14.0%	18.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

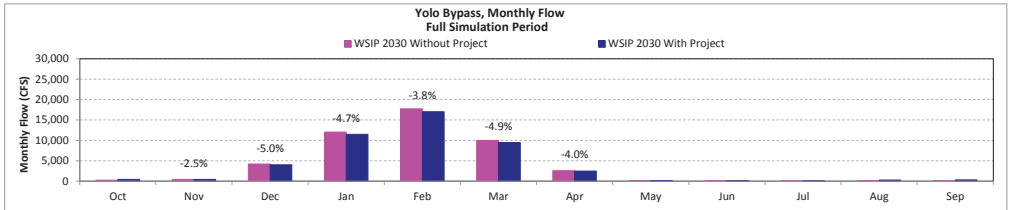
Table SW-31-a
Yolo Bypass, Monthly Flow
Long-term Average and Average by Water Year Type

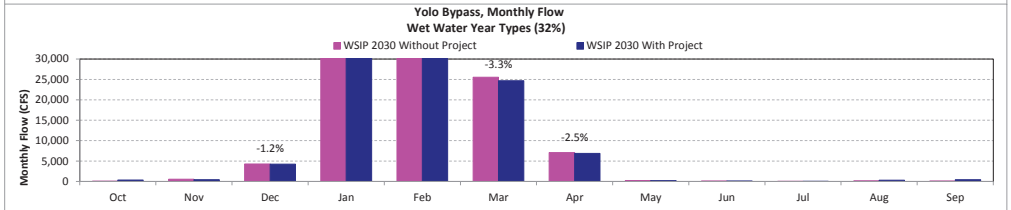
Analysis Period	Monthly Flow (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	227	456	4,223	12,025	17,725	9,988	2,576	139	82	48	107	90
WSIP 2030 With Project	457	444	4,010	11,463	17,043	9,495	2,471	130	82	53	273	331
Difference	230	-11	-213	-562	-682	-493	-104	-9	1	5	166	241
Percent Difference[3]		-2.5%	-5.0%	-4.7%	-3.8%	-4.9%	-4.0%					
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	88	531	4,276	33,937	46,143	25,531	7,055	240	117	48	150	135
WSIP 2030 With Project	365	447	4,226	32,800	45,176	24,679	6,882	210	120	48	307	447
Difference	277	-84	-50	-1,137	-967	-852	-173	-31	3	0	156	312
Percent Difference			-1.2%	-3.4%	-2.1%	-3.3%	-2.5%					
Above Normal (14.6%)												
WSIP 2030 Without Project	39	970	3,154	8,997	14,753	11,228	1,327	185	66	48	95	67
WSIP 2030 With Project	345	965	2,622	7,910	13,569	10,755	1,120	185	66	80	355	423
Difference	306	-5	-532	-1,087	-1,184	-473	-206	0	0	32	260	356
Percent Difference		-0.6%	-16.9%	-12.1%	-8.0%	-4.2%	-15.6%					
Below Normal (20.7%)												
WSIP 2030 Without Project	41	138	3,398	1,274	5,193	1,403	756	76	66	48	103	80
WSIP 2030 With Project	272	145	3,191	1,070	4,455	1,092	653	76	66	48	287	357
Difference	230	7	-207	-204	-738	-311	-103	0	0	0	184	276
Percent Difference		5.3%	-6.1%	-16.0%	-14.2%	-22.2%	-13.6%					
Dry (19.5%)												
WSIP 2030 Without Project	923	614	8,664	258	1,886	1,162	299	67	67	48	63	65
WSIP 2030 With Project	1,192	683	8,349	192	1,574	796	299	67	67	48	282	233
Difference	269	70	-315	-66	-312	-366	0	0	0	0	220	168
Percent Difference	29.1%	11.3%	-3.6%	-25.7%	-16.5%	-31.5%	0.0%					
Critical (14.6%)												
WSIP 2030 Without Project	41	22	432	320	363	300	107	68	64	48	92	67
WSIP 2030 With Project	45	22	327	314	364	108	107	68	64	48	87	96
Difference	4	0	-105	-6	0	-192	0	0	0	0	-5	29
Percent Difference	8.6%	-1.0%	-24.3%	-1.8%	0.1%	-64.1%	0.0%	0.0%	0.0%	0.0%	-5.9%	43.6%

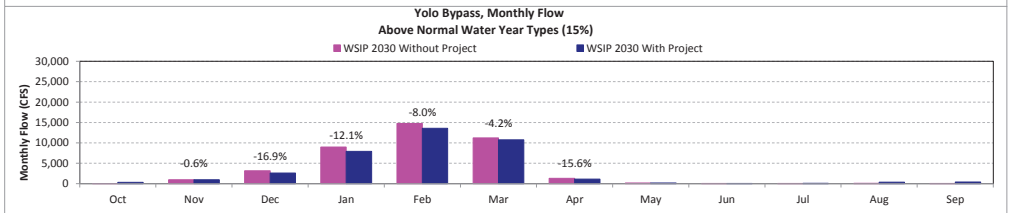
1 Based on the 82-year simulation period

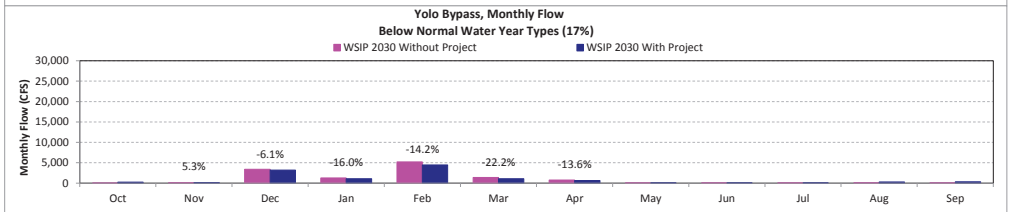
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

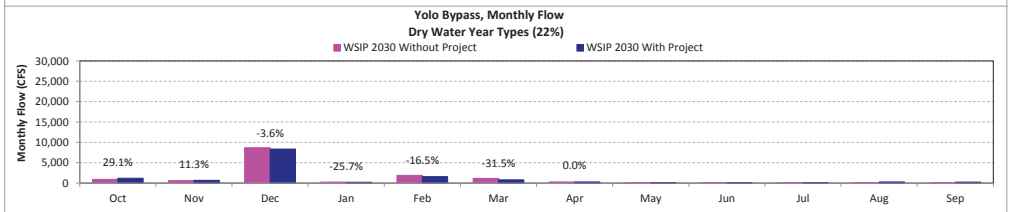
3 Relative difference of the monthly average











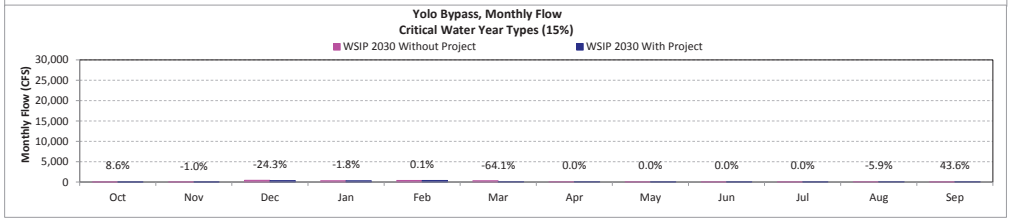


Table SW-32-a
Sacramento River at Rio Vista, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	6,965	12,054	23,666	40,883	53,054	39,355	20,195	10,000	6,921	11,159	7,599	10,669
WSIP 2030 With Project	7,733	12,394	22,720	39,229	51,362	37,742	19,944	9,885	7,165	11,506	8,194	11,685
Difference	768	339	-945	-1,654	-1,692	-1,612	-252	-115	243	347	595	1,016
Percent Difference[3]	11.0%	2.8%	-4.0%	-4.0%	-3.2%	-4.1%	-1.2%	-1.2%	3.5%	3.1%	7.8%	9.5%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	8,664	16,284	26,646	82,489	100,991	69,664	37,460	14,454	7,855	12,226	8,863	19,413
WSIP 2030 With Project	9,338	16,327	25,373	80,643	99,650	68,163	36,904	14,414	8,206	12,363	9,045	19,910
Difference	674	43	-1,273	-1,846	-1,341	-1,500	-556	-41	351	136	182	497
Percent Difference	7.8%	0.3%	-4.8%	-2.2%	-1.3%	-2.2%	-1.5%	-0.3%	4.5%	1.1%	2.1%	2.6%
Above Normal (14.6%)												
WSIP 2030 Without Project	7,567	14,332	21,282	46,023	58,321	49,712	19,131	11,177	7,160	13,108	9,223	11,378
WSIP 2030 With Project	8,275	14,634	19,902	43,619	56,080	48,401	18,636	10,950	7,172	13,538	9,544	12,165
Difference	708	302	-1,380	-2,404	-2,240	-1,312	-495	-227	12	430	320	787
Percent Difference	9.4%	2.1%	-6.5%	-5.2%	-3.8%	-2.6%	-2.6%	-2.0%	0.2%	3.3%	3.5%	6.9%
Below Normal (20.7%)												
WSIP 2030 Without Project	5,715	9,112	21,800	20,996	32,460	25,438	14,912	8,640	6,958	13,170	8,633	6,647
WSIP 2030 With Project	7,005	9,688	21,982	19,088	30,938	23,502	14,654	8,378	7,110	13,248	9,351	8,161
Difference	1,290	576	182	-1,907	-1,523	-1,936	-257	-261	152	78	718	1,514
Percent Difference	22.6%	6.3%	0.8%	-9.1%	-4.7%	-7.6%	-1.7%	-3.0%	2.2%	0.6%	8.3%	22.8%
Dry (19.5%)												
WSIP 2030 Without Project	8,109	12,531	32,562	14,650	25,065	19,882	9,144	7,189	6,716	9,527	5,999	5,893
WSIP 2030 With Project	8,880	13,200	31,620	13,469	22,612	17,755	9,206	7,108	6,924	10,253	7,162	7,379
Difference	771	669	-942	-1,182	-2,452	-2,127	62	-81	208	726	1,163	1,485
Percent Difference	9.5%	5.3%	-2.9%	-8.1%	-9.8%	-10.7%	0.7%	-1.1%	3.1%	7.6%	19.4%	25.2%
Critical (14.6%)												
WSIP 2030 Without Project	3,072	4,498	10,620	12,214	14,409	11,531	7,511	5,217	4,961	6,313	4,013	3,809
WSIP 2030 With Project	3,352	4,716	9,190	11,441	13,311	10,530	7,727	5,220	5,387	6,891	4,813	4,803
Difference	280	218	-1,430	-773	-1,099	-1,001	216	3	426	578	800	994
Percent Difference	9.1%	4.8%	-13.5%	-6.3%	-7.6%	-8.7%	2.9%	0.1%	8.6%	9.1%	19.9%	26.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

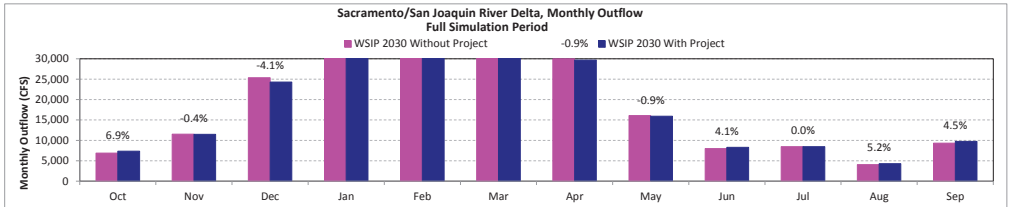
Table SW-33-a
Sacramento/San Joaquin River Delta, Monthly Outflow
Long-term Average and Average by Water Year Type

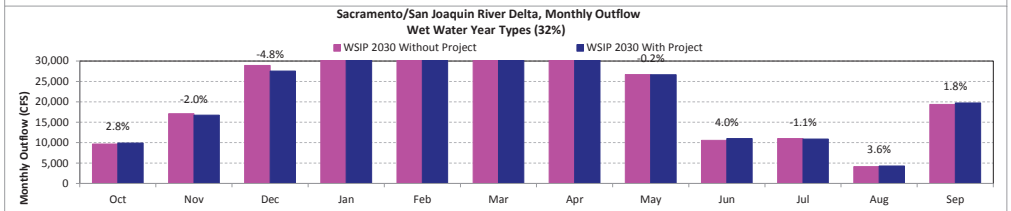
Analysis Period	Monthly Outflow (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	6,897	11,525	25,347	48,708	63,736	48,732	29,976	16,061	7,978	8,475	4,067	9,332
WSIP 2030 With Project	7,372	11,482	24,296	46,938	62,116	47,046	29,695	15,918	8,308	8,473	4,276	9,752
Difference	475	-43	-1,051	-1,770	-1,620	-1,686	-281	-143	329	-1	209	420
Percent Difference[3]	6.9%	-0.4%	-4.1%	-3.6%	-2.5%	-3.5%	-0.9%	-0.9%	4.1%	0.0%	5.2%	4.5%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	9,646	17,082	28,927	101,465	121,221	88,368	55,531	26,691	10,581	11,013	4,127	19,384
WSIP 2030 With Project	9,915	16,747	27,543	99,569	119,831	86,742	54,863	26,625	11,008	10,892	4,275	19,735
Difference	269	-335	-1,384	-1,896	-1,390	-1,626	-668	-65	426	-121	148	351
Percent Difference	2.8%	-2.0%	-4.8%	-1.9%	-1.1%	-1.8%	-1.2%	-0.2%	4.0%	-1.1%	3.6%	1.8%
Above Normal (14.6%)												
WSIP 2030 Without Project	7,344	13,104	19,548	55,217	70,662	61,187	29,671	17,395	7,373	11,452	4,021	11,133
WSIP 2030 With Project	7,671	13,208	18,032	52,802	68,726	59,805	29,125	17,103	7,294	11,682	4,271	11,536
Difference	327	104	-1,516	-2,416	-1,937	-1,382	-546	-292	-79	230	250	403
Percent Difference	4.5%	0.8%	-7.8%	-4.4%	-2.7%	-2.3%	-1.8%	-1.7%	-1.1%	2.0%	6.2%	3.6%
Below Normal (20.7%)												
WSIP 2030 Without Project	4,369	7,100	22,973	23,888	40,056	31,116	23,204	13,261	6,814	8,794	4,050	3,455
WSIP 2030 With Project	5,269	7,201	23,192	21,734	38,929	29,045	22,923	12,957	7,025	8,735	4,311	4,174
Difference	899	101	220	-2,155	-1,127	-2,071	-281	-305	211	-59	260	718
Percent Difference	20.6%	1.4%	1.0%	-9.0%	-2.8%	-6.7%	-1.2%	-2.3%	3.1%	-0.7%	6.4%	20.8%
Dry (19.5%)												
WSIP 2030 Without Project	7,835	11,915	37,913	15,422	29,434	22,586	13,147	8,960	7,006	5,278	4,142	3,262
WSIP 2030 With Project	8,403	12,269	36,559	14,086	26,700	20,500	13,240	8,856	7,301	5,255	4,502	3,663
Difference	568	354	-1,354	-1,336	-2,733	-2,086	93	-104	295	-23	360	401
Percent Difference	7.2%	3.0%	-3.6%	-8.7%	-9.3%	-9.2%	0.7%	-1.2%	4.2%	-0.4%	8.7%	12.3%
Critical (14.6%)												
WSIP 2030 Without Project	3,054	4,116	10,299	11,834	16,331	13,518	9,070	6,014	6,106	4,020	3,908	3,010
WSIP 2030 With Project	3,380	3,801	9,009	10,937	15,336	12,481	9,365	6,037	6,855	4,147	3,933	3,193
Difference	326	-316	-1,290	-897	-995	-1,037	295	23	749	127	25	183
Percent Difference	10.7%	-7.7%	-12.5%	-7.6%	-6.1%	-7.7%	3.3%	0.4%	12.3%	3.2%	0.6%	6.1%

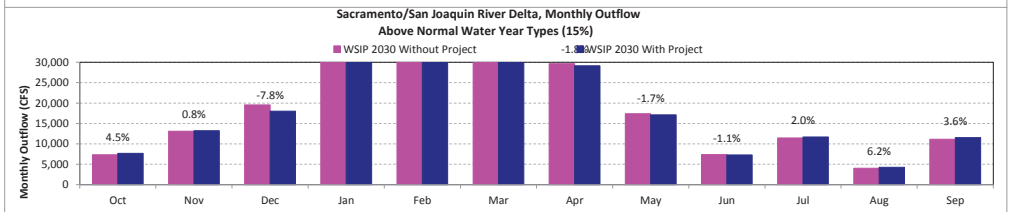
1 Based on the 82-year simulation period

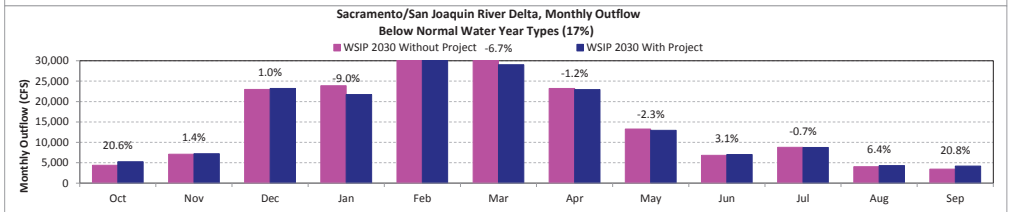
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

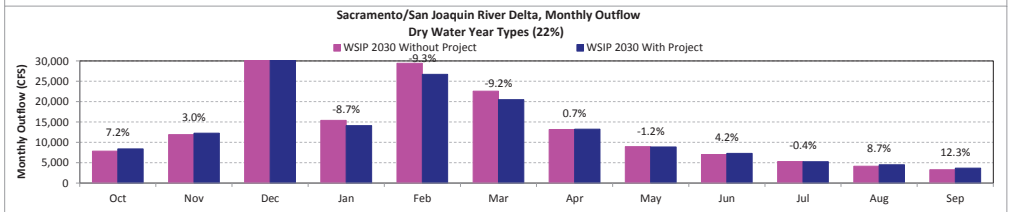
3 Relative difference of the monthly average











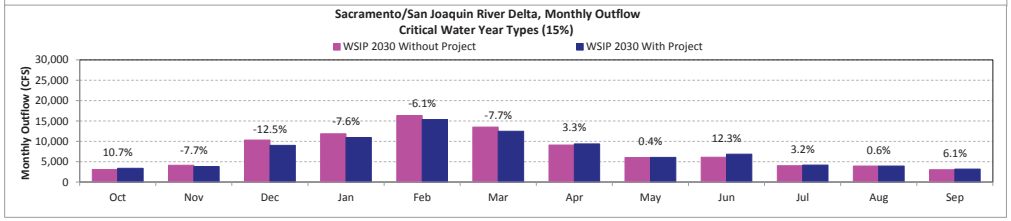


Table SW-34-a
Delta Cross Channel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	4,184	3,887	4,674	5,577	6,574	5,726	3,995	2,858	4,741	7,341	5,473	5,389
WSIP 2030 With Project	4,301	3,903	4,630	5,412	6,421	5,556	3,972	2,842	4,841	7,416	5,673	5,737
Difference	117	16	-44	-165	-153	-170	-22	-16	100	75	201	349
Percent Difference[3]	2.8%	0.4%	-0.9%	-3.0%	-2.3%	-3.0%	-0.6%	-0.6%	2.1%	1.0%	3.7%	6.5%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	4,493	4,126	5,148	8,487	9,503	7,937	5,916	3,515	4,904	7,845	6,051	6,245
WSIP 2030 With Project	4,531	4,041	5,084	8,380	9,446	7,838	5,858	3,513	5,042	7,630	6,062	6,273
Difference	38	-85	-64	-107	-57	-98	-58	-2	138	-215	12	28
Percent Difference	0.8%	-2.1%	-1.3%	-1.3%	-0.6%	-1.2%	-1.0%	0.0%	2.8%	-2.7%	0.2%	0.4%
Above Normal (14.6%)												
WSIP 2030 Without Project	4,731	4,308	4,574	6,789	7,791	7,117	4,028	3,031	4,940	8,258	6,230	7,161
WSIP 2030 With Project	4,656	4,332	4,529	6,589	7,631	6,990	3,985	2,996	4,945	8,444	6,257	7,362
Difference	-75	25	-45	-200	-160	-127	-44	-34	5	186	27	202
Percent Difference	-1.6%	0.6%	-1.0%	-2.9%	-2.1%	-1.8%	-1.1%	-1.1%	0.1%	2.3%	0.4%	2.8%
Below Normal (20.7%)												
WSIP 2030 Without Project	4,271	3,731	4,553	4,230	5,369	4,924	3,476	2,661	4,858	8,291	5,951	4,922
WSIP 2030 With Project	4,507	3,830	4,653	3,972	5,250	4,677	3,453	2,622	4,922	8,328	6,202	5,500
Difference	236	100	100	-258	-119	-246	-23	-40	64	37	251	579
Percent Difference	5.5%	2.7%	2.2%	-6.1%	-2.2%	-5.0%	-0.7%	-1.5%	1.3%	0.4%	4.2%	11.8%
Dry (19.5%)												
WSIP 2030 Without Project	3,975	4,042	5,174	3,436	4,750	4,127	2,670	2,447	4,767	6,572	4,758	4,580
WSIP 2030 With Project	4,211	4,063	5,072	3,267	4,427	3,860	2,680	2,434	4,856	6,911	5,199	5,205
Difference	235	21	-102	-169	-324	-267	9	-12	89	340	441	624
Percent Difference	5.9%	0.5%	-2.0%	-4.9%	-6.8%	-6.5%	0.4%	-0.5%	1.9%	5.2%	9.3%	13.6%
Critical (14.6%)												
WSIP 2030 Without Project	3,149	2,984	3,292	3,066	3,392	2,998	2,460	2,144	4,000	5,053	3,786	3,573
WSIP 2030 With Project	3,295	3,078	3,167	2,949	3,226	2,875	2,492	2,144	4,181	5,324	4,162	4,042
Difference	146	94	-125	-116	-166	-123	33	0	181	271	376	469
Percent Difference	4.6%	3.2%	-3.8%	-3.8%	-4.9%	-4.1%	1.3%	0.0%	4.5%	5.4%	9.9%	13.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-35-a
Old and Middle River, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	-5,543	-6,584	-5,724	-3,122	-2,435	-2,307	1,083	498	-3,577	-8,666	-8,261	-7,029
WSIP 2030 With Project	-5,922	-6,952	-5,780	-3,079	-2,225	-2,216	1,079	490	-3,585	-9,064	-8,807	-7,905
Difference	-379	-367	-56	43	209	91	-4	-8	-8	-398	-546	-876
Percent Difference[3]							-0.3%	-1.5%				
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	-5,333	-6,563	-6,309	-1,209	-1,428	-460	3,141	2,275	-4,188	-8,628	-10,318	-7,348
WSIP 2030 With Project	-5,736	-6,830	-6,353	-1,150	-1,416	-472	3,099	2,256	-4,237	-8,671	-10,373	-7,501
Difference	-402	-267	-44	59	12	-12	-43	-19	-48	-43	-55	-154
Percent Difference							-1.4%	-0.8%				
Above Normal (14.6%)												
WSIP 2030 Without Project	-6,364	-7,229	-7,609	-3,503	-2,998	-3,154	1,404	739	-4,335	-8,481	-10,506	-7,277
WSIP 2030 With Project	-6,650	-7,439	-7,688	-3,314	-2,541	-3,098	1,401	722	-4,428	-8,776	-10,606	-7,875
Difference	-286	-209	-79	189	457	56	-3	-17	-93	-295	-100	-598
Percent Difference							-0.2%	-2.2%				
Below Normal (20.7%)												
WSIP 2030 Without Project	-6,769	-7,331	-5,520	-3,637	-2,729	-3,492	556	124	-4,034	-10,690	-9,461	-8,128
WSIP 2030 With Project	-7,348	-7,858	-5,579	-3,637	-2,245	-3,390	554	122	-4,039	-10,855	-10,119	-9,390
Difference	-578	-527	-59	0	484	102	-2	-2	-4	-165	-658	-1,262
Percent Difference							-0.4%	-1.5%				
Dry (19.5%)												
WSIP 2030 Without Project	-5,335	-6,975	-4,339	-4,283	-2,965	-3,436	-314	-865	-3,058	-9,010	-5,848	-7,045
WSIP 2030 With Project	-5,747	-7,282	-4,624	-4,283	-2,926	-3,150	-295	-875	-3,059	-10,050	-6,994	-8,618
Difference	-412	-307	-285	0	39	286	19	-10	-1	-1,040	-1,146	-1,573
Percent Difference												
Critical (14.6%)												
WSIP 2030 Without Project	-3,910	-4,322	-4,577	-4,346	-2,677	-1,970	-918	-1,008	-1,542	-5,705	-3,213	-4,274
WSIP 2030 With Project	-4,019	-4,918	-4,335	-4,352	-2,427	-1,901	-873	-990	-1,398	-6,357	-4,279	-5,507
Difference	-109	-596	242	-5	250	69	44	18	145	-652	-1,065	-1,233
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-36-a
Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	6,259	7,460	8,597	7,027	7,176	7,107	2,522	2,253	4,350	9,121	8,735	7,889
WSIP 2030 With Project	6,664	7,843	8,656	6,978	6,945	7,004	2,521	2,256	4,356	9,548	9,324	8,838
Difference	405	382	59	-49	-231	-103	0	3	7	426	588	948
Percent Difference[3]	6.5%	5.1%	0.7%	-0.7%	-3.2%	-1.4%	0.0%	0.1%	0.2%	4.7%	6.7%	12.0%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	6,257	7,701	10,130	9,133	10,219	9,438	3,467	3,483	6,668	10,069	11,324	8,520
WSIP 2030 With Project	6,686	7,981	10,173	9,067	10,195	9,445	3,498	3,482	6,712	10,125	11,370	8,694
Difference	429	279	44	-66	-24	7	30	-1	44	57	46	173
Percent Difference	6.9%	3.6%	0.4%	-0.7%	-0.2%	0.1%	0.9%	0.0%	0.7%	0.6%	0.4%	2.0%
Above Normal (14.6%)												
WSIP 2030 Without Project	7,004	8,219	9,807	7,425	8,266	9,155	2,321	1,728	5,043	8,920	11,245	8,337
WSIP 2030 With Project	7,310	8,421	9,899	7,249	7,803	9,092	2,320	1,724	5,139	9,295	11,345	8,938
Difference	306	202	92	-176	-463	-63	-2	-4	96	376	99	602
Percent Difference	4.4%	2.5%	0.9%	-2.4%	-5.6%	-0.7%	-0.1%	-0.2%	1.9%	4.2%	0.9%	7.2%
Below Normal (20.7%)												
WSIP 2030 Without Project	7,523	8,143	7,968	5,601	6,306	6,682	2,491	1,851	4,189	10,826	9,889	9,027
WSIP 2030 With Project	8,131	8,670	8,007	5,580	5,782	6,570	2,489	1,850	4,194	11,005	10,601	10,398
Difference	608	527	39	-21	-524	-112	-3	-1	5	179	712	1,371
Percent Difference	8.1%	6.5%	0.5%	-0.4%	-8.3%	-1.7%	-0.1%	0.0%	0.1%	1.6%	7.2%	15.2%
Dry (19.5%)												
WSIP 2030 Without Project	5,900	7,851	8,111	5,949	4,922	5,401	1,914	1,689	2,873	8,938	5,927	7,786
WSIP 2030 With Project	6,329	8,174	8,425	5,945	4,884	5,088	1,906	1,713	2,875	10,024	7,171	9,486
Difference	429	322	314	-3	-39	-314	-8	24	2	1,086	1,244	1,700
Percent Difference	7.3%	4.1%	3.9%	-0.1%	-0.8%	-5.8%	-0.4%	1.4%	0.1%	12.2%	21.0%	21.8%
Critical (14.6%)												
WSIP 2030 Without Project	4,205	4,711	5,735	5,700	3,983	3,079	1,604	1,537	1,021	5,178	2,944	4,652
WSIP 2030 With Project	4,343	5,364	5,480	5,712	3,709	3,004	1,555	1,534	870	5,897	4,102	5,962
Difference	137	653	-254	13	-274	-76	-49	-3	-151	718	1,157	1,310
Percent Difference	3.3%	13.9%	-4.4%	0.2%	-6.9%	-2.5%	-3.1%	-0.2%	-14.8%	13.9%	39.3%	28.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

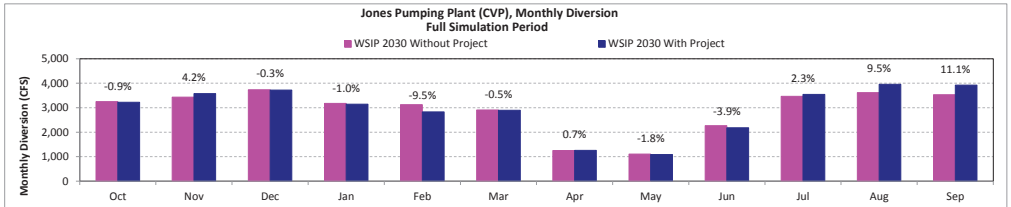
Table SW-37-a
Jones Pumping Plant (CVP), Monthly Diversion
Long-term Average and Average by Water Year Type

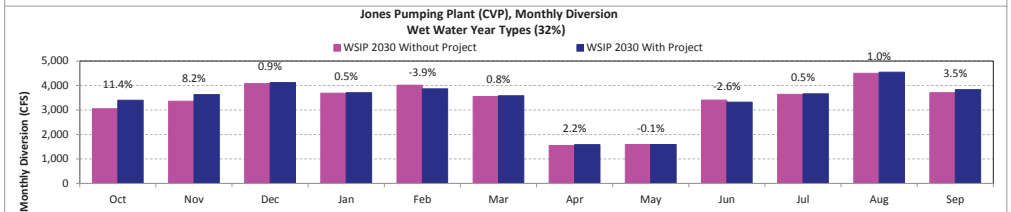
Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	3,250	3,433	3,732	3,179	3,126	2,912	1,250	1,107	2,269	3,465	3,614	3,532
WSIP 2030 With Project	3,221	3,576	3,722	3,146	2,828	2,897	1,258	1,088	2,181	3,545	3,958	3,923
Difference	-29	143	-10	-33	-298	-15	8	-20	-88	80	344	391
Percent Difference[3]	-0.9%	4.2%	-0.3%	-1.0%	-9.5%	-0.5%	0.7%	-1.8%	-3.9%	2.3%	9.5%	11.1%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	3,052	3,356	4,080	3,690	4,016	3,552	1,553	1,591	3,407	3,643	4,496	3,704
WSIP 2030 With Project	3,399	3,631	4,117	3,708	3,861	3,581	1,586	1,590	3,320	3,662	4,542	3,833
Difference	348	274	36	18	-155	28	33	-2	-87	19	46	129
Percent Difference	11.4%	8.2%	0.9%	0.5%	-3.9%	0.8%	2.2%	-0.1%	-2.6%	0.5%	1.0%	3.5%
Above Normal (14.6%)												
WSIP 2030 Without Project	3,257	3,258	4,198	3,233	3,611	3,676	1,169	893	2,895	2,686	4,387	3,606
WSIP 2030 With Project	3,398	3,425	4,202	3,089	3,206	3,629	1,168	891	2,750	3,124	4,486	3,997
Difference	141	167	4	-145	-405	-47	-1	-2	-146	438	99	391
Percent Difference	4.3%	5.1%	0.1%	-4.5%	-11.2%	-1.3%	-0.1%	-0.2%	-5.0%	16.3%	2.3%	10.8%
Below Normal (20.7%)												
WSIP 2030 Without Project	3,675	3,900	3,643	2,800	2,825	2,760	1,245	943	2,101	4,104	3,552	3,797
WSIP 2030 With Project	3,490	3,946	3,635	2,790	2,236	2,725	1,237	946	2,069	4,213	3,948	4,425
Difference	-185	46	-8	-10	-589	-36	-8	4	-32	109	396	628
Percent Difference	-5.0%	1.2%	-0.2%	-0.4%	-20.9%	-1.3%	-0.7%	0.4%	-1.5%	2.7%	11.2%	16.5%
Dry (19.5%)												
WSIP 2030 Without Project	3,446	3,659	3,628	3,013	2,488	2,618	1,046	863	1,460	3,557	2,882	3,523
WSIP 2030 With Project	3,126	3,668	3,609	3,008	2,470	2,576	1,053	803	1,360	3,784	3,584	4,093
Difference	-320	9	-19	-5	-18	-42	7	-60	-100	227	702	570
Percent Difference	-9.3%	0.3%	-0.5%	-0.2%	-0.7%	-1.6%	0.6%	-6.9%	-6.8%	6.4%	24.4%	16.2%
Critical (14.6%)												
WSIP 2030 Without Project	2,795	2,807	2,806	2,815	2,064	1,421	978	873	585	2,846	2,070	2,735
WSIP 2030 With Project	2,418	2,969	2,697	2,720	1,614	1,415	969	819	492	2,456	2,728	3,101
Difference	-377	162	-109	-95	-450	-6	-9	-55	-93	-389	658	366
Percent Difference	-13.5%	5.8%	-3.9%	-3.4%	-21.8%	-0.4%	-0.9%	-6.3%	-15.9%	-13.7%	31.8%	13.4%

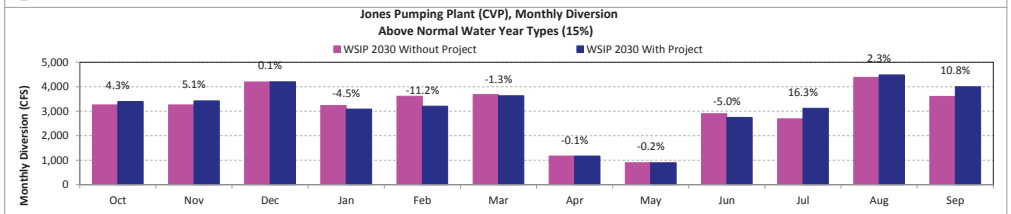
1 Based on the 82-year simulation period

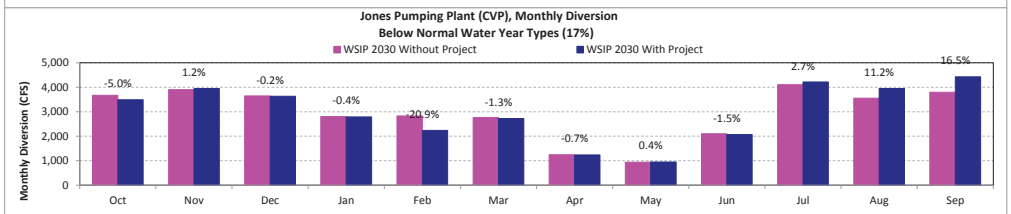
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

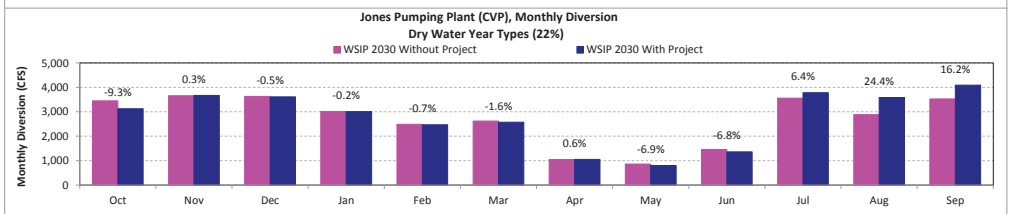
3 Relative difference of the monthly average











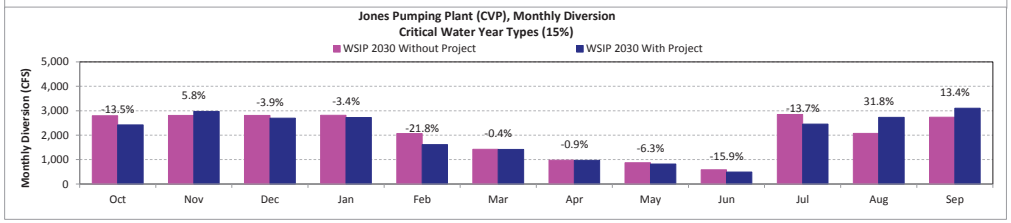


Table SW-38-a
Banks Pumping Plant (SWP and CVP), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	3,008	4,027	4,865	3,848	4,050	4,195	1,272	1,146	2,081	5,656	5,121	4,357
WSIP 2030 With Project	3,443	4,266	4,934	3,832	4,116	4,107	1,263	1,168	2,175	6,003	5,366	4,914
Difference	435	239	69	-16	67	-88	-9	23	94	347	244	557
Percent Difference[3]	14.5%	5.9%	1.4%	-0.4%	1.6%	-2.1%	-0.7%	2.0%	4.5%	6.1%	4.8%	12.8%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	3,205	4,345	6,049	5,443	6,203	5,886	1,915	1,892	3,261	6,426	6,828	4,816
WSIP 2030 With Project	3,287	4,350	6,057	5,359	6,334	5,864	1,912	1,892	3,392	6,463	6,828	4,861
Difference	81	5	7	-84	131	-22	-3	0	131	37	0	45
Percent Difference	2.5%	0.1%	0.1%	-1.5%	2.1%	-0.4%	-0.2%	0.0%	4.0%	0.6%	0.0%	0.9%
Above Normal (14.6%)												
WSIP 2030 Without Project	3,747	4,961	5,609	4,191	4,655	5,479	1,152	835	2,148	6,234	6,859	4,731
WSIP 2030 With Project	3,912	4,996	5,698	4,160	4,596	5,463	1,151	833	2,389	6,172	6,859	4,941
Difference	165	35	89	-31	-59	-16	-1	-2	241	-62	0	211
Percent Difference	4.4%	0.7%	1.6%	-0.7%	-1.3%	-0.3%	-0.1%	-0.2%	11.2%	-1.0%	0.0%	4.5%
Below Normal (20.7%)												
WSIP 2030 Without Project	3,847	4,243	4,325	2,800	3,481	3,922	1,246	909	2,088	6,722	6,337	5,230
WSIP 2030 With Project	4,641	4,725	4,373	2,790	3,546	3,845	1,252	904	2,125	6,792	6,653	5,973
Difference	794	481	48	-10	65	-77	6	-4	36	70	316	743
Percent Difference	20.6%	11.3%	1.1%	-0.4%	1.9%	-2.0%	0.5%	-0.5%	1.7%	1.0%	5.0%	14.2%
Dry (19.5%)												
WSIP 2030 Without Project	2,454	4,192	4,483	2,936	2,434	2,784	868	826	1,413	5,381	3,045	4,263
WSIP 2030 With Project	3,203	4,505	4,816	2,937	2,414	2,512	853	910	1,514	6,241	3,587	5,393
Difference	749	313	333	2	-20	-272	-15	83	102	860	542	1,130
Percent Difference	30.5%	7.5%	7.4%	0.1%	-0.8%	-9.8%	-1.7%	10.1%	7.2%	16.0%	17.8%	26.5%
Critical (14.6%)												
WSIP 2030 Without Project	1,410	1,904	2,928	2,885	1,920	1,659	625	663	436	2,333	875	1,917
WSIP 2030 With Project	1,925	2,395	2,783	2,992	2,095	1,589	585	715	378	3,440	1,374	2,861
Difference	515	491	-145	107	176	-70	-40	52	-58	1,108	499	944
Percent Difference	36.5%	25.8%	-5.0%	3.7%	9.1%	-4.2%	-6.4%	7.8%	-13.2%	47.5%	57.1%	49.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-39-a
Banks Pumping Plant (SWP), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	2,969	3,443	4,853	3,848	4,031	4,182	1,272	1,146	2,060	5,414	4,801	4,152
WSIP 2030 With Project	3,384	3,722	4,919	3,832	4,102	4,106	1,263	1,168	2,173	5,785	5,015	4,752
Difference	415	279	65	-16	71	-77	-9	23	113	371	213	600
Percent Difference[3]	14.0%	8.1%	1.3%	-0.4%	1.8%	-1.8%	-0.7%	2.0%	5.5%	6.8%	4.4%	14.4%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	3,205	3,146	6,015	5,443	6,143	5,843	1,915	1,892	3,199	6,299	6,666	4,816
WSIP 2030 With Project	3,287	3,215	6,014	5,359	6,296	5,864	1,912	1,892	3,392	6,308	6,631	4,861
Difference	81	69	-1	-84	154	21	-3	0	193	9	-35	45
Percent Difference	2.5%	2.2%	0.0%	-1.5%	2.5%	0.4%	-0.2%	0.0%	6.0%	0.1%	-0.5%	0.9%
Above Normal (14.6%)												
WSIP 2030 Without Project	3,747	3,511	5,600	4,191	4,655	5,479	1,152	835	2,148	6,167	6,623	4,731
WSIP 2030 With Project	3,912	3,643	5,683	4,160	4,596	5,453	1,151	833	2,389	6,116	6,680	4,941
Difference	165	131	83	-31	-59	-26	-1	-2	241	-51	57	211
Percent Difference	4.4%	3.7%	1.5%	-0.7%	-1.3%	-0.5%	-0.1%	-0.2%	11.2%	-0.8%	0.9%	4.5%
Below Normal (20.7%)												
WSIP 2030 Without Project	3,705	4,212	4,325	2,800	3,481	3,922	1,246	909	2,078	6,515	5,847	4,507
WSIP 2030 With Project	4,388	4,725	4,373	2,790	3,533	3,845	1,252	904	2,115	6,529	6,204	5,445
Difference	683	512	48	-10	52	-77	6	-4	36	14	357	938
Percent Difference	18.4%	12.2%	1.1%	-0.4%	1.5%	-2.0%	0.5%	-0.5%	1.8%	0.2%	6.1%	20.8%
Dry (19.5%)												
WSIP 2030 Without Project	2,404	4,192	4,483	2,936	2,434	2,784	868	826	1,413	4,864	2,550	4,112
WSIP 2030 With Project	3,177	4,505	4,816	2,937	2,413	2,512	853	910	1,514	5,919	2,865	5,278
Difference	772	313	333	2	-21	-272	-15	83	102	1,055	315	1,166
Percent Difference	32.1%	7.5%	7.4%	0.1%	-0.9%	-9.8%	-1.7%	10.1%	7.2%	21.7%	12.3%	28.4%
Critical (14.6%)												
WSIP 2030 Without Project	1,410	1,904	2,928	2,885	1,920	1,659	625	663	436	1,992	616	1,741
WSIP 2030 With Project	1,912	2,395	2,783	2,992	2,095	1,589	585	715	378	3,131	1,161	2,653
Difference	501	491	-145	107	176	-70	-40	52	-58	1,139	545	912
Percent Difference	35.6%	25.8%	-5.0%	3.7%	9.1%	-4.2%	-6.4%	7.8%	-13.2%	57.2%	88.5%	52.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

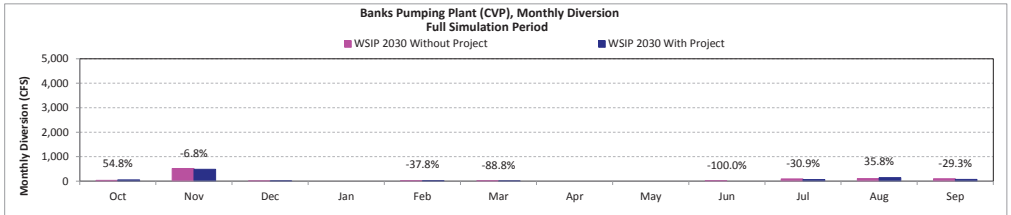
Table SW-40-a
Banks Pumping Plant (CVP), Monthly Diversion
Long-term Average and Average by Water Year Type

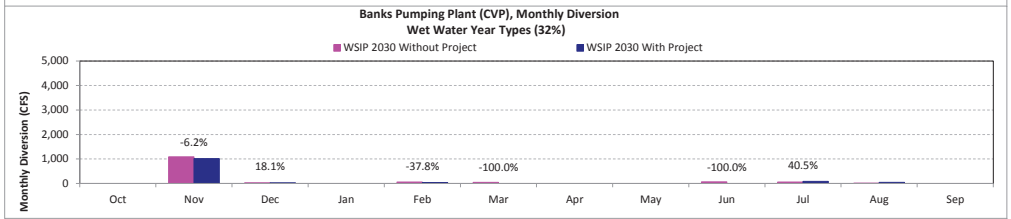
Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	33	518	7	0	18	13	0	0	19	95	107	102
WSIP 2030 With Project	51	483	8	0	12	1	0	0	0	66	145	72
Difference	18	-35	1	0	-7	-12	0	0	-19	-29	38	-30
Percent Difference[3]	54.8%	-6.8%			-37.8%	-88.8%			-100.0%	-30.9%	35.8%	-29.3%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	0	1,084	24	0	61	43	0	0	62	59	14	0
WSIP 2030 With Project	0	1,017	28	0	38	0	0	0	0	83	49	0
Difference	0	-67	4	0	-23	-43	0	0	-62	24	35	0
Percent Difference		-6.2%	18.1%		-37.8%	-100.0%			-100.0%	40.5%		
Above Normal (14.6%)												
WSIP 2030 Without Project	0	1,236	0	0	0	0	0	0	0	0	56	0
WSIP 2030 With Project	0	1,181	0	0	0	10	0	0	0	1	0	0
Difference	0	-56	0	0	0	10	0	0	0	1	-56	0
Percent Difference		-4.5%									-100.0%	
Below Normal (20.7%)												
WSIP 2030 Without Project	132	31	0	0	0	0	0	0	0	0	202	484
WSIP 2030 With Project	245	0	0	0	0	0	0	0	0	16	184	349
Difference	113	-31	0	0	0	0	0	0	0	16	-18	-135
Percent Difference	85.0%	-100.0%									-8.9%	-28.0%
Dry (19.5%)												
WSIP 2030 Without Project	27	0	0	0	0	0	0	0	0	260	230	10
WSIP 2030 With Project	0	0	0	0	0	0	0	0	0	55	428	0
Difference	-27	0	0	0	0	0	0	0	0	-205	198	-10
Percent Difference	-100.0%									-78.9%	86.1%	-100.0%
Critical (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	183	53	0
WSIP 2030 With Project	0	0	0	0	0	0	0	0	0	181	59	0
Difference	0	0	0	0	0	0	0	0	0	-2	6	0
Percent Difference										-1.1%	11.5%	

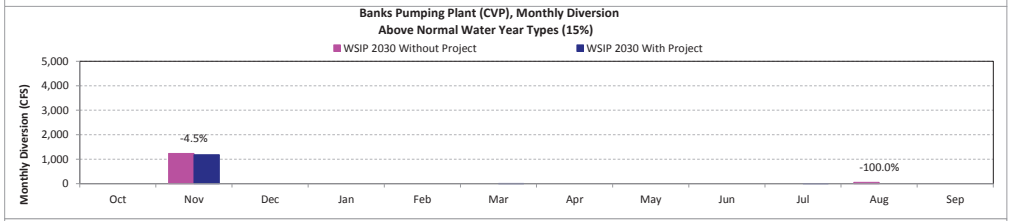
1 Based on the 82-year simulation period

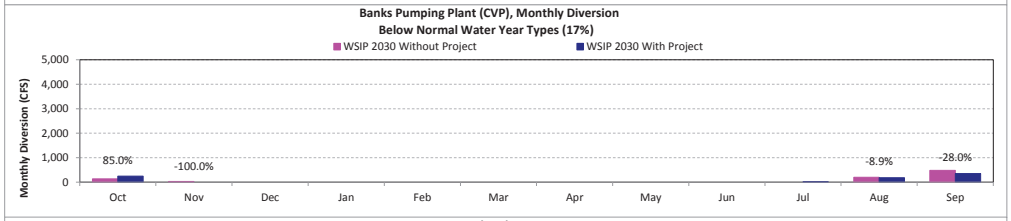
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

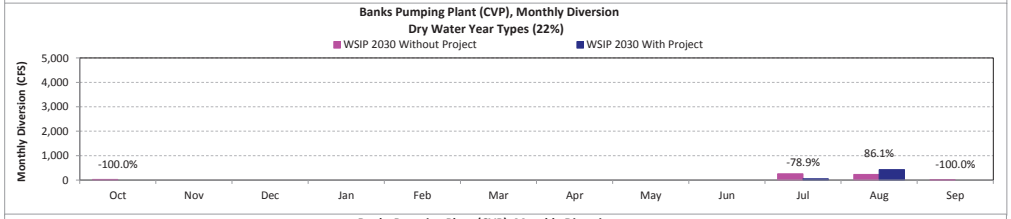
3 Relative difference of the monthly average











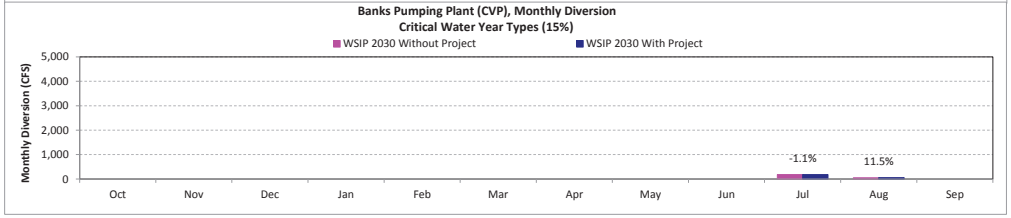


Table SW-41-a
San Luis Reservoir (SWP and CVP), End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	457	596	863	1,155	1,385	1,577	1,429	1,136	780	631	492	462
WSIP 2030 With Project	496	643	902	1,186	1,399	1,581	1,428	1,122	749	609	491	500
Difference	39	47	39	31	14	4	-2	-14	-31	-21	0	37
Percent Difference[3]	8.6%	7.9%	4.5%	2.7%	1.0%	0.3%	-0.1%	-1.3%	-4.0%	-3.4%	0.0%	8.1%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	497	548	812	1,329	1,674	1,905	1,722	1,394	1,047	802	671	595
WSIP 2030 With Project	486	548	815	1,302	1,645	1,882	1,703	1,369	1,020	777	646	571
Difference	-11	1	4	-27	-29	-23	-20	-24	-27	-25	-24	-24
Percent Difference	-2.2%	0.1%	0.4%	-2.0%	-1.7%	-1.2%	-1.1%	-1.8%	-2.5%	-3.1%	-3.6%	-4.0%
Above Normal (14.6%)												
WSIP 2030 Without Project	404	493	772	1,231	1,481	1,761	1,545	1,160	741	503	453	403
WSIP 2030 With Project	406	503	788	1,254	1,472	1,738	1,523	1,128	707	478	425	399
Difference	2	10	16	24	-9	-24	-23	-31	-34	-26	-28	-3
Percent Difference	0.5%	2.1%	2.0%	1.9%	-0.6%	-1.3%	-1.5%	-2.7%	-4.6%	-5.2%	-6.2%	-0.9%
Below Normal (20.7%)												
WSIP 2030 Without Project	611	810	1,053	1,122	1,319	1,508	1,370	1,072	700	648	557	556
WSIP 2030 With Project	669	882	1,113	1,157	1,322	1,493	1,346	1,033	645	595	533	603
Difference	58	72	60	34	2	-14	-24	-39	-55	-53	-24	47
Percent Difference	9.6%	9.0%	5.7%	3.1%	0.2%	-0.9%	-1.7%	-3.6%	-7.9%	-8.2%	-4.2%	8.5%
Dry (19.5%)												
WSIP 2030 Without Project	391	642	952	981	1,131	1,304	1,191	939	600	542	329	356
WSIP 2030 With Project	461	698	992	1,013	1,155	1,307	1,175	901	529	506	340	431
Difference	70	56	40	32	24	3	-16	-38	-71	-36	11	75
Percent Difference	18.0%	8.7%	4.2%	3.3%	2.2%	0.3%	-1.3%	-4.0%	-11.9%	-6.6%	3.3%	21.1%
Critical (14.6%)												
WSIP 2030 Without Project	297	436	671	996	1,116	1,168	1,103	930	618	495	281	256
WSIP 2030 With Project	410	568	776	1,151	1,245	1,286	1,211	1,020	668	551	378	397
Difference	113	132	105	154	129	117	108	90	50	55	96	141
Percent Difference	38.2%	30.2%	15.6%	15.5%	11.5%	10.0%	9.8%	9.7%	8.1%	11.2%	34.2%	55.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

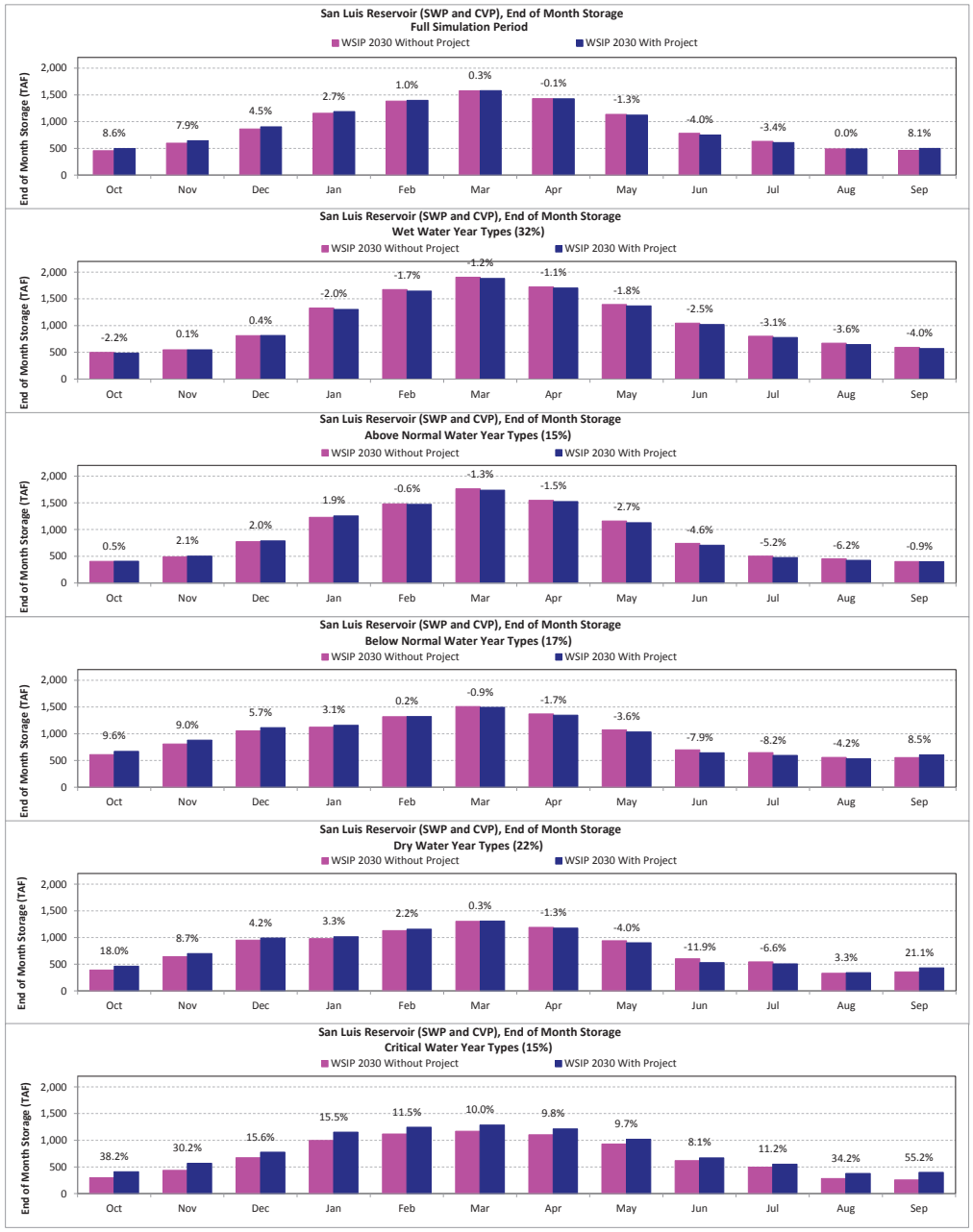


Table SW-42-a
San Luis Reservoir (SWP and CVP), End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	389	406	436	466	487	503	491	464	427	410	392	390
WSIP 2030 With Project	394	411	440	469	488	504	491	463	423	407	392	395
Difference	5	5	4	3	1	1	0	-1	-4	-3	0	5
Percent Difference[3]	1.2%	1.2%	0.9%	0.6%	0.3%	0.1%	0.0%	-0.3%	-0.9%	-0.7%	0.0%	1.3%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	394	399	431	482	512	531	517	488	455	429	415	407
WSIP 2030 With Project	393	399	431	479	510	529	515	486	452	427	412	404
Difference	-1	0	0	-3	-2	-2	-2	-2	-3	-3	-3	-3
Percent Difference	-0.3%	0.1%	0.1%	-0.6%	-0.5%	-0.3%	-0.3%	-0.5%	-0.6%	-0.6%	-0.6%	-0.7%
Above Normal (14.6%)												
WSIP 2030 Without Project	384	395	428	472	496	519	502	467	424	393	387	383
WSIP 2030 With Project	383	396	430	474	494	518	500	464	420	390	383	382
Difference	0	1	2	1	-1	-2	-2	-3	-4	-3	-4	-1
Percent Difference	-0.1%	0.3%	0.5%	0.2%	-0.3%	-0.4%	-0.4%	-0.6%	-0.9%	-0.8%	-1.0%	-0.2%
Below Normal (20.7%)												
WSIP 2030 Without Project	410	432	456	464	481	498	486	458	418	412	402	404
WSIP 2030 With Project	415	439	462	466	481	497	484	454	411	405	398	408
Difference	6	7	5	3	0	-1	-2	-4	-7	-7	-4	5
Percent Difference	1.4%	1.7%	1.2%	0.6%	0.0%	-0.3%	-0.5%	-0.9%	-1.7%	-1.7%	-1.0%	1.2%
Dry (19.5%)												
WSIP 2030 Without Project	381	413	446	450	465	481	471	446	408	401	371	376
WSIP 2030 With Project	389	418	449	453	467	481	469	442	400	396	372	385
Difference	8	5	3	3	2	0	-1	-4	-9	-5	1	9
Percent Difference	2.2%	1.2%	0.6%	0.7%	0.5%	0.1%	-0.3%	-0.8%	-2.1%	-1.2%	0.2%	2.5%
Critical (14.6%)												
WSIP 2030 Without Project	367	387	415	451	462	467	461	444	410	395	364	360
WSIP 2030 With Project	383	403	428	466	475	479	472	453	415	402	378	381
Difference	16	16	12	15	12	11	10	9	5	6	14	20
Percent Difference	4.3%	4.1%	2.9%	3.4%	2.7%	2.4%	2.3%	2.0%	1.2%	1.6%	3.8%	5.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-43-a
San Luis Reservoir (SWP and CVP), End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	7,320	8,091	9,315	10,368	11,038	11,556	11,177	10,314	8,946	8,221	7,394	7,354
WSIP 2030 With Project	7,517	8,282	9,453	10,459	11,084	11,580	11,182	10,272	8,779	8,090	7,386	7,586
Difference	197	191	138	90	46	23	4	-42	-167	-131	-8	232
Percent Difference[3]	2.7%	2.4%	1.5%	0.9%	0.4%	0.2%	0.0%	-0.4%	-1.9%	-1.6%	-0.1%	3.1%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	7,554	7,736	9,125	10,880	11,837	12,391	11,973	11,096	9,993	9,015	8,463	8,165
WSIP 2030 With Project	7,490	7,763	9,147	10,791	11,761	12,340	11,926	11,024	9,898	8,911	8,359	8,054
Difference	-64	27	22	-89	-76	-50	-48	-72	-95	-104	-104	-111
Percent Difference	-0.8%	0.4%	0.2%	-0.8%	-0.6%	-0.4%	-0.4%	-0.7%	-0.9%	-1.2%	-1.2%	-1.4%
Above Normal (14.6%)												
WSIP 2030 Without Project	7,129	7,626	9,009	10,579	11,325	12,057	11,525	10,427	8,868	7,399	7,089	7,101
WSIP 2030 With Project	7,079	7,684	9,115	10,584	11,277	12,002	11,467	10,329	8,719	7,256	6,881	7,033
Difference	-50	58	106	6	-48	-54	-58	-98	-150	-143	-207	-68
Percent Difference	-0.7%	0.8%	1.2%	0.1%	-0.4%	-0.4%	-0.5%	-0.9%	-1.7%	-1.9%	-2.9%	-1.0%
Below Normal (20.7%)												
WSIP 2030 Without Project	8,313	9,188	10,044	10,306	10,871	11,406	11,033	10,122	8,585	8,312	7,959	8,086
WSIP 2030 With Project	8,479	9,433	10,219	10,392	10,863	11,359	10,957	9,985	8,254	7,986	7,699	8,255
Difference	166	245	175	86	-8	-47	-75	-137	-331	-326	-260	169
Percent Difference	2.0%	2.7%	1.7%	0.8%	-0.1%	-0.4%	-0.7%	-1.4%	-3.9%	-3.9%	-3.3%	2.1%
Dry (19.5%)												
WSIP 2030 Without Project	6,910	8,437	9,682	9,852	10,343	10,887	10,550	9,724	8,260	7,917	6,369	6,666
WSIP 2030 With Project	7,263	8,546	9,703	9,965	10,428	10,898	10,505	9,597	7,890	7,663	6,374	7,087
Difference	353	109	21	112	85	12	-45	-127	-370	-253	5	421
Percent Difference	5.1%	1.3%	0.2%	1.1%	0.8%	0.1%	-0.4%	-1.3%	-4.5%	-3.2%	0.1%	6.3%
Critical (14.6%)												
WSIP 2030 Without Project	6,166	7,280	8,496	9,867	10,248	10,423	10,213	9,632	8,272	7,666	6,040	5,800
WSIP 2030 With Project	6,987	7,980	9,011	10,394	10,667	10,793	10,566	9,953	8,439	7,927	6,771	6,880
Difference	821	700	515	527	419	370	354	322	167	261	731	1,080
Percent Difference	13.3%	9.6%	6.1%	5.3%	4.1%	3.6%	3.5%	3.3%	2.0%	3.4%	12.1%	18.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-44-a
San Luis Reservoir (CVP), End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	214	328	490	614	706	774	708	573	398	255	166	175
WSIP 2030 With Project	235	355	515	636	711	777	709	569	384	244	176	202
Difference	21	27	25	23	5	2	1	-4	-14	-10	10	28
Percent Difference[3]	10.0%	8.2%	5.1%	3.7%	0.7%	0.3%	0.1%	-0.8%	-3.6%	-4.0%	6.2%	15.9%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	241	339	506	678	824	924	856	725	573	351	240	231
WSIP 2030 With Project	225	335	502	673	809	907	840	704	539	319	211	201
Difference	-17	-4	-4	-5	-15	-17	-16	-21	-34	-32	-29	-30
Percent Difference	-6.9%	-1.1%	-0.7%	-0.7%	-1.8%	-1.8%	-1.9%	-2.9%	-6.0%	-9.2%	-12.0%	-13.0%
Above Normal (14.6%)												
WSIP 2030 Without Project	167	262	442	652	765	876	788	628	432	193	130	127
WSIP 2030 With Project	172	273	451	667	756	862	772	605	396	179	116	129
Difference	5	10	9	15	-9	-13	-16	-22	-36	-14	-14	2
Percent Difference	3.1%	3.9%	2.0%	2.3%	-1.1%	-1.5%	-2.1%	-3.5%	-8.4%	-7.4%	-10.7%	1.6%
Below Normal (20.7%)												
WSIP 2030 Without Project	275	418	579	623	699	756	694	558	369	271	184	213
WSIP 2030 With Project	313	453	613	649	691	745	683	543	350	266	204	265
Difference	37	35	34	26	-8	-11	-11	-15	-18	-5	20	52
Percent Difference	13.6%	8.4%	5.8%	4.2%	-1.1%	-1.4%	-1.7%	-2.7%	-5.0%	-1.9%	11.1%	24.4%
Dry (19.5%)												
WSIP 2030 Without Project	180	316	487	528	576	630	567	424	245	179	97	121
WSIP 2030 With Project	223	359	528	541	588	637	572	420	230	170	133	188
Difference	44	43	41	13	11	7	5	-4	-15	-9	36	66
Percent Difference	24.3%	13.5%	8.4%	2.4%	2.0%	1.2%	0.9%	-0.9%	-6.1%	-5.0%	37.1%	54.6%
Critical (14.6%)												
WSIP 2030 Without Project	161	258	386	543	588	581	529	423	245	192	115	120
WSIP 2030 With Project	225	332	454	637	657	649	596	486	301	223	182	208
Difference	65	74	67	95	69	68	67	63	57	31	67	88
Percent Difference	40.2%	28.8%	17.4%	17.5%	11.8%	11.8%	12.7%	15.0%	23.1%	16.2%	58.5%	73.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

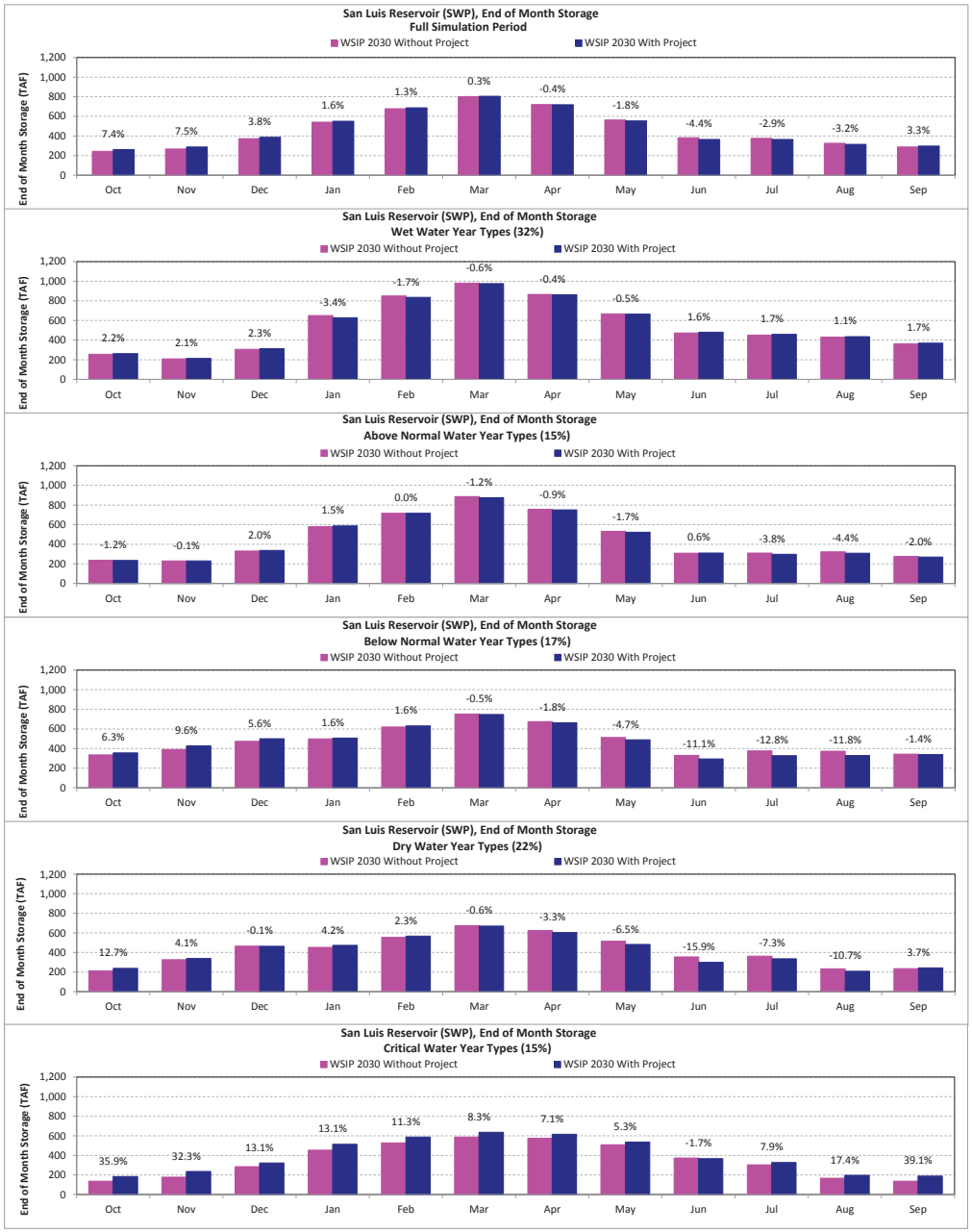
Table SW-45-a
San Luis Reservoir (SWP), End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	243	268	372	542	678	802	721	563	382	376	326	288
WSIP 2030 With Project	261	288	386	550	687	804	718	553	365	365	315	297
Difference	18	20	14	9	9	2	-3	-10	-17	-11	-10	10
Percent Difference[3]	7.4%	7.5%	3.8%	1.6%	1.3%	0.3%	-0.4%	-1.8%	-4.4%	-2.9%	-3.2%	3.3%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	256	209	306	651	850	981	866	668	473	451	431	363
WSIP 2030 With Project	262	213	313	629	836	975	863	665	481	458	435	370
Difference	6	4	7	-22	-14	-6	-3	-3	8	7	5	6
Percent Difference	2.2%	2.1%	2.3%	-3.4%	-1.7%	-0.6%	-0.4%	-0.5%	1.6%	1.7%	1.1%	1.7%
Above Normal (14.6%)												
WSIP 2030 Without Project	237	230	331	579	716	886	757	532	309	310	324	275
WSIP 2030 With Project	234	230	337	587	716	875	751	523	311	298	309	270
Difference	-3	0	7	9	0	-10	-7	-9	2	-12	-14	-5
Percent Difference	-1.2%	-0.1%	2.0%	1.5%	0.0%	-1.2%	-0.9%	-1.7%	0.6%	-3.8%	-4.4%	-2.0%
Below Normal (20.7%)												
WSIP 2030 Without Project	335	391	474	500	621	752	676	514	332	377	373	343
WSIP 2030 With Project	357	429	501	508	631	748	663	490	295	328	329	338
Difference	21	37	27	8	10	-4	-12	-24	-37	-48	-44	-5
Percent Difference	6.3%	9.6%	5.6%	1.6%	1.6%	-0.5%	-1.8%	-4.7%	-11.1%	-12.8%	-11.8%	-1.4%
Dry (19.5%)												
WSIP 2030 Without Project	211	326	464	453	555	674	624	515	355	363	233	234
WSIP 2030 With Project	238	339	464	472	568	670	604	482	299	336	208	243
Difference	27	13	0	19	13	-4	-21	-34	-56	-27	-25	9
Percent Difference	12.7%	4.1%	-0.1%	4.2%	2.3%	-0.6%	-3.3%	-6.5%	-15.9%	-7.3%	-10.7%	3.7%
Critical (14.6%)												
WSIP 2030 Without Project	136	178	285	454	528	587	575	508	373	304	167	136
WSIP 2030 With Project	185	236	322	513	588	636	615	534	367	328	196	189
Difference	49	58	37	59	60	49	41	27	-6	24	29	53
Percent Difference	35.9%	32.3%	13.1%	13.1%	11.3%	8.3%	7.1%	5.3%	-1.7%	7.9%	17.4%	39.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



Sacramento-San Joaquin Delta Operations

Exceedance Probability Charts and Tables

Figure SW-30-b
Sacramento River below Hood, Monthly Flow
Probability of Exceedance

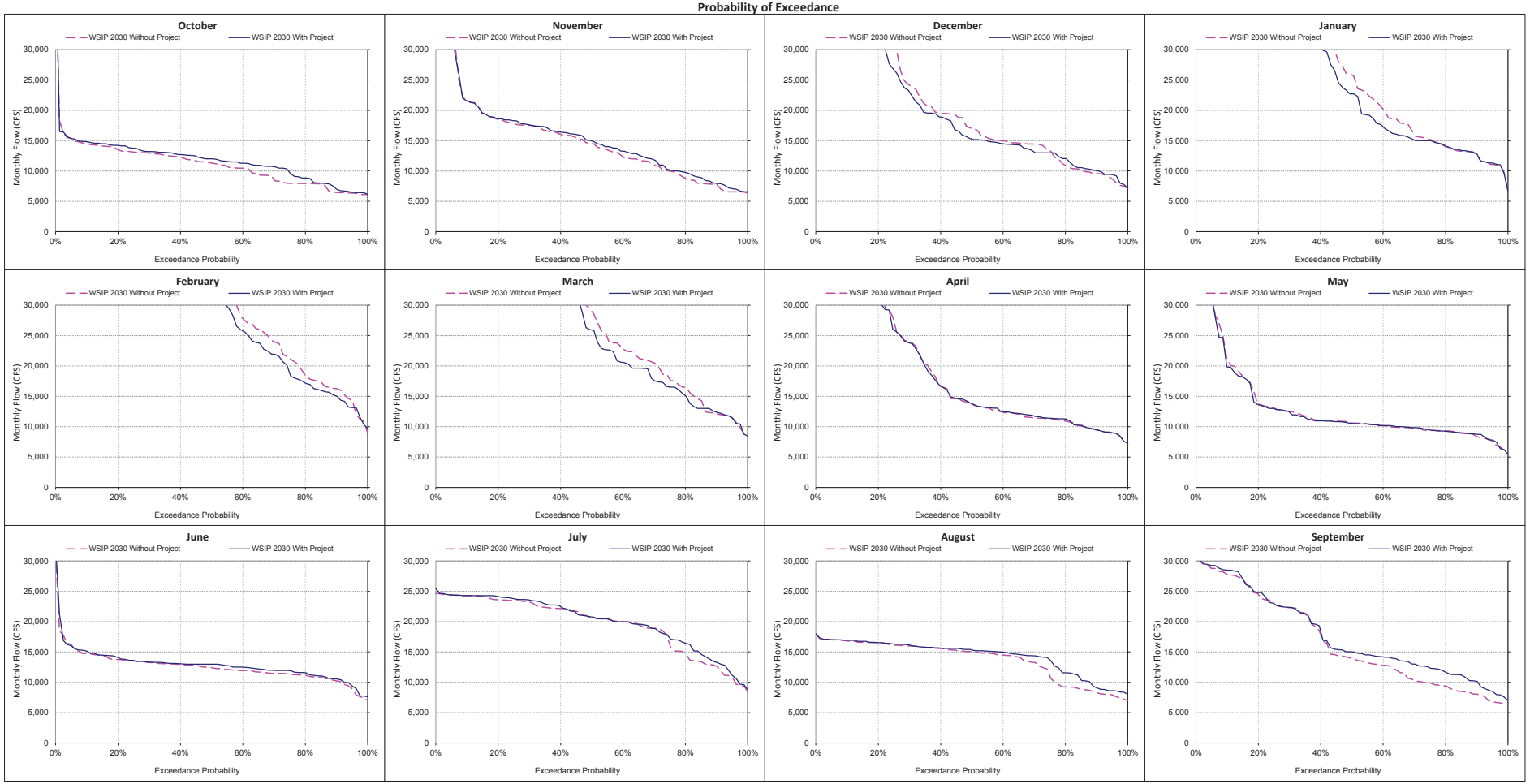


Table SW-30-b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,906	46,561	1,656	3.7%
1.2%	18,309	16,496	-1,813	-9.9%
2.5%	16,311	16,424	113	0.7%
3.7%	15,483	15,701	219	1.4%
4.9%	15,429	15,352	-77	-0.5%
6.2%	14,924	15,261	338	2.3%
7.4%	14,812	14,933	121	0.8%
8.6%	14,617	14,855	238	1.6%
9.9%	14,583	14,852	270	1.8%
11.1%	14,349	14,686	337	2.4%
12.3%	14,306	14,581	275	1.9%
13.6%	14,228	14,576	348	2.4%
14.8%	14,120	14,491	371	2.6%
16.0%	14,080	14,487	407	2.9%
17.3%	14,042	14,313	271	1.9%
18.5%	14,002	14,227	225	1.6%
19.8%	13,550	14,226	676	5.0%
21.0%	13,302	14,152	849	6.4%
22.2%	13,235	14,149	914	6.9%
23.5%	13,231	13,835	604	4.6%
24.7%	13,147	13,760	612	4.7%
25.9%	13,046	13,726	680	5.2%
27.2%	13,037	13,407	370	2.8%
28.4%	13,022	13,263	241	1.9%
29.6%	12,987	13,211	224	1.7%
30.9%	12,826	13,204	378	2.9%
32.1%	12,821	13,161	340	2.7%
33.3%	12,791	13,090	299	2.3%
34.6%	12,642	13,059	417	3.3%
35.8%	12,527	13,016	489	3.9%
37.0%	12,444	13,011	567	4.6%
38.3%	12,438	12,832	395	3.2%
39.5%	12,234	12,713	479	3.9%
40.7%	12,177	12,706	530	4.3%
42.0%	11,925	12,613	687	5.8%
43.2%	11,843	12,572	729	6.2%
44.4%	11,755	12,501	747	6.4%
45.7%	11,541	12,250	709	6.1%
46.9%	11,510	12,137	626	5.4%
48.1%	11,490	12,022	531	4.6%
49.4%	11,369	12,021	652	5.7%
50.6%	11,245	11,994	749	6.7%
51.9%	11,139	11,878	739	6.6%
53.1%	10,988	11,664	676	6.2%
54.3%	10,930	11,635	705	6.5%
55.6%	10,595	11,532	937	8.8%
56.8%	10,558	11,495	937	8.9%
58.0%	10,473	11,494	1,021	9.7%
59.3%	10,470	11,299	829	7.9%
60.5%	10,444	11,280	836	8.0%
61.7%	10,355	11,226	871	8.4%
63.0%	9,664	11,003	1,338	13.8%
64.2%	9,591	10,940	1,349	14.1%
65.4%	9,330	10,929	1,599	17.1%
66.7%	9,309	10,796	1,487	16.0%
67.9%	9,284	10,770	1,486	16.0%
69.1%	9,157	10,747	1,591	17.4%
70.4%	8,349	10,683	2,334	28.0%
71.6%	8,328	10,469	2,141	25.7%
72.8%	8,167	10,452	2,284	28.0%
74.1%	7,970	10,322	2,352	29.5%
75.3%	7,968	9,515	1,547	19.4%
76.5%	7,956	9,099	1,143	14.4%
77.8%	7,955	9,062	1,107	13.9%
79.0%	7,945	8,851	905	11.4%
80.2%	7,942	8,847	906	11.4%
81.5%	7,920	8,738	817	10.3%
82.7%	7,912	8,070	158	2.0%
84.0%	7,892	8,036	144	1.8%
85.2%	7,880	7,994	114	1.4%
86.4%	7,527	7,945	418	5.6%
87.7%	6,602	7,861	1,259	19.1%
88.9%	6,525	7,515	989	15.2%
90.1%	6,470	6,943	473	7.3%
91.4%	6,430	6,763	333	5.2%
92.6%	6,402	6,694	292	4.6%
93.8%	6,374	6,627	253	4.0%
95.1%	6,357	6,470	113	1.8%
96.3%	6,313	6,456	143	2.3%
97.5%	6,125	6,434	309	5.0%
98.8%	6,123	6,403	280	4.6%
100.0%	6,105	6,179	73	1.2%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,108	52,066	-2,041	-3.8%
1.2%	49,151	48,972	-179	-0.4%
2.5%	47,977	46,846	-1,131	-2.4%
3.7%	40,516	42,823	2,306	5.7%
4.9%	33,592	33,571	-21	-0.1%
6.2%	30,866	29,157	-1,709	-5.5%
7.4%	25,013	25,764	751	3.0%
8.6%	22,145	21,996	-150	-0.7%
9.9%	21,734	21,577	-158	-0.7%
11.1%	21,316	21,316	0	0.0%
12.3%	21,288	21,152	-136	-0.6%
13.6%	20,767	20,554	-213	-1.0%
14.8%	19,592	19,540	-52	-0.3%
16.0%	19,385	19,322	-63	-0.3%
17.3%	18,979	18,929	-50	-0.3%
18.5%	18,768	18,912	144	0.8%
19.8%	18,524	18,608	84	0.5%
21.0%	18,454	18,595	142	0.8%
22.2%	18,152	18,432	280	1.5%
23.5%	17,984	18,426	442	2.5%
24.7%	17,855	18,282	427	2.4%
25.9%	17,663	18,260	597	3.4%
27.2%	17,578	17,827	249	1.4%
28.4%	17,573	17,726	153	0.9%
29.6%	17,542	17,646	104	0.6%
30.9%	17,495	17,469	-26	-0.1%
32.1%	17,288	17,380	92	0.5%
33.3%	17,081	17,362	281	1.6%
34.6%	16,742	17,317	575	3.4%
35.8%	16,577	17,046	469	2.8%
37.0%	16,436	16,650	215	1.3%
38.3%	16,418	16,567	150	0.9%
39.5%	16,119	16,405	286	1.8%
40.7%	15,898	16,368	471	3.0%
42.0%	15,897	16,277	380	2.4%
43.2%	15,838	16,128	290	1.8%
44.4%	15,615	16,078	463	3.0%
45.7%	15,255	15,949	694	4.5%
46.9%	15,210	15,800	590	3.9%
48.1%	14,666	15,143	477	3.3%
49.4%	14,569	15,029	460	3.2%
50.6%	14,500	14,818	317	2.2%
51.9%	13,883	14,500	617	4.4%
53.1%	13,798	14,369	571	4.1%
54.3%	13,617	14,025	408	3.0%
55.6%	13,364	14,011	647	4.8%
56.8%	13,139	13,798	659	5.0%
58.0%	13,119	13,776	657	5.0%
59.3%	12,627	13,294	667	5.3%
60.5%	12,144	13,238	1,093	9.0%
61.7%	12,095	13,032	937	7.7%
63.0%	12,014	12,878	863	7.2%
64.2%	11,993	12,870	877	7.3%
65.4%	11,669	12,532	863	7.4%
66.7%	11,661	12,299	638	5.5%
67.9%	11,595	12,085	490	4.2%
69.1%	11,325	12,026	701	6.2%
70.4%	10,896	11,772	876	8.0%
71.6%	10,736	11,000	264	2.5%
72.8%	10,096	11,000	904	9.0%
74.1%	10,072	10,317	245	2.4%
75.3%	9,951	10,145	194	2.0%
76.5%	9,866	10,056	190	1.9%
77.8%	9,497	10,014	517	5.4%
79.0%	9,065	9,865	800	8.8%
80.2%	8,720	9,720	999	11.5%
81.5%	8,500	9,513	1,014	11.9%
82.7%	8,475	9,165	690	8.1%
84.0%	7,968	9,029	1,061	13.3%
85.2%	7,952	8,880	928	11.7%
86.4%	7,899	8,417	518	6.6%
87.7%	7,846	8,368	522	6.6%
88.9%	7,806	8,032	226	2.9%
90.1%	7,721	7,952	231	3.0%
91.4%	6,979	7,899	920	13.2%
92.6%	6,683	7,634	951	14.2%
93.8%	6,564	7,197	633	9.6%
95.1%	6,562	7,065	503	7.7%
96.3%	6,560	6,987	427	6.5%
97.5%	6,551	6,708	157	2.4%
98.8%	6,547	6,564	17	0.3%
100.0%	6,348	6,560	212	3.3%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79,391	79,407	16	0.0%
1.2%	78,285	78,077	-208	-0.3%
2.5%	73,239	73,096	-143	-0.2%
3.7%	69,988	69,363	-624	-0.9%
4.9%	66,024	66,404	380	0.6%
6.2%	62,303	61,259	-1,044	-1.7%
7.4%	58,165	56,083	-2,082	-3.6%
8.6%	56,114	54,436	-1,678	-3.0%
9.9%	55,503	54,123	-1,380	-2.5%
11.1%	53,803	53,863	61	0.1%
12.3%	44,265	44,654	388	0.9%
13.6%	44,119	43,705	-415	-0.9%
14.8%	39,239	38,421	-817	-2.1%
16.0%	39,070	36,930	-2,141	-5.5%
17.3%	37,104	35,166	-1,938	-5.2%
18.5%	35,156	33,998	-1,159	-3.3%
19.8%	34,874	30,994	-3,880	-11.1%
21.0%	32,960	30,914	-2,046	-6.2%
22.2%	32,347	30,068	-2,279	-7.0%
23.5%	30,864	27,682	-3,181	-10.3%
24.7%	30,368	26,890	-3,478	-11.5%
25.9%	29,779	26,135	-3,644	-12.2%
27.2%	26,517	24,718	-1,798	-6.8%
28.4%	24,842	23,687	-1,155	-4.6%
29.6%	24,253	23,309	-945	-3.9%
30.9%	23,916	22,301	-1,614	-6.8%
32.1%	23,438	21,363	-2,075	-8.9%
33.3%	22,157	20,862	-1,295	-5.8%
34.6%	21,187	19,673	-1,514	-7.1%
35.8%	20,687	19,549	-1,138	-5.5%
37.0%	20,648	19,535	-1,113	-5.4%
38.3%	19,685	19,410	-274	-1.4%
39.5%	19,632	18,928	-704	-3.6%
40.7%	19,484	18,819	-665	-3.4%
42.0%	19,464	18,514	-950	-4.9%
43.2%	19,382	18,254	-1,128	-5.8%
44.4%	19,348	16,861	-2,487	-12.9%
45.7%	18,802	16,556	-2,247	-11.9%
46.9%	18,797	15,932	-2,865	-15.2%
48.1%	17,448	15,693	-1,755	-10.1%
49.4%	17,108	15,362	-1,746	-10.2%
50.6%	17,021	15,187	-1,834	-10.8%
51.9%	16,637	15,164	-1,473	-8.9%
53.1%	15,687	15,110	-577	-3.7%
54.3%	15,639	15,074	-564	-3.6%
55.6%	15,350	14,850	-499	-3.3%
56.8%	15,192	14,781	-411	-2.7%
58.0%	15,164	14,718	-447	-2.9%
59.3%	14,981	14,521	-460	-3.1%
60.5%	14,969	14,465	-504	-3.4%
61.7%	14,815	14,399	-416	-2.8%
63.0%	14,647	14,377	-270	-1.8%
64.2%	14,634	14,306	-328	-2.2%
65.4%	14,585	14,264	-321	-2.2%
66.7%	14,537	13,782	-755	-5.2%
67.9%	14,457	13,688	-769	-5.3%
69.1%	14,442	13,421	-1,021	-7.1%
70.4%	14,410	13,000	-1,410	-9.8%
71.6%	14,378	13,000	-1,378	-9.6%
72.8%	14,168	13,000	-1,168	-8.2%
74.1%	13,542	13,000	-542	-4.0%
75.3%	13,238	13,000	-238	-1.8%
76.5%	12,268	13,000	732	6.0%
77.8%	12,007	12,412	405	3.4%
79.0%	11,205	12,065	860	7.7%
80.2%	10,849	12,048	1,199	11.1%
81.5%	10,475	11,383	908	8.7%
82.7%	10,364	10,841	477	4.6%
84.0%	10,335	10,564	230	2.2%
85.2%	10,107	10,560	452	4.5%
86.4%	9,877	10,370	493	5.0%
87.7%	9,826	10,302	476	4.8%
88.9%	9,564	10,173	609	6.4%
90.1%	9,560	10,060	499	5.2%
91.4%	9,542	9,913	371	3.9%
92.6%	9,348	9,434	86	0.9%
93.8%	9,039	9,423	383	4.2%
95.1%	8,694	9,399	705	8.1%
96.3%	8,050	9,193	1,143	14.2%
97.5%	7,615	7,968	353	4.6%
98.8%	7,502	7,773	271	3.6%
100.0%	7,090	7,141	51	0.7%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,139	81,011	-128	-0.2%
1.2%	78,542	78,186	-356	-0.5%
2.5%	77,628	77,665	37	0.0%
3.7%	77,566	77,568	2	0.0%
4.9%	75,325	75,330	6	0.0%
6.2%	72,865	72,597	-269	-0.4%
7.4%	71,234	71,230	-5	0.0%
8.6%	70,762	70,262	-501	-0.7%
9.9%	69,334	69,219	-115	-0.2%
11.1%	69,129	68,941	-187	-0.3%
12.3%	67,499	65,653	-1,846	-2.7%
13.6%	64,866	65,079	214	0.3%
14.8%	64,736	63,670	-1,066	-1.6%
16.0%	63,487	63,454	-33	-0.1%
17.3%	63,395	62,459	-936	-1.5%
18.5%	61,486	59,003	-2,483	-4.0%
19.8%	60,676	58,725	-1,950	-3.2%
21.0%	56,868	55,639	-1,229	-2.2%
22.2%	56,400	55,131	-1,268	-2.2%
23.5%	55,090	54,651	-438	-0.8%
24.7%	54,609	54,344	-266	-0.5%
25.9%	51,278	49,012	-2,266	-4.4%
27.2%	48,754	48,677	-77	-0.2%
28.4%	47,014	47,298	285	0.6%
29.6%	44,713	44,422	-291	-0.7%
30.9%	41,793	37,943	-3,850	-9.2%
32.1%	39,479	37,850	-1,628	-4.1%
33.3%	38,169	37,788	-381	-1.0%
34.6%	38,118	34,504	-3,614	-9.5%
35.8%	37,301	33,842	-3,459	-9.3%
37.0%	35,070	33,760	-1,310	-3.7%
38.3%	34,612	31,631	-2,980	-8.6%
39.5%	34,120	31,471	-2,649	-7.8%
40.7%	34,097	29,881	-4,216	-12.4%
42.0%	30,609	29,630	-979	-3.2%
43.2%	30,594	27,543	-3,051	-10.0%
44.4%	30,013	26,553	-3,461	-11.5%
45.7%	27,975	24,533	-3,441	-12.3%
46.9%	27,382	23,799	-3,583	-13.1%
48.1%	26,099	23,344	-2,755	-10.6%
49.4%	26,076	22,694	-3,381	-13.0%
50.6%	25,593	22,693	-2,900	-11.3%
51.9%	23,574	22,283	-1,291	-5.5%
53.1%	23,365	19,432	-3,933	-16.8%
54.3%	23,040	19,305	-3,735	-16.2%
55.6%	22,327	19,205	-3,123	-14.0%
56.8%	21,885	18,688	-3,197	-14.6%
58.0%	21,335	17,818	-3,516	-16.5%
59.3%	20,655	17,642	-3,013	-14.6%
60.5%	19,841	17,006	-2,834	-14.3%
61.7%	18,721	16,613	-2,109	-11.3%
63.0%	18,617	16,208	-2,409	-12.9%
64.2%	18,587	16,091	-2,495	-13.4%
65.4%	17,935	15,872	-2,063	-11.5%
66.7%	17,783	15,830	-1,953	-11.0%
67.9%	17,773	15,591	-2,183	-12.3%
69.1%	16,698	15,303	-1,395	-8.4%
70.4%	15,717	15,000	-717	-4.6%
71.6%	15,618	15,000	-618	-4.0%
72.8%	15,498	15,000	-498	-3.2%
74.1%	15,298	15,000	-298	-1.9%
75.3%	15,143	15,000	-143	-0.9%
76.5%	14,794	14,711	-82	-0.6%
77.8%	14,660	14,583	-77	-0.5%
79.0%	14,284	14,429	145	1.0%
80.2%	13,982	14,043	61	0.4%
81.5%	13,820	13,839	19	0.1%
82.7%	13,528	13,583	55	0.4%
84.0%	13,317	13,559	242	1.8%
85.2%	13,249	13,364	115	0.9%
86.4%	13,222	13,351	129	1.0%
87.7%	13,176	13,189	13	0.1%
88.9%	13,131	13,074	-57	-0.4%
90.1%	12,511	12,724	213	1.7%
91.4%	11,635	11,580	-55	-0.5%
92.6%	11,527	11,493	-33	-0.3%
93.8%	11,160	11,332	172	1.5%
95.1%	11,069	11,320	251	2.3%
96.3%	11,019	11,121	101	0.9%
97.5%	10,950	11,028	78	0.7%
98.8%	9,700	9,717	17	0.2%
100.0%	6,837	6,749	-88	-1.3%

Table SW-30-b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	80,937	80,949	12	0.0%
1.2%	80,327	80,535	208	0.3%
2.5%	79,774	79,672	-103	-0.1%
3.7%	79,165	79,245	80	0.1%
4.9%	78,078	78,010	-68	-0.1%
6.2%	77,383	77,386	3	0.0%
7.4%	75,932	75,928	-4	0.0%
8.6%	75,800	75,458	-342	-0.5%
9.9%	75,474	75,262	-212	-0.3%
11.1%	72,732	72,729	-3	0.0%
12.3%	71,013	70,755	-258	-0.4%
13.6%	70,908	70,634	-274	-0.4%
14.8%	70,730	70,113	-617	-0.9%
16.0%	69,908	69,909	1	0.0%
17.3%	68,341	68,372	31	0.0%
18.5%	67,019	66,586	-433	-0.6%
19.8%	66,723	66,478	-244	-0.4%
21.0%	66,367	65,261	-1,106	-1.7%
22.2%	64,720	65,095	375	0.6%
23.5%	64,381	64,131	-250	-0.4%
24.7%	63,277	61,755	-1,522	-2.4%
25.9%	62,756	61,725	-1,031	-1.6%
27.2%	62,412	61,589	-823	-1.3%
28.4%	57,783	57,616	-167	-0.3%
29.6%	57,238	56,049	-1,190	-2.1%
30.9%	55,132	53,875	-1,257	-2.3%
32.1%	53,869	53,668	-202	-0.4%
33.3%	53,292	50,795	-2,497	-4.7%
34.6%	51,639	50,460	-1,180	-2.3%
35.8%	51,152	50,422	-730	-1.4%
37.0%	50,960	48,897	-2,063	-4.0%
38.3%	50,024	48,528	-1,495	-3.0%
39.5%	49,838	48,182	-1,657	-3.3%
40.7%	49,200	48,067	-1,133	-2.3%
42.0%	45,262	45,849	587	1.3%
43.2%	44,404	44,398	-6	0.0%
44.4%	42,987	43,000	14	0.0%
45.7%	41,545	39,259	-2,286	-5.5%
46.9%	40,769	39,010	-1,760	-4.3%
48.1%	38,954	38,769	-185	-0.5%
49.4%	35,456	34,339	-1,117	-3.2%
50.6%	35,423	32,922	-2,501	-7.1%
51.9%	34,658	31,636	-3,022	-8.7%
53.1%	34,087	31,352	-2,735	-8.0%
54.3%	32,372	30,134	-2,238	-6.9%
55.6%	31,409	29,492	-1,917	-6.1%
56.8%	31,304	28,325	-2,979	-9.5%
58.0%	29,962	26,514	-3,448	-11.5%
59.3%	28,250	25,961	-2,289	-8.1%
60.5%	27,525	25,617	-1,908	-6.9%
61.7%	27,002	25,015	-1,986	-7.4%
63.0%	26,929	24,126	-2,803	-10.4%
64.2%	26,138	23,881	-2,256	-8.6%
65.4%	26,045	23,765	-2,280	-8.8%
66.7%	25,554	22,778	-2,775	-10.9%
67.9%	25,049	22,469	-2,581	-10.3%
69.1%	24,221	21,942	-2,279	-9.4%
70.4%	23,906	21,931	-1,976	-8.3%
71.6%	23,704	21,551	-2,153	-9.1%
72.8%	21,966	20,674	-1,291	-5.9%
74.1%	21,530	20,169	-1,361	-6.3%
75.3%	21,112	18,321	-2,791	-13.2%
76.5%	20,709	18,010	-2,698	-13.0%
77.8%	20,210	17,813	-2,396	-11.9%
79.0%	19,197	17,489	-1,708	-8.9%
80.2%	18,308	17,126	-1,183	-6.5%
81.5%	17,848	16,967	-881	-4.9%
82.7%	17,657	16,258	-1,399	-7.9%
84.0%	17,524	16,133	-1,391	-7.9%
85.2%	17,266	15,960	-1,306	-7.6%
86.4%	16,598	15,750	-848	-5.1%
87.7%	16,494	15,648	-846	-5.1%
88.9%	16,337	15,236	-1,101	-6.7%
90.1%	16,256	15,039	-1,217	-7.5%
91.4%	16,001	14,321	-1,680	-10.5%
92.6%	15,234	14,185	-1,048	-6.9%
93.8%	14,608	13,213	-1,395	-9.6%
95.1%	14,378	13,144	-1,234	-8.6%
96.3%	12,073	13,142	1,070	8.9%
97.5%	11,245	11,525	280	2.5%
98.8%	10,864	10,300	-564	-5.2%
100.0%	8,957	9,758	801	8.9%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79,482	79,482	0	0.0%
1.2%	79,149	79,150	1	0.0%
2.5%	77,048	77,072	23	0.0%
3.7%	76,191	75,596	-595	-0.8%
4.9%	73,804	73,806	2	0.0%
6.2%	71,726	71,122	-604	-0.8%
7.4%	70,399	69,837	-562	-0.8%
8.6%	65,157	65,170	13	0.0%
9.9%	63,664	62,450	-1,214	-1.9%
11.1%	62,459	61,846	-614	-1.0%
12.3%	61,637	61,640	4	0.0%
13.6%	61,387	61,139	-248	-0.4%
14.8%	60,933	60,933	-1	0.0%
16.0%	59,687	59,444	-243	-0.4%
17.3%	58,035	58,240	205	0.4%
18.5%	57,812	57,816	4	0.0%
19.8%	56,939	55,704	-1,235	-2.2%
21.0%	55,256	54,202	-1,054	-1.9%
22.2%	54,496	54,168	-328	-0.6%
23.5%	54,299	53,908	-391	-0.7%
24.7%	50,473	50,665	192	0.4%
25.9%	50,252	48,884	-1,368	-2.7%
27.2%	50,201	48,268	-1,933	-3.9%
28.4%	49,685	46,219	-3,466	-7.0%
29.6%	47,829	45,696	-2,134	-4.5%
30.9%	46,924	45,352	-1,572	-3.3%
32.1%	44,703	42,022	-2,681	-6.0%
33.3%	42,620	40,922	-1,698	-4.0%
34.6%	41,783	39,422	-2,361	-5.7%
35.8%	39,475	38,783	-692	-1.8%
37.0%	39,468	38,143	-1,325	-3.4%
38.3%	38,498	37,860	-638	-1.7%
39.5%	38,421	36,654	-1,767	-4.6%
40.7%	37,944	36,311	-1,633	-4.3%
42.0%	36,698	35,036	-1,662	-4.5%
43.2%	36,360	31,964	-4,397	-12.1%
44.4%	36,311	31,372	-4,940	-13.6%
45.7%	33,631	31,098	-2,533	-7.5%
46.9%	30,519	28,888	-1,631	-5.3%
48.1%	30,036	26,335	-3,700	-12.3%
49.4%	29,356	25,967	-3,389	-11.5%
50.6%	28,592	25,845	-2,747	-9.6%
51.9%	27,110	23,925	-3,185	-11.7%
53.1%	25,775	22,902	-2,873	-11.1%
54.3%	25,616	22,683	-2,932	-11.4%
55.6%	23,880	22,621	-1,259	-5.3%
56.8%	23,809	22,374	-1,434	-6.0%
58.0%	23,787	20,903	-2,884	-12.1%
59.3%	23,227	20,645	-2,582	-11.1%
60.5%	22,631	20,528	-2,102	-9.3%
61.7%	22,355	20,269	-2,086	-9.3%
63.0%	22,353	19,664	-2,689	-12.0%
64.2%	21,701	19,641	-2,060	-9.5%
65.4%	21,181	19,633	-1,549	-7.3%
66.7%	21,111	19,585	-1,525	-7.2%
67.9%	20,912	19,552	-1,360	-6.5%
69.1%	20,679	17,933	-2,746	-13.3%
70.4%	20,430	17,519	-2,912	-14.3%
71.6%	19,660	17,391	-2,270	-11.5%
72.8%	18,627	17,300	-1,327	-7.1%
74.1%	18,614	16,591	-2,024	-10.9%
75.3%	17,563	16,538	-1,026	-5.8%
76.5%	17,550	16,515	-1,035	-5.9%
77.8%	16,955	16,105	-850	-5.0%
79.0%	16,550	15,504	-1,047	-6.3%
80.2%	16,436	15,036	-1,400	-8.5%
81.5%	15,573	13,807	-1,766	-11.3%
82.7%	15,032	13,299	-1,733	-11.5%
84.0%	14,598	13,000	-1,598	-10.9%
85.2%	14,256	13,000	-1,256	-8.8%
86.4%	12,437	13,000	563	4.5%
87.7%	12,329	13,000	671	5.4%
88.9%	12,260	12,577	317	2.6%
90.1%	12,102	12,357	255	2.1%
91.4%	11,967	12,191	224	1.9%
92.6%	11,882	11,941	59	0.5%
93.8%	11,752	11,782	29	0.2%
95.1%	11,399	11,482	83	0.7%
96.3%	10,701	10,532	-168	-1.6%
97.5%	9,907	10,446	539	5.4%
98.8%	8,744	8,756	12	0.1%
100.0%	8,389	8,435	46	0.6%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,345	76,347	2	0.0%
1.2%	76,209	76,205	-5	0.0%
2.5%	70,020	69,468	-552	-0.8%
3.7%	57,130	57,133	3	0.0%
4.9%	53,663	54,341	678	1.3%
6.2%	50,175	50,170	-4	0.0%
7.4%	49,730	49,615	-116	-0.2%
8.6%	49,600	48,975	-625	-1.3%
9.9%	48,925	48,307	-617	-1.3%
11.1%	48,523	47,756	-767	-1.6%
12.3%	47,762	45,615	-2,148	-4.5%
13.6%	39,923	37,527	-2,396	-6.0%
14.8%	39,274	37,197	-2,076	-5.3%
16.0%	37,553	36,973	-581	-1.5%
17.3%	37,054	36,164	-890	-2.4%
18.5%	35,594	35,188	-406	-1.1%
19.8%	35,192	33,470	-1,723	-4.9%
21.0%	31,925	30,121	-1,805	-5.7%
22.2%	29,691	29,262	-430	-1.4%
23.5%	29,309	29,233	-76	-0.3%
24.7%	28,055	26,058	-1,997	-7.1%
25.9%	25,547	25,598	51	0.2%
27.2%	25,054	24,942	-112	-0.4%
28.4%	24,223	24,101	-121	-0.5%
29.6%	24,038	23,847	-191	-0.8%
30.9%	23,807	23,687	-120	-0.5%
32.1%	23,196	22,796	-399	-1.7%
33.3%	21,786	21,785	-1	0.0%
34.6%	20,442	20,395	-46	-0.2%
35.8%	20,138	19,232	-906	-4.5%
37.0%	19,076	18,500	-576	-3.0%
38.3%	18,266	17,620	-646	-3.5%
39.5%	16,669	16,911	242	1.5%
40.7%	16,509	16,481	-28	-0.2%
42.0%	16,264	16,095	-169	-1.0%
43.2%	14,654	14,915	261	1.8%
44.4%	14,584	14,707	123	0.8%
45.7%	14,567	14,539	-28	-0.2%
46.9%	14,249	14,533	284	2.0%
48.1%	14,073	14,304	232	1.6%
49.4%	14,038	13,927	-111	-0.8%
50.6%	13,532	13,662	131	1.0%
51.9%	13,325	13,350	25	0.2%
53.1%	13,258	13,277	20	0.1%
54.3%	13,116	13,202	86	0.7%
55.6%	13,082	13,135	52	0.4%
56.8%	12,632	13,048	417	3.3%
58.0%	12,596	13,045	449	3.6%
59.3%	12,508	12,513	5	0.0%
60.5%	12,296	12,463	167	1.4%
61.7%	12,288	12,408	120	1.0%
63.0%	12,241	12,296	55	0.5%
64.2%	12,096	12,220	124	1.0%
65.4%	12,075	12,136	61	0.5%
66.7%	11,604	12,031	427	3.7%
67.9%	11,564	11,951	387	3.3%
69.1%	11,510	11,890	380	3.3%
70.4%	11,414	11,673	259	2.3%
71.6%	11,406	11,657	251	2.2%
72.8%	11,399	11,492	93	0.8%
74.1%	11,344	11,424	79	0.7%
75.3%	11,300	11,385	85	0.8%
76.5%	11,266	11,343	77	0.7%
77.8%	11,121	11,319	199	1.8%
79.0%	10,927	11,294	367	3.4%
80.2%	10,924	11,242	318	2.9%
81.5%	10,744	10,923	178	1.7%
82.7%	10,638	10,330	-308	-2.9%
84.0%	10,256	10,252	-5	0.0%
85.2%	10,068	10,216	148	1.5%
86.4%	9,964	9,875	-89	-0.9%
87.7%	9,696	9,770	75	0.8%
88.9%	9,604	9,639	35	0.4%
90.1%	9,407	9,496	88	0.9%
91.4%	9,333	9,278	-55	-0.6%
92.6%	9,127	9,133	5	0.1%
93.8%	8,972	9,120	148	1.6%
95.1%	8,934	8,974	40	0.4%
96.3%	8,872	8,853	-19	-0.2%
97.5%	8,403	8,420	17	0.2%
98.8%	7,569	7,575	6	0.1%
100.0%	7,231	7,220	-12	-0.2%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	50,620	49,497	-1,123	-2.2%
1.2%	37,804	37,699	-105	-0.3%
2.5%	36,526	36,704	178	0.5%
3.7%	32,282	32,285	4	0.0%
4.9%	32,205	31,981	-224	-0.7%
6.2%	28,343	28,178	-165	-0.6%
7.4%	26,994	24,757	-2,236	-8.3%
8.6%	24,922	24,658	-263	-1.1%
9.9%	21,276	19,856	-1,420	-6.7%
11.1%	20,051	19,761	-290	-1.4%
12.3%	19,975	18,979	-995	-5.0%
13.6%	19,196	18,373	-823	-4.3%
14.8%	18,393	18,240	-154	-0.8%
16.0%	17,635	17,861	225	1.3%
17.3%	17,321	17,198	-123	-0.7%
18.5%	15,868	14,064	-1,804	-11.4%
19.8%	13,767	13,645	-122	-0.9%
21.0%	13,567	13,485	-81	-0.6%
22.2%	13,354	13,264	-90	-0.7%
23.5%	13,323	13,000	-323	-2.4%
24.7%	13,166	13,000	-166	-1.3%
25.9%	12,838	12,801	-37	-0.3%
27.2%	12,746	12,790	44	0.3%
28.4%	12,566	12,677	111	0.9%
29.6%	12,516	12,533	17	0.1%
30.9%	12,473	11,947	-526	-4.2%
32.1%	12,222	11,943	-279	-2.3%
33.3%	12,052	11,666	-387	-3.2%
34.6%	11,760	11,655	-104	-0.9%
35.8%	11,751	11,242	-509	-4.3%
37.0%	11,320	11,116	-204	-1.8%
38.3%	11,095	10,970	-125	-1.1%
39.5%	11,083	10,967	-116	-1.0%
40.7%	11,073	10,963	-111	-1.0%
42.0%	11,071	10,910	-161	-1.5%
43.2%	11,036	10,904	-132	-1.2%
44.4%	10,945	10,847	-98	-0.9%
45.7%	10,910	10,809	-101	-0.9%
46.9%	10,873	10,777	-96	-0.9%
48.1%	10,845	10,721	-124	-1.1%
49.4%	10,618	10,565	-53	-0.5%
50.6%	10,594	10,505	-89	-0.8%
51.9%	10,580	10,491	-90	-0.8%
53.1%	10,552	10,447	-104	-1.0%
54.3%	10,532	10,440	-91	-0.9%
55.6%	10,337	10,427	90	0.9%
56.8%	10,313	10,311	-1	0.0%
58.0%	10,185	10,305	120	1.2%
59.3%	10,175	10,206	31	0.3%
60.5%	10,126	10,188	62	0.6%
61.7%	10,007	10,185	177	1.8%
63.0%	9,934	10,151	217	2.2%
64.2%	9,902	10,035	133	1.3%
65.4%	9,895	10,032	137	1.4%
66.7%	9,885	9,975	90	0.9%
67.9%	9,833	9,911	78	0.8%
69.1%	9,792	9,863	70	0.7%
70.4%	9,753	9,837	84	0.9%
71.6%	9,740	9,784	44	0.5%
72.8%	9,458	9,694	237	2.5%
74.1%	9,407	9,557	151	1.6%
75.3%	9,393	9,398	5	0.1%
76.5%	9,363	9,389	26	0.3%
77.8%	9,359	9,308	-52	-0.6%
79.0%	9,352	9,288	-65	-0.7%
80.2%	9,308	9,240	-67	-0.7%
81.5%	9,283	9,178	-106	-1.1%
82.7%	9,188	9,105	-83	-0.9%
84.0%	9,045	9,029	-16	-0.2%
85.2%	8,914	8,984	70	0.8%
86.4%	8,855	8,942	87	1.0%
87.7%	8,835	8,839	4	0.0%
88.9%	8,736	8,810	74	0.8%
90.1%	8,342	8,743	401	4.8%
91.4%	8,161	8,736	575	7.0%
92.6%	8,045	8,282	236	2.9%
93.8%	7,957	7,834	-123	-1.5%
95.1%	7,623	7,779	156	2.0%
96.3%	6,931	7,447	516	7.4%
97.5%	6,662	6,388	-275	-4.1%
98.8%	6,035	6,240	206	3.4%
100.0%	5,362	5,494	132	2.5%

Table SW-30-b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,658	32,459	801	2.5%
1.2%	18,495	21,100	2,606	14.1%
2.5%	17,763	16,901	-863	-4.9%
3.7%	16,407	16,252	-155	-0.9%
4.9%	16,252	16,048	-204	-1.3%
6.2%	15,409	15,496	87	0.6%
7.4%	15,137	15,337	200	1.3%
8.6%	14,769	15,315	547	3.7%
9.9%	14,749	15,188	439	3.0%
11.1%	14,678	14,803	125	0.9%
12.3%	14,563	14,769	206	1.4%
13.6%	14,540	14,540	0	0.0%
14.8%	14,293	14,478	185	1.3%
16.0%	14,288	14,462	174	1.2%
17.3%	13,861	14,419	558	4.0%
18.5%	13,792	14,346	554	4.0%
19.8%	13,762	14,133	371	2.7%
21.0%	13,743	13,861	118	0.9%
22.2%	13,613	13,792	179	1.3%
23.5%	13,574	13,626	51	0.4%
24.7%	13,528	13,613	85	0.6%
25.9%	13,476	13,477	1	0.0%
27.2%	13,457	13,457	0	0.0%
28.4%	13,401	13,425	24	0.2%
29.6%	13,284	13,342	58	0.4%
30.9%	13,245	13,319	74	0.6%
32.1%	13,164	13,285	121	0.9%
33.3%	13,111	13,282	171	1.3%
34.6%	13,086	13,251	165	1.3%
35.8%	13,061	13,164	103	0.8%
37.0%	13,037	13,111	74	0.6%
38.3%	13,005	13,108	103	0.8%
39.5%	12,965	13,064	99	0.8%
40.7%	12,880	13,037	157	1.2%
42.0%	12,846	13,000	154	1.2%
43.2%	12,842	13,000	158	1.2%
44.4%	12,794	13,000	206	1.6%
45.7%	12,722	13,000	278	2.2%
46.9%	12,544	13,000	456	3.6%
48.1%	12,511	13,000	489	3.9%
49.4%	12,495	13,000	505	4.0%
50.6%	12,330	13,000	670	5.4%
51.9%	12,259	12,997	738	6.0%
53.1%	12,246	12,882	636	5.2%
54.3%	12,129	12,758	629	5.2%
55.6%	12,088	12,722	633	5.2%
56.8%	12,017	12,533	517	4.3%
58.0%	11,974	12,522	549	4.6%
59.3%	11,955	12,522	568	4.7%
60.5%	11,951	12,468	517	4.3%
61.7%	11,944	12,411	466	3.9%
63.0%	11,869	12,349	481	4.1%
64.2%	11,713	12,277	564	4.8%
65.4%	11,684	12,190	506	4.3%
66.7%	11,613	12,137	523	4.5%
67.9%	11,553	12,017	464	4.0%
69.1%	11,483	12,003	520	4.5%
70.4%	11,476	11,974	497	4.3%
71.6%	11,467	11,970	502	4.4%
72.8%	11,462	11,950	488	4.3%
74.1%	11,405	11,943	538	4.7%
75.3%	11,322	11,935	613	5.4%
76.5%	11,267	11,676	409	3.6%
77.8%	11,231	11,636	405	3.6%
79.0%	11,224	11,634	410	3.7%
80.2%	11,160	11,578	418	3.7%
81.5%	10,951	11,230	279	2.5%
82.7%	10,894	11,145	251	2.3%
84.0%	10,894	11,074	180	1.6%
85.2%	10,822	11,052	230	2.1%
86.4%	10,618	10,893	275	2.6%
87.7%	10,571	10,634	63	0.6%
88.9%	10,352	10,571	219	2.1%
90.1%	10,225	10,531	305	3.0%
91.4%	10,138	10,408	270	2.7%
92.6%	9,631	10,003	372	3.9%
93.8%	9,406	9,957	551	5.9%
95.1%	8,927	9,406	479	5.4%
96.3%	7,906	8,960	1,054	13.3%
97.5%	7,647	7,754	107	1.4%
98.8%	7,350	7,718	368	5.0%
100.0%	7,048	7,647	600	8.5%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,664	25,431	767	3.1%
1.2%	24,604	24,652	48	0.2%
2.5%	24,496	24,651	154	0.6%
3.7%	24,396	24,462	65	0.3%
4.9%	24,394	24,396	2	0.0%
6.2%	24,383	24,379	-4	0.0%
7.4%	24,321	24,366	45	0.2%
8.6%	24,312	24,306	-6	0.0%
9.9%	24,306	24,306	0	0.0%
11.1%	24,306	24,306	0	0.0%
12.3%	24,306	24,306	0	0.0%
13.6%	24,266	24,306	40	0.2%
14.8%	24,139	24,306	167	0.7%
16.0%	24,103	24,306	203	0.8%
17.3%	23,838	24,306	468	2.0%
18.5%	23,659	24,306	647	2.7%
19.8%	23,617	24,174	556	2.4%
21.0%	23,560	24,013	453	1.9%
22.2%	23,556	23,971	416	1.8%
23.5%	23,502	23,925	423	1.8%
24.7%	23,492	23,831	340	1.4%
25.9%	23,469	23,674	205	0.9%
27.2%	23,430	23,663	233	1.0%
28.4%	23,324	23,640	316	1.4%
29.6%	23,230	23,612	383	1.6%
30.9%	23,125	23,492	367	1.6%
32.1%	22,648	23,391	743	3.3%
33.3%	22,405	23,309	903	4.0%
34.6%	22,397	22,990	594	2.7%
35.8%	22,303	22,796	493	2.2%
37.0%	22,232	22,754	522	2.3%
38.3%	22,201	22,734	533	2.4%
39.5%	22,170	22,650	480	2.2%
40.7%	22,155	22,219	64	0.3%
42.0%	22,117	22,047	-70	-0.3%
43.2%	21,916	21,737	-179	-0.8%
44.4%	21,733	21,698	-35	-0.2%
45.7%	21,640	21,121	-520	-2.4%
46.9%	21,131	21,056	-76	-0.4%
48.1%	21,009	20,960	-49	-0.2%
49.4%	20,714	20,832	118	0.6%
50.6%	20,603	20,715	112	0.5%
51.9%	20,506	20,486	-20	-0.1%
53.1%	20,487	20,477	-10	0.0%
54.3%	20,445	20,457	12	0.1%
55.6%	20,353	20,445	92	0.5%
56.8%	20,097	20,083	-14	-0.1%
58.0%	20,059	19,994	-65	-0.3%
59.3%	20,037	19,956	-81	-0.4%
60.5%	19,984	19,946	-39	-0.2%
61.7%	19,925	19,944	18	0.1%
63.0%	19,751	19,686	-66	-0.3%
64.2%	19,745	19,597	-148	-0.7%
65.4%	19,368	19,572	204	1.1%
66.7%	19,137	19,492	355	1.9%
67.9%	18,945	19,372	427	2.3%
69.1%	18,907	18,897	-11	-0.1%
70.4%	18,899	18,838	-61	-0.3%
71.6%	18,815	18,296	-519	-2.8%
72.8%	18,432	18,053	-379	-2.1%
74.1%	17,690	17,902	212	1.2%
75.3%	15,745	17,114	1,369	8.7%
76.5%	15,155	17,028	1,873	12.4%
77.8%	15,155	16,989	1,835	12.1%
79.0%	15,109	16,622	1,514	10.0%
80.2%	14,589	16,425	1,836	12.6%
81.5%	13,643	16,260	2,617	19.2%
82.7%	13,615	15,188	1,572	11.5%
84.0%	13,505	15,154	1,648	12.2%
85.2%	13,360	14,571	1,211	9.1%
86.4%	13,002	14,217	1,215	9.3%
87.7%	12,947	13,866	920	7.1%
88.9%	12,856	13,464	609	4.7%
90.1%	12,618	13,276	657	5.2%
91.4%	11,896	12,980	1,083	9.1%
92.6%	11,157	12,801	1,644	14.7%
93.8%	11,122	11,958	836	7.5%
95.1%	10,862	11,151	290	2.7%
96.3%	9,672	10,643	971	10.0%
97.5%	9,502	9,703	201	2.1%
98.8%	9,364	9,622	257	2.7%
100.0%	8,470	8,786	316	3.7%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,996	17,978	-18	-0.1%
1.2%	17,209	17,295	86	0.5%
2.5%	17,135	17,108	-27	-0.2%
3.7%	17,085	17,086	1	0.0%
4.9%	17,013	17,007	-6	0.0%
6.2%	17,012	17,003	-9	-0.1%
7.4%	17,003	16,999	-4	0.0%
8.6%	16,928	16,978	50	0.3%
9.9%	16,834	16,950	116	0.7%
11.1%	16,775	16,929	154	0.9%
12.3%	16,753	16,918	165	1.0%
13.6%	16,620	16,775	154	0.9%
14.8%	16,596	16,755	159	1.0%
16.0%	16,590	16,737	147	0.9%
17.3%	16,590	16,596	6	0.0%
18.5%	16,570	16,572	2	0.0%
19.8%	16,560	16,560	0	0.0%
21.0%	16,479	16,534	55	0.3%
22.2%	16,405	16,458	54	0.3%
23.5%	16,263	16,405	142	0.9%
24.7%	16,116	16,343	227	1.4%
25.9%	16,114	16,282	168	1.0%
27.2%	16,081	16,280	200	1.2%
28.4%	16,044	16,222	178	1.1%
29.6%	16,005	16,219	214	1.3%
30.9%	15,979	16,044	65	0.4%
32.1%	15,944	15,946	2	0.0%
33.3%	15,854	15,838	-16	-0.1%
34.6%	15,689	15,822	133	0.8%
35.8%	15,681	15,781	101	0.6%
37.0%	15,670	15,756	86	0.5%
38.3%	15,630	15,681	51	0.3%
39.5%	15,596	15,673	77	0.5%
40.7%	15,581	15,615	34	0.2%
42.0%	15,434	15,606	173	1.1%
43.2%	15,355	15,602	247	1.6%
44.4%	15,338	15,597	259	1.7%
45.7%	15,161	15,580	419	2.8%
46.9%	15,146	15,455	309	2.0%
48.1%	15,094	15,444	350	2.3%
49.4%	15,084	15,428	344	2.3%
50.6%	15,075	15,260	185	1.2%
51.9%	14,945	15,234	289	1.9%
53.1%	14,830	15,233	403	2.7%
54.3%	14,810	15,160	350	2.4%
55.6%	14,772	15,145	373	2.5%
56.8%	14,769	15,085	315	2.1%
58.0%	14,559	15,028	469	3.2%
59.3%	14,487	14,998	511	3.5%
60.5%	14,468	14,943	475	3.3%
61.7%	14,419	14,830	411	2.9%
63.0%	14,400	14,694	294	2.0%
64.2%	14,246	14,652	406	2.8%
65.4%	14,115	14,583	467	3.3%
66.7%	13,571	14,468	897	6.6%
67.9%	13,453	14,419	965	7.2%
69.1%	13,310	14,402	1,092	8.2%
70.4%	13,248	14,370	1,122	8.5%
71.6%	12,627	14,246	1,619	12.8%
72.8%	12,421	14,139	1,718	13.8%
74.1%	12,209	14,104	1,895	15.5%
75.3%	10,641	13,589	2,948	27.7%
76.5%	10,044	12,669	2,625	26.1%
77.8%	9,645	12,376	2,731	28.3%
79.0%	9,253	11,568	2,315	25.0%
80.2%	9,241	11,566	2,325	25.2%
81.5%	9,229	11,512	2,283	24.7%
82.7%	9,213	11,377	2,164	23.5%
84.0%	9,009	11,189	2,181	24.2%
85.2%	8,872	10,280	1,408	15.9%
86.4%	8,782	10,231	1,449	16.5%
87.7%	8,687	10,135	1,447	16.7%
88.9%	8,491	9,332	841	9.9%
90.1%	8,278	9,102	824	10.0%
91.4%	8,090	8,853	763	9.4%
92.6%	8,033	8,834	801	10.0%
93.8%	8,030	8,617	587	7.3%
95.1%	7,922	8,602	680	8.6%
96.3%	7,623	8,585	962	12.6%
97.5%	7,424	8,387	963	13.0%
98.8%	7,194	8,352	1,157	16.1%
100.0%	6,982	8,025	1,043	14.9%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,164	30,153	-11	0.0%
1.2%	30,037	30,122	85	0.3%
2.5%	29,418	29,491	73	0.2%
3.7%	29,363	29,438	75	0.3%
4.9%	28,771	29,261	489	1.7%
6.2%	28,764	29,253	490	1.7%
7.4%	28,300	28,838	538	1.9%
8.6%	28,209	28,564	355	1.3%
9.9%	27,827	28,481	654	2.3%
11.1%	27,689	28,472	784	2.8%
12.3%	27,625	28,371	745	2.7%
13.6%	27,367	28,235	867	3.2%
14.8%	27,125	27,199	75	0.3%
16.0%	26,289	26,079	-210	-0.8%
17.3%	25,544	25,875	331	1.3%
18.5%	24,807	24,954	147	0.6%
19.8%	24,659	24,807	148	0.6%
21.0%	23,787	24,800	1,014	4.3%
22.2%	23,614	24,126	512	2.2%
23.5%	23,596	23,166	-430	-1.8%
24.7%	23,057	23,031	-26	-0.1%
25.9%	22,657	22,656	-1	0.0%
27.2%	22,483	22,541	58	0.3%
28.4%	22,367	22,423	57	0.3%
29.6%	22,329	22,367	38	0.2%
30.9%	22,280	22,339	59	0.3%
32.1%	22,218	21,957	-261	-1.2%
33.3%	21,539	21,442	-97	-0.5%
34.6%	21,469	21,391	-79	-0.4%
35.8%	20,922	21,268	346	1.7%
37.0%	19,631	19,699	68	0.3%
38.3%	19,204	19,581	377	2.0%
39.5%	18,548	19,340	792	4.3%
40.7%	16,793	16,920	128	0.8%
42.0%	16,436	16,830	395	2.4%
43.2%	14,626	15,697	1,071	7.3%
44.4%	14,580	15,467	886	6.1%
45.7%	14,353	15,367	1,014	7.1%
46.9%	14,332	15,345	1,013	7.1%
48.1%	14,201	15,057	857	6.0%
49.4%	14,024	15,027	1,004	7.2%
50.6%	13,928	14,989	1,062	7.6%
51.9%	13,576	14,792	1,216	9.0%
53.1%	13,519	14,754	1,236	9.1%
54.3%	13,212	14,549	1,337	10.1%
55.6%	13,175	14,542	1,366	10.4%
56.8%	13,017	14,396	1,379	10.6%
58.0%	12,978	14,256	1,278	9.8%
59.3%	12,809	14,225	1,416	11.1%
60.5%	12,806	14,145	1,339	10.5%
61.7%	12,726	14,123	1,397	11.0%
63.0%	12,403	13,980	1,578	12.7%
64.2%	12,025	13,906	1,880	15.6%
65.4%	11,629	13,550	1,920	16.5%
66.7%	11,516	13,495	1,979	17.2%
67.9%	10,685	13,396	2,711	25.4%
69.1%	10,548	13,046	2,498	23.7%
70.4%	10,191	12,994	2,803	27.5%
71.6%	10,140	12,677	2,537	25.0%
72.8%	10,013	12,676	2,664	26.6%
74.1%	9,899	12,589	2,690	27.2%
75.3%	9,842	12,304	2,462	25.0%
76.5%	9,606	12,267	2,661	27.7%
77.8%	9,537	12,166	2,629	27.6%
79.0%	9,467	11,975	2,508	26.5%
80.2%	9,383	11,626	2,243	23.9%
81.5%	9,009	11,330	2,321	25.8%
82.7%	8,766	11,288	2,522	28.8%
84.0%	8,530	11,282	2,752	32.3%
85.2%	8,505	11,182	2,677	31.5%
86.4%	8,396	10,809	2,413	28.7%
87.7%	8,317	10,310	1,993	24.0%
88.9%	8,074	10,240	2,165	26.8%
90.1%	8,024	10,153	2,130	26.5%
91.4%	7,963	9,270	1,307	16.4%
92.6%	7,621	8,945	1,324	17.4%
93.8%	6,974	8,707	1,732	24.8%
95.1%	6,805	8,483	1,678	24.7%
96.3%	6,674	7,984	1,310	19.6%
97.5%	6,617	7,944	1,327	20.1%
98.8%	6,352	7,602	1,250	19.7%
100.0%	6,334	7,023	690	10.9%

Figure SW-31-b
Yolo Bypass, Monthly Flow
Probability of Exceedance

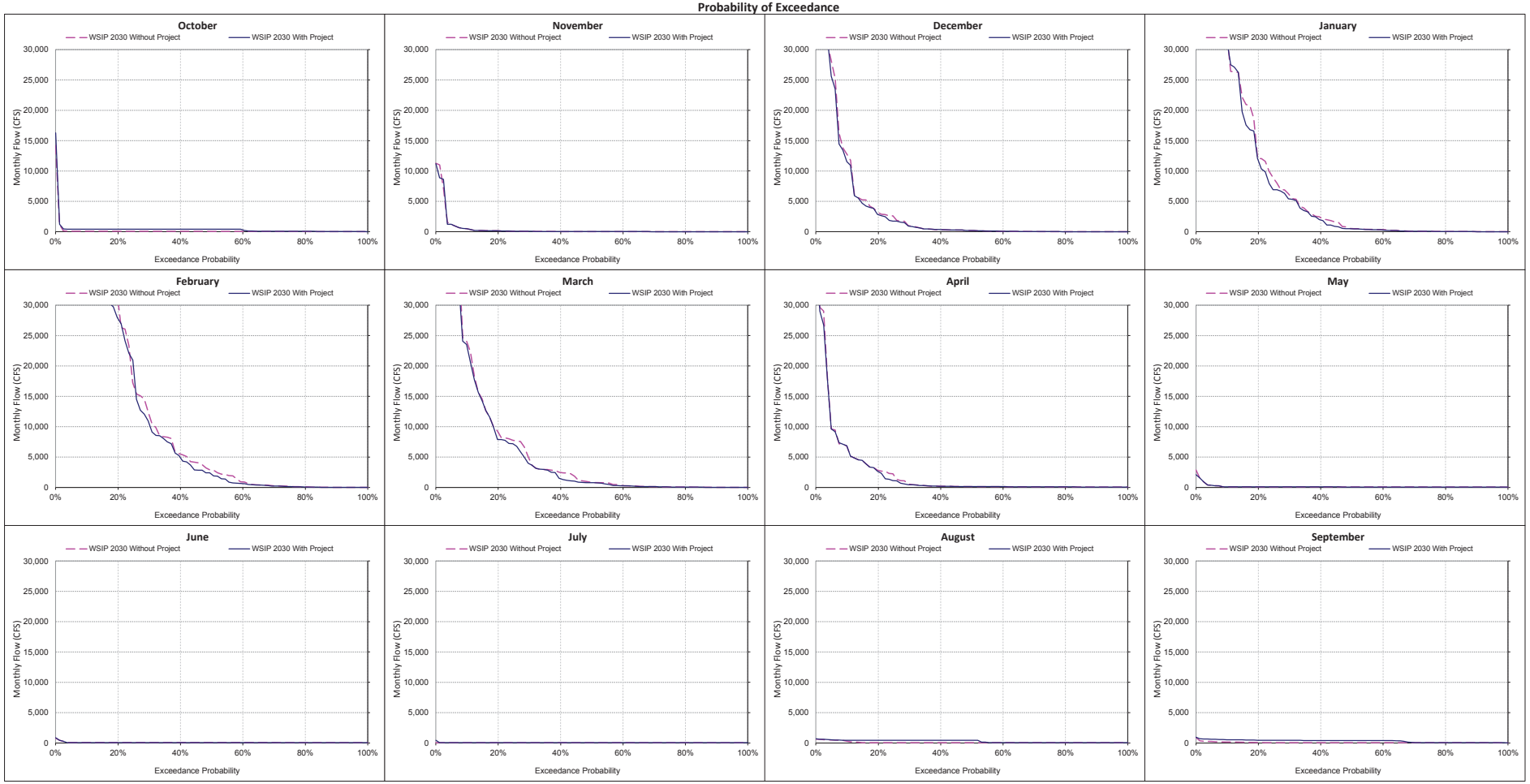


Table SW-31-b

Yolo Bypass, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,206	16,283	2,076	14.6%
1.2%	1,201	1,201	0	0.0%
2.5%	138	449	311	225.0%
3.7%	93	391	297	318.7%
4.9%	76	390	314	413.1%
6.2%	64	390	326	508.2%
7.4%	63	390	327	515.8%
8.6%	63	390	327	516.6%
9.9%	63	390	327	516.6%
11.1%	63	390	327	516.6%
12.3%	63	390	327	516.6%
13.6%	63	390	327	520.9%
14.8%	63	390	327	520.9%
16.0%	63	390	328	523.1%
17.3%	62	390	329	532.0%
18.5%	62	390	329	534.3%
19.8%	61	390	329	536.5%
21.0%	61	390	329	538.8%
22.2%	61	390	329	538.8%
23.5%	61	390	330	543.5%
24.7%	60	390	330	545.9%
25.9%	60	390	330	550.6%
27.2%	59	390	331	557.9%
28.4%	58	390	333	575.5%
29.6%	58	390	333	577.9%
30.9%	56	390	334	593.9%
32.1%	54	390	336	617.1%
33.3%	54	390	336	619.4%
34.6%	54	390	336	622.3%
35.8%	54	390	337	625.2%
37.0%	53	390	337	631.2%
38.3%	53	390	337	634.3%
39.5%	53	390	337	637.2%
40.7%	53	390	338	643.3%
42.0%	52	390	338	648.5%
43.2%	52	390	338	653.1%
44.4%	50	390	340	676.0%
45.7%	49	390	342	702.6%
46.9%	46	390	344	751.1%
48.1%	45	390	345	759.1%
49.4%	45	390	346	771.7%
50.6%	45	390	346	776.2%
51.9%	44	390	346	789.1%
53.1%	43	390	347	798.5%
54.3%	43	390	347	803.1%
55.6%	42	390	348	821.7%
56.8%	42	390	348	824.4%
58.0%	40	390	350	878.4%
59.3%	39	390	351	888.4%
60.5%	38	180	142	371.5%
61.7%	38	100	62	162.7%
63.0%	37	94	56	151.4%
64.2%	37	80	44	119.5%
65.4%	36	75	39	108.1%
66.7%	30	63	34	112.5%
67.9%	29	63	34	117.4%
69.1%	29	63	34	118.5%
70.4%	26	62	36	135.4%
71.6%	24	61	38	157.5%
72.8%	22	61	39	171.6%
74.1%	20	61	41	204.7%
75.3%	18	60	42	229.9%
76.5%	17	54	37	217.2%
77.8%	16	53	37	239.3%
79.0%	15	53	38	263.6%
80.2%	14	50	37	267.8%
81.5%	12	46	34	272.8%
82.7%	12	45	33	275.9%
84.0%	11	43	33	
85.2%	9	40	31	
86.4%	8	37	28	
87.7%	6	36	30	
88.9%	5	30	25	
90.1%	4	29	24	
91.4%	3	26	23	
92.6%	3	18	15	
93.8%	3	11	8	
95.1%	2	8	7	
96.3%	1	6	5	
97.5%	0	4	4	
98.8%	0	3	3	
100.0%	0	0	0	

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,269	11,191	-78	-0.7%
1.2%	10,999	8,899	-2,100	-19.1%
2.5%	7,078	8,626	1,548	21.9%
3.7%	1,564	1,219	-344	-22.0%
4.9%	1,168	1,209	41	3.5%
6.2%	933	933	0	0.0%
7.4%	655	655	0	0.0%
8.6%	551	551	0	0.0%
9.9%	489	489	0	0.0%
11.1%	353	353	0	0.0%
12.3%	213	213	0	0.0%
13.6%	197	197	0	0.0%
14.8%	187	187	0	0.0%
16.0%	165	165	0	0.0%
17.3%	160	160	0	0.0%
18.5%	156	156	0	0.0%
19.8%	151	155	3	2.2%
21.0%	121	121	0	0.0%
22.2%	109	109	0	0.0%
23.5%	97	97	0	0.0%
24.7%	90	83	-8	-8.6%
25.9%	81	81	0	0.0%
27.2%	66	66	0	0.0%
28.4%	51	51	0	0.0%
29.6%	50	50	0	0.0%
30.9%	49	49	0	0.0%
32.1%	37	37	0	0.0%
33.3%	36	36	0	0.0%
34.6%	35	35	0	0.0%
35.8%	35	35	0	0.0%
37.0%	25	25	0	0.0%
38.3%	20	20	0	
39.5%	12	12	0	
40.7%	10	10	0	
42.0%	10	10	0	
43.2%	10	10	0	
44.4%	10	10	0	
45.7%	10	10	0	
46.9%	9	9	0	
48.1%	9	9	0	
49.4%	9	9	0	
50.6%	8	9	0	
51.9%	8	8	0	
53.1%	7	8	1	
54.3%	7	7	0	
55.6%	7	7	0	
56.8%	7	7	0	
58.0%	6	7	0	
59.3%	6	6	1	
60.5%	5	5	0	
61.7%	5	5	0	
63.0%	5	5	0	
64.2%	5	5	0	
65.4%	2	3	1	
66.7%	1	2	0	
67.9%	0	1	1	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	62,698	62,880	182	0.3%
1.2%	51,722	48,323	-3,399	-6.6%
2.5%	34,588	32,910	-1,678	-4.9%
3.7%	30,952	32,094	1,142	3.7%
4.9%	28,126	25,612	-2,514	-8.9%
6.2%	25,252	23,509	-1,743	-6.9%
7.4%	16,277	14,467	-1,811	-11.1%
8.6%	13,819	13,420	-399	-2.9%
9.9%	12,826	11,549	-1,277	-10.0%
11.1%	11,761	10,952	-809	-6.9%
12.3%	6,119	5,943	-176	-2.9%
13.6%	5,624	5,538	-87	-1.5%
14.8%	5,249	4,702	-547	-10.4%
16.0%	5,223	4,220	-1,003	-19.2%
17.3%	4,199	3,985	-214	-5.1%
18.5%	3,838	3,829	-9	-0.2%
19.8%	3,205	2,841	-364	-11.4%
21.0%	2,860	2,633	-227	-7.9%
22.2%	2,818	2,470	-348	-12.3%
23.5%	2,614	1,873	-741	-28.3%
24.7%	2,606	1,739	-867	-33.3%
25.9%	1,856	1,734	-122	-6.6%
27.2%	1,715	1,553	-162	-9.4%
28.4%	1,711	1,498	-213	-12.4%
29.6%	976	913	-63	-6.4%
30.9%	913	826	-87	-9.5%
32.1%	790	728	-62	-7.9%
33.3%	605	605	0	0.0%
34.6%	470	470	0	0.0%
35.8%	442	442	0	0.0%
37.0%	411	411	0	0.0%
38.3%	350	350	0	0.0%
39.5%	349	349	0	0.0%
40.7%	330	330	0	0.0%
42.0%	285	307	22	7.8%
43.2%	281	285	3	1.1%
44.4%	280	280	0	0.0%
45.7%	265	265	0	0.0%
46.9%	261	261	0	0.0%
48.1%	195	195	0	
49.4%	192	192	0	
50.6%	178	178	0	
51.9%	138	138	0	
53.1%	135	135	0	
54.3%	122	122	0	
55.6%	107	107	0	
56.8%	93	102	10	
58.0%	81	93	11	
59.3%	63	63	0	
60.5%	57	57	0	
61.7%	57	57	0	
63.0%	42	47	5	
64.2%	42	45	3	
65.4%	41	42	2	
66.7%	37	41	3	
67.9%	23	37	15	
69.1%	20	34	15	
70.4%	13	23	10	
71.6%	10	13	3	
72.8%	5	10	5	
74.1%	1	9	8	
75.3%	0	6	6	
76.5%	0	5	5	
77.8%	0	3	3	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	143,506	141,445	-2,062	-1.4%
1.2%	124,205	118,580	-5,625	-4.5%
2.5%	88,325	84,144	-4,180	-4.7%
3.7%	83,929	83,545	-384	-0.5%
4.9%	68,883	68,117	-765	-1.1%
6.2%	58,944	59,016	72	0.1%
7.4%	47,765	46,418	-1,347	-2.8%
8.6%	47,066	42,992	-4,074	-8.7%
9.9%	32,617	31,593	-1,024	-3.1%
11.1%	26,420	27,513	1,093	4.1%
12.3%	26,346	27,103	757	2.9%
13.6%	26,236	26,284	48	0.2%
14.8%	22,159	19,774	-2,385	-10.8%
16.0%	20,955	17,572	-3,384	-16.1%
17.3%	20,781	16,804	-3,977	-19.1%
18.5%	18,697	16,602	-2,095	-11.2%
19.8%	12,077	12,102	25	0.2%
21.0%	12,043	10,339	-1,704	-14.1%
22.2%	11,583	9,854	-1,729	-14.9%
23.5%	9,945	7,940	-2,004	-20.2%
24.7%	8,926	6,924	-2,001	-22.4%
25.9%	8,025	6,906	-1,119	-13.9%
27.2%	6,931	6,693	-239	-3.4%
28.4%	6,881	6,302	-579	-8.4%
29.6%	6,257	5,408	-849	-13.6%
30.9%	5,455	5,349	-105	-1.9%
32.1%	5,341	5,107	-235	-4.4%
33.3%	4,171	3,871	-300	-7.2%
34.6%	3,913	3,487	-427	-10.9%
35.8%	3,316	3,277	-38	-1.2%
37.0%	2,942	2,547	-395	-13.4%
38.3%	2,539	2,464	-75	-2.9%
39.5%	2,455	1,990	-464	-18.9%
40.7%	2,062	1,830	-232	-11.2%
42.0%	1,973	1,088	-885	-44.8%
43.2%	1,822	1,085	-737	-40.5%
44.4%	1,619	858	-760	-47.0%
45.7%	1,531	792	-739	-48.3%
46.9%	849	517	-332	-39.1%
48.1%	792	493	-299	-37.8%
49.4%	517	490	-28	
50.6%	500	447	-53	
51.9%	490	444	-46	
53.1%	447	397	-50	
54.3%	397	374	-23	
55.6%	374	371	-3	
56.8%	371	342	-30	
58.0%	342	327	-15	
59.3%	327	326	-1	
60.5%	326	218	-108	
61.7%	232	214	-18	
63.0%	218	197	-21	
64.2%	214	182	-32	
65.4%	132	128	-4	
66.7%	128	102	-26	
67.9%	102	70	-32	
69.1%	70	63	-7	
70.4%	63	62	-2	
71.6%	62	62	0	
72.8%	61	59	-2	
74.1%	59	50	-8	
75.3%	50	50	0	
76.5%	40	40	0	
77.8%	37	38	0	
79.0%	31	37	7	
80.2%	26	31	5	
81.5%	26	26	0	
82.7%	23	26	3	
84.0%	21	21	0	
85.2%	21	14	-6	
86.4%	14	13	-1	
87.7%	13	7	-7	
88.9%	7	2	-5	
90.1%	3	0	-3	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-31-b

Yolo Bypass, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	145,292	145,272	-19	0.0%
1.2%	119,219	117,190	-2,030	-1.7%
2.5%	111,701	108,144	-3,558	-3.2%
3.7%	107,343	107,297	-46	0.0%
4.9%	102,942	102,877	-65	-0.1%
6.2%	82,237	82,392	154	0.2%
7.4%	81,705	78,249	-3,456	-4.2%
8.6%	60,162	58,486	-1,676	-2.8%
9.9%	59,071	56,757	-2,314	-3.9%
11.1%	57,403	53,422	-3,981	-6.9%
12.3%	47,208	47,092	-116	-0.2%
13.6%	42,275	38,311	-3,964	-9.4%
14.8%	35,958	36,103	144	0.4%
16.0%	34,180	34,194	14	0.0%
17.3%	33,246	30,294	-2,952	-8.9%
18.5%	32,625	29,758	-2,867	-8.8%
19.8%	31,694	28,002	-3,691	-11.6%
21.0%	26,337	26,947	610	2.3%
22.2%	26,063	24,118	-1,946	-7.5%
23.5%	23,366	22,082	-1,284	-5.5%
24.7%	17,257	20,960	3,703	21.5%
25.9%	15,386	14,490	-896	-5.8%
27.2%	15,070	12,694	-2,376	-15.8%
28.4%	14,562	12,050	-2,512	-17.3%
29.6%	12,463	10,963	-1,500	-12.0%
30.9%	10,473	9,139	-1,334	-12.7%
32.1%	9,875	8,557	-1,319	-13.4%
33.3%	8,493	8,507	14	0.2%
34.6%	8,338	8,050	-288	-3.5%
35.8%	8,260	7,503	-757	-9.2%
37.0%	8,050	7,200	-850	-10.6%
38.3%	5,860	5,668	-192	-3.3%
39.5%	5,561	5,219	-343	-6.2%
40.7%	5,361	4,319	-1,042	-19.4%
42.0%	5,079	4,202	-876	-17.3%
43.2%	4,243	3,700	-543	-12.8%
44.4%	4,144	2,872	-1,272	-30.7%
45.7%	4,049	2,842	-1,207	-29.8%
46.9%	3,766	2,828	-938	-24.9%
48.1%	3,203	2,418	-785	-24.5%
49.4%	2,887	2,398	-489	-16.9%
50.6%	2,823	1,890	-933	-33.1%
51.9%	2,410	1,827	-583	-24.2%
53.1%	2,175	1,406	-769	-35.4%
54.3%	2,122	1,365	-757	-35.7%
55.6%	1,936	879	-1,057	-54.6%
56.8%	1,882	744	-1,139	-60.5%
58.0%	1,365	671	-694	-50.8%
59.3%	909	629	-279	-30.8%
60.5%	879	596	-283	
61.7%	629	468	-161	
63.0%	468	425	-43	
64.2%	425	389	-36	
65.4%	389	389	0	
66.7%	389	355	-34	
67.9%	355	303	-52	
69.1%	303	229	-74	
70.4%	229	227	-2	
71.6%	227	219	-8	
72.8%	219	193	-26	
74.1%	193	137	-56	
75.3%	137	112	-25	
76.5%	112	110	-2	
77.8%	110	85	-25	
79.0%	85	81	-4	
80.2%	81	52	-29	
81.5%	52	51	-1	
82.7%	26	26	0	
84.0%	26	26	0	
85.2%	24	24	0	
86.4%	22	22	0	
87.7%	19	19	0	
88.9%	0	4	4	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	148,855	148,831	-24	0.0%
1.2%	134,358	129,433	-4,925	-3.7%
2.5%	80,153	80,159	6	0.0%
3.7%	56,612	51,797	-4,815	-8.5%
4.9%	50,292	45,066	-5,226	-10.4%
6.2%	45,054	44,893	-161	-0.4%
7.4%	37,594	33,048	-4,546	-12.1%
8.6%	24,659	24,083	-575	-2.3%
9.9%	24,068	23,544	-524	-2.2%
11.1%	22,282	20,576	-1,706	-7.7%
12.3%	18,331	17,706	-625	-3.4%
13.6%	15,712	15,673	-39	-0.3%
14.8%	14,609	14,235	-375	-2.6%
16.0%	12,603	12,661	58	0.5%
17.3%	11,549	11,551	1	0.0%
18.5%	9,985	9,899	-86	-0.9%
19.8%	9,289	7,864	-1,425	-15.3%
21.0%	8,193	7,861	-332	-4.1%
22.2%	8,148	7,760	-388	-4.8%
23.5%	8,011	7,216	-795	-9.9%
24.7%	7,754	7,186	-568	-7.3%
25.9%	7,639	6,772	-867	-11.3%
27.2%	7,551	5,815	-1,736	-23.0%
28.4%	6,638	4,924	-1,714	-25.8%
29.6%	5,039	3,966	-1,074	-21.3%
30.9%	3,623	3,623	0	0.0%
32.1%	3,148	3,117	-31	-1.0%
33.3%	2,984	2,986	2	0.1%
34.6%	2,951	2,939	-12	-0.4%
35.8%	2,937	2,838	-100	-3.4%
37.0%	2,835	2,485	-349	-12.3%
38.3%	2,788	2,458	-330	-11.8%
39.5%	2,485	1,488	-997	-40.1%
40.7%	2,394	1,306	-1,088	-45.5%
42.0%	2,365	1,169	-1,196	-50.6%
43.2%	2,241	1,081	-1,160	-51.8%
44.4%	1,845	1,028	-817	-44.3%
45.7%	1,169	868	-302	-25.8%
46.9%	1,079	804	-274	-25.4%
48.1%	982	780	-202	-20.6%
49.4%	865	778	-86	-10.0%
50.6%	780	775	-5	-0.6%
51.9%	778	738	-40	-5.1%
53.1%	772	696	-76	-9.8%
54.3%	766	549	-217	-28.4%
55.6%	696	475	-221	-31.8%
56.8%	475	313	-162	
58.0%	464	306	-158	
59.3%	313	268	-44	
60.5%	257	257	0	
61.7%	244	244	0	
63.0%	242	220	-22	
64.2%	220	169	-50	
65.4%	169	148	-22	
66.7%	148	131	-17	
67.9%	130	130	0	
69.1%	119	119	0	
70.4%	113	113	0	
71.6%	80	80	0	
72.8%	77	77	0	
74.1%	72	72	0	
75.3%	65	65	0	
76.5%	62	62	0	
77.8%	50	50	0	
79.0%	49	49	0	
80.2%	47	47	0	
81.5%	45	45	0	
82.7%	36	36	0	
84.0%	30	30	0	
85.2%	28	28	0	
86.4%	19	19	0	
87.7%	13	13	0	
88.9%	7	7	0	
90.1%	7	7	0	
91.4%	7	7	0	
92.6%	4	4	0	
93.8%	2	2	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,106	41,071	-35	-0.1%
1.2%	29,686	29,052	-634	-2.1%
2.5%	29,044	26,694	-2,351	-8.1%
3.7%	17,986	17,982	-4	0.0%
4.9%	9,610	9,610	1	0.0%
6.2%	9,452	9,153	-298	-3.2%
7.4%	7,174	7,385	211	2.9%
8.6%	7,096	7,096	0	0.0%
9.9%	6,839	6,840	0	0.0%
11.1%	5,137	5,141	4	0.1%
12.3%	4,846	4,846	0	0.0%
13.6%	4,555	4,556	1	0.0%
14.8%	4,458	4,458	0	0.0%
16.0%	3,892	3,875	-16	-0.4%
17.3%	3,336	3,336	0	0.0%
18.5%	3,271	3,271	0	0.0%
19.8%	2,814	2,645	-169	-6.0%
21.0%	2,670	2,293	-377	-14.1%
22.2%	2,662	1,402	-1,260	-47.3%
23.5%	2,293	1,315	-979	-42.7%
24.7%	2,232	1,095	-1,137	-50.9%
25.9%	1,315	1,079	-236	-17.9%
27.2%	1,111	668	-443	-39.9%
28.4%	1,079	558	-521	-48.3%
29.6%	558	445	-113	-20.2%
30.9%	445	418	-27	-6.1%
32.1%	418	383	-35	-8.4%
33.3%	383	288	-94	-24.7%
34.6%	288	285	-4	-1.3%
35.8%	250	250	0	0.0%
37.0%	218	218	0	0.0%
38.3%	208	198	-10	-5.0%
39.5%	198	176	-22	-11.0%
40.7%	176	176	0	-0.3%
42.0%	167	167	0	0.0%
43.2%	159	159	0	0.0%
44.4%	150	150	0	0.0%
45.7%	142	142	0	0.0%
46.9%	139	139	0	0.0%
48.1%	139	139	0	0.0%
49.4%	131	131	0	0.0%
50.6%	120	120	0	
51.9%	119	119	0	
53.1%	119	119	0	
54.3%	116	116	0	
55.6%	115	115	0	
56.8%	114	114	0	
58.0%	112	112	0	
59.3%	111	111	0	
60.5%	111	111	0	
61.7%	109	109	0	
63.0%	103	103	0	
64.2%	99	99	0	
65.4%	95	95	0	
66.7%	95	95	0	
67.9%	90	90	0	
69.1%	87	87	0	
70.4%	87	87	0	
71.6%	86	86	0	
72.8%	85	85	0	
74.1%	85	85	0	
75.3%	82	82	0	
76.5%	81	81	0	
77.8%	80	80	0	
79.0%	78	78	0	
80.2%	76	76	0	
81.5%	72	72	0	
82.7%	71	71	0	
84.0%	65	65	0	
85.2%	64	64	0	
86.4%	62	62	0	
87.7%	58	58	0	
88.9%	57	56	-1	
90.1%	56	55	0	
91.4%	55	55	0	
92.6%	55	55	0	
93.8%	55	54	-1	
95.1%	54	52	-2	
96.3%	50	50	0	
97.5%	49	49	0	
98.8%	45	45	0	
100.0%	42	42	0	

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,871	2,105	-766	-26.7%
1.2%	1,544	1,545	1	0.0%
2.5%	899	899	0	0.0%
3.7%	394	395	1	0.2%
4.9%	355	355	0	0.0%
6.2%	278	278	0	0.0%
7.4%	248	248	0	0.0%
8.6%	82	82	0	0.0%
9.9%	80	80	0	0.0%
11.1%	80	80	0	0.0%
12.3%	79	79	0	0.0%
13.6%	78	78	0	0.0%
14.8%	78	78	0	0.0%
16.0%	78	78	0	0.0%
17.3%	77	77	0	0.0%
18.5%	77	77	0	0.0%
19.8%	77	77	0	0.0%
21.0%	76	76	0	0.0%
22.2%	75	75	0	0.0%
23.5%	74	74	0	0.0%
24.7%	73	73	0	0.0%
25.9%	73	73	0	0.0%
27.2%	73	73	0	0.0%
28.4%	72	72	0	0.0%
29.6%	72	72	0	0.0%
30.9%	71	71	0	0.0%
32.1%	71	71	0	0.0%
33.3%	71	71	0	0.0%
34.6%	70	70	0	0.0%
35.8%	70	70	0	0.0%
37.0%	70	70	0	0.0%
38.3%	70	70	0	0.0%
39.5%	69	69	0	0.0%
40.7%	69	69	0	0.0%
42.0%	69	69	0	0.0%
43.2%	68	68	0	0.0%
44.4%	68	68	0	0.0%
45.7%	68	68	0	0.0%
46.9%	68	68	0	0.0%
48.1%	67	67	0	0.0%
49.4%	67	67	0	0.0%
50.6%	66	66	0	0.0%
51.9%	66	66	0	0.0%
53.1%	65	65	0	0.0%
54.3%	65	65	0	0.0%
55.6%	64	64	0	0.0%
56.8%	64	64	0	0.0%
58.0%	64	64	0	0.0%
59.3%	64	64	0	0.0%
60.5%	64	64	0	0.0%
61.7%	63	63	0	0.0%
63.0%	63	63	0	0.0%
64.2%	63	63	0	0.0%
65.4%	63	63	0	0.0%
66.7%	63	63	0	0.0%
67.9%	62	62	0	0.0%
69.1%	62	62	0	0.0%
70.4%	62	62	0	0.0%
71.6%	61	61	0	0.0%
72.8%	61	61	0	0.0%
74.1%	60	60	0	0.0%
75.3%	59	59	0	0.0%
76.5%	58	58	0	0.0%
77.8%	58	58	0	0.0%
79.0%	58	58	0	0.0%
80.2%	57	57	0	0.0%
81.5%	56	56	0	0.0%
82.7%	55	55	0	0.0%
84.0%	55	55	0	0.0%
85.2%	54	54	0	0.0%
86.4%	53	53	0	0.0%
87.7%	53	53	0	0.0%
88.9%	53	53	0	0.0%
90.1%	53	53	0	0.0%
91.4%	52	52	0	0.0%
92.6%	52	52	0	0.0%
93.8%	50	50	0	0.0%
95.1%	47	47	0	0.0%
96.3%	46	46	0	0.0%
97.5%	45	45	0	0.0%
98.8%	40	40	0	0.0%
100.0%	26	26	0	0.0%

Table SW-31-b

Yolo Bypass, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	788	854	66	8.3%
1.2%	449	449	0	0.0%
2.5%	266	266	0	0.0%
3.7%	68	68	0	0.0%
4.9%	68	68	0	0.0%
6.2%	68	68	0	0.0%
7.4%	68	68	0	0.0%
8.6%	68	68	0	0.0%
9.9%	68	68	0	0.0%
11.1%	68	68	0	0.0%
12.3%	68	68	0	0.0%
13.6%	68	68	0	0.0%
14.8%	68	68	0	0.0%
16.0%	68	68	0	0.0%
17.3%	68	68	0	0.0%
18.5%	68	68	0	0.0%
19.8%	68	68	0	0.0%
21.0%	68	68	0	0.0%
22.2%	68	68	0	0.0%
23.5%	68	68	0	0.0%
24.7%	68	68	0	0.0%
25.9%	68	68	0	0.0%
27.2%	68	68	0	0.0%
28.4%	68	68	0	0.0%
29.6%	68	68	0	0.0%
30.9%	68	68	0	0.0%
32.1%	68	68	0	0.0%
33.3%	68	68	0	0.0%
34.6%	68	68	0	0.0%
35.8%	68	68	0	0.0%
37.0%	68	68	0	0.0%
38.3%	68	68	0	0.0%
39.5%	68	68	0	0.0%
40.7%	68	68	0	0.0%
42.0%	68	68	0	0.0%
43.2%	68	68	0	0.0%
44.4%	68	68	0	0.0%
45.7%	67	67	0	0.0%
46.9%	67	67	0	0.0%
48.1%	67	67	0	0.0%
49.4%	67	67	0	0.0%
50.6%	67	67	0	0.0%
51.9%	67	67	0	0.0%
53.1%	67	67	0	0.0%
54.3%	67	67	0	0.0%
55.6%	67	67	0	0.0%
56.8%	67	67	0	0.0%
58.0%	67	67	0	0.0%
59.3%	67	67	0	0.0%
60.5%	67	67	0	0.0%
61.7%	66	66	0	0.0%
63.0%	66	66	0	0.0%
64.2%	66	66	0	0.0%
65.4%	66	66	0	0.0%
66.7%	66	66	0	0.0%
67.9%	66	66	0	0.0%
69.1%	66	66	0	0.0%
70.4%	66	66	0	0.0%
71.6%	65	65	0	0.0%
72.8%	65	65	0	0.0%
74.1%	65	65	0	0.0%
75.3%	65	65	0	0.0%
76.5%	65	65	0	0.0%
77.8%	65	65	0	0.0%
79.0%	65	65	0	0.0%
80.2%	64	64	0	0.0%
81.5%	63	63	0	0.0%
82.7%	63	63	0	0.0%
84.0%	63	63	0	0.0%
85.2%	63	63	0	0.0%
86.4%	63	63	0	0.0%
87.7%	63	63	0	0.0%
88.9%	63	63	0	0.0%
90.1%	62	62	0	0.0%
91.4%	62	62	0	0.0%
92.6%	61	61	0	0.0%
93.8%	59	59	0	0.0%
95.1%	57	57	0	0.0%
96.3%	57	57	0	0.0%
97.5%	56	56	0	0.0%
98.8%	56	56	0	0.0%
100.0%	53	53	0	0.0%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48	429	381	791.1%
1.2%	48	48	0	0.0%
2.5%	48	48	0	0.0%
3.7%	48	48	0	0.0%
4.9%	48	48	0	0.0%
6.2%	48	48	0	0.0%
7.4%	48	48	0	0.0%
8.6%	48	48	0	0.0%
9.9%	48	48	0	0.0%
11.1%	48	48	0	0.0%
12.3%	48	48	0	0.0%
13.6%	48	48	0	0.0%
14.8%	48	48	0	0.0%
16.0%	48	48	0	0.0%
17.3%	48	48	0	0.0%
18.5%	48	48	0	0.0%
19.8%	48	48	0	0.0%
21.0%	48	48	0	0.0%
22.2%	48	48	0	0.0%
23.5%	48	48	0	0.0%
24.7%	48	48	0	0.0%
25.9%	48	48	0	0.0%
27.2%	48	48	0	0.0%
28.4%	48	48	0	0.0%
29.6%	48	48	0	0.0%
30.9%	48	48	0	0.0%
32.1%	48	48	0	0.0%
33.3%	48	48	0	0.0%
34.6%	48	48	0	0.0%
35.8%	48	48	0	0.0%
37.0%	48	48	0	0.0%
38.3%	48	48	0	0.0%
39.5%	48	48	0	0.0%
40.7%	48	48	0	0.0%
42.0%	48	48	0	0.0%
43.2%	48	48	0	0.0%
44.4%	48	48	0	0.0%
45.7%	48	48	0	0.0%
46.9%	48	48	0	0.0%
48.1%	48	48	0	0.0%
49.4%	48	48	0	0.0%
50.6%	48	48	0	0.0%
51.9%	48	48	0	0.0%
53.1%	48	48	0	0.0%
54.3%	48	48	0	0.0%
55.6%	48	48	0	0.0%
56.8%	48	48	0	0.0%
58.0%	48	48	0	0.0%
59.3%	48	48	0	0.0%
60.5%	48	48	0	0.0%
61.7%	48	48	0	0.0%
63.0%	48	48	0	0.0%
64.2%	48	48	0	0.0%
65.4%	48	48	0	0.0%
66.7%	48	48	0	0.0%
67.9%	48	48	0	0.0%
69.1%	48	48	0	0.0%
70.4%	48	48	0	0.0%
71.6%	48	48	0	0.0%
72.8%	48	48	0	0.0%
74.1%	48	48	0	0.0%
75.3%	48	48	0	0.0%
76.5%	48	48	0	0.0%
77.8%	48	48	0	0.0%
79.0%	48	48	0	0.0%
80.2%	48	48	0	0.0%
81.5%	48	48	0	0.0%
82.7%	48	48	0	0.0%
84.0%	48	48	0	0.0%
85.2%	48	48	0	0.0%
86.4%	48	48	0	0.0%
87.7%	48	48	0	0.0%
88.9%	48	48	0	0.0%
90.1%	48	48	0	0.0%
91.4%	48	48	0	0.0%
92.6%	48	48	0	0.0%
93.8%	48	48	0	0.0%
95.1%	48	48	0	0.0%
96.3%	48	48	0	0.0%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	41	41	0	0.0%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	628	693	65	10.3%
1.2%	610	628	18	3.0%
2.5%	549	610	60	11.0%
3.7%	510	576	66	12.9%
4.9%	502	549	47	9.3%
6.2%	486	502	16	3.4%
7.4%	466	486	20	4.3%
8.6%	431	466	35	8.1%
9.9%	302	450	148	48.9%
11.1%	186	445	260	140.0%
12.3%	164	445	281	170.9%
13.6%	126	445	320	254.6%
14.8%	60	445	385	644.2%
16.0%	55	445	390	711.1%
17.3%	55	445	390	711.1%
18.5%	55	445	390	711.1%
19.8%	55	445	390	711.1%
21.0%	55	445	390	711.1%
22.2%	55	445	390	711.1%
23.5%	55	445	390	711.1%
24.7%	55	445	390	711.1%
25.9%	55	445	390	711.1%
27.2%	55	445	390	711.1%
28.4%	55	445	390	711.1%
29.6%	55	445	390	711.1%
30.9%	55	445	390	711.1%
32.1%	55	445	390	711.1%
33.3%	55	445	390	711.1%
34.6%	55	445	390	711.1%
35.8%	55	445	390	711.1%
37.0%	55	445	390	711.1%
38.3%	55	445	390	711.1%
39.5%	55	445	390	711.1%
40.7%	55	445	390	711.1%
42.0%	55	445	390	710.9%
43.2%	55	445	390	710.6%
44.4%	55	445	390	710.4%
45.7%	55	445	390	710.3%
46.9%	55	444	389	709.4%
48.1%	55	444	389	709.4%
49.4%	55	444	389	709.0%
50.6%	55	439	385	700.7%
51.9%	55	431	376	685.5%
53.1%	55	164	109	199.4%
54.3%	55	126	71	128.7%
55.6%	55	55	0	0.0%
56.8%	55	55	0	0.0%
58.0%	55	55	0	0.0%
59.3%	55	55	0	0.0%
60.5%	55	55	0	0.0%
61.7%	55	55	0	0.0%
63.0%	55	55	0	0.0%
64.2%	55	55	0	0.0%
65.4%	55	55	0	0.0%
66.7%	55	55	0	0.0%
67.9%	55	55	0	0.0%
69.1%	55	55	0	0.0%
70.4%	55	55	0	0.0%
71.6%	55	55	0	0.0%
72.8%	55	55	0	0.0%
74.1%	55	55	0	0.0%
75.3%	55	55	0	0.3%
76.5%	55	55	0	0.3%
77.8%	55	55	0	0.3%
79.0%	55	55	0	0.3%
80.2%	55	55	0	0.3%
81.5%	55	55	0	0.3%
82.7%	55	55	0	0.5%
84.0%	55	55	0	0.5%
85.2%	54	55	0	0.5%
86.4%	54	55	0	0.6%
87.7%	54	55	0	0.6%
88.9%	54	55	1	1.0%
90.1%	54	55	1	1.5%
91.4%	54	55	1	1.2%
92.6%	54	54	1	1.3%
93.8%	54	54	0	0.9%
95.1%	53	54	0	0.6%
96.3%	52	53	1	1.8%
97.5%	50	52	2	4.6%
98.8%	49	50	1	2.0%
100.0%	42	42	0	0.0%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	909	959	50	5.5%
1.2%	366	700	334	91.2%
2.5%	279	677	398	142.3%
3.7%	274	654	380	139.0%
4.9%	251	607	357	142.2%
6.2%	204	596	392	192.2%
7.4%	192	565	373	194.3%
8.6%	168	558	390	231.9%
9.9%	162	544	383	236.8%
11.1%	154	541	386	250.4%
12.3%	153	532	378	246.5%
13.6%	141	518	377	268.0%
14.8%	128	517	389	303.3%
16.0%	114	499	385	338.5%
17.3%	96	493	397	414.9%
18.5%	89	470	381	426.7%
19.8%	72	465	393	549.4%
21.0%	67	463	396	593.5%
22.2%	62	463	401	650.0%
23.5%	60	463	403	674.4%
24.7%	59	462	403	679.5%
25.9%	59	455	396	667.6%
27.2%	59	454	394	665.2%
28.4%	59	443	384	647.4%
29.6%	59	437	377	636.6%
30.9%	59	435	376	633.8%
32.1%	59	432	372	628.2%
33.3%	59	429	370	624.1%
34.6%	59	408	349	588.8%
35.8%	59	403	344	580.4%
37.0%	59	403	344	580.4%
38.3%	59	403	344	580.4%
39.5%	59	403	344	580.4%
40.7%	59	403	344	580.4%
42.0%	59	403	344	580.4%
43.2%	59	403	344	580.4%
44.4%	59	403	344	580.4%
45.7%	59	403	344	580.4%
46.9%	59	403	344	580.4%
48.1%	59	403	344	580.4%
49.4%	59	403	344	580.4%
50.6%	59	403	344	580.4%
51.9%	59	403	344	580.4%
53.1%	59	403	344	580.4%
54.3%	59	403	344	580.4%
55.6%	59	403	344	580.4%
56.8%	59	403	344	580.4%
58.0%	59	403	344	580.4%
59.3%	59	403	344	581.6%
60.5%	59	403	344	581.6%
61.7%	59	403	344	581.6%
63.0%	59	403	344	584.0%
64.2%	59	366	307	520.5%
65.4%	59	360	301	514.3%
66.7%	59	288	230	392.1%
67.9%	58	161	103	176.3%
69.1%	58	93	35	60.2%
70.4%	58	59	1	1.6%
71.6%	58	59	1	2.1%
72.8%	58	59	1	2.1%
74.1%	57	59	2	3.4%
75.3%	57	59	2	3.8%
76.5%	57	59	3	4.8%
77.8%	57	59	3	4.8%
79.0%	56	59	3	6.1%
80.2%	55	59	4	6.9%
81.5%	55	59	4	7.5%
82.7%	55	59	4	7.8%
84.0%	55	59	5	8.4%
85.2%	55	59	4	8.0%
86.4%	54	59	5	9.9%
87.7%	53	59	6	11.4%
88.9%	52	58	6	12.4%
90.1%	52	57	6	10.6%
91.4%	51	57	6	11.4%
92.6%	50	57	6	12.6%
93.8%	49	55	7	13.6%
95.1%	46	55	9	18.7%
96.3%	45	54	9	19.9%
97.5%	24	50	27	112.9%
98.8%	23	46	23	97.4%
100.0%	20	24	3	16.6%

Figure SW-32-b
Sacramento River at Rio Vista, Monthly Flow
Probability of Exceedance

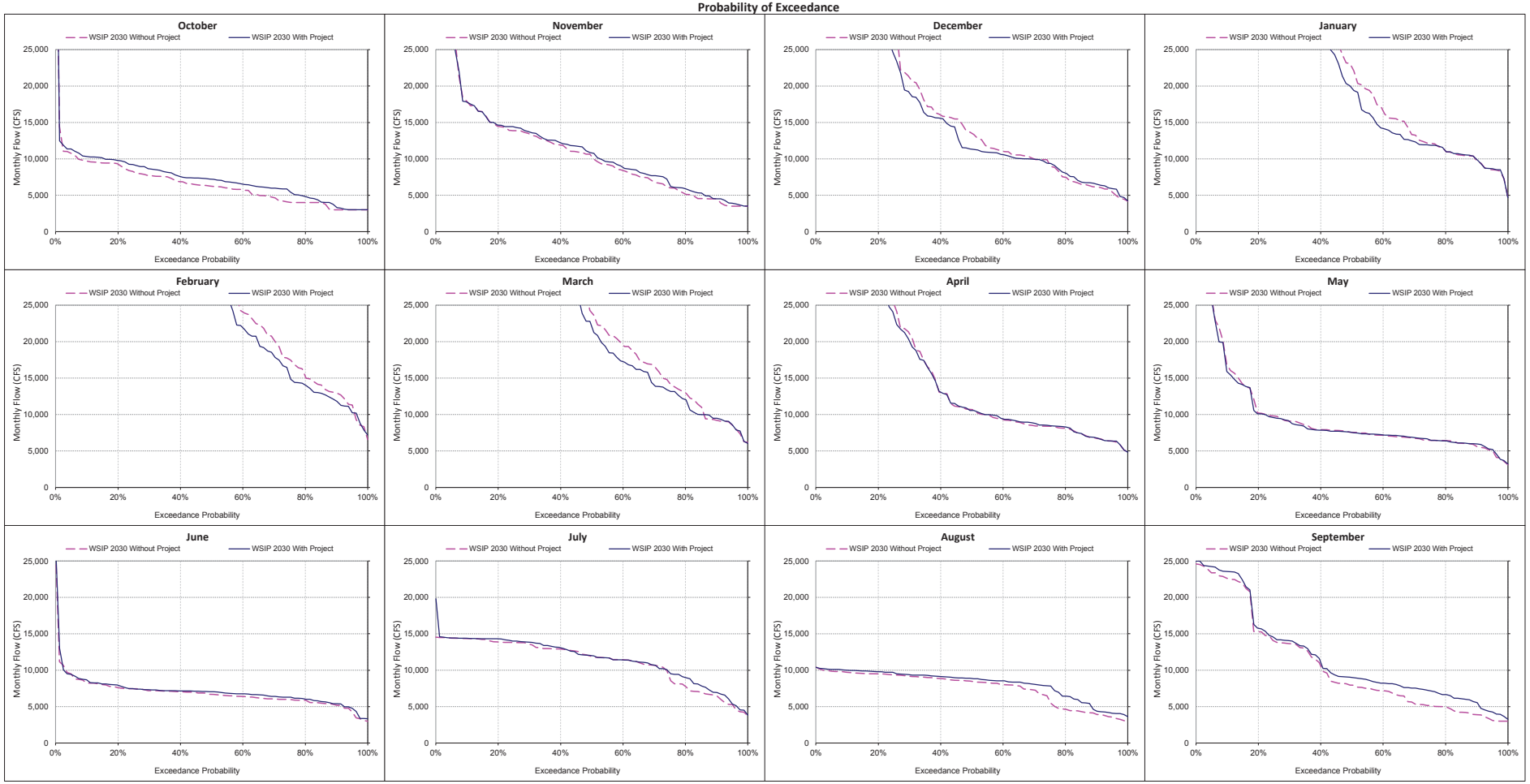


Table SW-32-b

Sacramento River at Rio Vista, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	52,043	55,557	3,514	6.8%
1.2%	14,437	12,483	-1,954	-13.5%
2.5%	11,036	11,869	833	7.5%
3.7%	11,009	11,376	366	3.3%
4.9%	10,770	11,353	583	5.4%
6.2%	10,476	11,053	577	5.5%
7.4%	9,934	10,808	874	8.8%
8.6%	9,821	10,405	584	5.9%
9.9%	9,704	10,340	636	6.5%
11.1%	9,590	10,270	680	7.1%
12.3%	9,562	10,256	695	7.3%
13.6%	9,521	10,215	694	7.3%
14.8%	9,444	10,167	723	7.7%
16.0%	9,428	9,948	520	5.5%
17.3%	9,424	9,920	496	5.3%
18.5%	9,421	9,910	489	5.2%
19.8%	9,339	9,804	465	5.0%
21.0%	8,998	9,718	720	8.0%
22.2%	8,650	9,561	911	10.5%
23.5%	8,399	9,255	856	10.2%
24.7%	8,273	9,218	945	11.4%
25.9%	8,012	9,069	1,057	13.2%
27.2%	7,963	8,949	986	12.4%
28.4%	7,870	8,948	1,078	13.7%
29.6%	7,700	8,657	957	12.4%
30.9%	7,670	8,585	915	11.9%
32.1%	7,605	8,525	920	12.1%
33.3%	7,589	8,444	855	11.3%
34.6%	7,575	8,266	692	9.1%
35.8%	7,532	8,134	602	8.0%
37.0%	7,330	8,076	746	10.2%
38.3%	7,043	7,780	737	10.5%
39.5%	6,870	7,630	760	11.1%
40.7%	6,849	7,463	614	9.0%
42.0%	6,616	7,417	802	12.1%
43.2%	6,592	7,389	796	12.1%
44.4%	6,486	7,368	881	13.6%
45.7%	6,413	7,363	950	14.8%
46.9%	6,365	7,342	977	15.4%
48.1%	6,344	7,306	962	15.2%
49.4%	6,267	7,209	942	15.0%
50.6%	6,212	7,171	960	15.5%
51.9%	6,190	7,094	903	14.6%
53.1%	6,148	7,045	896	14.6%
54.3%	6,028	6,872	844	14.0%
55.6%	5,978	6,826	848	14.2%
56.8%	5,838	6,775	936	16.0%
58.0%	5,807	6,705	899	15.5%
59.3%	5,806	6,582	776	13.4%
60.5%	5,681	6,477	796	14.0%
61.7%	5,672	6,448	777	13.7%
63.0%	5,114	6,345	1,231	24.1%
64.2%	5,110	6,208	1,098	21.5%
65.4%	4,962	6,161	1,199	24.2%
66.7%	4,956	6,117	1,161	23.4%
67.9%	4,886	6,035	1,148	23.5%
69.1%	4,762	5,992	1,229	25.8%
70.4%	4,622	5,977	1,355	29.3%
71.6%	4,234	5,891	1,657	39.1%
72.8%	4,212	5,884	1,672	39.7%
74.1%	4,095	5,882	1,787	43.6%
75.3%	4,016	5,409	1,393	34.7%
76.5%	4,000	5,089	1,089	27.2%
77.8%	4,000	5,050	1,050	26.3%
79.0%	4,000	4,931	931	23.3%
80.2%	4,000	4,786	786	19.6%
81.5%	4,000	4,616	616	15.4%
82.7%	4,000	4,540	540	13.5%
84.0%	4,000	4,378	378	9.5%
85.2%	4,000	4,034	34	0.8%
86.4%	3,772	4,000	228	6.0%
87.7%	3,096	4,000	904	29.2%
88.9%	3,000	3,764	764	25.5%
90.1%	3,000	3,315	315	10.5%
91.4%	3,000	3,218	218	7.3%
92.6%	3,000	3,082	82	2.7%
93.8%	3,000	3,025	25	0.8%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	56,706	52,833	-3,873	-6.8%
1.2%	51,706	52,492	786	1.5%
2.5%	42,919	44,572	1,653	3.9%
3.7%	41,021	40,574	-448	-1.1%
4.9%	28,896	28,919	22	0.1%
6.2%	26,390	24,906	-1,484	-5.6%
7.4%	21,366	22,018	652	3.1%
8.6%	18,415	17,909	-506	-2.7%
9.9%	17,944	17,814	-130	-0.7%
11.1%	17,300	17,551	250	1.4%
12.3%	17,295	17,295	0	0.0%
13.6%	16,570	16,525	-45	-0.3%
14.8%	16,503	16,447	-56	-0.3%
16.0%	15,893	15,838	-55	-0.3%
17.3%	15,068	15,025	-43	-0.3%
18.5%	14,872	14,997	125	0.8%
19.8%	14,482	14,635	153	1.1%
21.0%	14,398	14,624	225	1.6%
22.2%	14,334	14,439	105	0.7%
23.5%	13,926	14,432	506	3.6%
24.7%	13,874	14,427	553	4.0%
25.9%	13,865	14,276	411	3.0%
27.2%	13,859	14,200	341	2.5%
28.4%	13,638	13,894	256	1.9%
29.6%	13,506	13,758	252	1.9%
30.9%	13,226	13,591	365	2.8%
32.1%	13,109	13,496	387	3.0%
33.3%	12,796	13,114	318	2.5%
34.6%	12,683	12,784	102	0.8%
35.8%	12,463	12,589	126	1.0%
37.0%	12,234	12,589	355	2.9%
38.3%	11,948	12,523	575	4.8%
39.5%	11,930	12,294	364	3.1%
40.7%	11,850	12,076	226	1.9%
42.0%	11,400	11,992	592	5.2%
43.2%	11,039	11,831	792	7.2%
44.4%	11,020	11,793	773	7.0%
45.7%	10,931	11,729	798	7.3%
46.9%	10,880	11,637	757	7.0%
48.1%	10,649	11,112	462	4.3%
49.4%	10,648	10,879	231	2.2%
50.6%	9,964	10,763	799	8.0%
51.9%	9,604	10,137	533	5.6%
53.1%	9,319	9,918	599	6.4%
54.3%	9,277	9,649	371	4.0%
55.6%	9,169	9,582	413	4.5%
56.8%	9,022	9,534	512	5.7%
58.0%	8,565	9,205	640	7.5%
59.3%	8,502	9,060	558	6.6%
60.5%	8,344	8,675	331	4.0%
61.7%	8,131	8,617	487	6.0%
63.0%	7,889	8,558	669	8.5%
64.2%	7,781	8,468	687	8.8%
65.4%	7,527	8,130	602	8.0%
66.7%	7,478	8,006	528	7.1%
67.9%	7,400	7,826	426	5.8%
69.1%	7,045	7,701	656	9.3%
70.4%	6,741	7,695	954	14.2%
71.6%	6,665	7,609	944	14.2%
72.8%	6,554	7,552	998	15.2%
74.1%	6,121	7,241	1,120	18.3%
75.3%	6,007	6,207	200	3.3%
76.5%	5,997	6,086	88	1.5%
77.8%	5,648	6,033	385	6.8%
79.0%	5,382	6,017	635	11.8%
80.2%	5,112	5,869	756	14.8%
81.5%	5,088	5,663	575	11.3%
82.7%	4,891	5,484	593	12.1%
84.0%	4,549	5,317	768	16.9%
85.2%	4,549	5,301	752	16.5%
86.4%	4,532	4,913	381	8.4%
87.7%	4,503	4,900	397	8.8%
88.9%	4,500	4,551	51	1.1%
90.1%	4,500	4,500	0	0.0%
91.4%	3,914	4,500	586	15.0%
92.6%	3,633	4,289	656	18.1%
93.8%	3,500	3,939	439	12.5%
95.1%	3,500	3,897	397	11.3%
96.3%	3,500	3,807	307	8.8%
97.5%	3,500	3,652	152	4.3%
98.8%	3,500	3,500	0	0.0%
100.0%	3,500	3,500	0	0.0%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	131,088	131,283	196	0.1%
1.2%	99,911	95,586	-4,325	-4.3%
2.5%	97,295	95,493	-1,802	-1.9%
3.7%	88,101	82,942	-5,159	-5.9%
4.9%	83,657	81,665	-1,992	-2.4%
6.2%	73,157	73,490	333	0.5%
7.4%	69,083	70,008	925	1.3%
8.6%	68,514	69,994	1,480	2.2%
9.9%	66,815	63,638	-3,176	-4.8%
11.1%	53,708	51,772	-1,936	-3.6%
12.3%	51,895	50,189	-1,706	-3.3%
13.6%	49,420	48,251	-1,169	-2.4%
14.8%	36,097	35,407	-691	-1.9%
16.0%	35,576	34,040	-1,536	-4.3%
17.3%	35,313	32,286	-3,027	-8.6%
18.5%	34,557	32,050	-2,507	-7.3%
19.8%	34,169	31,857	-2,312	-6.8%
21.0%	32,111	29,611	-2,500	-7.8%
22.2%	29,721	27,410	-2,311	-7.8%
23.5%	28,867	26,188	-2,679	-9.3%
24.7%	27,928	24,650	-3,278	-11.7%
25.9%	27,468	23,379	-4,090	-14.9%
27.2%	22,195	21,808	-387	-1.7%
28.4%	21,896	19,463	-2,433	-11.1%
29.6%	21,393	19,249	-2,144	-10.0%
30.9%	20,650	18,534	-2,115	-10.2%
32.1%	20,457	18,476	-1,981	-9.7%
33.3%	19,504	17,742	-1,762	-9.0%
34.6%	18,109	16,394	-1,715	-9.5%
35.8%	17,175	15,877	-1,299	-7.6%
37.0%	17,121	15,828	-1,293	-7.6%
38.3%	16,348	15,644	-704	-4.3%
39.5%	16,132	15,607	-525	-3.3%
40.7%	15,830	15,493	-337	-2.1%
42.0%	15,803	14,872	-932	-5.9%
43.2%	15,671	14,489	-1,183	-7.5%
44.4%	15,479	14,380	-1,099	-7.1%
45.7%	15,465	12,664	-2,801	-18.1%
46.9%	14,726	11,539	-3,187	-21.6%
48.1%	13,871	11,500	-2,371	-17.1%
49.4%	13,663	11,355	-2,308	-16.9%
50.6%	13,346	11,275	-2,071	-15.5%
51.9%	12,803	11,235	-1,569	-12.3%
53.1%	12,632	11,004	-1,628	-12.9%
54.3%	11,848	10,930	-917	-7.7%
55.6%	11,514	10,884	-630	-5.5%
56.8%	11,451	10,879	-572	-5.0%
58.0%	11,280	10,828	-452	-4.0%
59.3%	11,125	10,611	-513	-4.6%
60.5%	11,004	10,539	-465	-4.2%
61.7%	10,974	10,408	-567	-5.2%
63.0%	10,539	10,224	-315	-3.0%
64.2%	10,538	10,095	-443	-4.2%
65.4%	10,535	10,041	-493	-4.7%
66.7%	10,433	10,016	-417	-4.0%
67.9%	10,376	10,008	-367	-3.5%
69.1%	10,123	9,960	-163	-1.6%
70.4%	9,911	9,928	18	0.2%
71.6%	9,903	9,890	-12	-0.1%
72.8%	9,901	9,737	-164	-1.7%
74.1%	9,880	9,417	-463	-4.7%
75.3%	8,952	9,365	413	4.6%
76.5%	8,830	9,096	266	3.0%
77.8%	8,295	8,624	329	4.0%
79.0%	7,543	8,197	653	8.7%
80.2%	7,450	8,019	569	7.6%
81.5%	6,950	7,591	641	9.2%
82.7%	6,866	7,537	671	9.8%
84.0%	6,698	7,055	357	5.3%
85.2%	6,488	6,784	296	4.6%
86.4%	6,471	6,740	270	4.2%
87.7%	6,324	6,725	401	6.3%
88.9%	6,157	6,637	480	7.8%
90.1%	6,156	6,509	353	5.7%
91.4%	6,049	6,370	321	5.3%
92.6%	5,863	6,312	448	7.6%
93.8%	5,847	5,995	148	2.5%
95.1%	5,424	5,904	480	8.9%
96.3%	4,949	5,845	896	18.1%
97.5%	4,566	4,822	256	5.6%
98.8%	4,459	4,691	232	5.2%
100.0%	4,183	4,223	40	1.0%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	211,426	209,397	-2,030	-1.0%
1.2%	191,879	186,256	-5,624	-2.9%
2.5%	158,855	154,563	-4,291	-2.7%
3.7%	147,335	146,947	-388	-0.3%
4.9%	129,496	128,631	-865	-0.7%
6.2%	123,709	123,786	77	0.1%
7.4%	114,792	110,409	-4,383	-3.8%
8.6%	107,916	106,406	-1,510	-1.4%
9.9%	96,206	94,948	-1,258	-1.3%
11.1%	83,590	84,458	868	1.0%
12.3%	81,515	82,071	556	0.7%
13.6%	80,556	81,424	868	1.1%
14.8%	80,360	78,801	-1,560	-1.9%
16.0%	79,338	73,381	-5,957	-7.5%
17.3%	79,020	71,687	-7,333	-9.3%
18.5%	62,274	59,594	-2,680	-4.3%
19.8%	60,726	58,750	-1,976	-3.3%
21.0%	60,652	57,040	-3,611	-6.0%
22.2%	59,498	55,637	-3,861	-6.5%
23.5%	53,770	52,658	-1,112	-2.1%
24.7%	52,577	50,644	-1,933	-3.7%
25.9%	52,395	49,799	-2,597	-5.0%
27.2%	48,045	47,971	-74	-0.2%
28.4%	47,418	47,690	272	0.6%
29.6%	46,497	45,157	-1,340	-2.9%
30.9%	46,402	43,339	-3,063	-6.6%
32.1%	43,336	42,735	-601	-1.4%
33.3%	37,287	35,416	-1,871	-5.0%
34.6%	35,686	33,818	-1,868	-5.2%
35.8%	34,901	31,726	-3,174	-9.1%
37.0%	34,168	31,091	-3,076	-9.0%
38.3%	33,284	30,941	-2,342	-7.0%
39.5%	32,290	28,670	-3,620	-11.2%
40.7%	31,583	27,153	-4,430	-14.0%
42.0%	29,295	26,193	-3,102	-10.6%
43.2%	28,453	24,940	-3,513	-12.3%
44.4%	27,179	24,313	-2,866	-10.5%
45.7%	25,705	23,055	-2,650	-10.3%
46.9%	24,345	21,357	-2,989	-12.3%
48.1%	23,185	20,367	-2,818	-12.2%
49.4%	23,104	20,043	-3,061	-13.2%
50.6%	22,090	19,402	-2,688	-12.2%
51.9%	20,363	19,132	-1,231	-6.0%
53.1%	20,157	16,750	-3,407	-16.9%
54.3%	19,637	16,381	-3,256	-16.6%
55.6%	19,420	16,236	-3,184	-16.4%
56.8%	18,812	15,641	-3,170	-16.9%
58.0%	17,455	14,735	-2,720	-15.6%
59.3%	17,198	14,248	-2,950	-17.2%
60.5%	16,166	14,093	-2,073	-12.8%
61.7%	15,609	13,913	-1,696	-10.9%
63.0%	15,561	13,586	-1,975	-12.7%
64.2%	15,492	13,379	-2,113	-13.6%
65.4%	15,187	13,363	-1,824	-12.0%
66.7%	15,167	12,675	-2,493	-16.4%
67.9%	14,326	12,652	-1,674	-11.7%
69.1%	13,348	12,464	-884	-6.6%
70.4%	13,245	12,316	-929	-7.0%
71.6%	12,556	11,969	-587	-4.7%
72.8%	12,384	11,933	-451	-3.6%
74.1%	12,178	11,925	-253	-2.1%
75.3%	12,152	11,873	-279	-2.3%
76.5%	12,049	11,858	-191	-1.6%
77.8%	11,668	11,759	91	0.8%
79.0%	11,547	11,591	44	0.4%
80.2%	10,961	10,987	26	0.2%
81.5%	10,934	10,977	43	0.4%
82.7%	10,743	10,734	-9	-0.1%
84.0%	10,567	10,714	147	1.4%
85.2%	10,507	10,614	107	1.0%
86.4%	10,422	10,537	115	1.1%
87.7%	10,404	10,502	98	0.9%
88.9%	10,401	10,354	-47	-0.4%
90.1%	9,666	9,851	185	1.9%
91.4%	9,397	9,349	-48	-0.5%
92.6%	8,764	8,735	-29	-0.3%
93.8%	8,564	8,702	139	1.6%
95.1%	8,500	8,665	166	1.9%
96.3%	8,463	8,508	45	0.5%
97.5%	8,319	8,507	188	2.3%
98.8%	7,241	7,256	15	0.2%
100.0%	4,732	4,652	-80	-1.7%

Table SW-32-b

Sacramento River at Rio Vista, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	212,562	212,539	-23	0.0%
1.2%	187,146	185,119	-2,027	-1.1%
2.5%	182,361	178,137	-4,223	-2.3%
3.7%	176,664	177,534	870	0.5%
4.9%	165,279	165,212	-68	0.0%
6.2%	152,536	152,701	165	0.1%
7.4%	149,398	145,883	-3,515	-2.4%
8.6%	123,218	119,721	-3,497	-2.8%
9.9%	121,621	118,769	-2,852	-2.3%
11.1%	120,778	118,226	-2,552	-2.1%
12.3%	112,749	112,619	-130	-0.1%
13.6%	102,851	99,274	-3,578	-3.5%
14.8%	99,323	94,889	-4,433	-4.5%
16.0%	94,637	94,809	172	0.2%
17.3%	93,822	93,705	-117	-0.1%
18.5%	93,690	88,663	-5,027	-5.4%
19.8%	87,857	85,946	-1,912	-2.2%
21.0%	80,153	77,427	-2,725	-3.4%
22.2%	79,960	77,038	-2,923	-3.7%
23.5%	75,925	76,663	738	1.0%
24.7%	73,329	76,594	3,265	4.5%
25.9%	71,982	72,630	648	0.9%
27.2%	65,544	63,329	-2,215	-3.4%
28.4%	63,890	61,250	-2,641	-4.1%
29.6%	63,763	60,038	-3,725	-5.8%
30.9%	56,717	53,985	-2,733	-4.8%
32.1%	56,013	53,947	-2,067	-3.7%
33.3%	53,927	53,388	-540	-1.0%
34.6%	53,386	51,468	-1,918	-3.6%
35.8%	51,488	50,890	-598	-1.2%
37.0%	49,986	47,786	-2,201	-4.4%
38.3%	49,846	46,462	-3,384	-6.8%
39.5%	49,261	45,606	-3,655	-7.4%
40.7%	47,300	44,724	-2,576	-5.4%
42.0%	43,622	44,439	817	1.9%
43.2%	43,205	41,044	-2,161	-5.0%
44.4%	39,645	39,648	3	0.0%
45.7%	39,157	37,323	-1,834	-4.7%
46.9%	37,216	36,429	-788	-2.1%
48.1%	36,417	35,570	-847	-2.3%
49.4%	34,119	31,005	-3,113	-9.1%
50.6%	32,579	29,400	-3,180	-9.8%
51.9%	31,726	29,231	-2,495	-7.9%
53.1%	31,424	28,328	-3,096	-9.9%
54.3%	29,564	27,905	-1,659	-5.6%
55.6%	29,071	25,750	-3,322	-11.4%
56.8%	26,823	24,236	-2,587	-9.6%
58.0%	26,054	22,281	-3,773	-14.5%
59.3%	24,271	22,232	-2,039	-8.4%
60.5%	23,930	21,674	-2,256	-9.4%
61.7%	23,740	21,025	-2,715	-11.4%
63.0%	23,135	20,765	-2,370	-10.2%
64.2%	22,482	20,748	-1,734	-7.7%
65.4%	22,324	19,369	-2,955	-13.2%
66.7%	21,827	19,198	-2,629	-12.0%
67.9%	20,911	18,720	-2,191	-10.5%
69.1%	20,778	18,561	-2,217	-10.7%
70.4%	19,984	17,828	-2,157	-10.8%
71.6%	19,316	17,489	-1,827	-9.5%
72.8%	17,858	16,674	-1,184	-6.6%
74.1%	17,765	16,465	-1,300	-7.3%
75.3%	17,471	14,854	-2,617	-15.0%
76.5%	16,866	14,402	-2,463	-14.6%
77.8%	16,427	14,365	-2,063	-12.6%
79.0%	16,274	14,303	-1,971	-12.1%
80.2%	14,986	13,981	-1,004	-6.7%
81.5%	14,896	13,586	-1,310	-8.8%
82.7%	14,531	13,041	-1,490	-10.3%
84.0%	14,161	13,032	-1,129	-8.0%
85.2%	14,037	12,903	-1,134	-8.1%
86.4%	13,433	12,698	-735	-5.5%
87.7%	13,165	12,429	-736	-5.6%
88.9%	13,061	12,136	-925	-7.1%
90.1%	12,939	11,811	-1,128	-8.7%
91.4%	12,690	11,263	-1,427	-11.2%
92.6%	12,134	11,147	-987	-8.1%
93.8%	11,397	11,126	-270	-2.4%
95.1%	11,306	10,234	-1,072	-9.5%
96.3%	9,290	10,187	897	9.7%
97.5%	8,540	8,815	275	3.2%
98.8%	8,335	7,845	-490	-5.9%
100.0%	6,561	7,221	660	10.1%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	217,773	217,750	-23	0.0%
1.2%	201,205	196,301	-4,904	-2.4%
2.5%	148,617	148,622	6	0.0%
3.7%	122,093	116,761	-5,332	-4.4%
4.9%	110,717	108,491	-2,226	-2.0%
6.2%	108,477	104,830	-3,648	-3.4%
7.4%	99,285	94,215	-5,070	-5.1%
8.6%	79,581	76,684	-2,897	-3.6%
9.9%	76,665	73,919	-2,746	-3.6%
11.1%	70,879	70,521	-358	-0.5%
12.3%	69,130	70,038	909	1.3%
13.6%	68,870	69,199	329	0.5%
14.8%	68,614	68,566	-47	-0.1%
16.0%	63,037	63,037	0	0.0%
17.3%	60,767	60,137	-630	-1.0%
18.5%	57,616	57,645	28	0.0%
19.8%	56,746	56,755	9	0.0%
21.0%	56,018	55,819	-200	-0.4%
22.2%	55,935	55,609	-326	-0.6%
23.5%	54,901	50,354	-4,547	-8.3%
24.7%	50,830	49,597	-1,234	-2.4%
25.9%	50,529	48,334	-2,195	-4.3%
27.2%	50,089	47,319	-2,770	-5.5%
28.4%	49,962	45,865	-4,097	-8.2%
29.6%	49,329	45,040	-4,289	-8.7%
30.9%	42,397	41,600	-796	-1.9%
32.1%	40,410	38,143	-2,267	-5.6%
33.3%	39,900	36,082	-3,818	-9.6%
34.6%	35,743	35,680	-63	-0.2%
35.8%	35,717	35,046	-671	-1.9%
37.0%	35,600	34,873	-727	-2.0%
38.3%	35,464	33,106	-2,358	-6.6%
39.5%	34,465	32,302	-2,163	-6.3%
40.7%	33,563	31,182	-2,381	-7.1%
42.0%	33,161	30,522	-2,639	-8.0%
43.2%	31,217	27,316	-3,901	-12.5%
44.4%	30,952	27,186	-3,766	-12.2%
45.7%	28,634	26,207	-2,427	-8.5%
46.9%	28,226	23,881	-4,345	-15.4%
48.1%	26,742	22,813	-3,929	-14.7%
49.4%	24,287	22,789	-1,498	-6.2%
50.6%	23,654	21,269	-2,385	-10.1%
51.9%	22,297	20,857	-1,440	-6.5%
53.1%	22,194	19,911	-2,282	-10.3%
54.3%	21,646	19,355	-2,291	-10.6%
55.6%	20,865	18,479	-2,386	-11.4%
56.8%	20,836	18,453	-2,383	-11.4%
58.0%	20,425	17,820	-2,606	-12.8%
59.3%	19,884	17,362	-2,522	-12.7%
60.5%	19,344	17,203	-2,142	-11.1%
61.7%	19,336	16,846	-2,490	-12.9%
63.0%	18,787	16,709	-2,079	-11.1%
64.2%	18,276	16,203	-2,073	-11.3%
65.4%	17,363	16,181	-1,182	-6.8%
66.7%	17,167	15,913	-1,254	-7.3%
67.9%	16,951	15,792	-1,159	-6.8%
69.1%	16,891	14,407	-2,484	-14.7%
70.4%	16,460	13,878	-2,582	-15.7%
71.6%	15,816	13,821	-1,995	-12.6%
72.8%	14,976	13,772	-1,204	-8.0%
74.1%	14,818	13,414	-1,403	-9.5%
75.3%	14,107	13,174	-933	-6.6%
76.5%	13,799	13,172	-627	-4.5%
77.8%	13,478	12,628	-851	-6.3%
79.0%	13,205	12,199	-1,006	-7.6%
80.2%	12,913	12,027	-886	-6.9%
81.5%	12,259	10,629	-1,630	-13.3%
82.7%	12,024	10,303	-1,721	-14.3%
84.0%	11,425	10,037	-1,388	-12.1%
85.2%	10,992	9,975	-1,018	-9.3%
86.4%	9,400	9,973	573	6.1%
87.7%	9,382	9,901	519	5.5%
88.9%	9,332	9,504	172	1.8%
90.1%	9,194	9,500	306	3.3%
91.4%	9,086	9,333	247	2.7%
92.6%	9,067	9,093	25	0.3%
93.8%	9,004	9,064	59	0.7%
95.1%	8,524	8,596	72	0.8%
96.3%	7,963	7,892	-70	-0.9%
97.5%	7,349	7,742	393	5.3%
98.8%	6,265	6,318	53	0.8%
100.0%	6,180	6,034	-146	-2.4%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	106,176	106,138	-39	0.0%
1.2%	94,412	94,420	9	0.0%
2.5%	89,715	86,244	-3,471	-3.9%
3.7%	60,451	60,444	-7	0.0%
4.9%	53,314	53,622	309	0.6%
6.2%	52,823	53,320	497	0.9%
7.4%	51,417	51,431	13	0.0%
8.6%	51,139	49,605	-1,534	-3.0%
9.9%	48,598	48,642	44	0.1%
11.1%	45,459	44,561	-898	-2.0%
12.3%	44,566	42,933	-1,632	-3.7%
13.6%	35,420	34,397	-1,024	-2.9%
14.8%	34,419	34,073	-347	-1.0%
16.0%	34,077	32,703	-1,373	-4.0%
17.3%	33,434	31,572	-1,861	-5.6%
18.5%	33,318	30,918	-2,400	-7.2%
19.8%	30,771	30,696	-75	-0.2%
21.0%	29,088	27,804	-1,284	-4.4%
22.2%	27,760	26,253	-1,507	-5.4%
23.5%	25,907	24,784	-1,124	-4.3%
24.7%	25,539	24,098	-1,441	-5.6%
25.9%	24,139	22,367	-1,772	-7.3%
27.2%	21,816	21,711	-105	-0.5%
28.4%	21,804	21,272	-532	-2.4%
29.6%	21,370	20,391	-978	-4.6%
30.9%	20,495	19,242	-1,253	-6.1%
32.1%	18,842	18,779	-63	-0.3%
33.3%	18,676	17,578	-1,098	-5.9%
34.6%	17,457	17,457	-1	0.0%
35.8%	16,528	16,488	-40	-0.2%
37.0%	16,016	15,625	-391	-2.4%
38.3%	14,786	14,593	-193	-1.3%
39.5%	13,074	13,212	138	1.1%
40.7%	12,906	12,927	22	0.2%
42.0%	12,863	12,743	-121	-0.9%
43.2%	11,488	11,566	78	0.7%
44.4%	11,148	11,534	386	3.5%
45.7%	11,068	11,175	107	1.0%
46.9%	10,987	11,029	42	0.4%
48.1%	10,745	10,920	175	1.6%
49.4%	10,702	10,576	-127	-1.2%
50.6%	10,648	10,541	-107	-1.0%
51.9%	10,195	10,346	151	1.5%
53.1%	10,034	10,114	80	0.8%
54.3%	10,005	9,974	-31	-0.3%
55.6%	9,893	9,972	80	0.8%
56.8%	9,600	9,912	311	3.2%
58.0%	9,480	9,834	354	3.7%
59.3%	9,420	9,485	65	0.7%
60.5%	9,249	9,350	102	1.1%
61.7%	9,198	9,338	140	1.5%
63.0%	9,137	9,249	111	1.2%
64.2%	8,992	9,119	127	1.4%
65.4%	8,918	8,977	58	0.7%
66.7%	8,729	8,954	225	2.6%
67.9%	8,564	8,947	383	4.5%
69.1%	8,530	8,873	343	4.0%
70.4%	8,434	8,768	334	4.0%
71.6%	8,421	8,576	155	1.8%
72.8%	8,399	8,563	164	2.0%
74.1%	8,397	8,537	141	1.7%
75.3%	8,387	8,450	63	0.8%
76.5%	8,321	8,430	108	1.3%
77.8%	8,174	8,375	202	2.5%
79.0%	8,139	8,345	207	2.5%
80.2%	8,120	8,292	172	2.1%
81.5%	7,986	8,135	149	1.9%
82.7%	7,757	7,626	-130	-1.7%
84.0%	7,427	7,488	61	0.8%
85.2%	7,329	7,393	64	0.9%
86.4%	7,122	7,045	-77	-1.1%
87.7%	6,866	6,928	62	0.9%
88.9%	6,863	6,897	34	0.5%
90.1%	6,712	6,789	77	1.1%
91.4%	6,662	6,614	-47	-0.7%
92.6%	6,424	6,408	-16	-0.3%
93.8%	6,369	6,385	15	0.2%
95.1%	6,359	6,363	3	0.1%
96.3%	6,212	6,359	147	2.4%
97.5%	5,842	5,857	14	0.2%
98.8%	5,124	5,126	2	0.0%
100.0%	4,861	4,812	-49	-1.0%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	45,294	43,553	-1,741	-3.8%
1.2%	32,051	31,960	-91	-0.3%
2.5%	31,642	31,798	156	0.5%
3.7%	27,014	27,018	4	0.0%
4.9%	26,252	26,057	-195	-0.7%
6.2%	22,960	22,817	-144	-0.6%
7.4%	21,930	19,985	-1,945	-8.9%
8.6%	20,128	19,902	-226	-1.1%
9.9%	16,836	15,913	-924	-5.5%
11.1%	16,016	15,414	-603	-3.8%
12.3%	15,666	14,826	-840	-5.4%
13.6%	15,014	14,315	-699	-4.7%
14.8%	14,244	14,110	-133	-0.9%
16.0%	13,793	13,824	31	0.2%
17.3%	13,628	13,687	58	0.4%
18.5%	12,128	10,561	-1,567	-12.9%
19.8%	10,218	10,112	-106	-1.0%
21.0%	10,168	10,097	-71	-0.7%
22.2%	10,050	9,972	-78	-0.8%
23.5%	9,859	9,706	-154	-1.6%
24.7%	9,809	9,578	-231	-2.4%
25.9%	9,748	9,492	-256	-2.6%
27.2%	9,474	9,464	-10	-0.1%
28.4%	9,195	9,289	94	1.0%
29.6%	9,094	9,177	84	0.9%
30.9%	9,081	8,730	-351	-3.9%
32.1%	9,028	8,600	-428	-4.7%
33.3%	8,825	8,543	-282	-3.2%
34.6%	8,626	8,417	-209	-2.4%
35.8%	8,498	8,025	-473	-5.6%
37.0%	8,092	7,939	-153	-1.9%
38.3%	7,956	7,892	-64	-0.8%
39.5%	7,928	7,838	-90	-1.1%
40.7%	7,921	7,832	-89	-1.1%
42.0%	7,920	7,823	-97	-1.2%
43.2%	7,832	7,718	-114	-1.5%
44.4%	7,816	7,715	-101	-1.3%
45.7%	7,801	7,693	-108	-1.4%
46.9%	7,772	7,663	-109	-1.4%
48.1%	7,711	7,626	-85	-1.1%
49.4%	7,568	7,588	20	0.3%
50.6%	7,544	7,478	-66	-0.9%
51.9%	7,540	7,446	-94	-1.2%
53.1%	7,460	7,363	-97	-1.3%
54.3%	7,451	7,361	-91	-1.2%
55.6%	7,276	7,316	39	0.5%
56.8%	7,220	7,299	78	1.1%
58.0%	7,176	7,267	91	1.3%
59.3%	7,153	7,237	84	1.2%
60.5%	7,151	7,174	23	0.3%
61.7%	7,052	7,161	109	1.5%
63.0%	7,016	7,146	130	1.8%
64.2%	6,958	7,123	165	2.4%
65.4%	6,913	7,076	163	2.4%
66.7%	6,897	7,024	127	1.8%
67.9%	6,854	6,938	85	1.2%
69.1%	6,811	6,883	72	1.1%
70.4%	6,722	6,830	108	1.6%
71.6%	6,682	6,726	44	0.7%
72.8%	6,512	6,690	178	2.7%
74.1%	6,489	6,679	190	2.9%
75.3%	6,455	6,455	0	0.0%
76.5%	6,448	6,452	4	0.1%
77.8%	6,446	6,431	-15	-0.2%
79.0%	6,438	6,400	-38	-0.6%
80.2%	6,415	6,378	-37	-0.6%
81.5%	6,388	6,257	-131	-2.1%
82.7%	6,313	6,180	-134	-2.1%
84.0%	6,087	6,102	15	0.2%
85.2%	6,050	6,097	47	0.8%
86.4%	6,037	6,080	43	0.7%
87.7%	6,004	5,990	-14	-0.2%
88.9%	5,896	5,977	81	1.4%
90.1%	5,586	5,957	371	6.6%
91.4%	5,490	5,896	407	7.4%
92.6%	5,409	5,594	185	3.4%
93.8%	5,148	5,268	120	2.3%
95.1%	5,078	5,214	136	2.7%
96.3%	4,122	4,571	448	10.9%
97.5%	4,032	3,866	-166	-4.1%
98.8%	3,559	3,665	106	3.0%
100.0%	3,113	3,227	114	3.7%

Table SW-32-b

Sacramento River at Rio Vista, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,325	27,087	762	2.9%
1.2%	11,158	12,999	1,840	16.5%
2.5%	10,662	10,035	-627	-5.9%
3.7%	9,686	9,491	-195	-2.0%
4.9%	9,491	9,434	-57	-0.6%
6.2%	8,791	9,187	396	4.5%
7.4%	8,734	8,843	109	1.2%
8.6%	8,660	8,763	103	1.2%
9.9%	8,241	8,668	428	5.2%
11.1%	8,217	8,305	88	1.1%
12.3%	8,216	8,265	49	0.6%
13.6%	8,126	8,241	115	1.4%
14.8%	8,025	8,126	101	1.3%
16.0%	7,980	8,117	137	1.7%
17.3%	7,780	8,034	254	3.3%
18.5%	7,760	8,018	258	3.3%
19.8%	7,630	7,977	347	4.5%
21.0%	7,526	7,780	254	3.4%
22.2%	7,474	7,630	156	2.1%
23.5%	7,467	7,467	0	0.0%
24.7%	7,454	7,454	0	0.0%
25.9%	7,444	7,405	-39	-0.5%
27.2%	7,416	7,402	-14	-0.2%
28.4%	7,328	7,329	1	0.0%
29.6%	7,195	7,310	114	1.6%
30.9%	7,195	7,285	91	1.3%
32.1%	7,186	7,274	88	1.2%
33.3%	7,167	7,206	40	0.6%
34.6%	7,136	7,196	60	0.8%
35.8%	7,121	7,195	74	1.0%
37.0%	7,107	7,186	79	1.1%
38.3%	7,068	7,167	98	1.4%
39.5%	7,036	7,163	127	1.8%
40.7%	7,022	7,160	138	2.0%
42.0%	6,986	7,150	164	2.4%
43.2%	6,984	7,140	156	2.2%
44.4%	6,979	7,113	134	1.9%
45.7%	6,867	7,106	239	3.5%
46.9%	6,862	7,070	208	3.0%
48.1%	6,849	7,062	213	3.1%
49.4%	6,696	7,054	358	5.4%
50.6%	6,678	7,050	372	5.6%
51.9%	6,618	7,016	398	6.0%
53.1%	6,565	6,936	371	5.7%
54.3%	6,528	6,867	339	5.2%
55.6%	6,483	6,824	341	5.3%
56.8%	6,472	6,785	314	4.8%
58.0%	6,413	6,768	355	5.5%
59.3%	6,403	6,750	346	5.4%
60.5%	6,378	6,748	371	5.8%
61.7%	6,306	6,715	409	6.5%
63.0%	6,305	6,665	360	5.7%
64.2%	6,223	6,638	414	6.7%
65.4%	6,181	6,600	419	6.8%
66.7%	6,115	6,587	472	7.7%
67.9%	6,071	6,456	386	6.4%
69.1%	6,068	6,413	345	5.7%
70.4%	6,049	6,400	351	5.8%
71.6%	6,001	6,324	323	5.4%
72.8%	5,999	6,305	307	5.1%
74.1%	5,996	6,305	309	5.2%
75.3%	5,965	6,288	322	5.4%
76.5%	5,887	6,163	276	4.7%
77.8%	5,870	6,145	276	4.7%
79.0%	5,860	6,112	251	4.3%
80.2%	5,850	6,019	169	2.9%
81.5%	5,563	5,995	432	7.8%
82.7%	5,538	5,811	274	4.9%
84.0%	5,535	5,796	260	4.7%
85.2%	5,464	5,698	234	4.3%
86.4%	5,418	5,654	236	4.3%
87.7%	5,398	5,537	139	2.6%
88.9%	5,326	5,418	92	1.7%
90.1%	5,171	5,412	241	4.7%
91.4%	5,162	5,362	200	3.9%
92.6%	4,776	4,968	192	4.0%
93.8%	4,773	4,955	182	3.8%
95.1%	4,240	4,773	533	12.6%
96.3%	3,457	4,334	877	25.4%
97.5%	3,327	3,356	29	0.9%
98.8%	3,096	3,350	253	8.2%
100.0%	2,983	3,327	343	11.5%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,538	19,802	5,264	36.2%
1.2%	14,488	14,599	111	0.8%
2.5%	14,480	14,529	49	0.3%
3.7%	14,439	14,476	37	0.3%
4.9%	14,402	14,441	39	0.3%
6.2%	14,395	14,433	38	0.3%
7.4%	14,390	14,402	12	0.1%
8.6%	14,364	14,390	27	0.2%
9.9%	14,350	14,385	35	0.2%
11.1%	14,345	14,350	5	0.0%
12.3%	14,317	14,350	33	0.2%
13.6%	14,307	14,336	28	0.2%
14.8%	14,225	14,335	110	0.8%
16.0%	14,221	14,335	113	0.8%
17.3%	14,017	14,334	318	2.3%
18.5%	13,906	14,332	426	3.1%
19.8%	13,893	14,317	424	3.1%
21.0%	13,827	14,277	450	3.3%
22.2%	13,826	14,192	367	2.7%
23.5%	13,824	14,102	279	2.0%
24.7%	13,810	14,012	203	1.5%
25.9%	13,792	14,011	219	1.6%
27.2%	13,775	13,922	146	1.1%
28.4%	13,773	13,883	110	0.8%
29.6%	13,609	13,861	252	1.8%
30.9%	13,478	13,817	340	2.5%
32.1%	13,124	13,712	588	4.5%
33.3%	13,091	13,683	592	4.5%
34.6%	12,971	13,386	415	3.2%
35.8%	12,966	13,383	418	3.2%
37.0%	12,947	13,285	338	2.6%
38.3%	12,924	13,183	259	2.0%
39.5%	12,922	13,132	210	1.6%
40.7%	12,875	12,994	118	0.9%
42.0%	12,822	12,822	1	0.0%
43.2%	12,714	12,601	-113	-0.9%
44.4%	12,639	12,559	-80	-0.6%
45.7%	12,562	12,173	-389	-3.1%
46.9%	12,199	12,090	-108	-0.9%
48.1%	12,115	12,081	-33	-0.3%
49.4%	11,956	12,025	68	0.6%
50.6%	11,772	11,957	185	1.6%
51.9%	11,765	11,765	0	0.0%
53.1%	11,743	11,723	-21	-0.2%
54.3%	11,696	11,710	14	0.1%
55.6%	11,676	11,662	-14	-0.1%
56.8%	11,460	11,435	-25	-0.2%
58.0%	11,458	11,418	-40	-0.4%
59.3%	11,456	11,417	-39	-0.3%
60.5%	11,427	11,398	-29	-0.3%
61.7%	11,374	11,383	8	0.1%
63.0%	11,296	11,255	-41	-0.4%
64.2%	11,206	11,163	-43	-0.4%
65.4%	10,996	11,116	120	1.1%
66.7%	10,810	11,084	274	2.5%
67.9%	10,740	10,999	259	2.4%
69.1%	10,721	10,738	18	0.2%
70.4%	10,653	10,665	12	0.1%
71.6%	10,564	10,210	-354	-3.3%
72.8%	10,389	10,209	-179	-1.7%
74.1%	9,962	10,081	120	1.2%
75.3%	8,544	9,489	945	11.1%
76.5%	8,130	9,419	1,289	15.9%
77.8%	8,123	9,419	1,296	16.0%
79.0%	8,100	9,097	998	12.3%
80.2%	7,703	8,954	1,251	16.2%
81.5%	7,155	8,813	1,658	23.2%
82.7%	7,091	8,153	1,062	15.0%
84.0%	7,070	8,099	1,029	14.6%
85.2%	6,958	7,817	859	12.3%
86.4%	6,746	7,638	892	13.2%
87.7%	6,670	7,276	606	9.1%
88.9%	6,614	6,967	353	5.3%
90.1%	6,441	6,933	492	7.6%
91.4%	5,990	6,703	714	11.9%
92.6%	5,554	6,571	1,017	18.3%
93.8%	5,313	6,029	716	13.5%
95.1%	5,282	5,363	81	1.5%
96.3%	4,506	5,106	599	13.3%
97.5%	4,295	4,538	244	5.7%
98.8%	4,239	4,525	286	6.7%
100.0%	3,721	3,846	125	3.4%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,422	10,410	-12	-0.1%
1.2%	10,154	10,236	82	0.8%
2.5%	9,981	10,217	236	2.4%
3.7%	9,967	10,146	179	1.8%
4.9%	9,864	10,115	251	2.5%
6.2%	9,827	10,113	287	2.9%
7.4%	9,826	10,113	287	2.9%
8.6%	9,789	10,030	241	2.5%
9.9%	9,711	10,008	296	3.1%
11.1%	9,676	9,981	305	3.2%
12.3%	9,617	9,979	362	3.8%
13.6%	9,588	9,916	328	3.4%
14.8%	9,560	9,912	352	3.7%
16.0%	9,524	9,883	359	3.8%
17.3%	9,513	9,862	348	3.7%
18.5%	9,510	9,826	317	3.3%
19.8%	9,498	9,802	304	3.2%
21.0%	9,493	9,792	299	3.2%
22.2%	9,474	9,729	255	2.7%
23.5%	9,407	9,724	316	3.4%
24.7%	9,365	9,712	347	3.7%
25.9%	9,332	9,498	166	1.8%
27.2%	9,305	9,454	149	1.6%
28.4%	9,246	9,420	174	1.9%
29.6%	9,187	9,379	191	2.1%
30.9%	9,134	9,337	203	2.2%
32.1%	9,116	9,337	221	2.4%
33.3%	9,064	9,323	260	2.9%
34.6%	9,049	9,309	260	2.9%
35.8%	9,000	9,278	279	3.1%
37.0%	8,982	9,212	230	2.6%
38.3%	8,917	9,166	249	2.8%
39.5%	8,867	9,160	293	3.3%
40.7%	8,834	9,116	281	3.2%
42.0%	8,770	9,074	304	3.5%
43.2%	8,669	9,055	387	4.5%
44.4%	8,615	8,957	342	4.0%
45.7%	8,604	8,938	334	3.9%
46.9%	8,597	8,914	318	3.7%
48.1%	8,540	8,911	371	4.3%
49.4%	8,511	8,902	391	4.6%
50.6%	8,419	8,834	416	4.9%
51.9%	8,357	8,809	452	5.4%
53.1%	8,342	8,701	359	4.3%
54.3%	8,310	8,682	371	4.5%
55.6%	8,245	8,596	351	4.3%
56.8%	8,208	8,561	353	4.3%
58.0%	8,208	8,541	333	4.1%
59.3%	8,038	8,540	503	6.3%
60.5%	8,001	8,539	538	6.7%
61.7%	7,979	8,391	412	5.2%
63.0%	7,968	8,374	406	5.1%
64.2%	7,877	8,358	481	6.1%
65.4%	7,817	8,350	532	6.8%
66.7%	7,405	8,207	802	10.8%
67.9%	7,401	8,186	785	10.6%
69.1%	7,325	8,107	782	10.7%
70.4%	7,244	8,030	786	10.9%
71.6%	6,744	7,968	1,224	18.1%
72.8%	6,634	7,903	1,269	19.1%
74.1%	6,485	7,870	1,384	21.3%
75.3%	5,454	7,837	2,383	43.7%
76.5%	5,023	7,201	2,179	43.4%
77.8%	4,748	6,957	2,209	46.5%
79.0%	4,689	6,447	1,758	37.5%
80.2%	4,609	6,424	1,815	39.4%
81.5%	4,442	6,369	1,927	43.4%
82.7%	4,439	6,049	1,610	36.3%
84.0%	4,412	5,958	1,547	35.1%
85.2%	4,309	5,537	1,228	28.5%
86.4%	4,190	5,518	1,328	31.7%
87.7%	4,151	5,434	1,283	30.9%
88.9%	4,127	4,625	498	12.1%
90.1%	3,909	4,373	464	11.9%
91.4%	3,905	4,313	408	10.4%
92.6%	3,778	4,251	473	12.5%
93.8%	3,613	4,182	569	15.7%
95.1%	3,558	4,070	512	14.4%
96.3%	3,374	4,055	681	20.2%
97.5%	3,241	4,041	800	24.7%
98.8%	3,074	3,887	812	26.4%
100.0%	2,978	3,628	650	21.8%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,595	24,989	394	1.6%
1.2%	24,509	24,986	477	1.9%
2.5%	24,285	24,374	89	0.4%
3.7%	23,896	24,302	406	1.7%
4.9%	23,379	24,242	863	3.7%
6.2%	23,370	24,146	776	3.3%
7.4%	22,969	23,781	812	3.5%
8.6%	22,874	23,608	734	3.2%
9.9%	22,630	23,573	943	4.2%
11.1%	22,486	23,506	1,019	4.5%
12.3%	22,455	23,471	1,016	4.5%
13.6%	22,172	23,274	1,103	5.0%
14.8%	21,983	22,451	468	2.1%
16.0%	21,223	21,468	246	1.2%
17.3%	20,777	21,040	263	1.3%
18.5%	15,316	16,291	975	6.4%
19.8%	15,286	15,786	500	3.3%
21.0%	15,261	15,665	403	2.6%
22.2%	14,771	15,340	569	3.8%
23.5%	14,728	14,794	66	0.4%
24.7%	14,073	14,551	478	3.4%
25.9%	13,825	14,172	346	2.5%
27.2%	13,761	14,169	408	3.0%
28.4%	13,719	14,102	383	2.8%
29.6%	13,653	14,056	403	3.0%
30.9%	13,622	14,014	392	2.9%
32.1%	13,530	13,682	152	1.1%
33.3%	13,104	13,371	268	2.0%
34.6%	13,050	13,328	278	2.1%
35.8%	12,633	12,966	334	2.6%
37.0%	11,796	12,188	392	3.3%
38.3%	11,506	12,107	601	5.2%
39.5%	11,056	11,598	542	4.9%
40.7%	9,831	10,263	432	4.4%
42.0%	9,604	10,217	613	6.4%
43.2%	8,488	9,645	1,157	13.6%
44.4%	8,337	9,359	1,022	12.3%
45.7%	8,204	9,140	936	11.4%
46.9%	8,199	9,109	910	11.1%
48.1%	8,147	9,073	926	11.4%
49.4%	7,953	9,044	1,091	13.7%
50.6%	7,938	8,957	1,019	12.8%
51.9%	7,669	8,902	1,233	16.1%
53.1%	7,632	8,809	1,177	15.4%
54.3%	7,519	8,750	1,231	16.4%
55.6%	7,511	8,598	1,086	14.5%
56.8%	7,360	8,446	1,086	14.8%
58.0%	7,229	8,328	1,099	15.2%
59.3%	7,197	8,234	1,037	14.4%
60.5%	7,164	8,222	1,057	14.8%
61.7%	7,091	8,137	1,046	14.7%
63.0%	6,857	8,132	1,276	18.6%
64.2%	6,615	8,036	1,420	21.5%
65.4%	6,491	7,878	1,387	21.4%
66.7%	6,463	7,615	1,152	17.8%
67.9%	5,679	7,610	1,932	34.0%
69.1%	5,631	7,540	1,909	33.9%
70.4%	5,316	7,534	2,217	41.7%
71.6%	5,288	7,419	2,132	40.3%
72.8%	5,261	7,360	2,099	39.9%
74.1%	5,164	7,252	2,088	40.4%
75.3%	5,141	7,145	2,003	39.0%
76.5%	5,028	7,051	2,023	40.2%
77.8%	5,009	6,841	1,832	36.6%
79.0%	4,993	6,662	1,669	33.4%
80.2%	4,941	6,655	1,715	34.7%
81.5%	4,721	6,511	1,790	37.9%
82.7%	4,409	6,152	1,744	39.6%
84.0%	4,219	6,138	1,919	45.5%
85.2%	4,218	6,096	1,879	44.5%
86.4%	4,191	5,990	1,799	42.9%
87.7%	4,113	5,950	1,836	44.6%
88.9%	3,923	5,671	1,748	44.6%
90.1%	3,878	5,550	1,673	43.1%
91.4%	3,858	4,752	894	23.2%
92.6%	3,602	4,550	948	26.3%
93.8%	3,375	4,357	982	29.1%
95.1%	3,092	4,266	1,174	38.0%
96.3%	3,021	3,969	948	31.4%
97.5%	3,000	3,931	931	31.0%
98.8%	3,000	3,653	653	21.8%
100.0%	3,000	3,267	267	8.9%

Figure SW-33-b
Sacramento/San Joaquin River Delta, Monthly Outflow
Probability of Exceedance

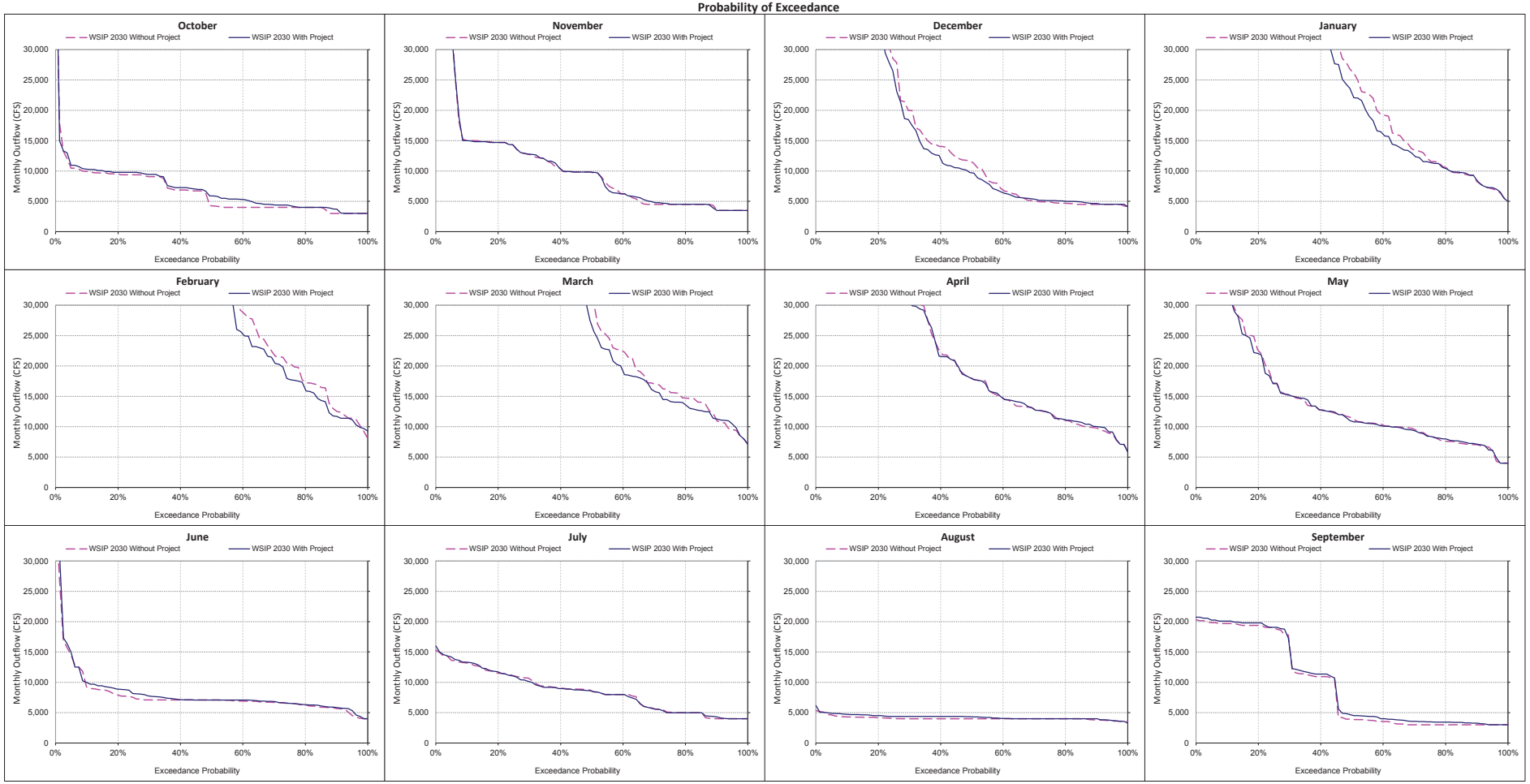


Table SW-33-b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Outflow (CFS)	WSIP 2030 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	51,285	54,915	3,630	7.1%
1.2%	17,909	14,961	-2,948	-16.5%
2.5%	13,281	13,281	0	0.0%
3.7%	12,010	12,997	986	8.2%
4.9%	10,469	10,938	469	4.5%
6.2%	10,469	10,923	454	4.3%
7.4%	10,313	10,703	390	3.8%
8.6%	10,000	10,390	390	3.9%
9.9%	9,922	10,312	390	3.9%
11.1%	9,844	10,234	390	4.0%
12.3%	9,692	10,234	542	5.6%
13.6%	9,688	10,078	390	4.0%
14.8%	9,688	10,078	390	4.0%
16.0%	9,688	9,922	234	2.4%
17.3%	9,531	9,922	390	4.1%
18.5%	9,531	9,765	234	2.5%
19.8%	9,531	9,765	234	2.5%
21.0%	9,375	9,765	390	4.2%
22.2%	9,375	9,765	390	4.2%
23.5%	9,375	9,765	390	4.2%
24.7%	9,375	9,765	390	4.2%
25.9%	9,375	9,765	390	4.2%
27.2%	9,375	9,688	313	3.3%
28.4%	9,219	9,531	313	3.4%
29.6%	9,063	9,453	390	4.3%
30.9%	9,063	9,453	390	4.3%
32.1%	9,063	9,453	390	4.3%
33.3%	9,063	9,140	78	0.9%
34.6%	8,750	9,063	313	3.6%
35.8%	7,188	7,578	390	5.4%
37.0%	7,031	7,422	390	5.6%
38.3%	6,875	7,265	390	5.7%
39.5%	6,875	7,265	390	5.7%
40.7%	6,875	7,265	390	5.7%
42.0%	6,875	7,265	390	5.7%
43.2%	6,719	7,109	390	5.8%
44.4%	6,719	7,055	336	5.0%
45.7%	6,719	6,953	234	3.5%
46.9%	6,719	6,953	234	3.5%
48.1%	6,250	6,640	390	6.2%
49.4%	4,285	5,890	1,606	37.5%
50.6%	4,230	5,890	1,660	39.2%
51.9%	4,173	5,822	1,649	39.5%
53.1%	4,072	5,516	1,444	35.5%
54.3%	4,000	5,512	1,512	37.8%
55.6%	4,000	5,390	1,390	34.8%
56.8%	4,000	5,390	1,390	34.8%
58.0%	4,000	5,361	1,361	34.0%
59.3%	4,000	5,350	1,350	33.7%
60.5%	4,000	5,291	1,291	32.3%
61.7%	4,000	5,125	1,125	28.1%
63.0%	4,000	4,926	926	23.2%
64.2%	4,000	4,668	668	16.7%
65.4%	4,000	4,660	660	16.5%
66.7%	4,000	4,527	527	13.2%
67.9%	4,000	4,498	498	12.5%
69.1%	4,000	4,484	484	12.1%
70.4%	4,000	4,390	390	9.8%
71.6%	4,000	4,390	390	9.8%
72.8%	4,000	4,390	390	9.8%
74.1%	4,000	4,390	390	9.8%
75.3%	4,000	4,270	270	6.8%
76.5%	4,000	4,134	134	3.4%
77.8%	4,000	4,000	0	0.0%
79.0%	4,000	4,000	0	0.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	4,000	4,000	0	0.0%
85.2%	4,000	4,000	0	0.0%
86.4%	3,648	4,000	352	9.6%
87.7%	3,000	3,921	921	30.7%
88.9%	3,000	3,731	731	24.4%
90.1%	3,000	3,703	703	23.4%
91.4%	3,000	3,082	82	2.7%
92.6%	3,000	3,000	0	0.0%
93.8%	3,000	3,000	0	0.0%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Outflow (CFS)	WSIP 2030 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	73,874	68,051	-5,824	-7.9%
1.2%	57,849	55,200	-2,649	-4.6%
2.5%	52,789	53,701	912	1.7%
3.7%	40,090	43,943	3,853	9.6%
4.9%	35,399	33,594	-1,805	-5.1%
6.2%	25,796	25,821	25	0.1%
7.4%	18,145	18,870	725	4.0%
8.6%	15,270	15,000	-270	-1.8%
9.9%	15,000	15,000	0	0.0%
11.1%	15,000	14,964	-36	-0.2%
12.3%	15,000	14,844	-156	-1.0%
13.6%	14,964	14,844	-121	-0.8%
14.8%	14,844	14,844	0	0.0%
16.0%	14,844	14,844	0	0.0%
17.3%	14,844	14,688	-156	-1.1%
18.5%	14,688	14,688	0	0.0%
19.8%	14,688	14,688	0	0.0%
21.0%	14,688	14,688	0	0.0%
22.2%	14,688	14,688	0	0.0%
23.5%	14,375	14,375	0	0.0%
24.7%	14,332	14,332	0	0.0%
25.9%	13,585	13,585	0	0.0%
27.2%	13,051	13,051	0	0.0%
28.4%	12,888	12,888	0	0.0%
29.6%	12,756	12,758	2	0.0%
30.9%	12,631	12,756	125	1.0%
32.1%	12,246	12,631	384	3.1%
33.3%	12,169	12,169	0	0.0%
34.6%	12,095	12,054	-41	-0.3%
35.8%	11,619	11,629	10	0.1%
37.0%	11,302	11,619	317	2.8%
38.3%	10,700	11,302	602	5.6%
39.5%	10,542	10,542	0	0.0%
40.7%	9,922	10,000	78	0.8%
42.0%	9,844	9,922	78	0.8%
43.2%	9,844	9,922	78	0.8%
44.4%	9,844	9,844	0	0.0%
45.7%	9,844	9,844	0	0.0%
46.9%	9,844	9,844	0	0.0%
48.1%	9,844	9,844	0	0.0%
49.4%	9,844	9,844	0	0.0%
50.6%	9,688	9,795	107	1.1%
51.9%	9,688	9,688	0	0.0%
53.1%	8,999	8,910	-89	-1.0%
54.3%	8,145	7,438	-707	-8.7%
55.6%	7,470	6,698	-772	-10.3%
56.8%	7,149	6,398	-751	-10.5%
58.0%	6,900	6,354	-546	-7.9%
59.3%	6,277	6,250	-27	-0.4%
60.5%	6,250	6,218	-32	-0.5%
61.7%	6,092	5,871	-221	-3.6%
63.0%	5,598	5,844	246	4.4%
64.2%	5,412	5,722	310	5.7%
65.4%	4,871	5,584	712	14.6%
66.7%	4,563	5,271	708	15.5%
67.9%	4,500	5,072	572	12.7%
69.1%	4,500	4,942	442	9.8%
70.4%	4,500	4,756	256	5.7%
71.6%	4,500	4,753	253	5.6%
72.8%	4,500	4,673	173	3.8%
74.1%	4,500	4,657	157	3.5%
75.3%	4,500	4,500	0	0.0%
76.5%	4,500	4,500	0	0.0%
77.8%	4,500	4,500	0	0.0%
79.0%	4,500	4,500	0	0.0%
80.2%	4,500	4,500	0	0.0%
81.5%	4,500	4,500	0	0.0%
82.7%	4,500	4,500	0	0.0%
84.0%	4,500	4,500	0	0.0%
85.2%	4,500	4,500	0	0.0%
86.4%	4,500	4,500	0	0.0%
87.7%	4,500	4,450	-50	-1.1%
88.9%	4,332	3,936	-396	-9.1%
90.1%	3,500	3,500	0	0.0%
91.4%	3,500	3,500	0	0.0%
92.6%	3,500	3,500	0	0.0%
93.8%	3,500	3,500	0	0.0%
95.1%	3,500	3,500	0	0.0%
96.3%	3,500	3,500	0	0.0%
97.5%	3,500	3,500	0	0.0%
98.8%	3,500	3,500	0	0.0%
100.0%	3,500	3,500	0	0.0%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Outflow (CFS)	WSIP 2030 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	172,053	171,946	-106	-0.1%
1.2%	143,403	138,912	-4,491	-3.1%
2.5%	123,042	121,023	-2,019	-1.6%
3.7%	110,476	111,395	919	0.8%
4.9%	107,748	105,926	-1,821	-1.7%
6.2%	96,981	91,740	-5,241	-5.4%
7.4%	90,367	87,912	-2,455	-2.7%
8.6%	84,147	84,603	457	0.5%
9.9%	81,265	82,783	1,519	1.9%
11.1%	77,454	77,315	-139	-0.2%
12.3%	60,669	56,618	-4,051	-6.7%
13.6%	52,932	51,708	-1,224	-2.3%
14.8%	39,738	38,608	-1,130	-2.8%
16.0%	39,490	38,157	-1,334	-3.4%
17.3%	39,391	35,699	-3,692	-9.4%
18.5%	38,320	35,421	-2,899	-7.6%
19.8%	37,374	34,951	-2,423	-6.5%
21.0%	36,260	33,461	-2,800	-7.7%
22.2%	34,008	29,412	-4,597	-13.5%
23.5%	30,496	27,832	-2,664	-8.7%
24.7%	28,514	26,504	-2,009	-7.0%
25.9%	27,836	23,124	-4,712	-16.9%
27.2%	21,587	21,321	-267	-1.2%
28.4%	21,426	18,638	-2,788	-13.0%
29.6%	19,977	18,471	-1,506	-7.5%
30.9%	19,950	17,445	-2,504	-12.6%
32.1%	17,106	16,613	-493	-2.9%
33.3%	16,752	14,858	-1,894	-11.3%
34.6%	15,821	13,692	-2,129	-13.5%
35.8%	15,024	13,562	-1,462	-9.7%
37.0%	14,462	12,948	-1,514	-10.5%
38.3%	14,428	12,646	-1,782	-12.4%
39.5%	14,051	12,577	-1,474	-10.5%
40.7%	14,018	11,257	-2,761	-19.7%
42.0%	13,855	10,933	-2,922	-21.1%
43.2%	13,056	10,859	-2,197	-16.8%
44.4%	12,468	10,559	-1,909	-15.3%
45.7%	12,071	10,519	-1,552	-12.9%
46.9%	11,832	10,299	-1,533	-13.0%
48.1%	11,763	10,147	-1,615	-13.7%
49.4%	11,677	9,736	-1,941	-16.6%
50.6%	11,240	9,664	-1,576	-14.0%
51.9%	10,490	8,851	-1,639	-15.6%
53.1%	10,471	8,601	-1,870	-17.9%
54.3%	9,328	8,188	-1,140	-12.2%
55.6%	8,293	7,799	-494	-6.0%
56.8%	8,045	7,074	-971	-12.1%
58.0%	7,984	6,883	-1,101	-13.8%
59.3%	7,133	6,562	-571	-8.0%
60.5%	6,675	6,325	-350	-5.2%
61.7%	6,594	6,183	-411	-6.2%
63.0%	6,289	5,950	-339	-5.4%
64.2%	6,173	5,657	-516	-8.4%
65.4%	5,598	5,611	13	0.2%
66.7%	5,525	5,554	29	0.5%
67.9%	5,174	5,500	326	6.3%
69.1%	5,113	5,432	319	6.2%
70.4%	5,032	5,346	314	6.2%
71.6%	4,931	5,155	224	4.6%
72.8%	4,918	5,150	231	4.7%
74.1%	4,891	5,127	236	4.8%
75.3%	4,878	5,123	246	5.0%
76.5%	4,742	5,103	361	7.6%
77.8%	4,700	5,085	385	8.2%
79.0%	4,698	5,071	373	7.9%
80.2%	4,677	5,000	323	6.9%
81.5%	4,634	5,000	366	7.9%
82.7%	4,611	5,000	389	8.4%
84.0%	4,500	4,952	452	10.0%
85.2%	4,500	4,886	386	8.6%
86.4%	4,500	4,753	253	5.6%
87.7%	4,500	4,674	174	3.9%
88.9%	4,500	4,639	139	3.1%
90.1%	4,500	4,636	136	3.0%
91.4%	4,500	4,518	18	0.4%
92.6%	4,500	4,500	0	0.0%
93.8%	4,500	4,500	0	0.0%
95.1%	4,500	4,500	0	0.0%
96.3%	4,500	4,500	0	0.0%
97.5%	4,500	4,500	0	0.0%
98.8%	4,249	4,500	251	5.9%
100.0%	4,091	4,090	-1	0.0%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Outflow (CFS)	WSIP 2030 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	299,948	297,906	-2,042	-0.7%
1.2%	225,446	219,775	-5,671	-2.5%
2.5%	193,529	190,419	-3,110	-1.6%
3.7%	172,116	171,221	-894	-0.5%
4.9%	165,639	165,250	-389	-0.2%
6.2%	139,918	139,996	78	0.1%
7.4%	139,372	134,927	-4,445	-3.2%
8.6%	120,682	119,584	-1,098	-0.9%
9.9%	119,371	117,826	-1,545	-1.3%
11.1%	117,568	116,241	-1,327	-1.1%
12.3%	106,077	100,658	-5,420	-5.1%
13.6%	100,860	99,854	-1,006	-1.0%
14.8%	98,957	99,234	277	0.3%
16.0%	91,683	93,632	1,950	2.1%
17.3%	90,594	84,050	-6,544	-7.2%
18.5%	77,582	72,902	-4,680	-6.0%
19.8%	76,402	72,604	-3,798	-5.0%
21.0%	72,824	72,204	-619	-0.9%
22.2%	67,186	67,065	-121	-0.2%
23.5%	66,077	65,650	-427	-0.6%
24.7%	65,353	62,171	-3,182	-4.9%
25.9%	62,212	60,292	-1,920	-3.1%
27.2%	60,925	59,879	-1,046	-1.7%
28.4%	59,792	55,168	-4,624	-7.7%
29.6%	55,032	53,653	-1,379	-2.5%
30.9%	53,895	52,966	-928	-1.7%
32.1%	52,118	50,630	-1,488	-2.9%
33.3%	42,780	41,695	-1,086	-2.5%
34.6%	42,000	38,784	-3,216	-7.7%
35.8%	41,809	38,152	-3,657	-8.7%
37.0%	39,460	36,583	-2,876	-7.3%
38.3%	39,220	36,529	-2,691	-6.9%
39.5%	37,949	35,928	-2,021	-5.3%
40.7%	37,562	33,060	-4,502	-12.0%
42.0%	36,800	31,886	-4,914	-13.4%
43.2%	33,292	29,990	-3,302	-9.9%
44.4%	31,583	27,683	-3,900	-12.3%
45.7%	30,734	27,536	-3,198	-10.4%
46.9%	28,552	25,111	-3,441	-12.1%
48.1%	27,921	24,350	-3,571	-12.8%
49.4%	26,765	23,588	-3,177	-11.9%
50.6%	26,166	22,050	-4,116	-15.7%
51.9%	24,986	22,006	-2,980	-11.9%
53.1%	23,080	21,602	-1,478	-6.4%
54.3%	22,922	20,107	-2,814	-12.3%
55.6%	22,605	19,026	-3,579	-15.8%
56.8%	21,990	18,303	-3,687	-16.8%
58.0%	19,948	16,644	-3,304	-16.6%
59.3%	19,314	16,478	-2,836	-14.7%
60.5%	19,182	15,786	-3,396	-17.7%
61.7%	19,014	15,670	-3,344	-17.6%
63.0%	16,254	14,410	-1,844	-11.3%
64.2%	16,020	14,230	-1,789	-11.2%
65.4%	15,819	13,865	-1,953	-12.3%
66.7%	15,007	13,449	-1,557	-10.4%
67.9%	14,517	13,396	-1,122	-7.7%
69.1%	13,671	12,955	-717	-5.2%
70.4%	13,357	12,345	-1,012	-7.6%
71.6%	13,257	12,227	-1,029	-7.8%
72.8%	13,020	11,558	-1,461	-11.2%
74.1%	12,118	11,548	-570	-4.7%
75.3%	11,574	11,375	-198	-1.7%
76.5%	11,543	11,234	-309	-2.7%
77.8%	11,430	11,219	-211	-1.8%
79.0%	10,776	10,584	-192	-1.8%
80.2%	10,533	10,392	-141	-1.3%
81.5%	9,918	9,978	61	0.6%
82.7%	9,755	9,814	59	0.6%
84.0%	9,714	9,810	96	1.0%
85.2%	9,561	9,733	172	1.8%
86.4%	9,431	9,660	229	2.4%
87.7%	9,313	9,325	12	0.1%
88.9%	9,252	9,322	70	0.8%
90.1%	8,219	8,432	213	2.6%
91.4%	7,823	7,768	-55	-0.7%
92.6%	7,358	7,443	85	1.2%
93.8%	7,232	7,264	32	0.4%
95.1%	7,052	7,241	188	2.7%
96.3%	6,842	7,019	176	2.6%
97.5%	6,382	6,535	153	2.4%
98.8%	5,583	5,498	-85	-1.5%
100.0%	4,965	4,982	17	0.3%

Table SW-33-b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Outflow (CFS)	WSIP 2030 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	244,993	244,921	-72	0.0%
1.2%	243,749	241,709	-2,041	-0.8%
2.5%	225,272	219,940	-5,332	-2.4%
3.7%	206,805	207,015	210	0.1%
4.9%	190,017	190,898	881	0.5%
6.2%	187,438	187,322	-116	-0.1%
7.4%	167,461	162,394	-5,068	-3.0%
8.6%	163,137	159,603	-3,533	-2.2%
9.9%	158,467	155,839	-2,628	-1.7%
11.1%	146,685	144,705	-1,979	-1.3%
12.3%	142,680	141,613	-1,068	-0.7%
13.6%	135,069	134,935	-134	-0.1%
14.8%	116,593	116,769	176	0.2%
16.0%	115,670	113,109	-2,561	-2.2%
17.3%	110,135	110,126	-9	0.0%
18.5%	108,356	107,248	-1,108	-1.0%
19.8%	106,610	106,106	-505	-0.5%
21.0%	99,915	96,614	-3,301	-3.3%
22.2%	93,712	90,461	-3,251	-3.5%
23.5%	89,920	89,644	-277	-0.3%
24.7%	88,330	89,202	872	1.0%
25.9%	84,128	89,046	4,918	5.8%
27.2%	76,739	76,711	-28	0.0%
28.4%	76,490	74,165	-2,324	-3.0%
29.6%	76,117	73,277	-2,841	-3.7%
30.9%	70,327	66,436	-3,892	-5.5%
32.1%	68,234	64,467	-3,767	-5.5%
33.3%	66,523	64,302	-2,222	-3.3%
34.6%	64,913	62,938	-1,975	-3.0%
35.8%	64,321	61,265	-3,055	-4.7%
37.0%	62,265	59,147	-3,118	-5.0%
38.3%	59,953	58,811	-1,141	-1.9%
39.5%	58,609	57,168	-1,440	-2.5%
40.7%	57,813	55,932	-1,881	-3.3%
42.0%	51,133	50,276	-857	-1.7%
43.2%	49,557	48,773	-784	-1.6%
44.4%	49,382	46,608	-2,774	-5.6%
45.7%	46,188	46,161	-27	-0.1%
46.9%	45,136	44,202	-935	-2.1%
48.1%	44,199	43,423	-777	-1.8%
49.4%	42,603	41,183	-1,420	-3.3%
50.6%	40,383	36,843	-3,540	-8.8%
51.9%	38,480	34,578	-3,902	-10.1%
53.1%	36,454	34,382	-2,072	-5.7%
54.3%	36,294	33,927	-2,367	-6.5%
55.6%	33,303	33,213	-90	-0.3%
56.8%	32,258	30,288	-1,970	-6.1%
58.0%	30,383	26,038	-4,345	-14.3%
59.3%	29,162	25,664	-3,499	-12.0%
60.5%	28,598	24,954	-3,644	-12.7%
61.7%	27,901	24,922	-2,979	-10.7%
63.0%	27,746	23,217	-4,529	-16.3%
64.2%	26,120	23,207	-2,913	-11.2%
65.4%	24,450	22,965	-1,484	-6.1%
66.7%	24,420	22,766	-1,654	-6.8%
67.9%	23,384	21,633	-1,751	-7.5%
69.1%	22,505	21,457	-1,049	-4.7%
70.4%	21,612	20,397	-1,214	-5.6%
71.6%	21,491	20,270	-1,221	-5.7%
72.8%	21,427	19,808	-1,619	-7.6%
74.1%	20,489	17,929	-2,560	-12.5%
75.3%	20,326	17,728	-2,598	-12.8%
76.5%	19,843	17,626	-2,217	-11.2%
77.8%	19,765	17,489	-2,276	-11.5%
79.0%	17,723	17,354	-369	-2.1%
80.2%	17,214	15,899	-1,315	-7.6%
81.5%	17,214	15,779	-1,435	-8.3%
82.7%	17,058	15,524	-1,534	-9.0%
84.0%	16,891	14,624	-2,267	-13.4%
85.2%	16,442	14,290	-2,152	-13.1%
86.4%	16,387	14,112	-2,275	-13.9%
87.7%	13,824	12,265	-1,559	-11.3%
88.9%	12,996	11,762	-1,234	-9.5%
90.1%	12,513	11,669	-844	-6.7%
91.4%	12,359	11,400	-959	-7.8%
92.6%	11,879	11,400	-479	-4.0%
93.8%	11,400	11,400	0	0.0%
95.1%	11,400	11,145	-255	-2.2%
96.3%	11,145	10,265	-879	-7.9%
97.5%	10,174	9,885	-290	-2.8%
98.8%	9,215	9,688	474	5.1%
100.0%	8,049	9,281	1,233	15.3%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Outflow (CFS)	WSIP 2030 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	296,906	296,853	-53	0.0%
1.2%	244,331	239,409	-4,923	-2.0%
2.5%	206,470	206,412	-58	0.0%
3.7%	168,825	163,363	-5,461	-3.2%
4.9%	128,169	122,208	-5,961	-4.7%
6.2%	122,651	122,166	-485	-0.4%
7.4%	122,152	117,478	-4,674	-3.8%
8.6%	98,505	94,949	-3,555	-3.6%
9.9%	93,755	91,789	-1,966	-2.1%
11.1%	91,770	91,242	-527	-0.6%
12.3%	87,770	87,684	-86	-0.1%
13.6%	87,096	86,351	-745	-0.9%
14.8%	84,677	83,955	-722	-0.9%
16.0%	82,245	83,803	1,558	1.9%
17.3%	80,884	80,500	-384	-0.5%
18.5%	74,855	73,550	-1,305	-1.7%
19.8%	74,806	73,394	-1,412	-1.9%
21.0%	73,457	72,627	-830	-1.1%
22.2%	73,074	72,369	-705	-1.0%
23.5%	69,402	71,104	1,702	2.5%
24.7%	65,646	65,655	9	0.0%
25.9%	65,182	59,468	-5,715	-8.8%
27.2%	60,771	57,824	-2,947	-4.8%
28.4%	60,462	56,302	-4,160	-6.9%
29.6%	60,311	55,912	-4,399	-7.3%
30.9%	57,407	54,456	-2,951	-5.1%
32.1%	47,385	46,119	-1,266	-2.7%
33.3%	46,588	42,969	-3,619	-7.8%
34.6%	44,797	42,947	-1,850	-4.1%
35.8%	43,012	42,414	-598	-1.4%
37.0%	42,877	42,183	-693	-1.6%
38.3%	40,847	38,982	-1,865	-4.6%
39.5%	38,526	37,491	-1,035	-2.7%
40.7%	37,588	35,676	-1,912	-5.1%
42.0%	37,567	35,041	-2,525	-6.7%
43.2%	35,940	33,276	-2,663	-7.4%
44.4%	35,737	31,659	-4,079	-11.4%
45.7%	34,944	31,408	-3,536	-10.1%
46.9%	34,407	30,509	-3,898	-11.3%
48.1%	32,084	30,394	-1,690	-5.3%
49.4%	31,876	27,531	-4,344	-13.6%
50.6%	30,470	25,682	-4,788	-15.7%
51.9%	26,896	24,571	-2,325	-8.6%
53.1%	25,692	23,021	-2,671	-10.4%
54.3%	25,279	22,754	-2,526	-10.0%
55.6%	24,556	22,666	-1,889	-7.7%
56.8%	22,998	20,813	-2,184	-9.5%
58.0%	22,736	20,263	-2,472	-10.9%
59.3%	22,638	20,022	-2,616	-11.6%
60.5%	22,268	18,571	-3,697	-16.6%
61.7%	21,397	18,499	-2,898	-13.5%
63.0%	21,353	18,308	-3,045	-14.3%
64.2%	19,361	18,219	-1,142	-5.9%
65.4%	19,097	18,032	-1,065	-5.6%
66.7%	18,498	17,755	-743	-4.0%
67.9%	17,240	17,219	-20	-0.1%
69.1%	17,183	16,137	-1,047	-6.1%
70.4%	16,992	15,758	-1,234	-7.3%
71.6%	16,885	15,585	-1,300	-7.7%
72.8%	16,221	14,488	-1,733	-10.7%
74.1%	16,165	14,485	-1,680	-10.4%
75.3%	15,612	14,144	-1,469	-9.4%
76.5%	15,585	14,025	-1,559	-10.0%
77.8%	15,507	14,023	-1,484	-9.6%
79.0%	14,748	13,979	-769	-5.2%
80.2%	14,707	13,535	-1,172	-8.0%
81.5%	14,659	13,030	-1,629	-11.1%
82.7%	14,628	12,877	-1,751	-12.0%
84.0%	14,046	12,702	-1,344	-9.6%
85.2%	14,022	12,647	-1,374	-9.8%
86.4%	13,719	12,475	-1,244	-9.1%
87.7%	12,618	12,462	-156	-1.2%
88.9%	12,177	11,400	-777	-6.4%
90.1%	10,938	11,250	313	2.9%
91.4%	10,706	11,094	387	3.6%
92.6%	10,625	11,051	426	4.0%
93.8%	9,674	10,938	1,264	13.1%
95.1%	9,531	10,444	912	9.6%
96.3%	9,375	9,814	439	4.7%
97.5%	8,432	8,514	83	1.0%
98.8%	7,923	7,978	55	0.7%
100.0%	7,100	7,100	0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Outflow (CFS)	WSIP 2030 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	147,944	147,759	-185	-0.1%
1.2%	137,898	137,065	-833	-0.6%
2.5%	109,438	105,894	-3,544	-3.2%
3.7%	80,944	80,936	-8	0.0%
4.9%	79,754	79,725	-29	0.0%
6.2%	75,937	75,964	28	0.0%
7.4%	72,654	72,661	7	0.0%
8.6%	71,179	72,067	888	1.2%
9.9%	70,732	69,010	-1,722	-2.4%
11.1%	68,067	68,003	-64	-0.1%
12.3%	66,615	63,674	-2,941	-4.4%
13.6%	55,863	55,514	-349	-0.6%
14.8%	55,587	52,736	-2,851	-5.1%
16.0%	51,428	51,297	-132	-0.3%
17.3%	49,950	49,946	-4	0.0%
18.5%	48,313	46,172	-2,141	-4.4%
19.8%	45,087	43,924	-1,163	-2.6%
21.0%	44,021	42,329	-1,692	-3.8%
22.2%	43,099	40,586	-2,514	-5.8%
23.5%	40,534	40,027	-508	-1.3%
24.7%	33,903	33,646	-257	-0.8%
25.9%	33,769	32,936	-833	-2.5%
27.2%	33,575	32,630	-945	-2.8%
28.4%	32,752	30,662	-2,090	-6.4%
29.6%	32,599	30,653	-1,946	-6.0%
30.9%	30,854	29,925	-929	-3.0%
32.1%	30,654	29,834	-819	-2.7%
33.3%	30,023	29,410	-613	-2.0%
34.6%	29,946	29,203	-744	-2.5%
35.8%	27,678	27,509	-169	-0.6%
37.0%	25,353	26,319	966	3.8%
38.3%	23,952	23,905	-47	-0.2%
39.5%	22,575	21,633	-942	-4.2%
40.7%	21,828	21,527	-301	-1.4%
42.0%	21,790	21,506	-284	-1.3%
43.2%	21,011	21,119	108	0.5%
44.4%	20,975	20,829	-146	-0.7%
45.7%	19,405	19,807	401	2.1%
46.9%	18,910	18,656	-254	-1.3%
48.1%	18,347	18,382	36	0.2%
49.4%	18,135	18,068	-67	-0.4%
50.6%	17,778	17,760	-18	-0.1%
51.9%	17,657	17,612	-45	-0.3%
53.1%	17,580	17,559	-21	-0.1%
54.3%	17,526	17,112	-415	-2.4%
55.6%	15,858	15,867	8	0.1%
56.8%	15,497	15,671	174	1.1%
58.0%	15,200	15,551	351	2.3%
59.3%	14,979	14,939	-40	-0.3%
60.5%	14,489	14,452	-37	-0.3%
61.7%	14,355	14,409	54	0.4%
63.0%	13,994	14,282	287	2.1%
64.2%	13,404	14,133	729	5.4%
65.4%	13,357	14,024	668	5.0%
66.7%	13,350	13,845	496	3.7%
67.9%	13,216	13,352	137	1.0%
69.1%	13,154	13,146	-7	-0.1%
70.4%	12,767	12,730	-38	-0.3%
71.6%	12,738	12,650	-89	-0.7%
72.8%	12,520	12,572	52	0.4%
74.1%	12,421	12,402	-19	-0.2%
75.3%	12,225	12,207	-18	-0.1%
76.5%	11,663	11,363	-301	-2.6%
77.8%	11,188	11,350	162	1.4%
79.0%	11,166	11,241	74	0.7%
80.2%	11,032	11,083	51	0.5%
81.5%	10,907	11,063	156	1.4%
82.7%	10,438	10,907	469	4.5%
84.0%	10,413	10,809	396	3.8%
85.2%	10,148	10,706	558	5.5%
86.4%	9,968	10,413	445	4.5%
87.7%	9,920	10,413	493	5.0%
88.9%	9,862	10,049	187	1.9%
90.1%	9,752	9,996	243	2.5%
91.4%	9,454	9,920	466	4.9%
92.6%	9,269	9,853	584	6.3%
93.8%	8,933	9,163	229	2.6%
95.1%	8,914	9,101	187	2.1%
96.3%	7,773	7,862	89	1.1%
97.5%	7,133	7,100	-33	-0.5%
98.8%	7,100	7,083	-17	-0.2%
100.0%	5,815	5,793	-22	-0.4%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Outflow (CFS)	WSIP 2030 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	71,763	69,806	-1,957	-2.7%
1.2%	63,828	63,663	-165	-0.3%
2.5%	46,842	46,532	-310	-0.7%
3.7%	45,300	45,239	-61	-0.1%
4.9%	41,418	41,264	-153	-0.4%
6.2%	38,558	38,738	180	0.5%
7.4%	36,286	35,968	-318	-0.9%
8.6%	33,071	33,171	100	0.3%
9.9%	33,030	32,843	-186	-0.6%
11.1%	31,030	30,822	-209	-0.7%
12.3%	29,477	28,998	-479	-1.6%
13.6%	28,197	28,079	-119	-0.4%
14.8%	27,627	25,291	-2,336	-8.5%
16.0%	25,100	24,977	-123	-0.5%
17.3%	25,099	24,599	-499	-2.0%
18.5%	24,883	22,195	-2,688	-10.8%
19.8%	22,667	22,067	-600	-2.6%
21.0%	21,969	21,836	-133	-0.6%
22.2%	20,191	18,768	-1,423	-7.0%
23.5%	19,133	18,386	-747	-3.9%
24.7%	17,191	17,068	-122	-0.7%
25.9%	17,176	17,065	-111	-0.6%
27.2%	15,720	15,545	-174	-1.1%
28.4%	15,440	15,350	-90	-0.6%
29.6%	15,167	15,263	95	0.6%
30.9%	15,119	15,036	-83	-0.5%
32.1%	14,727	14,910	183	1.2%
33.3%	14,644	14,704	61	0.4%
34.6%	14,466	14,665	199	1.4%
35.8%	13,502	14,418	916	6.8%
37.0%	13,385	13,393	8	0.1%
38.3%	13,291	13,392	101	0.8%
39.5%	12,832	12,737	-95	-0.7%
40.7%	12,634	12,736	102	0.8%
42.0%	12,518	12,545	27	0.2%
43.2%	12,436	12,531	94	0.8%
44.4%	12,229	12,403	174	1.4%
45.7%	12,077	11,979	-98	-0.8%
46.9%	11,971	11,973	2	0.0%
48.1%	11,720	11,527	-193	-1.6%
49.4%	11,559	11,019	-540	-4.7%
50.6%	11,171	10,806	-366	-3.3%
51.9%	10,855	10,766	-89	-0.8%
53.1%	10,770	10,721	-49	-0.5%
54.3%	10,740	10,591	-149	-1.4%
55.6%	10,607	10,548	-58	-0.6%
56.8%	10,570	10,472	-98	-0.9%
58.0%	10,471	10,374	-97	-0.9%
59.3%	10,407	10,157	-250	-2.4%
60.5%	10,141	10,080	-61	-0.6%
61.7%	10,080	10,067	-13	-0.1%
63.0%	10,031	9,937	-94	-0.9%
64.2%	9,956	9,923	-34	-0.3%
65.4%	9,955	9,859	-96	-1.0%
66.7%	9,870	9,613	-258	-2.6%
67.9%	9,801	9,517	-284	-2.9%
69.1%	9,729	9,478	-251	-2.6%
70.4%	9,478	9,287	-191	-2.0%
71.6%	9,078	8,979	-98	-1.1%
72.8%	9,032	8,881	-151	-1.7%
74.1%	8,586	8,440	-146	-1.7%
75.3%	8,449	8,372	-78	-0.9%
76.5%	8,235	8,156	-79	-1.0%
77.8%	7,908	8,143	235	3.0%
79.0%	7,600	8,014	415	5.5%
80.2%	7,591	7,967	376	5.0%
81.5%	7,563	7,728	165	2.2%
82.7%	7,555	7,675	120	1.6%
84.0%	7,291	7,668	377	5.2%
85.2%	7,239	7,539	300	4.1%
86.4%	7,127	7,398	271	3.8%
87.7%	7,100	7,239	139	2.0%
88.9%	7,067	7,227	160	2.3%
90.1%	7,031	7,100	69	1.0%
91.4%	6,870	7,031	161	2.4%
92.6%	6,719	6,875	156	2.3%
93.8%	6,655	6,184	-471	-7.1%
95.1%	6,043	6,114	71	1.2%
96.3%	4,317	4,833	517	12.0%
97.5%	4,008	4,000	-8	-0.2%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

Table SW-33-b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Outflow (CFS)	WSIP 2030 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	38,493	39,261	768	2.0%
1.2%	27,087	31,174	4,087	15.1%
2.5%	16,886	17,324	438	2.6%
3.7%	15,690	16,380	690	4.4%
4.9%	14,518	15,000	482	3.3%
6.2%	12,837	12,534	-303	-2.4%
7.4%	12,525	12,525	0	0.0%
8.6%	11,840	10,261	-1,579	-13.3%
9.9%	9,224	9,998	774	8.4%
11.1%	8,979	9,707	728	8.1%
12.3%	8,931	9,704	773	8.7%
13.6%	8,802	9,450	648	7.4%
14.8%	8,740	9,448	709	8.1%
16.0%	8,687	9,278	592	6.8%
17.3%	8,483	9,172	690	8.1%
18.5%	8,126	9,032	906	11.2%
19.8%	7,925	8,870	945	11.9%
21.0%	7,727	8,838	1,110	14.4%
22.2%	7,722	8,813	1,091	14.1%
23.5%	7,700	8,687	987	12.8%
24.7%	7,545	8,165	620	8.2%
25.9%	7,243	8,107	864	11.9%
27.2%	7,243	8,050	807	11.1%
28.4%	7,100	7,958	858	12.1%
29.6%	7,100	7,774	674	9.5%
30.9%	7,100	7,700	600	8.5%
32.1%	7,100	7,642	542	7.6%
33.3%	7,100	7,573	473	6.7%
34.6%	7,100	7,522	422	5.9%
35.8%	7,100	7,370	270	3.8%
37.0%	7,100	7,342	242	3.4%
38.3%	7,100	7,243	143	2.0%
39.5%	7,100	7,152	52	0.7%
40.7%	7,100	7,126	26	0.4%
42.0%	7,100	7,120	20	0.3%
43.2%	7,100	7,105	5	0.1%
44.4%	7,100	7,100	0	0.0%
45.7%	7,100	7,100	0	0.0%
46.9%	7,100	7,100	0	0.0%
48.1%	7,100	7,100	0	0.0%
49.4%	7,100	7,100	0	0.0%
50.6%	7,100	7,100	0	0.0%
51.9%	7,100	7,100	0	0.0%
53.1%	7,064	7,100	36	0.5%
54.3%	7,057	7,100	43	0.6%
55.6%	7,046	7,100	54	0.8%
56.8%	6,974	7,100	126	1.8%
58.0%	6,938	7,100	162	2.3%
59.3%	6,923	7,100	177	2.6%
60.5%	6,906	7,094	188	2.7%
61.7%	6,875	7,070	195	2.8%
63.0%	6,875	7,046	171	2.5%
64.2%	6,875	7,004	129	1.9%
65.4%	6,780	6,906	125	1.8%
66.7%	6,765	6,896	131	1.9%
67.9%	6,719	6,878	159	2.4%
69.1%	6,710	6,875	165	2.5%
70.4%	6,692	6,811	119	1.8%
71.6%	6,656	6,667	10	0.2%
72.8%	6,588	6,656	69	1.0%
74.1%	6,563	6,575	13	0.2%
75.3%	6,555	6,513	-42	-0.6%
76.5%	6,492	6,463	-29	-0.4%
77.8%	6,374	6,447	73	1.1%
79.0%	6,270	6,356	86	1.4%
80.2%	6,250	6,315	65	1.0%
81.5%	6,094	6,258	164	2.7%
82.7%	6,085	6,250	165	2.7%
84.0%	5,921	6,233	312	5.3%
85.2%	5,901	6,094	193	3.3%
86.4%	5,887	6,003	116	2.0%
87.7%	5,821	5,940	119	2.0%
88.9%	5,818	5,917	100	1.7%
90.1%	5,673	5,818	145	2.6%
91.4%	5,640	5,745	105	1.9%
92.6%	5,571	5,722	151	2.7%
93.8%	5,054	5,683	629	12.4%
95.1%	4,517	5,327	810	17.9%
96.3%	4,248	4,585	337	7.9%
97.5%	4,075	4,368	292	7.2%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Outflow (CFS)	WSIP 2030 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,311	15,994	683	4.5%
1.2%	14,916	15,009	93	0.6%
2.5%	14,327	14,586	259	1.8%
3.7%	14,314	14,347	32	0.2%
4.9%	13,635	14,185	549	4.0%
6.2%	13,536	13,773	237	1.8%
7.4%	13,358	13,618	260	1.9%
8.6%	13,271	13,347	76	0.6%
9.9%	13,196	13,333	138	1.0%
11.1%	13,088	13,234	146	1.1%
12.3%	12,784	13,116	333	2.6%
13.6%	12,673	12,846	173	1.4%
14.8%	12,638	12,341	-298	-2.4%
16.0%	11,993	12,250	258	2.1%
17.3%	11,881	11,955	74	0.6%
18.5%	11,816	11,828	12	0.1%
19.8%	11,523	11,725	202	1.8%
21.0%	11,477	11,490	12	0.1%
22.2%	11,375	11,390	15	0.1%
23.5%	11,301	11,142	-159	-1.4%
24.7%	11,111	11,070	-41	-0.4%
25.9%	10,950	10,867	-83	-0.8%
27.2%	10,872	10,416	-456	-4.2%
28.4%	10,722	10,367	-355	-3.3%
29.6%	10,708	10,166	-541	-5.1%
30.9%	10,312	10,007	-305	-3.0%
32.1%	9,780	9,572	-208	-2.1%
33.3%	9,450	9,394	-56	-0.6%
34.6%	9,356	9,196	-160	-1.7%
35.8%	9,292	9,163	-129	-1.4%
37.0%	9,245	9,156	-89	-1.0%
38.3%	9,133	9,117	-16	-0.2%
39.5%	9,089	8,955	-133	-1.5%
40.7%	9,010	8,954	-57	-0.6%
42.0%	8,936	8,889	-47	-0.5%
43.2%	8,900	8,886	-13	-0.1%
44.4%	8,891	8,744	-147	-1.7%
45.7%	8,866	8,739	-126	-1.4%
46.9%	8,855	8,725	-130	-1.5%
48.1%	8,777	8,656	-121	-1.4%
49.4%	8,722	8,639	-82	-0.9%
50.6%	8,417	8,452	35	0.4%
51.9%	8,362	8,392	31	0.4%
53.1%	8,192	8,183	-9	-0.1%
54.3%	8,000	8,000	0	0.0%
55.6%	8,000	8,000	0	0.0%
56.8%	8,000	8,000	0	0.0%
58.0%	8,000	8,000	0	0.0%
59.3%	8,000	8,000	0	0.0%
60.5%	8,000	8,000	0	0.0%
61.7%	8,000	7,624	-376	-4.7%
63.0%	7,751	7,439	-312	-4.0%
64.2%	7,642	7,196	-446	-5.8%
65.4%	6,500	6,500	0	0.0%
66.7%	6,032	6,052	20	0.3%
67.9%	5,858	5,894	37	0.6%
69.1%	5,797	5,707	-89	-1.5%
70.4%	5,570	5,581	11	0.2%
71.6%	5,545	5,526	-19	-0.4%
72.8%	5,473	5,313	-161	-2.9%
74.1%	5,107	5,001	-106	-2.1%
75.3%	5,067	5,000	-67	-1.3%
76.5%	5,000	5,000	0	0.0%
77.8%	5,000	5,000	0	0.0%
79.0%	5,000	5,000	0	0.0%
80.2%	5,000	5,000	0	0.0%
81.5%	5,000	5,000	0	0.0%
82.7%	5,000	5,000	0	0.0%
84.0%	5,000	5,000	0	0.0%
85.2%	5,000	5,000	0	0.0%
86.4%	4,168	4,470	301	7.2%
87.7%	4,071	4,438	368	9.0%
88.9%	4,000	4,369	369	9.2%
90.1%	4,000	4,312	312	7.8%
91.4%	4,000	4,122	122	3.0%
92.6%	4,000	4,057	57	1.4%
93.8%	4,000	4,000	0	0.0%
95.1%	4,000	4,000	0	0.0%
96.3%	4,000	4,000	0	0.0%
97.5%	4,000	4,000	0	0.0%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Outflow (CFS)	WSIP 2030 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,354	6,185	831	15.5%
1.2%	5,175	5,081	-94	-1.8%
2.5%	5,088	5,048	-41	-0.8%
3.7%	4,677	4,995	318	6.8%
4.9%	4,652	4,893	241	5.2%
6.2%	4,449	4,875	427	9.6%
7.4%	4,423	4,856	433	9.8%
8.6%	4,312	4,765	453	10.5%
9.9%	4,304	4,719	415	9.6%
11.1%	4,285	4,689	404	9.4%
12.3%	4,273	4,676	403	9.4%
13.6%	4,257	4,665	408	9.6%
14.8%	4,253	4,652	399	9.4%
16.0%	4,245	4,641	396	9.3%
17.3%	4,242	4,619	377	8.9%
18.5%	4,237	4,517	281	6.6%
19.8%	4,157	4,506	349	8.4%
21.0%	4,152	4,491	339	8.2%
22.2%	4,124	4,423	299	7.2%
23.5%	4,088	4,390	303	7.4%
24.7%	4,038	4,390	352	8.7%
25.9%	4,016	4,390	374	9.3%
27.2%	4,007	4,390	383	9.6%
28.4%	4,000	4,390	390	9.8%
29.6%	4,000	4,390	390	9.8%
30.9%	4,000	4,390	390	9.8%
32.1%	4,000	4,390	390	9.8%
33.3%	4,000	4,390	390	9.8%
34.6%	4,000	4,390	390	9.8%
35.8%	4,000	4,390	390	9.8%
37.0%	4,000	4,390	390	9.8%
38.3%	4,000	4,390	390	9.8%
39.5%	4,000	4,390	390	9.8%
40.7%	4,000	4,390	390	9.8%
42.0%	4,000	4,390	390	9.8%
43.2%	4,000	4,390	390	9.8%
44.4%	4,000	4,390	390	9.8%
45.7%	4,000	4,390	390	9.8%
46.9%	4,000	4,390	390	9.8%
48.1%	4,000	4,341	341	8.5%
49.4%	4,000	4,339	339	8.5%
50.6%	4,000	4,285	285	7.1%
51.9%	4,000	4,278	278	7.0%
53.1%	4,000	4,241	241	6.0%
54.3%	4,000	4,226	226	5.7%
55.6%	4,000	4,220	220	5.5%
56.8%	4,000	4,132	132	3.3%
58.0%	4,000	4,114	114	2.8%
59.3%	4,000	4,055	55	1.4%
60.5%	4,000	4,031	31	0.8%
61.7%	4,000	4,022	22	0.5%
63.0%	4,000	4,012	12	0.3%
64.2%	4,000	4,004	4	0.1%
65.4%	4,000	4,000	0	0.0%
66.7%	4,000	4,000	0	0.0%
67.9%	4,000	4,000	0	0.0%
69.1%	4,000	4,000	0	0.0%
70.4%	4,000	4,000	0	0.0%
71.6%	4,000	4,000	0	0.0%
72.8%	4,000	4,000	0	0.0%
74.1%	4,000	4,000	0	0.0%
75.3%	4,000	4,000	0	0.0%
76.5%	4,000	4,000	0	0.0%
77.8%	4,000	4,000	0	0.0%
79.0%	4,000	4,000	0	0.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	4,000	4,000	0	0.0%
85.2%	3,977	4,000	23	0.6%
86.4%	3,969	4,000	31	0.8%
87.7%	3,870	4,000	130	3.4%
88.9%	3,810	4,000	190	5.0%
90.1%	3,797	4,000	203	5.4%
91.4%	3,788	3,839	51	1.3%
92.6%	3,754	3,815	61	1.6%
93.8%	3,699	3,781	82	2.2%
95.1%	3,640	3,712	72	2.0%
96.3%	3,596	3,676	80	2.2%
97.5%	3,590	3,586	-4	-0.1%
98.8%	3,583	3,558	-26	-0.7%
100.0%	3,579	3,271	-309	-8.6%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Outflow (CFS)	WSIP 2030 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,313	20,716	403	2.0%
1.2%	20,156	20,716	560	2.8%
2.5%	20,156	20,560	403	2.0%
3.7%	19,922	20,560	638	3.2%
4.9%	19,844	20,247	403	2.0%
6.2%	19,844	20,247	403	2.0%
7.4%	19,688	20,091	403	2.0%
8.6%	19,688	20,091	403	2.0%
9.9%	19,688	20,091	403	2.0%
11.1%	19,688	20,091	403	2.0%
12.3%	19,688	19,935	247	1.3%
13.6%	19,531	19,935	403	2.1%
14.8%	19,375	19,778	403	2.1%
16.0%	19,375	19,778	403	2.1%
17.3%	19,375	19,778	403	2.1%
18.5%	19,375	19,778	403	2.1%
19.8%	19,375	19,778	403	2.1%
21.0%	19,375	19,778	403	2.1%
22.2%	19,063	19,375	313	1.6%
23.5%	19,063	19,063	0	0.0%
24.7%	19,063	19,063	0	0.0%
25.9%	18,750	19,063	313	1.7%
27.2%	18,594	18,841	247	1.3%
28.4%	17,813	18,750	938	5.3%
29.6%	17,813	17,278	-534	-3.0%
30.9%	11,875	12,278	403	3.4%
32.1%	11,563	12,122	560	4.8%
33.3%	11,406	11,966	560	4.9%
34.6%	11,406	11,810	403	3.5%
35.8%	11,250	11,653	403	3.6%
37.0%	11,094	11,497	403	3.6%
38.3%	10,938	11,341	403	3.7%
39.5%	10,938	11,341	403	3.7%
40.7%	10,938	11,341	403	3.7%
42.0%	10,938	11,341	403	3.7%
43.2%	10,781	11,028	247	2.3%
44.4%	10,469	10,716	247	2.4%
45.7%	4,221	5,561	1,340	31.8%
46.9%	4,191	4,901	710	16.9%
48.1%	3,931	4,837	906	23.0%
49.4%	3,927	4,702	775	19.7%
50.6%	3,871	4,522	651	16.8%
51.9%	3,860	4,497	636	16.5%
53.1%	3,845	4,484	639	16.6%
54.3%	3,842	4,417	575	15.0%
55.6%	3,737	4,401	664	17.8%
56.8%	3,710	4,378	668	18.0%
58.0%	3,585	4,277	692	19.3%
59.3%	3,565	4,011	445	12.5%
60.5%	3,537	3,996	459	13.0%
61.7%	3,527	3,931	404	11.4%
63.0%	3,309	3,902	593	17.9%
64.2%	3,143	3,812	669	21.3%
65.4%	3,127	3,782	655	20.9%
66.7%	3,124	3,727	603	19.3%
67.9%	3,000	3,631	631	21.0%
69.1%	3,000	3,589	589	19.6%
70.4%	3,000	3,552	552	18.4%
71.6%	3,000	3,539	539	18.0%
72.8%	3,000	3,506	506	16.9%
74.1%	3,000	3,484	484	16.1%
75.3%	3,000	3,466	466	15.5%
76.5%	3,000	3,456	456	15.2%
77.8%	3,000	3,447	447	14.9%
79.0%	3,000	3,439	439	14.6%
80.2%	3,000	3,430	430	14.3%
81.5%	3,000	3,430	430	14.3%
82.7%	3,000	3,420	420	14.0%
84.0%	3,000	3,403	403	13.4%
85.2%	3,000	3,387	387	12.9%
86.4%	3,000	3,331	331	11.0%
87.7%	3,000	3,327	327	10.9%
88.9%	3,000	3,291	291	9.7%
90.1%	3,000	3,278	278	9.3%
91.4%	3,000	3,193	193	6.4%
92.6%	3,000	3,143	143	4.8%
93.8%	3,000	3,000	0	0.0%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

Figure SW-34-b
Delta Cross Channel, Monthly Flow
Probability of Exceedance

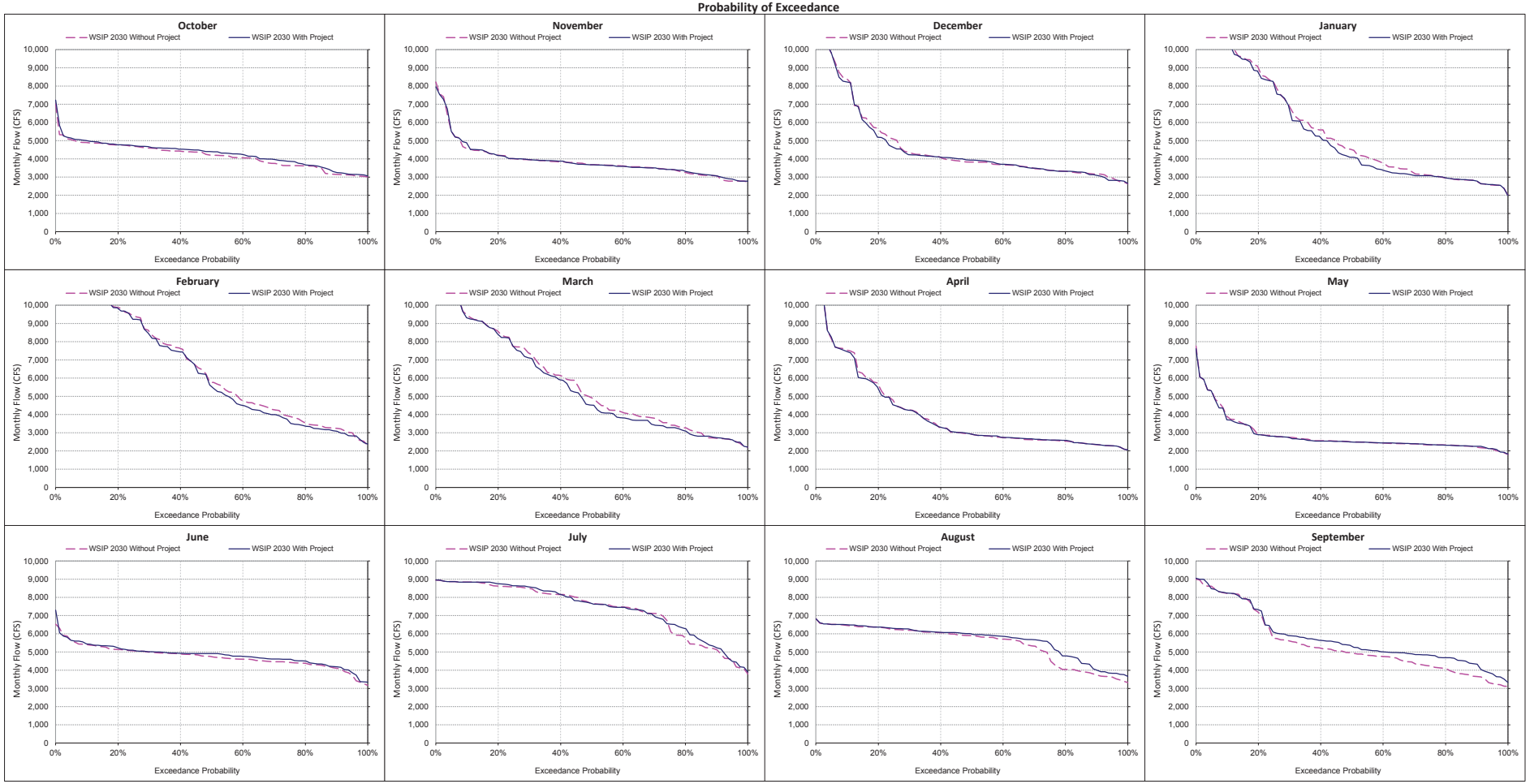


Table SW-34-b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,012	7,229	218	3.1%
1.2%	5,334	5,828	494	9.3%
2.5%	5,311	5,256	-55	-1.0%
3.7%	5,105	5,184	79	1.6%
4.9%	5,058	5,144	86	1.7%
6.2%	4,994	5,079	85	1.7%
7.4%	4,918	5,064	146	3.0%
8.6%	4,902	5,029	127	2.6%
9.9%	4,895	4,999	103	2.1%
11.1%	4,872	4,963	91	1.9%
12.3%	4,869	4,950	81	1.7%
13.6%	4,863	4,926	63	1.3%
14.8%	4,857	4,863	6	0.1%
16.0%	4,841	4,853	13	0.3%
17.3%	4,785	4,812	27	0.6%
18.5%	4,773	4,811	38	0.8%
19.8%	4,763	4,773	10	0.2%
21.0%	4,761	4,770	9	0.2%
22.2%	4,757	4,763	6	0.1%
23.5%	4,718	4,758	40	0.8%
24.7%	4,689	4,726	37	0.8%
25.9%	4,678	4,696	17	0.4%
27.2%	4,645	4,689	44	1.0%
28.4%	4,618	4,683	65	1.4%
29.6%	4,596	4,672	76	1.7%
30.9%	4,591	4,611	20	0.4%
32.1%	4,578	4,601	23	0.5%
33.3%	4,478	4,595	118	2.6%
34.6%	4,471	4,582	111	2.5%
35.8%	4,459	4,581	122	2.7%
37.0%	4,432	4,578	145	3.3%
38.3%	4,431	4,576	145	3.3%
39.5%	4,430	4,535	105	2.4%
40.7%	4,405	4,527	122	2.8%
42.0%	4,389	4,523	134	3.1%
43.2%	4,387	4,499	112	2.6%
44.4%	4,374	4,492	118	2.7%
45.7%	4,372	4,492	120	2.7%
46.9%	4,360	4,449	89	2.0%
48.1%	4,247	4,400	153	3.6%
49.4%	4,209	4,398	189	4.5%
50.6%	4,198	4,384	187	4.4%
51.9%	4,190	4,383	193	4.6%
53.1%	4,182	4,320	138	3.3%
54.3%	4,175	4,319	144	3.4%
55.6%	4,151	4,305	154	3.7%
56.8%	4,072	4,278	206	5.1%
58.0%	4,068	4,268	200	4.9%
59.3%	4,061	4,261	200	4.9%
60.5%	4,054	4,224	169	4.2%
61.7%	4,053	4,147	93	2.3%
63.0%	4,049	4,142	93	2.3%
64.2%	4,013	4,127	114	2.8%
65.4%	3,887	4,005	118	3.0%
66.7%	3,834	4,002	167	4.4%
67.9%	3,782	3,995	213	5.6%
69.1%	3,755	3,983	227	6.1%
70.4%	3,749	3,953	205	5.5%
71.6%	3,697	3,915	218	5.9%
72.8%	3,634	3,901	267	7.4%
74.1%	3,630	3,879	249	6.9%
75.3%	3,630	3,857	227	6.2%
76.5%	3,627	3,845	219	6.0%
77.8%	3,626	3,755	129	3.6%
79.0%	3,619	3,734	115	3.2%
80.2%	3,616	3,656	40	1.1%
81.5%	3,610	3,642	33	0.9%
82.7%	3,606	3,627	21	0.6%
84.0%	3,511	3,600	88	2.5%
85.2%	3,493	3,547	54	1.5%
86.4%	3,199	3,490	291	9.1%
87.7%	3,174	3,424	250	7.9%
88.9%	3,157	3,307	151	4.8%
90.1%	3,144	3,250	106	3.4%
91.4%	3,135	3,228	93	3.0%
92.6%	3,126	3,207	81	2.6%
93.8%	3,121	3,157	36	1.2%
95.1%	3,107	3,152	46	1.5%
96.3%	3,047	3,145	98	3.2%
97.5%	3,046	3,135	89	2.9%
98.8%	3,040	3,122	82	2.7%
100.0%	3,012	3,064	51	1.7%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,223	7,954	-269	-3.3%
1.2%	7,570	7,547	-24	-0.3%
2.5%	7,416	7,267	-149	-2.0%
3.7%	6,434	6,737	304	4.7%
4.9%	5,523	5,520	-3	-0.1%
6.2%	5,206	5,200	-6	-0.1%
7.4%	5,164	5,148	-16	-0.3%
8.6%	4,678	4,939	261	5.6%
9.9%	4,570	4,885	315	6.9%
11.1%	4,521	4,514	-7	-0.2%
12.3%	4,467	4,512	45	1.0%
13.6%	4,465	4,505	40	0.9%
14.8%	4,427	4,493	66	1.5%
16.0%	4,394	4,396	2	0.1%
17.3%	4,288	4,282	-6	-0.1%
18.5%	4,239	4,276	37	0.9%
19.8%	4,205	4,195	-10	-0.2%
21.0%	4,180	4,169	-11	-0.3%
22.2%	4,171	4,127	-44	-1.1%
23.5%	4,016	4,020	4	0.1%
24.7%	4,007	4,018	11	0.3%
25.9%	4,000	3,997	-3	-0.1%
27.2%	3,964	3,996	32	0.8%
28.4%	3,964	3,995	31	0.8%
29.6%	3,962	3,953	-9	-0.2%
30.9%	3,943	3,941	-2	0.0%
32.1%	3,941	3,927	-14	-0.4%
33.3%	3,907	3,921	14	0.4%
34.6%	3,904	3,918	14	0.4%
35.8%	3,890	3,907	17	0.4%
37.0%	3,858	3,898	40	1.0%
38.3%	3,849	3,886	36	0.9%
39.5%	3,837	3,881	44	1.1%
40.7%	3,833	3,872	39	1.0%
42.0%	3,807	3,807	0	0.0%
43.2%	3,804	3,772	-33	-0.9%
44.4%	3,803	3,749	-55	-1.4%
45.7%	3,770	3,704	-66	-1.8%
46.9%	3,760	3,697	-63	-1.7%
48.1%	3,706	3,695	-11	-0.3%
49.4%	3,680	3,675	-5	-0.1%
50.6%	3,679	3,673	-5	-0.1%
51.9%	3,671	3,665	-6	-0.2%
53.1%	3,671	3,664	-6	-0.2%
54.3%	3,656	3,645	-11	-0.3%
55.6%	3,653	3,635	-18	-0.5%
56.8%	3,648	3,626	-22	-0.6%
58.0%	3,629	3,593	-36	-1.0%
59.3%	3,618	3,591	-27	-0.7%
60.5%	3,600	3,589	-11	-0.3%
61.7%	3,572	3,562	-10	-0.3%
63.0%	3,565	3,536	-29	-0.8%
64.2%	3,565	3,530	-34	-1.0%
65.4%	3,562	3,527	-36	-1.0%
66.7%	3,531	3,518	-13	-0.4%
67.9%	3,525	3,508	-17	-0.5%
69.1%	3,513	3,505	-8	-0.2%
70.4%	3,491	3,497	7	0.2%
71.6%	3,469	3,448	-21	-0.6%
72.8%	3,446	3,446	1	0.0%
74.1%	3,426	3,424	-2	-0.1%
75.3%	3,421	3,412	-9	-0.3%
76.5%	3,392	3,401	9	0.3%
77.8%	3,332	3,378	45	1.4%
79.0%	3,269	3,373	104	3.2%
80.2%	3,246	3,302	56	1.7%
81.5%	3,191	3,255	64	2.0%
82.7%	3,170	3,218	48	1.5%
84.0%	3,139	3,190	51	1.6%
85.2%	3,108	3,156	48	1.5%
86.4%	3,098	3,135	37	1.2%
87.7%	3,086	3,122	36	1.2%
88.9%	3,076	3,096	20	0.7%
90.1%	3,073	3,054	-19	-0.6%
91.4%	2,886	3,010	124	4.3%
92.6%	2,810	2,942	132	4.7%
93.8%	2,780	2,908	128	4.6%
95.1%	2,779	2,888	109	3.9%
96.3%	2,779	2,817	38	1.4%
97.5%	2,776	2,780	4	0.1%
98.8%	2,775	2,780	4	0.2%
100.0%	2,724	2,779	54	2.0%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,550	11,552	2	0.0%
1.2%	11,404	11,377	-27	-0.2%
2.5%	10,740	10,721	-19	-0.2%
3.7%	10,312	10,230	-82	-0.8%
4.9%	9,791	9,841	50	0.5%
6.2%	9,301	9,164	-137	-1.5%
7.4%	8,757	8,483	-274	-3.1%
8.6%	8,487	8,266	-221	-2.6%
9.9%	8,406	8,225	-182	-2.2%
11.1%	8,182	8,190	8	0.1%
12.3%	6,927	6,978	51	0.7%
13.6%	6,908	6,854	-55	-0.8%
14.8%	6,266	6,158	-108	-1.7%
16.0%	6,244	5,962	-282	-4.5%
17.3%	5,985	5,730	-255	-4.3%
18.5%	5,729	5,576	-152	-2.7%
19.8%	5,691	5,181	-511	-9.0%
21.0%	5,440	5,170	-269	-4.9%
22.2%	5,359	5,059	-300	-5.6%
23.5%	5,164	4,745	-419	-8.1%
24.7%	5,098	4,641	-458	-9.0%
25.9%	5,021	4,541	-480	-9.6%
27.2%	4,592	4,541	-50	-1.1%
28.4%	4,416	4,355	-61	-1.4%
29.6%	4,371	4,237	-135	-3.1%
30.9%	4,294	4,219	-74	-1.7%
32.1%	4,249	4,218	-31	-0.7%
33.3%	4,240	4,190	-50	-1.2%
34.6%	4,223	4,169	-53	-1.3%
35.8%	4,186	4,143	-43	-1.0%
37.0%	4,142	4,141	-1	0.0%
38.3%	4,133	4,112	-21	-0.5%
39.5%	4,119	4,096	-23	-0.6%
40.7%	4,018	4,078	60	1.5%
42.0%	3,959	4,077	117	3.0%
43.2%	3,943	4,054	111	2.8%
44.4%	3,909	4,037	128	3.3%
45.7%	3,890	4,009	119	3.1%
46.9%	3,854	3,999	145	3.8%
48.1%	3,828	3,946	118	3.1%
49.4%	3,824	3,937	113	2.9%
50.6%	3,823	3,935	112	2.9%
51.9%	3,819	3,913	94	2.5%
53.1%	3,819	3,902	83	2.2%
54.3%	3,819	3,892	73	1.9%
55.6%	3,792	3,847	55	1.5%
56.8%	3,703	3,818	115	3.1%
58.0%	3,693	3,748	55	1.5%
59.3%	3,686	3,706	20	0.6%
60.5%	3,666	3,702	36	1.0%
61.7%	3,663	3,691	28	0.8%
63.0%	3,653	3,675	22	0.6%
64.2%	3,648	3,656	8	0.2%
65.4%	3,602	3,579	-24	-0.7%
66.7%	3,576	3,558	-19	-0.5%
67.9%	3,559	3,517	-42	-1.2%
69.1%	3,519	3,490	-29	-0.8%
70.4%	3,455	3,482	28	0.8%
71.6%	3,453	3,463	10	0.3%
72.8%	3,404	3,441	36	1.1%
74.1%	3,398	3,381	-18	-0.5%
75.3%	3,362	3,360	-2	-0.1%
76.5%	3,353	3,339	-14	-0.4%
77.8%	3,344	3,325	-19	-0.6%
79.0%	3,332	3,321	-11	-0.3%
80.2%	3,313	3,318	5	0.2%
81.5%	3,283	3,311	28	0.9%
82.7%	3,261	3,297	36	1.1%
84.0%	3,233	3,282	49	1.5%
85.2%	3,222	3,273	51	1.6%
86.4%	3,214	3,241	27	0.8%
87.7%	3,197	3,135	-62	-1.9%
88.9%	3,165	3,130	-36	-1.1%
90.1%	3,165	3,085	-79	-2.5%
91.4%	3,161	3,047	-113	-3.6%
92.6%	3,119	2,969	-149	-4.8%
93.8%	2,977	2,820	-157	-5.3%
95.1%	2,943	2,813	-131	-4.4%
96.3%	2,838	2,813	-25	-0.9%
97.5%	2,744	2,797	53	1.9%
98.8%	2,720	2,778	59	2.2%
100.0%	2,631	2,642	11	0.4%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,780	11,763	-17	-0.1%
1.2%	11,438	11,391	-47	-0.4%
2.5%	11,318	11,323	5	0.0%
3.7%	11,310	11,310	0	0.0%
4.9%	11,015	11,015	1	0.0%
6.2%	10,691	10,656	-35	-0.3%
7.4%	10,476	10,476	-1	0.0%
8.6%	10,414	10,348	-66	-0.6%
9.9%	10,226	10,211	-15	-0.1%
11.1%	10,199	10,175	-25	-0.2%
12.3%	9,985	9,742	-243	-2.4%
13.6%	9,638	9,666	28	0.3%
14.8%	9,621	9,481	-140	-1.5%
16.0%	9,457	9,453	-4	0.0%
17.3%	9,445	9,322	-123	-1.3%
18.5%	9,194	8,867	-327	-3.6%
19.8%	9,087	8,830	-257	-2.8%
21.0%	8,586	8,424	-162	-1.9%
22.2%	8,524	8,357	-167	-2.0%
23.5%	8,352	8,294	-58	-0.7%
24.7%	8,289	8,254	-35	-0.4%
25.9%	7,850	7,552	-298	-3.8%
27.2%	7,518	7,508	-10	-0.1%
28.4%	7,289	7,326	37	0.5%
29.6%	6,986	6,948	-38	-0.5%
30.9%	6,602	6,095	-507	-7.7%
32.1%	6,297	6,083	-214	-3.4%
33.3%	6,125	6,075	-50	-0.8%
34.6%	6,118	5,643	-476	-7.8%
35.8%	6,011	5,556	-455	-7.6%
37.0%	5,717	5,545	-172	-3.0%
38.3%	5,657	5,265	-392	-6.9%
39.5%	5,592	5,244	-349	-6.2%
40.7%	5,589	5,034	-555	-9.9%
42.0%	5,130	5,001	-129	-2.5%
43.2%	5,128	4,727	-402	-7.8%
44.4%	5,052	4,596	-455	-9.0%
45.7%	4,783	4,331	-453	-9.5%
46.9%	4,706	4,234	-472	-10.0%
48.1%	4,537	4,174	-363	-8.0%
49.4%	4,534	4,089	-445	-9.8%
50.6%	4,470	4,088	-382	-8.5%
51.9%	4,204	4,035	-170	-4.0%
53.1%	4,177	3,659	-518	-12.4%
54.3%	4,134	3,642	-492	-11.9%
55.6%	4,040	3,629	-411	-10.2%
56.8%	3,982	3,561	-421	-10.6%
58.0%	3,910	3,447	-463	-11.8%
59.3%	3,820	3,424	-396	-10.4%
60.5%	3,713	3,340	-373	-10.0%
61.7%	3,566	3,288	-277	-7.8%
63.0%	3,552	3,235	-317	-8.9%
64.2%	3,548	3,220	-328	-9.3%
65.4%	3,462	3,191	-271	-7.8%
66.7%	3,442	3,185	-257	-7.5%
67.9%	3,441	3,154	-287	-8.3%
69.1%	3,300	3,116	-184	-5.6%
70.4%	3,170	3,076	-94	-3.0%
71.6%	3,157	3,076	-81	-2.6%
72.8%	3,142	3,076	-66	-2.1%
74.1%	3,115	3,076	-39	-1.3%
75.3%	3,095	3,076	-19	-0.6%
76.5%	3,049	3,038	-11	-0.4%
77.8%	3,031	3,021	-10	-0.3%
79.0%	2,982	3,001	19	0.6%
80.2%	2,942	2,950	8	0.3%
81.5%	2,921	2,923	3	0.1%
82.7%	2,882	2,890	7	0.2%
84.0%	2,854	2,886	32	1.1%
85.2%	2,846	2,861	15	0.5%
86.4%	2,842	2,859	17	0.6%
87.7%	2,836	2,838	2	0.1%
88.9%	2,830	2,823	-8	-0.3%
90.1%	2,748	2,776	28	1.0%
91.4%	2,633	2,626	-7	-0.3%
92.6%	2,619	2,615	-4	-0.2%
93.8%	2,571	2,593	23	0.9%
95.1%	2,559	2,592	33	1.3%
96.3%	2,552	2,565	13	0.5%
97.5%	2,543	2,553	10	0.4%
98.8%	2,379	2,381	2	0.1%
100.0%	2,002	1,990	-12	-0.6%

Table SW-34-b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,753	11,755	2	0.0%
1.2%	11,673	11,700	27	0.2%
2.5%	11,600	11,587	-14	-0.1%
3.7%	11,520	11,531	10	0.1%
4.9%	11,377	11,368	-9	-0.1%
6.2%	11,286	11,286	0	0.0%
7.4%	11,095	11,094	-1	0.0%
8.6%	11,077	11,032	-45	-0.4%
9.9%	11,034	11,006	-28	-0.3%
11.1%	10,674	10,673	0	0.0%
12.3%	10,447	10,413	-34	-0.3%
13.6%	10,433	10,397	-36	-0.3%
14.8%	10,410	10,329	-81	-0.8%
16.0%	10,302	10,302	0	0.0%
17.3%	10,096	10,100	4	0.0%
18.5%	9,922	9,865	-57	-0.6%
19.8%	9,883	9,851	-32	-0.3%
21.0%	9,836	9,690	-146	-1.5%
22.2%	9,619	9,669	49	0.5%
23.5%	9,575	9,542	-33	-0.3%
24.7%	9,429	9,229	-200	-2.1%
25.9%	9,361	9,225	-136	-1.4%
27.2%	9,315	9,207	-108	-1.2%
28.4%	8,706	8,684	-22	-0.3%
29.6%	8,635	8,478	-157	-1.8%
30.9%	8,357	8,192	-165	-2.0%
32.1%	8,191	8,165	-27	-0.3%
33.3%	8,115	7,787	-329	-4.0%
34.6%	7,898	7,742	-155	-2.0%
35.8%	7,834	7,737	-96	-1.2%
37.0%	7,808	7,537	-272	-3.5%
38.3%	7,685	7,488	-197	-2.6%
39.5%	7,661	7,443	-218	-2.8%
40.7%	7,577	7,428	-149	-2.0%
42.0%	7,058	7,136	77	1.1%
43.2%	6,946	6,945	-1	0.0%
44.4%	6,759	6,761	2	0.0%
45.7%	6,569	6,269	-301	-4.6%
46.9%	6,467	6,236	-232	-3.6%
48.1%	6,228	6,204	-24	-0.4%
49.4%	5,768	5,621	-147	-2.5%
50.6%	5,764	5,435	-329	-5.7%
51.9%	5,663	5,265	-398	-7.0%
53.1%	5,588	5,228	-360	-6.4%
54.3%	5,362	5,068	-295	-5.5%
55.6%	5,235	4,983	-252	-4.8%
56.8%	5,222	4,830	-392	-7.5%
58.0%	5,045	4,591	-454	-9.0%
59.3%	4,820	4,518	-301	-6.3%
60.5%	4,724	4,473	-251	-5.3%
61.7%	4,655	4,394	-261	-5.6%
63.0%	4,646	4,277	-369	-7.9%
64.2%	4,542	4,245	-297	-6.5%
65.4%	4,530	4,229	-300	-6.6%
66.7%	4,465	4,100	-365	-8.2%
67.9%	4,398	4,059	-340	-7.7%
69.1%	4,289	3,990	-300	-7.0%
70.4%	4,248	3,988	-260	-6.1%
71.6%	4,221	3,938	-283	-6.7%
72.8%	3,993	3,823	-170	-4.3%
74.1%	3,935	3,756	-179	-4.6%
75.3%	3,880	3,513	-367	-9.5%
76.5%	3,827	3,472	-355	-9.3%
77.8%	3,762	3,446	-315	-8.4%
79.0%	3,628	3,404	-225	-6.2%
80.2%	3,511	3,356	-156	-4.4%
81.5%	3,451	3,335	-116	-3.4%
82.7%	3,426	3,242	-184	-5.4%
84.0%	3,408	3,225	-183	-5.4%
85.2%	3,374	3,202	-172	-5.1%
86.4%	3,286	3,175	-112	-3.4%
87.7%	3,273	3,161	-111	-3.4%
88.9%	3,252	3,107	-145	-4.5%
90.1%	3,241	3,081	-160	-4.9%
91.4%	3,208	2,987	-221	-6.9%
92.6%	3,107	2,969	-138	-4.4%
93.8%	3,024	2,841	-184	-6.1%
95.1%	2,994	2,832	-162	-5.4%
96.3%	2,691	2,832	141	5.2%
97.5%	2,582	2,619	37	1.4%
98.8%	2,532	2,457	-74	-2.9%
100.0%	2,281	2,386	105	4.6%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,562	11,562	0	0.0%
1.2%	11,518	11,518	0	0.0%
2.5%	11,242	11,245	3	0.0%
3.7%	11,129	11,050	-78	-0.7%
4.9%	10,815	10,815	0	0.0%
6.2%	10,541	10,462	-79	-0.8%
7.4%	10,366	10,293	-74	-0.7%
8.6%	9,677	9,678	2	0.0%
9.9%	9,480	9,320	-160	-1.7%
11.1%	9,322	9,241	-81	-0.9%
12.3%	9,213	9,214	1	0.0%
13.6%	9,180	9,148	-33	-0.4%
14.8%	9,121	9,121	0	0.0%
16.0%	8,957	8,925	-32	-0.4%
17.3%	8,739	8,766	27	0.3%
18.5%	8,710	8,711	1	0.0%
19.8%	8,595	8,433	-163	-1.9%
21.0%	8,374	8,235	-139	-1.7%
22.2%	8,274	8,231	-43	-0.5%
23.5%	8,248	8,196	-51	-0.6%
24.7%	7,744	7,769	25	0.3%
25.9%	7,715	7,535	-180	-2.3%
27.2%	7,708	7,454	-254	-3.3%
28.4%	7,641	7,184	-456	-6.0%
29.6%	7,396	7,116	-281	-3.8%
30.9%	7,277	7,070	-207	-2.8%
32.1%	6,985	6,632	-353	-5.1%
33.3%	6,711	6,487	-223	-3.3%
34.6%	6,601	6,290	-311	-4.7%
35.8%	6,297	6,206	-91	-1.4%
37.0%	6,296	6,122	-174	-2.8%
38.3%	6,168	6,084	-84	-1.4%
39.5%	6,158	5,926	-233	-3.8%
40.7%	6,095	5,881	-215	-3.5%
42.0%	5,931	5,713	-219	-3.7%
43.2%	5,887	5,308	-579	-9.8%
44.4%	5,881	5,231	-650	-11.1%
45.7%	5,528	5,195	-333	-6.0%
46.9%	5,118	4,904	-215	-4.2%
48.1%	5,055	4,568	-487	-9.6%
49.4%	4,965	4,519	-446	-9.0%
50.6%	4,865	4,503	-361	-7.4%
51.9%	4,670	4,251	-419	-9.0%
53.1%	4,494	4,116	-378	-8.4%
54.3%	4,473	4,087	-386	-8.6%
55.6%	4,245	4,079	-166	-3.9%
56.8%	4,235	4,046	-189	-4.5%
58.0%	4,232	3,853	-380	-9.0%
59.3%	4,159	3,819	-340	-8.2%
60.5%	4,080	3,804	-277	-6.8%
61.7%	4,044	3,769	-275	-6.8%
63.0%	4,044	3,690	-354	-8.8%
64.2%	3,958	3,687	-271	-6.9%
65.4%	3,889	3,686	-204	-5.2%
66.7%	3,880	3,679	-201	-5.2%
67.9%	3,854	3,675	-179	-4.6%
69.1%	3,823	3,462	-361	-9.5%
70.4%	3,791	3,407	-383	-10.1%
71.6%	3,689	3,391	-299	-8.1%
72.8%	3,553	3,379	-175	-4.9%
74.1%	3,552	3,285	-266	-7.5%
75.3%	3,413	3,278	-135	-4.0%
76.5%	3,412	3,275	-136	-4.0%
77.8%	3,333	3,221	-112	-3.4%
79.0%	3,280	3,142	-138	-4.2%
80.2%	3,265	3,081	-184	-5.6%
81.5%	3,151	2,919	-232	-7.4%
82.7%	3,080	2,852	-228	-7.4%
84.0%	3,023	2,813	-210	-7.0%
85.2%	2,978	2,813	-165	-5.6%
86.4%	2,739	2,813	74	2.7%
87.7%	2,724	2,813	88	3.2%
88.9%	2,715	2,757	42	1.5%
90.1%	2,695	2,728	34	1.2%
91.4%	2,677	2,706	29	1.1%
92.6%	2,666	2,673	8	0.3%
93.8%	2,649	2,652	4	0.1%
95.1%	2,602	2,613	11	0.4%
96.3%	2,510	2,488	-22	-0.9%
97.5%	2,406	2,477	71	3.0%
98.8%	2,253	2,254	2	0.1%
100.0%	2,206	2,212	6	0.3%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,149	11,149	0	0.0%
1.2%	11,131	11,131	-1	0.0%
2.5%	10,317	10,244	-73	-0.7%
3.7%	8,620	8,621	0	0.0%
4.9%	8,164	8,253	89	1.1%
6.2%	7,705	7,704	-1	0.0%
7.4%	7,647	7,631	-15	-0.2%
8.6%	7,629	7,547	-82	-1.1%
9.9%	7,540	7,459	-81	-1.1%
11.1%	7,488	7,387	-101	-1.3%
12.3%	7,388	7,105	-283	-3.8%
13.6%	6,356	6,041	-315	-5.0%
14.8%	6,270	5,997	-273	-4.4%
16.0%	6,044	5,968	-76	-1.3%
17.3%	5,978	5,861	-117	-2.0%
18.5%	5,786	5,733	-53	-0.9%
19.8%	5,733	5,507	-227	-4.0%
21.0%	5,303	5,066	-237	-4.5%
22.2%	5,009	4,953	-57	-1.1%
23.5%	4,959	4,949	-10	-0.2%
24.7%	4,794	4,531	-263	-5.5%
25.9%	4,464	4,471	7	0.2%
27.2%	4,399	4,384	-15	-0.3%
28.4%	4,290	4,274	-16	-0.4%
29.6%	4,265	4,240	-25	-0.6%
30.9%	4,235	4,219	-16	-0.4%
32.1%	4,155	4,102	-53	-1.3%
33.3%	3,969	3,969	0	0.0%
34.6%	3,792	3,786	-6	-0.2%
35.8%	3,752	3,633	-119	-3.2%
37.0%	3,612	3,537	-76	-2.1%
38.3%	3,506	3,421	-85	-2.4%
39.5%	3,296	3,327	32	1.0%
40.7%	3,275	3,271	-4	-0.1%
42.0%	3,242	3,220	-22	-0.7%
43.2%	3,030	3,065	34	1.1%
44.4%	3,021	3,037	16	0.5%
45.7%	3,019	3,015	-4	-0.1%
46.9%	2,977	3,015	37	1.3%
48.1%	2,954	2,984	30	1.0%
49.4%	2,949	2,935	-15	-0.5%
50.6%	2,883	2,900	17	0.6%
51.9%	2,856	2,859	3	0.1%
53.1%	2,847	2,849	3	0.1%
54.3%	2,828	2,839	11	0.4%
55.6%	2,824	2,831	7	0.2%
56.8%	2,764	2,819	55	2.0%
58.0%	2,760	2,819	59	2.1%
59.3%	2,748	2,749	1	0.0%
60.5%	2,720	2,742	22	0.8%
61.7%	2,719	2,735	16	0.6%
63.0%	2,713	2,720	7	0.3%
64.2%	2,694	2,710	16	0.6%
65.4%	2,691	2,699	8	0.3%
66.7%	2,629	2,685	56	2.1%
67.9%	2,624	2,675	51	1.9%
69.1%	2,617	2,667	50	1.9%
70.4%	2,604	2,638	34	1.3%
71.6%	2,603	2,636	33	1.3%
72.8%	2,602	2,614	12	0.5%
74.1%	2,595	2,605	10	0.4%
75.3%	2,589	2,600	11	0.4%
76.5%	2,585	2,595	10	0.4%
77.8%	2,566	2,592	26	1.0%
79.0%	2,540	2,588	48	1.9%
80.2%	2,540	2,582	42	1.6%
81.5%	2,516	2,539	23	0.9%
82.7%	2,502	2,461	-41	-1.6%
84.0%	2,452	2,451	-1	0.0%
85.2%	2,427	2,446	20	0.8%
86.4%	2,413	2,402	-12	-0.5%
87.7%	2,378	2,388	10	0.4%
88.9%	2,366	2,371	5	0.2%
90.1%	2,340	2,352	12	0.5%
91.4%	2,330	2,323	-7	-0.3%
92.6%	2,303	2,304	1	0.0%
93.8%	2,283	2,302	19	0.9%
95.1%	2,278	2,283	5	0.2%
96.3%	2,270	2,267	-2	-0.1%
97.5%	2,208	2,210	2	0.1%
98.8%	2,098	2,099	1	0.0%
100.0%	2,054	2,052	-2	-0.1%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,764	7,616	-148	-1.9%
1.2%	6,077	6,063	-14	-0.2%
2.5%	5,909	5,932	23	0.4%
3.7%	5,350	5,351	1	0.0%
4.9%	5,340	5,311	-30	-0.6%
6.2%	4,832	4,810	-22	-0.5%
7.4%	4,654	4,360	-294	-6.3%
8.6%	4,382	4,347	-35	-0.8%
9.9%	3,902	3,715	-187	-4.8%
11.1%	3,741	3,703	-38	-1.0%
12.3%	3,731	3,600	-131	-3.5%
13.6%	3,628	3,520	-108	-3.0%
14.8%	3,523	3,502	-20	-0.6%
16.0%	3,423	3,452	30	0.9%
17.3%	3,381	3,365	-16	-0.5%
18.5%	3,190	2,953	-237	-7.4%
19.8%	2,914	2,898	-16	-0.6%
21.0%	2,887	2,877	-11	-0.4%
22.2%	2,859	2,847	-12	-0.4%
23.5%	2,855	2,813	-43	-1.5%
24.7%	2,835	2,813	-22	-0.8%
25.9%	2,792	2,787	-5	-0.2%
27.2%	2,779	2,785	6	0.2%
28.4%	2,756	2,770	15	0.5%
29.6%	2,749	2,751	2	0.1%
30.9%	2,743	2,674	-69	-2.5%
32.1%	2,710	2,674	-37	-1.4%
33.3%	2,688	2,637	-51	-1.9%
34.6%	2,650	2,636	-14	-0.5%
35.8%	2,648	2,581	-67	-2.5%
37.0%	2,592	2,565	-27	-1.0%
38.3%	2,562	2,546	-17	-0.6%
39.5%	2,560	2,545	-15	-0.6%
40.7%	2,559	2,545	-15	-0.6%
42.0%	2,559	2,538	-21	-0.8%
43.2%	2,554	2,537	-17	-0.7%
44.4%	2,542	2,529	-13	-0.5%
45.7%	2,538	2,524	-13	-0.5%
46.9%	2,533	2,520	-13	-0.5%
48.1%	2,529	2,513	-16	-0.6%
49.4%	2,499	2,492	-7	-0.3%
50.6%	2,496	2,484	-12	-0.5%
51.9%	2,494	2,483	-12	-0.5%
53.1%	2,491	2,477	-14	-0.6%
54.3%	2,488	2,476	-12	-0.5%
55.6%	2,462	2,474	12	0.5%
56.8%	2,459	2,459	0	0.0%
58.0%	2,442	2,458	16	0.6%
59.3%	2,441	2,445	4	0.2%
60.5%	2,435	2,443	8	0.3%
61.7%	2,419	2,442	23	1.0%
63.0%	2,409	2,438	29	1.2%
64.2%	2,405	2,423	18	0.7%
65.4%	2,404	2,422	18	0.7%
66.7%	2,403	2,415	12	0.5%
67.9%	2,396	2,406	10	0.4%
69.1%	2,391	2,400	9	0.4%
70.4%	2,385	2,396	11	0.5%
71.6%	2,384	2,390	6	0.2%
72.8%	2,347	2,378	31	1.3%
74.1%	2,340	2,360	20	0.8%
75.3%	2,338	2,339	1	0.0%
76.5%	2,334	2,338	3	0.1%
77.8%	2,334	2,327	-7	-0.3%
79.0%	2,333	2,324	-9	-0.4%
80.2%	2,327	2,318	-9	-0.4%
81.5%	2,324	2,310	-14	-0.6%
82.7%	2,311	2,300	-11	-0.5%
84.0%	2,292	2,290	-2	-0.1%
85.2%	2,275	2,284	9	0.4%
86.4%	2,267	2,279	11	0.5%
87.7%	2,265	2,265	0	0.0%
88.9%	2,252	2,261	10	0.4%
90.1%	2,200	2,253	53	2.4%
91.4%	2,176	2,252	76	3.5%
92.6%	2,161	2,192	31	1.4%
93.8%	2,149	2,133	-16	-0.8%
95.1%	2,105	2,126	21	1.0%
96.3%	2,014	2,082	68	3.4%
97.5%	1,979	1,943	-36	-1.8%
98.8%	1,896	1,923	27	1.4%
100.0%	1,808	1,825	17	1.0%

Table SW-34-b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,528	7,294	765	11.7%
1.2%	6,314	6,060	-253	-4.0%
2.5%	5,915	5,870	-45	-0.8%
3.7%	5,870	5,810	-60	-1.0%
4.9%	5,622	5,648	26	0.5%
6.2%	5,542	5,601	59	1.1%
7.4%	5,434	5,594	161	3.0%
8.6%	5,428	5,557	129	2.4%
9.9%	5,407	5,444	37	0.7%
11.1%	5,373	5,434	60	1.1%
12.3%	5,367	5,374	7	0.1%
13.6%	5,294	5,367	73	1.4%
14.8%	5,293	5,348	56	1.1%
16.0%	5,268	5,344	76	1.4%
17.3%	5,167	5,331	164	3.2%
18.5%	5,147	5,310	163	3.2%
19.8%	5,138	5,247	109	2.1%
21.0%	5,133	5,167	35	0.7%
22.2%	5,095	5,147	53	1.0%
23.5%	5,083	5,098	15	0.3%
24.7%	5,069	5,094	25	0.5%
25.9%	5,054	5,055	0	0.0%
27.2%	5,049	5,049	0	0.0%
28.4%	5,032	5,039	7	0.1%
29.6%	4,998	5,015	17	0.3%
30.9%	4,986	5,008	22	0.4%
32.1%	4,963	4,998	35	0.7%
33.3%	4,947	4,997	50	1.0%
34.6%	4,940	4,988	48	1.0%
35.8%	4,932	4,963	30	0.6%
37.0%	4,925	4,947	22	0.4%
38.3%	4,916	4,946	30	0.6%
39.5%	4,904	4,933	29	0.6%
40.7%	4,879	4,925	46	0.9%
42.0%	4,869	4,914	45	0.9%
43.2%	4,868	4,914	46	1.0%
44.4%	4,854	4,914	61	1.2%
45.7%	4,833	4,914	82	1.7%
46.9%	4,781	4,914	134	2.8%
48.1%	4,771	4,914	144	3.0%
49.4%	4,766	4,914	148	3.1%
50.6%	4,718	4,914	197	4.2%
51.9%	4,697	4,914	217	4.6%
53.1%	4,693	4,880	187	4.0%
54.3%	4,659	4,843	185	4.0%
55.6%	4,647	4,833	186	4.0%
56.8%	4,625	4,777	152	3.3%
58.0%	4,613	4,774	161	3.5%
59.3%	4,607	4,774	167	3.6%
60.5%	4,606	4,758	152	3.3%
61.7%	4,604	4,741	137	3.0%
63.0%	4,582	4,723	141	3.1%
64.2%	4,536	4,702	166	3.7%
65.4%	4,528	4,676	149	3.3%
66.7%	4,507	4,661	154	3.4%
67.9%	4,489	4,626	136	3.0%
69.1%	4,469	4,622	153	3.4%
70.4%	4,467	4,613	146	3.3%
71.6%	4,464	4,612	148	3.3%
72.8%	4,463	4,606	143	3.2%
74.1%	4,446	4,604	158	3.6%
75.3%	4,421	4,601	180	4.1%
76.5%	4,405	4,526	120	2.7%
77.8%	4,395	4,514	119	2.7%
79.0%	4,393	4,513	120	2.7%
80.2%	4,374	4,497	123	2.8%
81.5%	4,313	4,394	82	1.9%
82.7%	4,296	4,369	74	1.7%
84.0%	4,296	4,349	53	1.2%
85.2%	4,275	4,342	68	1.6%
86.4%	4,215	4,296	81	1.9%
87.7%	4,201	4,219	19	0.4%
88.9%	4,136	4,201	64	1.6%
90.1%	4,099	4,189	90	2.2%
91.4%	4,074	4,153	79	1.9%
92.6%	3,925	4,034	109	2.8%
93.8%	3,859	4,021	162	4.2%
95.1%	3,718	3,859	141	3.8%
96.3%	3,418	3,727	310	9.1%
97.5%	3,342	3,373	32	0.9%
98.8%	3,255	3,363	108	3.3%
100.0%	3,166	3,342	176	5.6%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,955	8,951	-4	0.0%
1.2%	8,936	8,951	15	0.2%
2.5%	8,902	8,890	-11	-0.1%
3.7%	8,870	8,870	0	0.0%
4.9%	8,869	8,864	-5	-0.1%
6.2%	8,865	8,860	-5	-0.1%
7.4%	8,846	8,841	-5	-0.1%
8.6%	8,843	8,841	-2	0.0%
9.9%	8,841	8,841	0	0.0%
11.1%	8,841	8,841	0	0.0%
12.3%	8,841	8,841	0	0.0%
13.6%	8,828	8,841	13	0.1%
14.8%	8,788	8,841	53	0.6%
16.0%	8,776	8,841	65	0.7%
17.3%	8,692	8,841	149	1.7%
18.5%	8,635	8,799	164	1.9%
19.8%	8,621	8,747	126	1.5%
21.0%	8,603	8,734	131	1.5%
22.2%	8,602	8,719	118	1.4%
23.5%	8,585	8,690	105	1.2%
24.7%	8,581	8,639	58	0.7%
25.9%	8,574	8,636	62	0.7%
27.2%	8,562	8,629	67	0.8%
28.4%	8,528	8,620	92	1.1%
29.6%	8,498	8,581	84	1.0%
30.9%	8,464	8,549	85	1.0%
32.1%	8,313	8,523	211	2.5%
33.3%	8,235	8,422	186	2.3%
34.6%	8,232	8,360	127	1.5%
35.8%	8,203	8,346	144	1.8%
37.0%	8,180	8,340	160	2.0%
38.3%	8,170	8,313	143	1.8%
39.5%	8,160	8,176	16	0.2%
40.7%	8,156	8,121	-35	-0.4%
42.0%	8,143	8,022	-121	-1.5%
43.2%	8,079	8,010	-69	-0.9%
44.4%	8,021	7,826	-195	-2.4%
45.7%	7,991	7,805	-186	-2.3%
46.9%	7,829	7,775	-55	-0.7%
48.1%	7,790	7,734	-57	-0.7%
49.4%	7,696	7,697	0	0.0%
50.6%	7,661	7,623	-37	-0.5%
51.9%	7,630	7,621	-9	-0.1%
53.1%	7,624	7,614	-10	-0.1%
54.3%	7,610	7,611	0	0.0%
55.6%	7,581	7,495	-86	-1.1%
56.8%	7,499	7,467	-33	-0.4%
58.0%	7,487	7,455	-33	-0.4%
59.3%	7,480	7,451	-29	-0.4%
60.5%	7,464	7,451	-13	-0.2%
61.7%	7,445	7,368	-76	-1.0%
63.0%	7,389	7,340	-49	-0.7%
64.2%	7,387	7,332	-55	-0.7%
65.4%	7,267	7,307	40	0.5%
66.7%	7,194	7,269	75	1.0%
67.9%	7,133	7,117	-16	-0.2%
69.1%	7,120	7,098	-22	-0.3%
70.4%	7,118	6,926	-192	-2.7%
71.6%	7,091	6,848	-243	-3.4%
72.8%	6,969	6,800	-169	-2.4%
74.1%	6,732	6,549	-184	-2.7%
75.3%	6,112	6,522	409	6.7%
76.5%	5,925	6,509	584	9.9%
77.8%	5,924	6,392	468	7.9%
79.0%	5,910	6,329	419	7.1%
80.2%	5,744	6,277	532	9.3%
81.5%	5,442	5,935	492	9.0%
82.7%	5,434	5,924	490	9.0%
84.0%	5,399	5,738	340	6.3%
85.2%	5,352	5,625	273	5.1%
86.4%	5,238	5,514	276	5.3%
87.7%	5,221	5,386	165	3.2%
88.9%	5,192	5,326	134	2.6%
90.1%	5,116	5,231	115	2.3%
91.4%	4,886	5,174	288	5.9%
92.6%	4,650	4,906	255	5.5%
93.8%	4,639	4,649	9	0.2%
95.1%	4,556	4,486	-70	-1.5%
96.3%	4,177	4,449	272	6.5%
97.5%	4,123	4,187	64	1.6%
98.8%	4,079	4,161	82	2.0%
100.0%	3,794	3,895	101	2.7%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,830	6,824	-6	-0.1%
1.2%	6,579	6,607	27	0.4%
2.5%	6,556	6,547	-9	-0.1%
3.7%	6,540	6,540	0	0.0%
4.9%	6,517	6,515	-2	0.0%
6.2%	6,516	6,514	-3	0.0%
7.4%	6,514	6,512	-1	0.0%
8.6%	6,490	6,506	16	0.2%
9.9%	6,460	6,497	37	0.6%
11.1%	6,441	6,490	49	0.8%
12.3%	6,434	6,487	53	0.8%
13.6%	6,392	6,441	49	0.8%
14.8%	6,384	6,434	51	0.8%
16.0%	6,382	6,429	47	0.7%
17.3%	6,382	6,384	2	0.0%
18.5%	6,376	6,376	1	0.0%
19.8%	6,372	6,372	0	0.0%
21.0%	6,346	6,364	17	0.3%
22.2%	6,323	6,340	17	0.3%
23.5%	6,278	6,323	45	0.7%
24.7%	6,231	6,303	72	1.2%
25.9%	6,230	6,284	54	0.9%
27.2%	6,219	6,283	64	1.0%
28.4%	6,208	6,265	57	0.9%
29.6%	6,195	6,264	68	1.1%
30.9%	6,187	6,208	21	0.3%
32.1%	6,176	6,177	1	0.0%
33.3%	6,147	6,142	-5	-0.1%
34.6%	6,095	6,137	42	0.7%
35.8%	6,092	6,124	32	0.5%
37.0%	6,088	6,116	27	0.5%
38.3%	6,076	6,092	16	0.3%
39.5%	6,065	6,090	25	0.4%
40.7%	6,060	6,071	11	0.2%
42.0%	6,013	6,068	55	0.9%
43.2%	5,988	6,067	79	1.3%
44.4%	5,983	6,065	82	1.4%
45.7%	5,926	6,060	134	2.3%
46.9%	5,922	6,020	99	1.7%
48.1%	5,905	6,017	111	1.9%
49.4%	5,902	6,012	110	1.9%
50.6%	5,899	5,958	59	1.0%
51.9%	5,858	5,950	92	1.6%
53.1%	5,821	5,949	129	2.2%
54.3%	5,814	5,926	112	1.9%
55.6%	5,803	5,921	119	2.0%
56.8%	5,802	5,902	101	1.7%
58.0%	5,734	5,884	150	2.6%
59.3%	5,712	5,874	163	2.9%
60.5%	5,706	5,857	151	2.7%
61.7%	5,690	5,821	131	2.3%
63.0%	5,684	5,778	94	1.7%
64.2%	5,635	5,764	129	2.3%
65.4%	5,593	5,742	149	2.7%
66.7%	5,420	5,706	286	5.3%
67.9%	5,382	5,690	308	5.7%
69.1%	5,337	5,685	348	6.5%
70.4%	5,317	5,674	357	6.7%
71.6%	5,119	5,635	516	10.1%
72.8%	5,053	5,601	547	10.8%
74.1%	4,986	5,590	604	12.1%
75.3%	4,486	5,426	940	20.9%
76.5%	4,296	5,132	837	19.5%
77.8%	4,169	5,039	870	20.9%
79.0%	4,044	4,781	738	18.2%
80.2%	4,040	4,781	741	18.3%
81.5%	4,036	4,764	728	18.0%
82.7%	4,031	4,721	690	17.1%
84.0%	3,966	4,661	695	17.5%
85.2%	3,922	4,371	449	11.4%
86.4%	3,893	4,355	462	11.9%
87.7%	3,863	4,324	461	11.9%
88.9%	3,801	4,069	268	7.1%
90.1%	3,733	3,995	263	7.0%
91.4%	3,673	3,916	243	6.6%
92.6%	3,655	3,910	255	7.0%
93.8%	3,654	3,841	187	5.1%
95.1%	3,619	3,836	217	6.0%
96.3%	3,524	3,831	307	8.7%
97.5%	3,460	3,767	307	8.9%
98.8%	3,387	3,756	369	10.9%
100.0%	3,320	3,652	332	10.0%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,001	9,047	47	0.5%
1.2%	8,953	9,001	47	0.5%
2.5%	8,675	8,998	323	3.7%
3.7%	8,620	8,784	163	1.9%
4.9%	8,615	8,478	-137	-1.6%
6.2%	8,443	8,435	-8	-0.1%
7.4%	8,315	8,315	0	0.0%
8.6%	8,260	8,278	18	0.2%
9.9%	8,223	8,241	18	0.2%
11.1%	8,211	8,223	12	0.1%
12.3%	8,195	8,214	19	0.2%
13.6%	8,175	8,092	-83	-1.0%
14.8%	7,959	7,928	-31	-0.4%
16.0%	7,937	7,912	-25	-0.3%
17.3%	7,763	7,873	110	1.4%
18.5%	7,351	7,373	22	0.3%
19.8%	7,215	7,335	120	1.7%
21.0%	7,006	7,258	252	3.6%
22.2%	6,446	6,487	41	0.6%
23.5%	6,333	6,458	126	2.0%
24.7%	5,756	6,097	341	5.9%
25.9%	5,741	6,024	282	4.9%
27.2%	5,669	5,992	323	5.7%
28.4%	5,662	5,985	323	5.7%
29.6%	5,620	5,893	273	4.9%
30.9%	5,564	5,884	320	5.7%
32.1%	5,533	5,872	338	6.1%
33.3%	5,421	5,809	387	7.1%
34.6%	5,403	5,797	394	7.3%
35.8%	5,305	5,731	426	8.0%
37.0%	5,294	5,729	435	8.2%
38.3%	5,243	5,682	439	8.4%
39.5%	5,231	5,638	407	7.8%
40.7%	5,177	5,628	451	8.7%
42.0%	5,176	5,603	427	8.2%
43.2%	5,150	5,596	445	8.6%
44.4%	5,072	5,550	478	9.4%
45.7%	5,055	5,526	471	9.3%
46.9%	5,047	5,413	366	7.2%
48.1%	4,973	5,396	422	8.5%
49.4%	4,966	5,364	398	8.0%
50.6%	4,927	5,252	325	6.6%
51.9%	4,888	5,236	347	7.1%
53.1%	4,887	5,135	247	5.1%
54.3%	4,826	5,134	308	6.4%
55.6%	4,814	5,107	292	6.1%
56.8%	4,801	5,070	269	5.6%
58.0%	4,765	5,066	301	6.3%
59.3%	4,764	5,016	252	5.3%
60.5%	4,746	5,004	258	5.4%
61.7%	4,738	4,983	246	5.2%
63.0%	4,704	4,976	273	5.8%
64.2%	4,672	4,972	300	6.4%
65.4%	4,562	4,953	391	8.6%
66.7%	4,500	4,952	452	10.0%
67.9%	4,464	4,911	448	10.0%
69.1%	4,456	4,897	441	9.9%
70.4%	4,342	4,861	519	11.9%
71.6%	4,326	4,850	524	12.1%
72.8%	4,286	4,849	563	13.1%
74.1%	4,249	4,836	586	13.8%
75.3%	4,231	4,818	586	13.9%
76.5%	4,156	4,800	644	15.5%
77.8%	4,134	4,705	572	13.8%
79.0%	4,112	4,692	581	14.1%
80.2%	4,085	4,690	605	14.8%
81.5%	3,966	4,681	716	18.0%
82.7%	3,888	4,658	770	19.8%
84.0%	3,813	4,540	726	19.0%
85.2%	3,805	4,534	729	19.2%
86.4%	3,770	4,507	737	19.5%
87.7%	3,745	4,380	635	17.0%
88.9%	3,668	4,358	690	18.8%
90.1%	3,652	4,330	679	18.6%
91.4%	3,632	4,049	417	11.5%
92.6%	3,523	3,945	422	12.0%
93.8%	3,317	3,869	552	16.6%
95.1%	3,263	3,798	535	16.4%
96.3%	3,222	3,639	418	13.0%
97.5%	3,203	3,626	423	13.2%
98.8%	3,119	3,517	398	12.8%
100.0%	3,113	3,333	220	7.1%

Figure SW-35-b
Old and Middle River, Monthly Flow
Probability of Exceedance

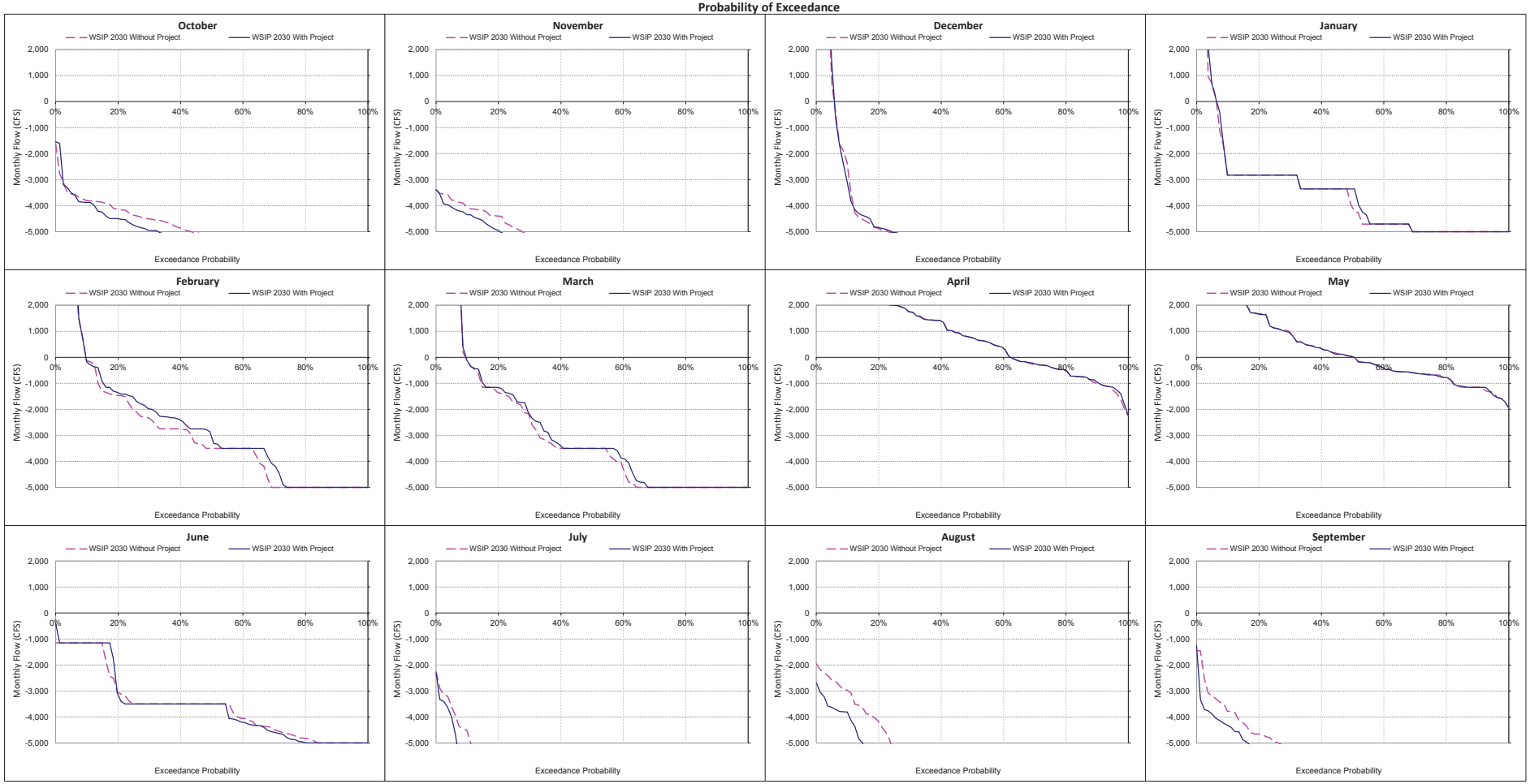


Table SW-35-b

Old and Middle River, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,620	-1,540	81	
1.2%	-2,750	-1,612	1,138	
2.5%	-3,101	-3,206	-105	
3.7%	-3,492	-3,292	200	
4.9%	-3,545	-3,506	39	
6.2%	-3,569	-3,610	-41	
7.4%	-3,674	-3,846	-172	
8.6%	-3,736	-3,871	-134	
9.9%	-3,807	-3,873	-66	
11.1%	-3,815	-3,875	-61	
12.3%	-3,837	-3,986	-149	
13.6%	-3,846	-4,220	-374	
14.8%	-3,864	-4,243	-379	
16.0%	-3,922	-4,397	-475	
17.3%	-3,950	-4,492	-542	
18.5%	-4,107	-4,494	-387	
19.8%	-4,138	-4,498	-360	
21.0%	-4,160	-4,525	-365	
22.2%	-4,170	-4,539	-370	
23.5%	-4,275	-4,657	-383	
24.7%	-4,362	-4,730	-368	
25.9%	-4,393	-4,795	-403	
27.2%	-4,437	-4,843	-406	
28.4%	-4,479	-4,874	-395	
29.6%	-4,504	-4,944	-440	
30.9%	-4,525	-4,950	-425	
32.1%	-4,563	-4,953	-390	
33.3%	-4,564	-5,039	-474	
34.6%	-4,610	-5,081	-472	
35.8%	-4,648	-5,093	-444	
37.0%	-4,719	-5,280	-561	
38.3%	-4,789	-5,312	-523	
39.5%	-4,843	-5,391	-548	
40.7%	-4,885	-5,427	-542	
42.0%	-4,956	-5,435	-479	
43.2%	-4,994	-5,444	-450	
44.4%	-5,037	-5,531	-495	
45.7%	-5,046	-5,535	-490	
46.9%	-5,220	-5,695	-475	
48.1%	-5,287	-5,751	-464	
49.4%	-5,291	-5,925	-634	
50.6%	-5,396	-5,956	-560	
51.9%	-5,577	-5,981	-404	
53.1%	-5,623	-6,011	-388	
54.3%	-5,648	-6,066	-418	
55.6%	-5,739	-6,103	-364	
56.8%	-5,746	-6,183	-437	
58.0%	-5,794	-6,264	-470	
59.3%	-5,813	-6,277	-465	
60.5%	-5,837	-6,278	-440	
61.7%	-5,844	-6,303	-459	
63.0%	-5,870	-6,330	-460	
64.2%	-6,026	-6,470	-444	
65.4%	-6,032	-6,582	-550	
66.7%	-6,036	-6,589	-552	
67.9%	-6,047	-6,598	-551	
69.1%	-6,057	-6,767	-709	
70.4%	-6,159	-6,801	-643	
71.6%	-6,163	-6,865	-702	
72.8%	-6,286	-6,914	-628	
74.1%	-6,523	-6,977	-454	
75.3%	-6,586	-7,184	-597	
76.5%	-6,864	-7,233	-369	
77.8%	-6,900	-7,332	-431	
79.0%	-6,948	-7,367	-419	
80.2%	-6,957	-7,460	-503	
81.5%	-6,964	-7,480	-516	
82.7%	-7,072	-7,504	-432	
84.0%	-7,117	-7,518	-402	
85.2%	-7,228	-7,705	-477	
86.4%	-7,295	-8,008	-713	
87.7%	-7,471	-8,126	-654	
88.9%	-7,490	-8,138	-647	
90.1%	-7,687	-8,197	-510	
91.4%	-7,706	-8,282	-576	
92.6%	-7,733	-8,369	-636	
93.8%	-8,201	-8,446	-245	
95.1%	-8,721	-8,610	111	
96.3%	-8,746	-8,779	-33	
97.5%	-9,332	-9,328	4	
98.8%	-9,436	-9,525	-89	
100.0%	-10,323	-10,413	-90	

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-3,386	-3,386	0	
1.2%	-3,529	-3,557	-29	
2.5%	-3,557	-3,939	-382	
3.7%	-3,569	-3,956	-387	
4.9%	-3,779	-4,054	-275	
6.2%	-3,809	-4,146	-337	
7.4%	-3,870	-4,207	-337	
8.6%	-3,901	-4,232	-332	
9.9%	-4,050	-4,341	-291	
11.1%	-4,122	-4,360	-239	
12.3%	-4,132	-4,455	-323	
13.6%	-4,163	-4,505	-342	
14.8%	-4,169	-4,566	-397	
16.0%	-4,232	-4,700	-467	
17.3%	-4,373	-4,798	-425	
18.5%	-4,378	-4,884	-506	
19.8%	-4,404	-4,946	-543	
21.0%	-4,410	-5,043	-633	
22.2%	-4,676	-5,097	-421	
23.5%	-4,740	-5,172	-432	
24.7%	-4,835	-5,179	-345	
25.9%	-4,892	-5,180	-287	
27.2%	-4,963	-5,216	-253	
28.4%	-5,066	-5,391	-325	
29.6%	-5,096	-5,471	-376	
30.9%	-5,231	-5,610	-379	
32.1%	-5,246	-5,686	-441	
33.3%	-5,325	-5,697	-372	
34.6%	-5,511	-5,795	-283	
35.8%	-5,575	-5,841	-266	
37.0%	-5,581	-5,917	-336	
38.3%	-5,657	-6,217	-560	
39.5%	-5,666	-6,272	-607	
40.7%	-5,784	-6,287	-503	
42.0%	-5,864	-6,346	-482	
43.2%	-6,225	-6,378	-153	
44.4%	-6,236	-6,423	-187	
45.7%	-6,278	-6,468	-190	
46.9%	-6,345	-6,509	-164	
48.1%	-6,416	-6,522	-107	
49.4%	-6,447	-6,633	-186	
50.6%	-6,451	-6,662	-211	
51.9%	-6,459	-6,914	-455	
53.1%	-6,752	-6,949	-196	
54.3%	-6,782	-6,984	-201	
55.6%	-6,884	-7,041	-157	
56.8%	-6,924	-7,246	-322	
58.0%	-7,027	-7,295	-267	
59.3%	-7,100	-7,428	-328	
60.5%	-7,123	-7,510	-387	
61.7%	-7,138	-7,792	-653	
63.0%	-7,148	-7,794	-646	
64.2%	-7,160	-7,833	-673	
65.4%	-7,168	-8,081	-912	
66.7%	-7,180	-8,136	-956	
67.9%	-7,357	-8,195	-838	
69.1%	-7,437	-8,228	-792	
70.4%	-7,633	-8,339	-706	
71.6%	-7,715	-8,366	-650	
72.8%	-7,732	-8,515	-783	
74.1%	-7,741	-8,538	-796	
75.3%	-7,810	-8,668	-859	
76.5%	-8,136	-8,746	-610	
77.8%	-8,219	-8,840	-620	
79.0%	-8,247	-8,943	-696	
80.2%	-8,400	-9,050	-650	
81.5%	-8,718	-9,159	-441	
82.7%	-9,083	-9,426	-343	
84.0%	-9,145	-9,463	-318	
85.2%	-9,204	-9,472	-268	
86.4%	-9,262	-9,670	-407	
87.7%	-9,840	-9,701	139	
88.9%	-9,888	-9,888	0	
90.1%	-9,903	-9,903	0	
91.4%	-10,010	-10,000	10	
92.6%	-10,108	-10,108	0	
93.8%	-10,117	-10,112	5	
95.1%	-10,159	-10,160	-1	
96.3%	-10,243	-10,262	-19	
97.5%	-10,260	-10,320	-59	
98.8%	-10,334	-10,445	-111	
100.0%	-10,445	-10,496	-51	

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,809	9,774	-35	-0.4%
1.2%	9,336	9,320	-16	-0.2%
2.5%	8,205	7,938	-267	-3.3%
3.7%	4,527	4,527	0	0.0%
4.9%	731	1,541	810	110.8%
6.2%	-445	-643	-198	
7.4%	-1,644	-1,660	-16	
8.6%	-1,876	-2,396	-520	
9.9%	-2,354	-3,108	-755	
11.1%	-3,550	-3,823	-273	
12.3%	-4,282	-4,157	124	
13.6%	-4,450	-4,305	144	
14.8%	-4,523	-4,374	149	
16.0%	-4,610	-4,424	187	
17.3%	-4,695	-4,515	180	
18.5%	-4,836	-4,813	23	
19.8%	-4,871	-4,832	39	
21.0%	-4,949	-4,876	72	
22.2%	-4,954	-4,906	48	
23.5%	-5,023	-4,968	54	
24.7%	-5,037	-5,032	4	
25.9%	-5,140	-5,041	99	
27.2%	-5,279	-5,178	101	
28.4%	-5,349	-5,305	45	
29.6%	-5,424	-5,464	-39	
30.9%	-5,518	-5,524	-7	
32.1%	-5,583	-5,576	7	
33.3%	-5,651	-5,683	-32	
34.6%	-5,871	-5,871	0	
35.8%	-5,871	-5,871	0	
37.0%	-5,871	-5,871	0	
38.3%	-5,871	-5,871	0	
39.5%	-5,871	-5,871	0	
40.7%	-5,871	-5,871	0	
42.0%	-5,871	-5,871	0	
43.2%	-5,871	-5,871	0	
44.4%	-5,871	-5,871	0	
45.7%	-5,871	-5,871	0	
46.9%	-5,871	-5,871	0	
48.1%	-5,871	-5,871	0	
49.4%	-5,871	-5,871	0	
50.6%	-5,871	-5,871	0	
51.9%	-5,871	-5,871	0	
53.1%	-5,871	-5,871	0	
54.3%	-5,871	-5,871	0	
55.6%	-5,871	-5,871	0	
56.8%	-5,871	-5,871	0	
58.0%	-5,871	-5,871	0	
59.3%	-5,871	-5,871	0	
60.5%	-5,871	-5,871	0	
61.7%	-5,871	-6,122	-251	
63.0%	-5,871	-6,277	-406	
64.2%	-5,944	-6,437	-494	
65.4%	-6,221	-6,474	-253	
66.7%	-6,396	-6,531	-135	
67.9%	-6,430	-6,736	-306	
69.1%	-6,467	-6,870	-403	
70.4%	-6,523	-7,142	-619	
71.6%	-7,228	-7,237	-9	
72.8%	-7,243	-8,364	-1,121	
74.1%	-8,197	-8,490	-293	
75.3%	-9,053	-8,987	66	
76.5%	-9,083	-9,010	73	
77.8%	-9,180	-9,233	-52	
79.0%	-9,233	-9,325	-92	
80.2%	-9,281	-9,357	-76	
81.5%	-9,357	-9,448	-91	
82.7%	-9,448	-9,458	-10	
84.0%	-9,467	-9,541	-74	
85.2%	-9,516	-9,567	-51	
86.4%	-9,567	-9,601	-34	
87.7%	-9,620	-9,620	0	
88.9%	-9,672	-9,658	14	
90.1%	-9,681	-9,670	12	
91.4%	-9,690	-9,681	8	
92.6%	-9,704	-9,685	18	
93.8%	-9,723	-9,700	23	
95.1%	-9,742	-9,704	39	
96.3%	-9,752	-9,723	30	
97.5%	-9,792	-9,742	49	
98.8%	-9,827	-9,832	-5	
100.0%	-9,967	-10,076	-109	

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,732	30,721	-11	0.0%
1.2%	8,781	7,849	-932	-10.6%
2.5%	6,435	6,426	-9	-0.1%
3.7%	943	2,098	1,155	122.4%
4.9%	714	689	-26	-3.6%
6.2%	153	119	-35	-22.5%
7.4%	-1,115	-390	725	
8.6%	-1,706	-1,700	6	
9.9%	-2,823	-2,823	0	
11.1%	-2,823	-2,823	0	
12.3%	-2,823	-2,823	0	
13.6%	-2,823	-2,823	0	
14.8%	-2,823	-2,823	0	
16.0%	-2,823	-2,823	0	
17.3%	-2,823	-2,823	0	
18.5%	-2,823	-2,823	0	
19.8%	-2,823	-2,823	0	
21.0%	-2,823	-2,823	0	
22.2%	-2,823	-2,823	0	
23.5%	-2,823	-2,823	0	
24.7%	-2,823	-2,823	0	
25.9%	-2,823	-2,823	0	
27.2%	-2,823	-2,823	0	
28.4%	-2,823	-2,823	0	
29.6%	-2,823	-2,823	0	
30.9%	-2,823	-2,823	0	
32.1%	-2,823	-2,823	0	
33.3%	-3,355	-3,355	0	
34.6%	-3,355	-3,355	0	
35.8%	-3,355	-3,355	0	
37.0%	-3,355	-3,355	0	
38.3%	-3,355	-3,355	0	
39.5%	-3,355	-3,355	0	
40.7%	-3,355	-3,355	0	
42.0%	-3,355	-3,355	0	
43.2%	-3,355	-3,355	0	
44.4%	-3,355	-3,355	0	
45.7%	-3,355	-3,355	0	
46.9%	-3,355	-3,355	0	
48.1%	-3,355	-3,355	0	
49.4%	-3,943	-3,355	588	
50.6%	-4,227	-3,355	872	
51.9%	-4,274	-3,953	321	
53.1%	-4,710	-4,243	467	
54.3%	-4,710	-4,343	367	
55.6%	-4,710	-4,710	0	
56.8%	-4,710	-4,710	0	
58.0%	-4,710	-4,710	0	
59.3%	-4,710	-4,710	0	
60.5%	-4,710	-4,710	0	
61.7%	-4,710	-4,710	0	
63.0%	-4,710	-4,710	0	
64.2%	-4,710	-4,710	0	
65.4%	-4,710	-4,710	0	
66.7%	-4,710	-4,710	0	
67.9%	-4,710	-4,710	0	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

Table SW-35-b

Old and Middle River, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,536	16,589	53	0.3%
1.2%	9,987	9,978	-9	-0.1%
2.5%	9,645	9,136	-509	-5.3%
3.7%	8,019	7,987	-32	-0.4%
4.9%	7,409	6,351	-1,058	-14.3%
6.2%	2,980	5,352	2,372	79.6%
7.4%	1,509	1,476	-33	-2.2%
8.6%	748	717	-31	-4.1%
9.9%	-133	-172	-39	
11.1%	-172	-288	-116	
12.3%	-255	-363	-108	
13.6%	-1,009	-399	610	
14.8%	-1,309	-915	394	
16.0%	-1,341	-1,150	190	
17.3%	-1,413	-1,157	256	
18.5%	-1,413	-1,309	104	
19.8%	-1,463	-1,341	122	
21.0%	-1,479	-1,413	66	
22.2%	-1,512	-1,413	98	
23.5%	-1,786	-1,479	307	
24.7%	-2,000	-1,512	488	
25.9%	-2,107	-1,692	415	
27.2%	-2,268	-1,786	482	
28.4%	-2,295	-1,845	450	
29.6%	-2,321	-1,973	348	
30.9%	-2,422	-2,000	422	
32.1%	-2,618	-2,107	510	
33.3%	-2,750	-2,268	482	
34.6%	-2,750	-2,287	463	
35.8%	-2,750	-2,295	455	
37.0%	-2,750	-2,321	429	
38.3%	-2,750	-2,336	414	
39.5%	-2,750	-2,386	364	
40.7%	-2,776	-2,473	303	
42.0%	-2,776	-2,634	142	
43.2%	-2,940	-2,750	190	
44.4%	-3,277	-2,750	527	
45.7%	-3,329	-2,750	579	
46.9%	-3,339	-2,750	589	
48.1%	-3,500	-2,776	724	
49.4%	-3,500	-2,857	643	
50.6%	-3,500	-3,315	185	
51.9%	-3,500	-3,339	161	
53.1%	-3,500	-3,500	0	
54.3%	-3,500	-3,500	0	
55.6%	-3,500	-3,500	0	
56.8%	-3,500	-3,500	0	
58.0%	-3,500	-3,500	0	
59.3%	-3,500	-3,500	0	
60.5%	-3,500	-3,500	0	
61.7%	-3,500	-3,500	0	
63.0%	-3,500	-3,500	0	
64.2%	-3,784	-3,500	284	
65.4%	-4,084	-3,500	584	
66.7%	-4,188	-3,500	688	
67.9%	-4,668	-3,817	850	
69.1%	-5,000	-4,085	915	
70.4%	-5,000	-4,188	812	
71.6%	-5,000	-4,461	539	
72.8%	-5,000	-4,902	98	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	29,800	29,781	-19	-0.1%
1.2%	17,575	17,528	-47	-0.3%
2.5%	11,288	11,246	-42	-0.4%
3.7%	6,656	6,643	-14	-0.2%
4.9%	4,996	4,971	-26	-0.5%
6.2%	4,993	4,946	-46	-0.9%
7.4%	3,896	3,411	-485	-12.4%
8.6%	200	397	197	98.4%
9.9%	-108	-108	0	
11.1%	-346	-354	-8	
12.3%	-460	-430	31	
13.6%	-623	-460	163	
14.8%	-1,150	-963	187	
16.0%	-1,150	-1,150	0	
17.3%	-1,150	-1,150	0	
18.5%	-1,210	-1,150	59	
19.8%	-1,358	-1,150	208	
21.0%	-1,388	-1,210	178	
22.2%	-1,447	-1,358	89	
23.5%	-1,516	-1,388	128	
24.7%	-1,734	-1,447	287	
25.9%	-1,764	-1,701	63	
27.2%	-1,831	-1,734	97	
28.4%	-2,132	-1,745	387	
29.6%	-2,167	-2,134	33	
30.9%	-2,619	-2,352	266	
32.1%	-2,807	-2,460	347	
33.3%	-3,102	-2,499	602	
34.6%	-3,158	-2,833	325	
35.8%	-3,258	-2,881	378	
37.0%	-3,323	-3,169	154	
38.3%	-3,459	-3,250	210	
39.5%	-3,500	-3,355	145	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,500	-3,500	0	
46.9%	-3,500	-3,500	0	
48.1%	-3,500	-3,500	0	
49.4%	-3,500	-3,500	0	
50.6%	-3,500	-3,500	0	
51.9%	-3,500	-3,500	0	
53.1%	-3,500	-3,500	0	
54.3%	-3,500	-3,500	0	
55.6%	-3,782	-3,500	282	
56.8%	-3,908	-3,500	408	
58.0%	-4,017	-3,587	430	
59.3%	-4,026	-3,858	168	
60.5%	-4,461	-3,908	553	
61.7%	-4,805	-4,058	747	
63.0%	-4,814	-4,451	363	
64.2%	-4,995	-4,745	250	
65.4%	-5,000	-4,803	197	
66.7%	-5,000	-4,805	195	
67.9%	-5,000	-4,995	5	
69.1%	-5,000	-5,000	0	
70.4%	-5,000	-5,000	0	
71.6%	-5,000	-5,000	0	
72.8%	-5,000	-5,000	0	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,870	9,752	-118	-1.2%
1.2%	9,731	8,960	-772	-7.9%
2.5%	6,863	6,834	-29	-0.4%
3.7%	5,676	5,662	-14	-0.2%
4.9%	4,150	4,121	-28	-0.7%
6.2%	3,723	3,704	-19	-0.5%
7.4%	3,704	3,694	-11	-0.3%
8.6%	3,187	3,187	0	0.0%
9.9%	3,163	3,148	-15	-0.5%
11.1%	3,041	3,026	-15	-0.5%
12.3%	2,816	2,812	-4	-0.2%
13.6%	2,738	2,727	-11	-0.4%
14.8%	2,688	2,688	0	0.0%
16.0%	2,615	2,615	0	0.0%
17.3%	2,360	2,360	0	0.0%
18.5%	2,358	2,358	0	0.0%
19.8%	2,352	2,336	-16	-0.7%
21.0%	2,173	2,173	0	0.0%
22.2%	2,112	2,112	0	0.0%
23.5%	2,009	2,008	-1	0.0%
24.7%	2,008	2,002	-6	-0.3%
25.9%	1,993	1,993	0	0.0%
27.2%	1,940	1,940	0	0.0%
28.4%	1,877	1,877	0	0.0%
29.6%	1,754	1,754	0	0.0%
30.9%	1,733	1,733	0	0.0%
32.1%	1,605	1,604	0	0.0%
33.3%	1,577	1,553	-24	-1.5%
34.6%	1,466	1,457	-9	-0.6%
35.8%	1,457	1,446	-11	-0.8%
37.0%	1,431	1,431	0	0.0%
38.3%	1,424	1,424	0	0.0%
39.5%	1,421	1,421	0	0.0%
40.7%	1,341	1,341	0	0.0%
42.0%	1,035	1,035	0	0.0%
43.2%	1,030	1,030	0	0.0%
44.4%	958	958	0	0.0%
45.7%	936	936	0	0.0%
46.9%	874	828	-46	-5.2%
48.1%	797	798	0	0.0%
49.4%	771	771	0	0.0%
50.6%	725	722	-3	-0.5%
51.9%	652	652	0	0.0%
53.1%	641	641	0	0.0%
54.3%	614	614	0	0.0%
55.6%	564	564	0	0.0%
56.8%	485	485	0	0.0%
58.0%	450	435	-15	-3.4%
59.3%	399	400	1	0.2%
60.5%	289	289	0	0.0%
61.7%	29	29	0	
63.0%	-48	-48	0	
64.2%	-109	-109	0	
65.4%	-162	-162	0	
66.7%	-171	-170	0	
67.9%	-213	-197	16	
69.1%	-266	-213	53	
70.4%	-272	-266	5	
71.6%	-296	-296	0	
72.8%	-303	-303	0	
74.1%	-329	-328	0	
75.3%	-383	-383	0	
76.5%	-440	-440	0	
77.8%	-453	-462	-10	
79.0%	-463	-463	0	
80.2%	-526	-526	0	
81.5%	-719	-724	-5	
82.7%	-741	-729	12	
84.0%	-741	-741	1	
85.2%	-756	-741	15	
86.4%	-764	-764	0	
87.7%	-859	-859	0	
88.9%	-965	-865	101	
90.1%	-1,003	-965	38	
91.4%	-1,053	-1,057	-4	
92.6%	-1,105	-1,105	0	
93.8%	-1,129	-1,127	2	
95.1%	-1,265	-1,150	115	
96.3%	-1,396	-1,265	131	
97.5%	-1,616	-1,396	219	
98.8%	-2,014	-1,831	182	
100.0%	-2,253	-2,254	0	

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,232	8,191	-40	-0.5%
1.2%	5,809	5,665	-144	-2.5%
2.5%	5,453	5,414	-40	-0.7%
3.7%	4,813	4,775	-38	-0.8%
4.9%	4,487	4,446	-40	-0.9%
6.2%	4,282	4,225	-58	-1.3%
7.4%	3,038	2,979	-58	-1.9%
8.6%	2,964	2,942	-22	-0.7%
9.9%	2,891	2,881	-10	-0.4%
11.1%	2,474	2,452	-22	-0.9%
12.3%	2,387	2,420	33	1.4%
13.6%	2,335	2,315	-20	-0.9%
14.8%	2,107	2,107	0	0.0%
16.0%	1,996	1,996	0	0.0%
17.3%	1,737	1,715	-22	-1.3%
18.5%	1,702	1,702	0	0.0%
19.8%	1,682	1,660	-23	-1.4%
21.0%	1,666	1,643	-23	-1.4%
22.2%	1,642	1,642	0	0.0%
23.5%	1,205	1,205	0	0.0%
24.7%	1,129	1,129	0	0.0%
25.9%	1,105	1,105	0	0.0%
27.2%	1,053	1,047	-6	-0.5%
28.4%	1,047	999	-49	-4.7%
29.6%	999	962	-36	-3.7%
30.9%	814	814	0	0.0%
32.1%	596	596	0	0.0%
33.3%	589	589	0	0.0%
34.6%	515	515	0	-0.1%
35.8%	465	465	0	0.0%
37.0%	443	440	-3	-0.7%
38.3%	368	367	-1	-0.2%
39.5%	365	365	0	0.0%
40.7%	283	282	0	0.0%
42.0%	272	272	-1	-0.2%
43.2%	193	193	0	0.1%
44.4%	169	123	-46	-27.2%
45.7%	119	119	0	0.0%
46.9%	114	114	0	-0.2%
48.1%	63	63	0	-0.1%
49.4%	42	42	0	0.0%
50.6%	-5	-5	0	
51.9%	-179	-179	0	
53.1%	-189	-188	0	
54.3%	-204	-204	0	
55.6%	-211	-211	0	
56.8%	-269	-269	0	
58.0%	-312	-312	0	
59.3%	-368	-368	1	
60.5%	-463	-464	0	
61.7%	-467	-467	0	
63.0%	-522	-522	0	
64.2%	-550	-550	0	
65.4%	-555	-555	0	
66.7%	-565	-559	6	
67.9%	-568	-568	0	
69.1%	-590	-590	0	
70.4%	-619	-619	0	
71.6%	-629	-640	-11	
72.8%	-640	-650	-10	
74.1%	-650	-675	-25	
75.3%	-657	-675	-19	
76.5%	-675	-687	-12	
77.8%	-686	-749	-62	
79.0%	-773	-778	-5	
80.2%	-778	-779	-1	
81.5%	-878	-878	0	
82.7%	-1,112	-1,056	56	
84.0%	-1,118	-1,094	24	
85.2%	-1,150	-1,113	38	
86.4%	-1,150	-1,143	7	
87.7%	-1,150	-1,150	0	
88.9%	-1,150	-1,150	0	
90.1%	-1,150	-1,150	0	
91.4%	-1,150	-1,150	0	
92.6%	-1,287	-1,150	137	
93.8%	-1,325	-1,287	37	
95.1%	-1,338	-1,459	-120	
96.3%	-1,541	-1,541	0	
97.5%	-1,577	-1,577	0	
98.8%	-1,702	-1,702	0	
100.0%	-1,933	-1,933	0	

Table SW-35-b

Old and Middle River, Monthly Flow
Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,150	-415	735	
1.2%	-1,150	-1,150	0	
2.5%	-1,150	-1,150	0	
3.7%	-1,150	-1,150	0	
4.9%	-1,150	-1,150	0	
6.2%	-1,150	-1,150	0	
7.4%	-1,150	-1,150	0	
8.6%	-1,150	-1,150	0	
9.9%	-1,150	-1,150	0	
11.1%	-1,150	-1,150	0	
12.3%	-1,150	-1,150	0	
13.6%	-1,150	-1,150	0	
14.8%	-1,150	-1,150	0	
16.0%	-1,825	-1,150	674	
17.3%	-2,433	-1,150	1,282	
18.5%	-2,508	-1,766	743	
19.8%	-3,047	-3,089	-41	
21.0%	-3,125	-3,407	-282	
22.2%	-3,188	-3,500	-312	
23.5%	-3,379	-3,500	-121	
24.7%	-3,500	-3,500	0	
25.9%	-3,500	-3,500	0	
27.2%	-3,500	-3,500	0	
28.4%	-3,500	-3,500	0	
29.6%	-3,500	-3,500	0	
30.9%	-3,500	-3,500	0	
32.1%	-3,500	-3,500	0	
33.3%	-3,500	-3,500	0	
34.6%	-3,500	-3,500	0	
35.8%	-3,500	-3,500	0	
37.0%	-3,500	-3,500	0	
38.3%	-3,500	-3,500	0	
39.5%	-3,500	-3,500	0	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,500	-3,500	0	
46.9%	-3,500	-3,500	0	
48.1%	-3,500	-3,500	0	
49.4%	-3,500	-3,500	0	
50.6%	-3,500	-3,500	0	
51.9%	-3,500	-3,500	0	
53.1%	-3,500	-3,500	0	
54.3%	-3,500	-3,500	0	
55.6%	-3,500	-4,052	-552	
56.8%	-3,824	-4,080	-256	
58.0%	-3,979	-4,115	-136	
59.3%	-4,052	-4,183	-131	
60.5%	-4,058	-4,215	-157	
61.7%	-4,120	-4,276	-156	
63.0%	-4,166	-4,305	-139	
64.2%	-4,326	-4,327	-1	
65.4%	-4,329	-4,330	-1	
66.7%	-4,355	-4,393	-38	
67.9%	-4,374	-4,519	-145	
69.1%	-4,394	-4,569	-175	
70.4%	-4,505	-4,601	-95	
71.6%	-4,549	-4,634	-85	
72.8%	-4,605	-4,670	-65	
74.1%	-4,633	-4,797	-164	
75.3%	-4,670	-4,854	-183	
76.5%	-4,720	-4,869	-148	
77.8%	-4,797	-4,932	-135	
79.0%	-4,806	-4,958	-152	
80.2%	-4,823	-5,000	-177	
81.5%	-4,856	-5,000	-144	
82.7%	-4,918	-5,000	-82	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-2,252	-2,306	-54	
1.2%	-2,901	-3,328	-427	
2.5%	-3,141	-3,400	-260	
3.7%	-3,201	-3,632	-432	
4.9%	-3,590	-3,991	-401	
6.2%	-3,938	-4,668	-730	
7.4%	-4,366	-5,653	-1,288	
8.6%	-4,464	-5,726	-1,262	
9.9%	-4,507	-5,807	-1,300	
11.1%	-5,014	-6,340	-1,327	
12.3%	-5,924	-6,374	-451	
13.6%	-6,041	-6,868	-827	
14.8%	-6,083	-6,877	-795	
16.0%	-6,250	-7,070	-820	
17.3%	-6,312	-7,229	-917	
18.5%	-6,325	-7,233	-908	
19.8%	-6,691	-7,368	-677	
21.0%	-6,908	-7,605	-697	
22.2%	-7,217	-7,676	-458	
23.5%	-7,301	-7,734	-434	
24.7%	-7,372	-7,745	-373	
25.9%	-7,385	-7,977	-592	
27.2%	-7,483	-7,979	-496	
28.4%	-7,553	-8,029	-477	
29.6%	-7,614	-8,284	-669	
30.9%	-7,709	-8,316	-607	
32.1%	-7,978	-8,715	-737	
33.3%	-8,016	-8,755	-739	
34.6%	-8,063	-8,856	-793	
35.8%	-8,108	-9,048	-940	
37.0%	-8,251	-9,064	-814	
38.3%	-8,327	-9,113	-786	
39.5%	-8,412	-9,141	-729	
40.7%	-8,711	-9,163	-453	
42.0%	-8,795	-9,179	-384	
43.2%	-8,824	-9,311	-487	
44.4%	-9,108	-9,385	-277	
45.7%	-9,176	-9,404	-227	
46.9%	-9,262	-9,512	-250	
48.1%	-9,285	-9,624	-339	
49.4%	-9,515	-9,697	-181	
50.6%	-9,544	-9,712	-169	
51.9%	-9,633	-9,731	-98	
53.1%	-9,727	-9,739	-12	
54.3%	-9,727	-9,742	-15	
55.6%	-9,739	-9,916	-177	
56.8%	-9,743	-9,930	-188	
58.0%	-9,883	-9,932	-49	
59.3%	-9,931	-9,995	-64	
60.5%	-9,963	-10,124	-161	
61.7%	-9,987	-10,140	-153	
63.0%	-10,026	-10,195	-169	
64.2%	-10,067	-10,260	-193	
65.4%	-10,259	-10,285	-25	
66.7%	-10,260	-10,302	-43	
67.9%	-10,291	-10,406	-114	
69.1%	-10,369	-10,444	-75	
70.4%	-10,376	-10,448	-72	
71.6%	-10,385	-10,639	-254	
72.8%	-10,405	-10,659	-254	
74.1%	-10,413	-10,725	-312	
75.3%	-10,444	-10,760	-317	
76.5%	-10,495	-10,826	-331	
77.8%	-10,579	-10,889	-310	
79.0%	-10,695	-11,003	-308	
80.2%	-10,790	-11,032	-242	
81.5%	-10,830	-11,088	-258	
82.7%	-10,863	-11,171	-308	
84.0%	-10,910	-11,178	-269	
85.2%	-11,004	-11,213	-210	
86.4%	-11,080	-11,223	-143	
87.7%	-11,087	-11,315	-228	
88.9%	-11,153	-11,328	-175	
90.1%	-11,179	-11,341	-162	
91.4%	-11,232	-11,371	-139	
92.6%	-11,283	-11,423	-140	
93.8%	-11,327	-11,456	-129	
95.1%	-11,354	-11,519	-165	
96.3%	-11,422	-11,563	-142	
97.5%	-11,519	-11,610	-91	
98.8%	-11,564	-11,712	-148	
100.0%	-11,713	-11,712	1	

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,955	-2,686	-732	
1.2%	-2,173	-3,049	-876	
2.5%	-2,309	-3,217	-909	
3.7%	-2,400	-3,576	-1,176	
4.9%	-2,583	-3,624	-1,041	
6.2%	-2,623	-3,708	-1,086	
7.4%	-2,794	-3,788	-995	
8.6%	-2,940	-3,799	-859	
9.9%	-2,969	-3,810	-842	
11.1%	-3,074	-4,125	-1,051	
12.3%	-3,503	-4,358	-855	
13.6%	-3,548	-4,839	-1,291	
14.8%	-3,642	-4,997	-1,356	
16.0%	-3,884	-5,453	-1,569	
17.3%	-3,899	-5,633	-1,735	
18.5%	-4,024	-5,987	-1,963	
19.8%	-4,140	-6,111	-1,971	
21.0%	-4,384	-6,420	-2,036	
22.2%	-4,589	-6,793	-2,204	
23.5%	-4,863	-6,874	-2,011	
24.7%	-5,395	-7,613	-2,218	
25.9%	-6,011	-7,897	-1,886	
27.2%	-6,750	-8,026	-1,276	
28.4%	-7,064	-8,221	-1,157	
29.6%	-7,169	-8,470	-1,301	
30.9%	-7,378	-8,738	-1,360	
32.1%	-7,798	-8,807	-1,009	
33.3%	-8,332	-8,854	-522	
34.6%	-8,680	-9,164	-485	
35.8%	-8,854	-9,226	-372	
37.0%	-8,973	-9,424	-451	
38.3%	-9,070	-9,540	-471	
39.5%	-9,088	-9,559	-471	
40.7%	-9,098	-9,573	-475	
42.0%	-9,395	-9,832	-437	
43.2%	-9,585	-9,838	-253	
44.4%	-9,677	-9,851	-174	
45.7%	-9,793	-9,868	-75	
46.9%	-9,821	-9,915	-93	
48.1%	-9,832	-9,984	-152	
49.4%	-9,868	-10,109	-241	
50.6%	-9,891	-10,159	-268	
51.9%	-9,939	-10,159	-220	
53.1%	-9,949	-10,213	-264	
54.3%	-10,036	-10,232	-195	
55.6%	-10,159	-10,238	-79	
56.8%	-10,195	-10,273	-78	
58.0%	-10,213	-10,292	-79	
59.3%	-10,232	-10,314	-82	
60.5%	-10,238	-10,324	-86	
61.7%	-10,265	-10,336	-71	
63.0%	-10,274	-10,349	-75	
64.2%	-10,292	-10,378	-86	
65.4%	-10,295	-10,397	-102	
66.7%	-10,296	-10,511	-214	
67.9%	-10,349	-10,522	-173	
69.1%	-10,397	-10,549	-152	
70.4%	-10,511	-10,587	-77	
71.6%	-10,549	-10,678	-129	
72.8%	-10,587	-10,710	-124	
74.1%	-10,651	-10,739	-88	
75.3%	-10,652	-10,746	-94	
76.5%	-10,679	-10,752	-74	
77.8%	-10,709	-10,758	-49	
79.0%	-10,739	-10,796	-57	
80.2%	-10,752	-10,812	-60	
81.5%	-10,758	-10,825	-67	
82.7%	-10,795	-10,847	-52	
84.0%	-10,825	-10,855	-29	
85.2%	-10,847	-10,898	-51	
86.4%	-10,855	-10,903	-49	
87.7%	-10,899	-10,906	-7	
88.9%	-10,903	-10,919	-16	
90.1%	-10,906	-10,923	-18	
91.4%	-10,919	-10,925	-6	
92.6%	-10,923	-10,941	-18	
93.8%	-10,924	-10,948	-24	
95.1%	-10,930	-10,966	-36	
96.3%	-10,966	-10,992	-27	
97.5%	-10,997	-10,997	0	
98.8%	-11,023	-10,997	25	
100.0%	-11,119	-11,119	0	

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,449	-1,247	202	
1.2%	-1,450	-3,329	-1,878	
2.5%	-2,523	-3,704	-1,181	
3.7%	-3,078	-3,765	-687	
4.9%	-3,193	-3,879	-686	
6.2%	-3,301	-4,050	-750	
7.4%	-3,430	-4,138	-708	
8.6%	-3,483	-4,235	-752	
9.9%	-3,779	-4,320	-541	
11.1%	-3,789	-4,406	-617	
12.3%	-3,852	-4,565	-713	
13.6%	-4,129	-4,565	-437	
14.8%	-4,213	-4,878	-666	
16.0%	-4,360	-4,962	-602	
17.3%	-4,594	-5,095	-501	
18.5%	-4,653	-5,114	-461	
19.8%	-4,657	-5,132	-474	
21.0%	-4,668	-5,550	-882	
22.2%	-4,756	-5,583	-827	
23.5%	-4,791	-6,417	-1,626	
24.7%	-4,958	-6,451	-1,493	
25.9%	-4,984	-6,602	-1,619	
27.2%	-5,062	-6,605	-1,543	
28.4%	-5,149	-6,875	-1,727	
29.6%	-5,156	-7,141	-1,986	
30.9%	-5,550	-7,411	-1,860	
32.1%	-5,577	-7,427	-1,850	
33.3%	-5,600	-7,511	-1,911	
34.6%	-5,781	-7,611	-1,830	
35.8%	-5,955	-7,628	-1,673	
37.0%	-6,002	-7,710	-1,708	
38.3%	-6,234	-7,814	-1,579	
39.5%	-6,375	-8,220	-1,845	
40.7%	-6,491	-8,280	-1,789	
42.0%	-6,596	-8,318	-1,722	
43.2%	-6,783	-8,400	-1,618	
44.4%	-6,796	-8,454	-1,658	
45.7%	-6,805	-8,485	-1,679	
46.9%	-6,846	-8,539	-1,693	
48.1%	-6,909	-8,547	-1,637	
49.4%	-7,206	-8,597	-1,391	
50.6%	-7,402	-8,671	-1,269	
51.9%	-7,419	-8,684	-1,265	
53.1%	-7,831	-8,689	-859	
54.3%	-7,863	-8,705	-842	
55.6%	-8,004	-8,931	-928	
56.8%	-8,035	-8,980	-945	
58.0%	-8,400	-8,989	-589	
59.3%	-8,430	-9,039	-609	
60.5%	-8,537	-9,075	-538	
61.7%	-8,572	-9,089	-517	
63.0%	-8,676	-9,338	-662	
64.2%	-8,692	-9,389	-697	
65.4%	-8,737	-9,405	-669	
66.7%	-8,760	-9,460	-700	
67.9%	-8,763	-9,505	-742	
69.1%	-8,793	-9,545	-752	
70.4%	-8,808	-9,566	-758	
71.6%	-8,810	-9,627	-817	
72.8%	-8,963	-9,730	-767	
74.1%	-9,105	-9,737	-632	
75.3%	-9,144	-9,788	-644	
76.5%	-9,161	-9,862	-700	
77.8%	-9,177	-9,911	-734	
79.0%	-9,486	-9,937	-451	
80.2%	-9,584	-9,947	-363	
81.5%	-9,586	-10,022	-436	
82.7%	-9,627	-10,029	-402	
84.0%	-9,702	-10,049	-347	
85.2%	-9,774	-10,053	-280	
86.4%	-9,849	-10,074	-225	
87.7%	-9,859	-10,084	-225	
88.9%	-9,884	-10,092	-208	
90.1%	-10,032	-10,133	-101	
91.4%	-10,053	-10,169	-116	
92.6%	-10,066	-10,251	-186	
93.8%	-10,175	-10,276	-102	
95.1%	-10,178	-10,292	-114	
96.3%	-10,292	-10,337	-46	
97.5%	-10,362	-10,360	2	
98.8%	-10,383	-10,382	0	
100.0%	-10,461	-10,454	7	

Figure SW-36-b
Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion
Probability of Exceedance

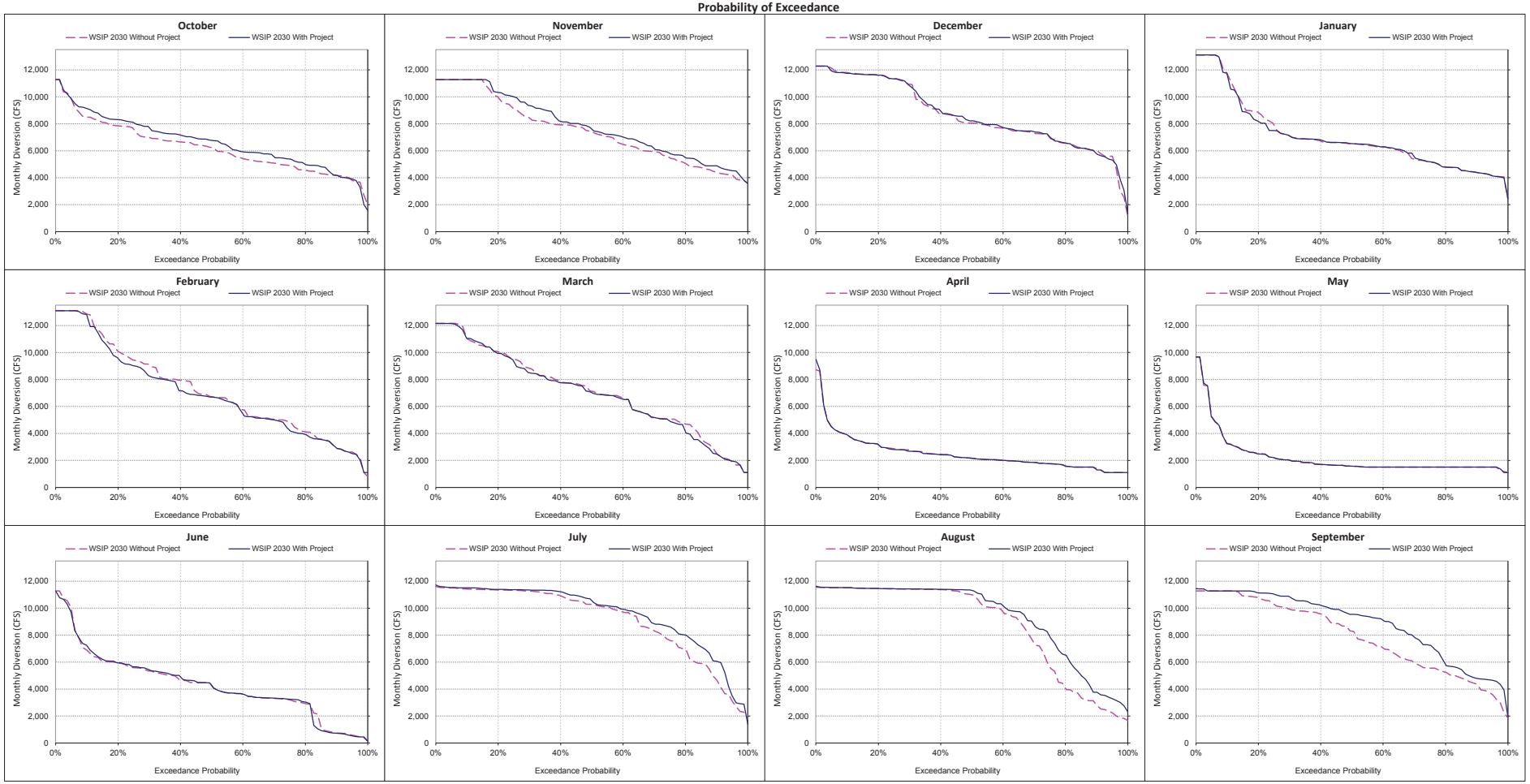


Table SW-36-b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	10,374	10,515	141	1.4%
3.7%	10,304	10,215	-88	-0.9%
4.9%	9,912	9,881	-31	-0.3%
6.2%	9,186	9,516	330	3.6%
7.4%	8,888	9,258	370	4.2%
8.6%	8,562	9,228	666	7.8%
9.9%	8,494	9,134	639	7.5%
11.1%	8,486	9,038	552	6.5%
12.3%	8,337	8,869	533	6.4%
13.6%	8,276	8,791	515	6.2%
14.8%	8,116	8,547	431	5.3%
16.0%	8,083	8,454	371	4.6%
17.3%	7,925	8,345	420	5.3%
18.5%	7,889	8,336	448	5.7%
19.8%	7,854	8,316	463	5.9%
21.0%	7,825	8,284	459	5.9%
22.2%	7,795	8,222	427	5.5%
23.5%	7,788	8,150	362	4.6%
24.7%	7,700	8,118	418	5.4%
25.9%	7,307	7,959	652	8.9%
27.2%	7,080	7,902	822	11.6%
28.4%	7,023	7,812	789	11.2%
29.6%	7,020	7,805	785	11.2%
30.9%	6,913	7,475	562	8.1%
32.1%	6,903	7,448	545	7.9%
33.3%	6,872	7,388	516	7.5%
34.6%	6,779	7,305	526	7.8%
35.8%	6,732	7,280	548	8.1%
37.0%	6,731	7,248	517	7.7%
38.3%	6,721	7,246	525	7.8%
39.5%	6,666	7,189	522	7.8%
40.7%	6,639	7,110	471	7.1%
42.0%	6,618	7,048	430	6.5%
43.2%	6,607	7,032	425	6.4%
44.4%	6,442	6,960	518	8.0%
45.7%	6,433	6,890	457	7.1%
46.9%	6,403	6,875	471	7.4%
48.1%	6,338	6,864	527	8.3%
49.4%	6,261	6,791	530	8.5%
50.6%	6,220	6,757	537	8.6%
51.9%	5,955	6,742	787	13.2%
53.1%	5,949	6,532	583	9.8%
54.3%	5,897	6,478	581	9.9%
55.6%	5,832	6,305	473	8.1%
56.8%	5,675	6,086	411	7.3%
58.0%	5,503	6,048	545	9.9%
59.3%	5,474	5,936	463	8.5%
60.5%	5,393	5,904	512	9.5%
61.7%	5,332	5,892	560	10.5%
63.0%	5,295	5,889	594	11.2%
64.2%	5,228	5,873	645	12.3%
65.4%	5,206	5,844	638	12.2%
66.7%	5,166	5,776	610	11.8%
67.9%	5,145	5,766	621	12.1%
69.1%	5,104	5,739	635	12.4%
70.4%	5,072	5,483	411	8.1%
71.6%	4,994	5,474	479	9.6%
72.8%	4,959	5,465	506	10.2%
74.1%	4,934	5,410	476	9.6%
75.3%	4,909	5,386	477	9.7%
76.5%	4,831	5,231	400	8.3%
77.8%	4,602	5,150	548	11.9%
79.0%	4,583	5,140	557	12.2%
80.2%	4,554	4,967	413	9.1%
81.5%	4,488	4,928	441	9.8%
82.7%	4,486	4,928	442	9.9%
84.0%	4,380	4,898	518	11.8%
85.2%	4,289	4,815	526	12.3%
86.4%	4,269	4,765	497	11.6%
87.7%	4,204	4,453	249	5.9%
88.9%	4,192	4,237	45	1.1%
90.1%	4,164	4,170	6	0.2%
91.4%	4,134	4,042	-92	-2.2%
92.6%	4,063	4,023	-40	-1.0%
93.8%	4,023	3,954	-68	-1.7%
95.1%	3,795	3,908	113	3.0%
96.3%	3,701	3,782	82	2.2%
97.5%	3,674	3,291	-383	-10.4%
98.8%	2,709	2,000	-709	-26.2%
100.0%	2,000	1,599	-401	-20.1%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,280	11,280	0	0.0%
6.2%	11,280	11,280	0	0.0%
7.4%	11,280	11,280	0	0.0%
8.6%	11,280	11,280	0	0.0%
9.9%	11,280	11,280	0	0.0%
11.1%	11,280	11,280	0	0.0%
12.3%	11,280	11,280	0	0.0%
13.6%	11,280	11,280	0	0.0%
14.8%	11,280	11,280	0	0.0%
16.0%	10,842	11,280	438	4.0%
17.3%	10,523	11,130	607	5.8%
18.5%	10,102	10,390	288	2.9%
19.8%	10,032	10,345	313	3.1%
21.0%	9,668	10,301	633	6.5%
22.2%	9,512	10,148	636	6.7%
23.5%	9,452	10,100	649	6.9%
24.7%	9,171	10,026	854	9.3%
25.9%	9,017	9,924	907	10.1%
27.2%	8,787	9,613	826	9.4%
28.4%	8,568	9,594	1,025	12.0%
29.6%	8,508	9,373	866	10.2%
30.9%	8,276	9,318	1,043	12.6%
32.1%	8,228	9,157	929	11.3%
33.3%	8,215	9,145	930	11.3%
34.6%	8,186	9,048	862	10.5%
35.8%	8,081	8,965	883	10.9%
37.0%	7,967	8,922	955	12.0%
38.3%	7,941	8,512	571	7.2%
39.5%	7,933	8,225	292	3.7%
40.7%	7,913	8,147	235	3.0%
42.0%	7,909	8,144	235	3.0%
43.2%	7,899	8,027	128	1.6%
44.4%	7,811	8,021	210	2.7%
45.7%	7,779	8,018	239	3.1%
46.9%	7,731	7,912	181	2.3%
48.1%	7,511	7,872	362	4.8%
49.4%	7,445	7,738	293	3.9%
50.6%	7,334	7,469	136	1.8%
51.9%	7,226	7,418	192	2.7%
53.1%	7,164	7,346	182	2.5%
54.3%	7,066	7,231	165	2.3%
55.6%	7,042	7,213	171	2.4%
56.8%	6,964	7,189	224	3.2%
58.0%	6,633	7,135	502	7.6%
59.3%	6,532	7,072	540	8.3%
60.5%	6,443	6,991	548	8.5%
61.7%	6,358	6,894	536	8.4%
63.0%	6,325	6,880	555	8.8%
64.2%	6,250	6,792	541	8.7%
65.4%	6,080	6,644	564	9.3%
66.7%	5,997	6,565	568	9.5%
67.9%	5,975	6,393	418	7.0%
69.1%	5,954	6,352	399	6.7%
70.4%	5,912	6,084	172	2.9%
71.6%	5,886	6,054	168	2.9%
72.8%	5,658	5,954	297	5.2%
74.1%	5,626	5,919	293	5.2%
75.3%	5,430	5,770	340	6.3%
76.5%	5,393	5,697	304	5.6%
77.8%	5,195	5,694	499	9.6%
79.0%	5,177	5,659	482	9.3%
80.2%	5,029	5,453	424	8.4%
81.5%	4,841	5,452	611	12.6%
82.7%	4,819	5,414	596	12.4%
84.0%	4,812	5,264	452	9.4%
85.2%	4,742	5,042	300	6.3%
86.4%	4,649	4,892	243	5.2%
87.7%	4,608	4,883	275	6.0%
88.9%	4,472	4,881	409	9.1%
90.1%	4,405	4,880	475	10.8%
91.4%	4,312	4,737	425	9.9%
92.6%	4,271	4,634	363	8.5%
93.8%	4,227	4,581	354	8.4%
95.1%	4,207	4,519	312	7.4%
96.3%	3,898	4,502	605	15.5%
97.5%	3,820	4,152	332	8.7%
98.8%	3,802	3,802	0	0.0%
100.0%	3,571	3,571	0	0.0%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,278	12,278	0	0.0%
1.2%	12,278	12,278	0	0.0%
2.5%	12,278	12,278	0	0.0%
3.7%	12,278	12,278	0	0.0%
4.9%	12,138	11,928	-210	-1.7%
6.2%	11,928	11,810	-118	-1.0%
7.4%	11,810	11,808	-2	0.0%
8.6%	11,808	11,804	-4	0.0%
9.9%	11,804	11,748	-56	-0.5%
11.1%	11,748	11,742	-6	-0.1%
12.3%	11,742	11,689	-53	-0.5%
13.6%	11,689	11,686	-3	0.0%
14.8%	11,686	11,663	-23	-0.2%
16.0%	11,677	11,654	-22	-0.2%
17.3%	11,663	11,642	-21	-0.2%
18.5%	11,654	11,642	-13	-0.1%
19.8%	11,642	11,616	-26	-0.2%
21.0%	11,616	11,602	-14	-0.1%
22.2%	11,550	11,505	-45	-0.4%
23.5%	11,349	11,375	26	0.2%
24.7%	11,344	11,340	-4	0.0%
25.9%	11,316	11,338	23	0.2%
27.2%	11,206	11,268	62	0.6%
28.4%	11,168	11,174	6	0.1%
29.6%	10,947	10,900	-47	-0.4%
30.9%	10,908	10,671	-237	-2.2%
32.1%	9,812	10,406	594	6.1%
33.3%	9,795	9,978	183	1.9%
34.6%	9,434	9,720	286	3.0%
35.8%	9,317	9,434	117	1.3%
37.0%	9,140	9,382	242	2.6%
38.3%	9,094	9,105	11	0.1%
39.5%	8,763	9,081	318	3.6%
40.7%	8,762	8,763	0	0.0%
42.0%	8,697	8,758	61	0.7%
43.2%	8,654	8,697	43	0.5%
44.4%	8,561	8,595	34	0.4%
45.7%	8,215	8,561	346	4.2%
46.9%	8,112	8,560	448	5.5%
48.1%	8,082	8,314	233	2.9%
49.4%	8,057	8,215	158	2.0%
50.6%	8,050	8,212	162	2.0%
51.9%	8,046	8,148	102	1.3%
53.1%	7,943	8,057	114	1.4%
54.3%	7,940	7,949	9	0.1%
55.6%	7,862	7,943	80	1.0%
56.8%	7,718	7,940	222	2.9%
58.0%	7,717	7,925	208	2.7%
59.3%	7,692	7,799	107	1.4%
60.5%	7,655	7,692	37	0.5%
61.7%	7,607	7,642	35	0.5%
63.0%	7,494	7,607	114	1.5%
64.2%	7,463	7,494	31	0.4%
65.4%	7,458	7,492	35	0.5%
66.7%	7,454	7,463	9	0.1%
67.9%	7,413	7,459	47	0.6%
69.1%	7,375	7,458	82	1.1%
70.4%	7,277	7,395	117	1.6%
71.6%	7,273	7,375	102	1.4%
72.8%	7,248	7,277	30	0.4%
74.1%	7,222	7,256	35	0.5%
75.3%	6,881	6,962	81	1.2%
76.5%	6,829	6,728	-102	-1.5%
77.8%	6,648	6,686	38	0.6%
79.0%	6,583	6,616	33	0.5%
80.2%	6,563	6,552	-11	-0.2%
81.5%	6,524	6,512	-12	-0.2%
82.7%	6,401	6,313	-88	-1.4%
84.0%	6,270	6,201	-69	-1.1%
85.2%	6,216	6,187	-30	-0.5%
86.4%	6,154	6,180	26	0.4%
87.7%	6,078	6,101	22	0.4%
88.9%	6,030	6,017	-13	-0.2%
90.1%	5,994	5,752	-242	-4.0%
91.4%	5,782	5,644	-138	-2.4%
92.6%	5,597	5,557	-40	-0.7%
93.8%	5,595	5,386	-209	-3.7%
95.1%	5,591	5,298	-293	-5.2%
96.3%	4,658	4,960	302	6.5%
97.5%	3,021	3,905	884	29.3%
98.8%	2,552	3,067	515	20.2%
100.0%	1,100	1,316	216	19.6%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,100	13,100	0	0.0%
1.2%	13,100	13,100	0	0.0%
2.5%	13,100	13,100	0	0.0%
3.7%	13,100	13,100	0	0.0%
4.9%	13,100	13,100	0	0.0%
6.2%	13,100	13,100	0	0.0%
7.4%	12,983	12,948	-34	-0.3%
8.6%	12,131	11,818	-313	-2.6%
9.9%	11,766	11,766	0	0.0%
11.1%	11,166	10,569	-597	-5.3%
12.3%	10,570	10,506	-64	-0.6%
13.6%	10,057	10,033	-24	-0.2%
14.8%	9,526	8,913	-613	-6.4%
16.0%	8,989	8,871	-118	-1.3%
17.3%	8,980	8,733	-247	-2.7%
18.5%	8,913	8,329	-584	-6.5%
19.8%	8,882	8,209	-673	-7.6%
21.0%	8,656	8,044	-612	-7.1%
22.2%	8,337	8,039	-298	-3.6%
23.5%	8,209	7,508	-701	-8.5%
24.7%	8,044	7,502	-542	-6.7%
25.9%	7,520	7,493	-27	-0.4%
27.2%	7,292	7,292	0	0.0%
28.4%	7,237	7,237	0	0.0%
29.6%	7,157	7,157	0	0.0%
30.9%	6,990	6,990	0	0.0%
32.1%	6,948	6,906	-41	-0.6%
33.3%	6,898	6,894	-3	-0.1%
34.6%	6,889	6,894	5	0.1%
35.8%	6,858	6,858	0	0.0%
37.0%	6,855	6,858	3	0.0%
38.3%	6,820	6,848	28	0.4%
39.5%	6,761	6,821	60	0.9%
40.7%	6,648	6,754	106	1.6%
42.0%	6,638	6,638	0	0.0%
43.2%	6,619	6,626	8	0.1%
44.4%	6,616	6,620	4	0.1%
45.7%	6,609	6,609	1	0.0%
46.9%	6,601	6,601	0	0.0%
48.1%	6,554	6,592	39	0.6%
49.4%	6,524	6,540	17	0.3%
50.6%	6,520	6,526	6	0.1%
51.9%	6,493	6,508	15	0.2%
53.1%	6,468	6,500	32	0.5%
54.3%	6,413	6,490	77	1.2%
55.6%	6,386	6,467	81	1.3%
56.8%	6,359	6,414	55	0.9%
58.0%	6,298	6,343	45	0.7%
59.3%	6,288	6,298	11	0.2%
60.5%	6,282	6,283	1	0.0%
61.7%	6,221	6,241	20	0.3%
63.0%	6,111	6,221	109	1.8%
64.2%	6,091	6,111	20	0.3%
65.4%	6,010	6,091	81	1.4%
66.7%	5,834	6,010	175	3.0%
67.9%	5,830	5,834	4	0.1%
69.1%	5,435	5,830	395	7.3%
70.4%	5,339	5,436	97	1.8%
71.6%	5,292	5,365	72	1.4%
72.8%	5,290	5,292	3	0.1%
74.1%	5,205	5,207	2	0.0%
75.3%	5,167	5,167	0	0.0%
76.5%	5,108	5,108	0	0.0%
77.8%	5,003	5,003	0	0.0%
79.0%	4,811	4,811	0	0.0%
80.2%	4,784	4,784	0	0.0%
81.5%	4,760	4,760	0	0.0%
82.7%	4,759	4,759	0	0.0%
84.0%	4,745	4,745	0	0.0%
85.2%	4,527	4,530	3	0.1%
86.4%	4,516	4,520	4	0.1%
87.7%	4,450	4,450	0	0.0%
88.9%	4,440	4,440	0	0.0%
90.1%	4,385	4,388	3	0.1%
91.4%	4,341	4,341	0	0.0%
92.6%	4,309	4,309	0	0.0%
93.8%	4,257	4,257	0	0.0%
95.1%	4,135	4,135	0	0.0%
96.3%	4,110	4,103	-7	-0.2%
97.5%	4,080	4,049	-31	-0.8%
98.8%	4,059	4,005	-54	-1.3%
100.0%	2,443	2,437	-6	-0.3%

Table SW-36-b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,100	13,100	0	0.0%
1.2%	13,100	13,100	0	0.0%
2.5%	13,100	13,100	0	0.0%
3.7%	13,100	13,100	0	0.0%
4.9%	13,100	13,100	0	0.0%
6.2%	13,100	13,100	0	0.0%
7.4%	13,100	13,037	-63	-0.5%
8.6%	13,037	12,856	-181	-1.4%
9.9%	12,859	12,833	-25	-0.2%
11.1%	12,777	11,929	-849	-6.6%
12.3%	11,929	11,912	-17	-0.1%
13.6%	11,689	11,466	-223	-1.9%
14.8%	11,385	10,911	-474	-4.2%
16.0%	10,911	10,612	-299	-2.7%
17.3%	10,637	10,254	-383	-3.6%
18.5%	10,624	9,792	-832	-7.8%
19.8%	10,118	9,626	-492	-4.9%
21.0%	9,944	9,310	-634	-6.4%
22.2%	9,803	9,151	-652	-6.6%
23.5%	9,628	9,132	-496	-5.2%
24.7%	9,447	9,034	-412	-4.4%
25.9%	9,392	8,976	-416	-4.4%
27.2%	9,310	8,882	-428	-4.6%
28.4%	9,151	8,652	-499	-5.5%
29.6%	9,140	8,298	-842	-9.2%
30.9%	8,935	8,173	-762	-8.5%
32.1%	8,882	8,105	-777	-8.8%
33.3%	8,173	8,052	-121	-1.5%
34.6%	8,052	8,019	-33	-0.4%
35.8%	8,019	7,947	-72	-0.9%
37.0%	8,014	7,892	-122	-1.5%
38.3%	8,010	7,833	-178	-2.2%
39.5%	7,947	7,173	-774	-9.7%
40.7%	7,938	7,140	-798	-10.0%
42.0%	7,892	6,967	-924	-11.7%
43.2%	7,844	6,890	-954	-12.2%
44.4%	7,173	6,883	-289	-4.0%
45.7%	6,970	6,813	-158	-2.3%
46.9%	6,890	6,808	-82	-1.2%
48.1%	6,883	6,751	-132	-1.9%
49.4%	6,751	6,695	-57	-0.8%
50.6%	6,695	6,675	-20	-0.3%
51.9%	6,675	6,637	-38	-0.6%
53.1%	6,656	6,548	-108	-1.6%
54.3%	6,637	6,424	-213	-3.2%
55.6%	6,424	6,364	-61	-0.9%
56.8%	6,279	6,279	0	0.0%
58.0%	6,148	6,148	0	0.0%
59.3%	5,783	5,699	-84	-1.5%
60.5%	5,740	5,272	-467	-8.1%
61.7%	5,255	5,237	-18	-0.3%
63.0%	5,238	5,230	-8	-0.2%
64.2%	5,230	5,140	-90	-1.7%
65.4%	5,162	5,132	-30	-0.6%
66.7%	5,140	5,123	-18	-0.3%
67.9%	5,132	5,073	-59	-1.1%
69.1%	5,058	5,034	-24	-0.5%
70.4%	5,050	4,998	-52	-1.0%
71.6%	5,000	4,919	-80	-1.6%
72.8%	4,998	4,830	-168	-3.4%
74.1%	4,919	4,430	-490	-10.0%
75.3%	4,830	4,163	-667	-13.8%
76.5%	4,470	4,092	-378	-8.5%
77.8%	4,295	4,012	-283	-6.6%
79.0%	4,163	3,990	-173	-4.2%
80.2%	4,104	3,904	-200	-4.9%
81.5%	4,092	3,725	-366	-9.0%
82.7%	3,904	3,611	-294	-7.5%
84.0%	3,611	3,579	-31	-0.9%
85.2%	3,579	3,542	-37	-1.0%
86.4%	3,542	3,486	-56	-1.6%
87.7%	3,416	3,416	0	0.0%
88.9%	3,137	3,137	0	0.0%
90.1%	2,882	2,882	0	0.0%
91.4%	2,836	2,836	0	0.0%
92.6%	2,695	2,695	0	0.0%
93.8%	2,621	2,621	0	0.0%
95.1%	2,618	2,498	-120	-4.6%
96.3%	2,456	2,456	0	0.0%
97.5%	2,206	2,017	-189	-8.6%
98.8%	1,100	1,100	0	0.0%
100.0%	807	1,100	293	36.3%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,161	12,161	0	0.0%
1.2%	12,161	12,161	0	0.0%
2.5%	12,161	12,161	0	0.0%
3.7%	12,161	12,161	0	0.0%
4.9%	12,161	12,161	0	0.0%
6.2%	12,161	12,085	-75	-0.6%
7.4%	12,085	11,918	-167	-1.4%
8.6%	11,918	11,667	-251	-2.1%
9.9%	11,048	11,048	0	0.0%
11.1%	10,873	11,029	156	1.4%
12.3%	10,760	10,873	113	1.0%
13.6%	10,544	10,760	216	2.0%
14.8%	10,530	10,672	142	1.3%
16.0%	10,420	10,420	0	0.0%
17.3%	10,395	10,395	0	0.0%
18.5%	10,105	10,105	0	0.0%
19.8%	10,084	9,942	-142	-1.4%
21.0%	9,953	9,910	-43	-0.4%
22.2%	9,909	9,750	-159	-1.6%
23.5%	9,655	9,655	0	0.0%
24.7%	9,499	9,452	-48	-0.5%
25.9%	9,452	8,962	-490	-5.2%
27.2%	9,312	8,865	-447	-4.8%
28.4%	8,931	8,798	-133	-1.5%
29.6%	8,863	8,511	-352	-4.0%
30.9%	8,763	8,459	-304	-3.5%
32.1%	8,495	8,437	-57	-0.7%
33.3%	8,290	8,280	-9	-0.1%
34.6%	8,252	8,275	23	0.3%
35.8%	8,196	7,986	-210	-2.6%
37.0%	8,160	7,923	-238	-2.9%
38.3%	7,998	7,916	-82	-1.0%
39.5%	7,923	7,785	-138	-1.7%
40.7%	7,785	7,742	-43	-0.6%
42.0%	7,742	7,741	-2	0.0%
43.2%	7,728	7,719	-9	-0.1%
44.4%	7,719	7,649	-70	-0.9%
45.7%	7,649	7,554	-95	-1.2%
46.9%	7,554	7,513	-41	-0.5%
48.1%	7,513	7,153	-360	-4.8%
49.4%	7,153	7,096	-57	-0.8%
50.6%	7,096	6,958	-139	-2.0%
51.9%	6,958	6,890	-68	-1.0%
53.1%	6,890	6,874	-17	-0.2%
54.3%	6,874	6,834	-40	-0.6%
55.6%	6,834	6,813	-21	-0.3%
56.8%	6,813	6,808	-5	-0.1%
58.0%	6,808	6,691	-116	-1.7%
59.3%	6,691	6,591	-100	-1.5%
60.5%	6,591	6,514	-77	-1.2%
61.7%	6,504	6,504	0	0.0%
63.0%	5,775	5,775	0	0.0%
64.2%	5,687	5,687	0	0.0%
65.4%	5,613	5,613	0	0.0%
66.7%	5,516	5,516	0	0.0%
67.9%	5,429	5,429	0	0.0%
69.1%	5,182	5,213	30	0.6%
70.4%	5,161	5,161	0	0.0%
71.6%	5,103	5,099	-3	-0.1%
72.8%	5,099	5,071	-28	-0.5%
74.1%	5,071	5,062	-10	-0.2%
75.3%	5,062	4,876	-186	-3.7%
76.5%	5,053	4,770	-283	-5.6%
77.8%	4,876	4,686	-190	-3.9%
79.0%	4,770	4,655	-116	-2.4%
80.2%	4,686	4,017	-670	-14.3%
81.5%	4,654	3,956	-698	-15.0%
82.7%	4,360	3,547	-813	-18.7%
84.0%	4,086	3,538	-548	-13.4%
85.2%	3,547	3,323	-224	-6.3%
86.4%	3,323	3,083	-241	-7.2%
87.7%	3,176	2,894	-282	-8.9%
88.9%	2,894	2,524	-371	-12.8%
90.1%	2,470	2,470	0	0.0%
91.4%	2,279	2,279	0	0.0%
92.6%	2,159	2,079	-80	-3.7%
93.8%	2,079	2,030	-49	-2.3%
95.1%	1,886	1,943	57	3.0%
96.3%	1,657	1,886	229	13.8%
97.5%	1,652	1,652	0	0.0%
98.8%	1,100	1,109	9	0.8%
100.0%	1,100	1,100	0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,720	9,499	778	8.9%
1.2%	8,622	8,705	84	1.0%
2.5%	6,088	6,086	-2	0.0%
3.7%	4,977	4,969	-8	-0.2%
4.9%	4,498	4,499	1	0.0%
6.2%	4,274	4,258	-16	-0.4%
7.4%	4,115	4,098	-16	-0.4%
8.6%	4,005	4,005	0	0.0%
9.9%	3,904	3,903	0	0.0%
11.1%	3,725	3,709	-16	-0.4%
12.3%	3,535	3,535	0	0.0%
13.6%	3,489	3,474	-15	-0.4%
14.8%	3,390	3,386	-4	-0.1%
16.0%	3,279	3,279	0	0.0%
17.3%	3,274	3,263	-11	-0.3%
18.5%	3,249	3,249	0	0.0%
19.8%	3,219	3,219	0	0.0%
21.0%	2,970	2,971	0	0.0%
22.2%	2,954	2,953	0	0.0%
23.5%	2,913	2,858	-55	-1.9%
24.7%	2,875	2,821	-53	-1.9%
25.9%	2,821	2,790	-32	-1.1%
27.2%	2,790	2,787	-3	-0.1%
28.4%	2,787	2,783	-4	-0.2%
29.6%	2,783	2,680	-103	-3.7%
30.9%	2,680	2,670	-10	-0.4%
32.1%	2,670	2,658	-13	-0.5%
33.3%	2,658	2,640	-18	-0.7%
34.6%	2,647	2,508	-139	-5.2%
35.8%	2,508	2,497	-11	-0.4%
37.0%	2,504	2,470	-34	-1.4%
38.3%	2,470	2,459	-10	-0.4%
39.5%	2,460	2,437	-23	-0.9%
40.7%	2,440	2,410	-30	-1.2%
42.0%	2,437	2,402	-34	-1.4%
43.2%	2,391	2,391	0	0.0%
44.4%	2,261	2,261	0	0.0%
45.7%	2,228	2,228	0	0.0%
46.9%	2,208	2,208	0	0.0%
48.1%	2,189	2,189	0	0.0%
49.4%	2,171	2,171	0	0.0%
50.6%	2,152	2,140	-12	-0.6%
51.9%	2,140	2,091	-49	-2.3%
53.1%	2,091	2,076	-15	-0.7%
54.3%	2,077	2,059	-17	-0.8%
55.6%	2,059	2,058	-1	0.0%
56.8%	2,059	2,056	-3	-0.1%
58.0%	2,056	2,028	-28	-1.4%
59.3%	2,028	2,000	-28	-1.4%
60.5%	2,014	1,999	-15	-0.8%
61.7%	1,975	1,975	0	0.0%
63.0%	1,960	1,961	0	0.0%
64.2%	1,948	1,948	0	0.0%
65.4%	1,934	1,934	0	0.0%
66.7%	1,876	1,876	0	0.0%
67.9%	1,869	1,869	0	0.0%
69.1%	1,848	1,848	0	0.0%
70.4%	1,846	1,845	0	0.0%
71.6%	1,785	1,784	0	0.0%
72.8%	1,784	1,784	0	0.0%
74.1%	1,764	1,762	-2	-0.1%
75.3%	1,744	1,744	0	0.0%
76.5%	1,735	1,735	0	0.0%
77.8%	1,708	1,713	5	0.3%
79.0%	1,680	1,680	0	0.0%
80.2%	1,557	1,557	0	0.0%
81.5%	1,545	1,545	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,500	1,500	0	0.0%
90.1%	1,382	1,300	-82	-5.9%
91.4%	1,273	1,289	17	1.3%
92.6%	1,100	1,100	0	0.0%
93.8%	1,100	1,100	0	0.0%
95.1%	1,100	1,100	0	0.0%
96.3%	1,100	1,100	0	0.0%
97.5%	1,100	1,100	0	0.0%
98.8%	1,100	1,100	0	0.0%
100.0%	1,100	1,100	0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,664	9,664	0	0.0%
1.2%	9,664	9,664	0	0.0%
2.5%	7,571	7,715	145	1.9%
3.7%	7,536	7,534	-3	0.0%
4.9%	5,274	5,252	-22	-0.4%
6.2%	4,877	4,856	-22	-0.4%
7.4%	4,631	4,609	-23	-0.5%
8.6%	3,803	3,792	-10	-0.3%
9.9%	3,268	3,245	-22	-0.7%
11.1%	3,204	3,182	-22	-0.7%
12.3%	3,088	3,067	-21	-0.7%
13.6%	2,974	2,953	-21	-0.7%
14.8%	2,780	2,780	0	0.0%
16.0%	2,710	2,711	0	0.0%
17.3%	2,596	2,596	0	0.0%
18.5%	2,589	2,589	0	0.0%
19.8%	2,513	2,489	-23	-0.9%
21.0%	2,499	2,476	-23	-0.9%
22.2%	2,464	2,441	-23	-0.9%
23.5%	2,251	2,251	0	0.0%
24.7%	2,220	2,220	0	0.0%
25.9%	2,114	2,115	1	0.1%
27.2%	2,083	2,083	0	0.0%
28.4%	2,050	2,050	0	0.0%
29.6%	2,046	2,047	1	0.1%
30.9%	1,950	1,950	0	0.0%
32.1%	1,935	1,940	5	0.3%
33.3%	1,842	1,935	93	5.1%
34.6%	1,841	1,842	1	0.1%
35.8%	1,838	1,841	4	0.2%
37.0%	1,734	1,837	104	6.0%
38.3%	1,709	1,734	25	1.5%
39.5%	1,698	1,709	11	0.6%
40.7%	1,674	1,698	24	1.4%
42.0%	1,664	1,673	9	0.5%
43.2%	1,662	1,662	0	0.0%
44.4%	1,642	1,641	0	0.0%
45.7%	1,641	1,641	0	0.0%
46.9%	1,633	1,633	0	0.0%
48.1%	1,582	1,582	0	0.0%
49.4%	1,576	1,578	2	0.1%
50.6%	1,566	1,555	-11	-0.7%
51.9%	1,554	1,554	0	0.0%
53.1%	1,516	1,525	9	0.6%
54.3%	1,508	1,511	3	0.2%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,500	1,500	0	0.0%
90.1%	1,500	1,500	0	0.0%
91.4%	1,500	1,500	0	0.0%
92.6%	1,500	1,500	0	0.0%
93.8%	1,500	1,500	0	0.0%
95.1%	1,500	1,500	0	0.0%
96.3%	1,500	1,500	0	0.0%
97.5%	1,247	1,378	132	10.6%
98.8%	1,172	1,100	-72	-6.2%
100.0%	1,100	1,100	0	0.0%

Table SW-36-b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	10,779	-501	-4.4%
2.5%	10,711	10,664	-46	-0.4%
3.7%	10,559	10,314	-245	-2.3%
4.9%	10,055	9,719	-336	-3.3%
6.2%	8,366	8,322	-44	-0.5%
7.4%	7,813	7,813	0	0.0%
8.6%	7,076	7,390	314	4.4%
9.9%	6,904	7,254	350	5.1%
11.1%	6,632	6,876	244	3.7%
12.3%	6,404	6,632	228	3.6%
13.6%	6,341	6,403	63	1.0%
14.8%	6,075	6,224	149	2.5%
16.0%	6,036	6,104	67	1.1%
17.3%	6,024	6,080	56	0.9%
18.5%	6,008	6,075	67	1.1%
19.8%	5,945	5,945	0	0.0%
21.0%	5,903	5,932	30	0.5%
22.2%	5,823	5,852	29	0.5%
23.5%	5,646	5,823	177	3.1%
24.7%	5,599	5,646	47	0.8%
25.9%	5,571	5,646	75	1.3%
27.2%	5,549	5,599	49	0.9%
28.4%	5,454	5,571	117	2.2%
29.6%	5,350	5,454	104	1.9%
30.9%	5,331	5,350	19	0.4%
32.1%	5,185	5,315	130	2.5%
33.3%	5,170	5,266	96	1.9%
34.6%	5,108	5,235	127	2.5%
35.8%	5,036	5,170	133	2.7%
37.0%	5,018	5,069	51	1.0%
38.3%	4,982	5,026	43	0.9%
39.5%	4,726	5,018	292	6.2%
40.7%	4,654	4,726	72	1.5%
42.0%	4,621	4,654	33	0.7%
43.2%	4,483	4,650	168	3.7%
44.4%	4,481	4,621	140	3.1%
45.7%	4,481	4,483	2	0.0%
46.9%	4,480	4,481	1	0.0%
48.1%	4,477	4,480	3	0.1%
49.4%	4,443	4,462	19	0.4%
50.6%	4,078	4,078	0	0.0%
51.9%	3,918	3,918	0	0.0%
53.1%	3,819	3,819	0	0.0%
54.3%	3,747	3,747	0	0.0%
55.6%	3,710	3,710	0	0.0%
56.8%	3,701	3,701	0	0.0%
58.0%	3,668	3,668	0	0.0%
59.3%	3,666	3,666	0	0.0%
60.5%	3,600	3,599	-1	0.0%
61.7%	3,450	3,450	0	0.0%
63.0%	3,443	3,444	0	0.0%
64.2%	3,386	3,386	0	0.0%
65.4%	3,355	3,376	20	0.6%
66.7%	3,336	3,355	19	0.6%
67.9%	3,334	3,336	3	0.1%
69.1%	3,322	3,333	12	0.4%
70.4%	3,306	3,322	15	0.5%
71.6%	3,301	3,306	5	0.1%
72.8%	3,269	3,301	32	1.0%
74.1%	3,236	3,269	33	1.0%
75.3%	3,180	3,235	55	1.7%
76.5%	3,080	3,220	140	4.6%
77.8%	3,040	3,212	172	5.7%
79.0%	2,985	3,080	95	3.2%
80.2%	2,909	3,040	131	4.5%
81.5%	2,882	2,909	27	1.0%
82.7%	2,221	1,303	-918	-41.3%
84.0%	2,139	1,044	-1,095	-51.2%
85.2%	1,044	914	-129	-12.4%
86.4%	914	850	-64	-7.0%
87.7%	850	781	-69	-8.2%
88.9%	788	735	-52	-6.6%
90.1%	735	727	-8	-1.1%
91.4%	727	707	-20	-2.7%
92.6%	707	654	-53	-7.5%
93.8%	654	579	-75	-11.5%
95.1%	575	525	-50	-8.6%
96.3%	524	472	-52	-10.0%
97.5%	453	453	0	0.0%
98.8%	402	444	42	10.4%
100.0%	135	135	0	

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,605	11,711	106	0.9%
1.2%	11,541	11,605	64	0.6%
2.5%	11,522	11,587	64	0.6%
3.7%	11,505	11,541	36	0.3%
4.9%	11,503	11,522	19	0.2%
6.2%	11,502	11,521	19	0.2%
7.4%	11,452	11,508	56	0.5%
8.6%	11,432	11,505	73	0.6%
9.9%	11,419	11,505	86	0.7%
11.1%	11,407	11,504	98	0.9%
12.3%	11,392	11,503	112	1.0%
13.6%	11,390	11,482	92	0.8%
14.8%	11,388	11,455	67	0.6%
16.0%	11,378	11,452	74	0.7%
17.3%	11,373	11,407	34	0.3%
18.5%	11,366	11,392	26	0.2%
19.8%	11,352	11,391	39	0.3%
21.0%	11,343	11,390	48	0.4%
22.2%	11,338	11,388	50	0.4%
23.5%	11,334	11,378	44	0.4%
24.7%	11,331	11,374	43	0.4%
25.9%	11,318	11,373	55	0.5%
27.2%	11,316	11,366	49	0.4%
28.4%	11,280	11,360	80	0.7%
29.6%	11,265	11,352	88	0.8%
30.9%	11,262	11,338	76	0.7%
32.1%	11,223	11,334	111	1.0%
33.3%	11,197	11,333	136	1.2%
34.6%	11,128	11,331	203	1.8%
35.8%	11,085	11,318	233	2.1%
37.0%	11,084	11,316	233	2.1%
38.3%	11,001	11,280	279	2.5%
39.5%	10,965	11,241	276	2.5%
40.7%	10,842	11,172	330	3.0%
42.0%	10,713	11,055	342	3.2%
43.2%	10,594	10,971	376	3.6%
44.4%	10,556	10,960	403	3.8%
45.7%	10,538	10,903	365	3.5%
46.9%	10,513	10,840	327	3.1%
48.1%	10,295	10,741	446	4.3%
49.4%	10,286	10,691	406	3.9%
50.6%	10,272	10,409	136	1.3%
51.9%	10,194	10,247	53	0.5%
53.1%	10,117	10,213	96	0.9%
54.3%	10,080	10,195	114	1.1%
55.6%	10,067	10,168	101	1.0%
56.8%	9,921	10,123	202	2.0%
58.0%	9,852	10,109	257	2.6%
59.3%	9,760	9,949	188	1.9%
60.5%	9,681	9,900	219	2.3%
61.7%	9,673	9,806	132	1.4%
63.0%	9,433	9,802	369	3.9%
64.2%	9,420	9,667	247	2.6%
65.4%	8,665	9,560	895	10.3%
66.7%	8,642	9,455	813	9.4%
67.9%	8,550	9,328	778	9.1%
69.1%	8,448	8,929	481	5.7%
70.4%	8,277	8,809	532	6.4%
71.6%	8,167	8,804	638	7.8%
72.8%	7,979	8,756	776	9.7%
74.1%	7,718	8,676	958	12.4%
75.3%	7,583	8,593	1,010	13.3%
76.5%	7,555	8,407	852	11.3%
77.8%	7,096	8,106	1,011	14.2%
79.0%	7,005	8,034	1,029	14.7%
80.2%	6,920	8,001	1,081	15.6%
81.5%	6,182	7,774	1,592	25.8%
82.7%	6,052	7,564	1,512	25.0%
84.0%	5,922	7,287	1,365	23.0%
85.2%	5,893	7,118	1,225	20.8%
86.4%	5,855	6,914	1,059	18.1%
87.7%	5,462	6,665	1,202	22.0%
88.9%	4,956	6,087	1,131	22.8%
90.1%	4,644	6,054	1,410	30.4%
91.4%	4,119	5,964	1,845	44.8%
92.6%	3,667	5,256	1,589	43.3%
93.8%	3,603	4,177	574	15.9%
95.1%	3,080	3,470	389	12.6%
96.3%	2,688	2,969	281	10.5%
97.5%	2,337	2,921	584	25.0%
98.8%	2,290	2,881	591	25.8%
100.0%	1,788	1,369	-419	-23.4%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,559	11,620	62	0.5%
1.2%	11,538	11,559	21	0.2%
2.5%	11,537	11,538	1	0.0%
3.7%	11,526	11,537	12	0.1%
4.9%	11,525	11,526	1	0.0%
6.2%	11,522	11,522	0	0.0%
7.4%	11,522	11,522	0	0.0%
8.6%	11,522	11,522	0	0.0%
9.9%	11,521	11,521	0	0.0%
11.1%	11,518	11,519	1	0.0%
12.3%	11,494	11,496	2	0.0%
13.6%	11,476	11,494	18	0.2%
14.8%	11,471	11,488	17	0.1%
16.0%	11,468	11,476	9	0.1%
17.3%	11,464	11,471	7	0.1%
18.5%	11,460	11,464	4	0.0%
19.8%	11,459	11,460	2	0.0%
21.0%	11,450	11,459	8	0.1%
22.2%	11,445	11,455	10	0.1%
23.5%	11,433	11,450	18	0.2%
24.7%	11,432	11,445	14	0.1%
25.9%	11,430	11,433	2	0.0%
27.2%	11,429	11,432	3	0.0%
28.4%	11,425	11,430	5	0.0%
29.6%	11,414	11,429	15	0.1%
30.9%	11,406	11,429	22	0.2%
32.1%	11,406	11,428	22	0.2%
33.3%	11,405	11,425	20	0.2%
34.6%	11,400	11,414	14	0.1%
35.8%	11,398	11,406	9	0.1%
37.0%	11,393	11,406	13	0.1%
38.3%	11,389	11,405	17	0.1%
39.5%	11,379	11,400	21	0.2%
40.7%	11,376	11,398	22	0.2%
42.0%	11,357	11,393	36	0.3%
43.2%	11,310	11,389	78	0.7%
44.4%	11,280	11,379	99	0.9%
45.7%	11,253	11,376	123	1.1%
46.9%	11,108	11,374	266	2.4%
48.1%	11,054	11,357	303	2.7%
49.4%	11,022	11,345	323	2.9%
50.6%	10,963	11,280	317	2.9%
51.9%	10,657	11,097	440	4.1%
53.1%	10,277	11,038	761	7.4%
54.3%	10,102	10,569	467	4.6%
55.6%	10,064	10,527	464	4.6%
56.8%	10,049	10,513	464	4.6%
58.0%	10,047	10,337	289	2.9%
59.3%	9,921	10,329	409	4.1%
60.5%	9,587	10,086	498	5.2%
61.7%	9,572	9,856	284	3.0%
63.0%	9,381	9,793	412	4.4%
64.2%	9,305	9,760	455	4.9%
65.4%	8,986	9,741	755	8.4%
66.7%	8,602	9,532	930	10.8%
67.9%	8,164	9,089	925	11.3%
69.1%	7,722	9,044	1,321	17.1%
70.4%	7,260	8,626	1,367	18.8%
71.6%	7,197	8,441	1,244	17.3%
72.8%	6,738	8,432	1,695	25.2%
74.1%	6,028	8,262	2,234	37.1%
75.3%	5,525	7,765	2,240	40.5%
76.5%	5,315	7,403	2,088	39.3%
77.8%	4,506	6,883	2,377	52.8%
79.0%	4,441	6,599	2,158	48.6%
80.2%	3,967	6,490	2,523	63.6%
81.5%	3,950	5,981	2,031	51.4%
82.7%	3,763	5,613	1,850	49.2%
84.0%	3,704	5,319	1,615	43.6%
85.2%	3,329	4,975	1,646	49.4%
86.4%	3,190	4,735	1,545	48.4%
87.7%	3,139	4,305	1,166	37.2%
88.9%	3,135	3,771	636	20.3%
90.1%	2,779	3,762	983	35.4%
91.4%	2,521	3,567	1,046	41.5%
92.6%	2,479	3,540	1,061	42.8%
93.8%	2,375	3,395	1,020	43.0%
95.1%	2,231	3,288	1,057	47.4%
96.3%	2,009	3,152	1,143	56.9%
97.5%	1,865	3,008	1,143	61.3%
98.8%	1,819	2,767	948	52.1%
100.0%	1,669	2,300	631	37.8%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,451	171	1.5%
1.2%	11,280	11,435	155	1.4%
2.5%	11,280	11,434	154	1.4%
3.7%	11,280	11,280	0	0.0%
4.9%	11,280	11,280	0	0.0%
6.2%	11,280	11,280	0	0.0%
7.4%	11,280	11,280	0	0.0%
8.6%	11,280	11,280	0	0.0%
9.9%	11,280	11,280	0	0.0%
11.1%	11,280	11,280	0	0.0%
12.3%	11,272	11,280	8	0.1%
13.6%	11,197	11,280	83	0.7%
14.8%	10,919	11,280	361	3.3%
16.0%	10,896	11,277	382	3.5%
17.3%	10,874	11,274	399	3.7%
18.5%	10,839	11,229	391	3.6%
19.8%	10,802	11,141	339	3.1%
21.0%	10,666	11,132	465	4.4%
22.2%	10,577	11,123	546	5.2%
23.5%	10,548	11,102	554	5.3%
24.7%	10,337	11,074	737	7.1%
25.9%	10,148	10,975	827	8.1%
27.2%	10,101	10,896	796	7.9%
28.4%	10,094	10,893	799	7.9%
29.6%	9,951	10,884	933	9.4%
30.9%	9,860	10,726	866	8.8%
32.1%	9,854	10,569	715	7.3%
33.3%	9,792	10,543	750	7.7%
34.6%	9,782	10,537	754	7.7%
35.8%	9,742	10,486	744	7.6%
37.0%	9,708	10,342	634	6.5%
38.3%	9,698	10,301	603	6.2%
39.5%	9,599	10,247	648	6.8%
40.7%	9,518	10,153	635	6.7%
42.0%	9,309	10,087	778	8.4%
43.2%	8,926	9,968	1,042	11.7%
44.4%	8,859	9,906	1,047	11.8%
45.7%	8,855	9,906	1,051	11.9%
46.9%	8,679	9,769	1,091	12.6%
48.1%	8,669	9,656	987	11.4%
49.4%	8,321	9,550	1,229	14.8%
50.6%	8,268	9,545	1,278	15.5%
51.9%	7,720	9,517	1,797	23.3%
53.1%	7,653	9,453	1,800	23.5%
54.3%	7,582	9,411	1,829	24.1%
55.6%	7,439	9,378	1,939	26.1%
56.8%	7,398	9,297	1,899	25.7%
58.0%	7,183	9,260	2,077	28.9%
59.3%	7,168	9,220	2,052	28.6%
60.5%	6,958	9,014	2,056	29.5%
61.7%	6,928	9,010	2,082	30.0%
63.0%	6,725	8,885	2,160	32.1%
64.2%	6,553	8,489	1,936	29.5%
65.4%	6,353	8,378	2,024	31.9%
66.7%	6,260	8,350	2,090	33.4%
67.9%	6,153	8,078	1,926	31.3%
69.1%	6,104	8,013	1,909	31.3%
70.4%	5,890	7,796	1,906	32.4%
71.6%	5,765	7,629	1,864	32.3%
72.8%	5,595	7,298	1,703	30.4%
74.1%	5,561	7,285	1,723	31.0%
75.3%	5,551	7,233	1,682	30.3%
76.5%	5,549	6,952	1,402	25.3%
77.8%	5,424	6,725	1,301	24.0%
79.0%	5,308	6,222	915	17.2%
80.2%	5,231	5,732	501	9.6%
81.5%	5,042	5,693	650	12.9%
82.7%	5,039	5,643	604	12.0%
84.0%	4,913	5,567	655	13.3%
85.2%	4,807	5,434	627	13.0%
86.4%	4,711	5,105	394	8.4%
87.7%	4,548	4,984	436	9.6%
88.9%	4,455	4,865	410	9.2%
90.1%	4,358	4,780	422	9.7%
91.4%	3,937	4,750	813	20.7%
92.6%	3,894	4,719	824	21.2%
93.8%	3,769	4,683	914	24.3%
95.1%	3,590	4,649	1,059	29.5%
96.3%	3,248	4,564	1,315	40.5%
97.5%	2,996	4,346	1,350	45.0%
98.8%	2,234	3,928	1,694	75.9%
100.0%	1,857	1,943	86	4.7%

Figure SW-37-b
Jones Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

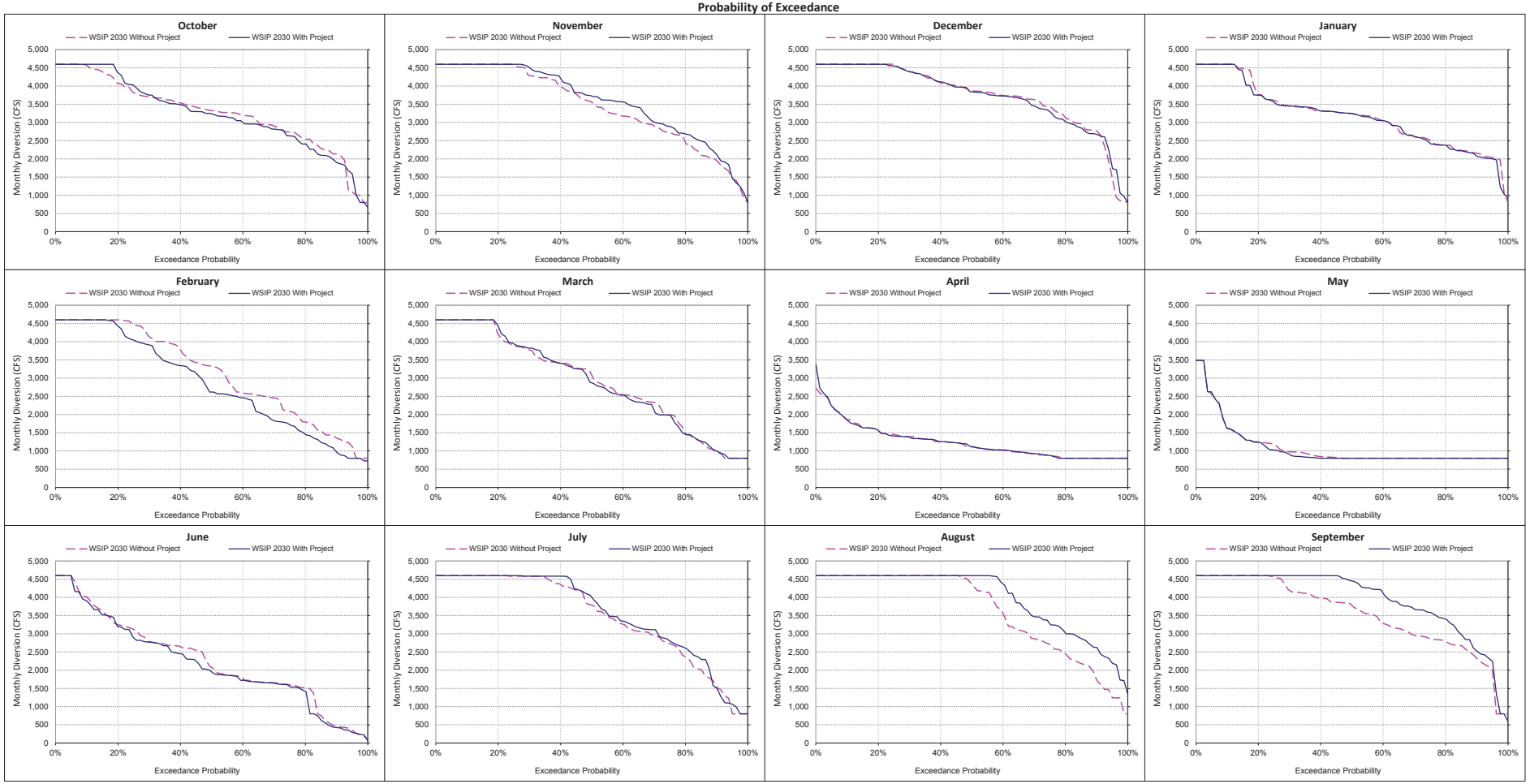


Table SW-37-b

Jones Pumping Plant (CVP), Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,575	4,600	25	0.5%
11.1%	4,485	4,600	115	2.6%
12.3%	4,462	4,600	138	3.1%
13.6%	4,451	4,600	149	3.3%
14.8%	4,400	4,600	200	4.6%
16.0%	4,313	4,600	287	6.6%
17.3%	4,309	4,600	291	6.8%
18.5%	4,221	4,595	374	8.9%
19.8%	4,076	4,387	311	7.6%
21.0%	4,057	4,299	242	6.0%
22.2%	3,972	4,078	106	2.7%
23.5%	3,971	4,039	68	1.7%
24.7%	3,832	4,035	203	5.3%
25.9%	3,779	3,951	172	4.5%
27.2%	3,744	3,848	104	2.8%
28.4%	3,720	3,796	76	2.0%
29.6%	3,714	3,758	44	1.2%
30.9%	3,689	3,751	62	1.7%
32.1%	3,670	3,660	-10	-0.3%
33.3%	3,670	3,606	-64	-1.7%
34.6%	3,662	3,585	-77	-2.1%
35.8%	3,618	3,544	-74	-2.1%
37.0%	3,617	3,513	-105	-2.9%
38.3%	3,556	3,512	-44	-1.2%
39.5%	3,546	3,492	-54	-1.5%
40.7%	3,518	3,479	-39	-1.1%
42.0%	3,482	3,430	-52	-1.5%
43.2%	3,468	3,306	-162	-4.7%
44.4%	3,432	3,298	-134	-3.9%
45.7%	3,399	3,296	-103	-3.0%
46.9%	3,395	3,290	-105	-3.1%
48.1%	3,360	3,248	-111	-3.3%
49.4%	3,329	3,248	-81	-2.4%
50.6%	3,321	3,219	-102	-3.1%
51.9%	3,303	3,176	-127	-3.9%
53.1%	3,278	3,169	-109	-3.3%
54.3%	3,274	3,165	-110	-3.3%
55.6%	3,274	3,138	-136	-4.2%
56.8%	3,268	3,130	-138	-4.2%
58.0%	3,252	3,053	-199	-6.1%
59.3%	3,213	3,051	-162	-5.0%
60.5%	3,191	2,967	-224	-7.0%
61.7%	3,181	2,960	-222	-7.0%
63.0%	3,174	2,959	-214	-6.8%
64.2%	3,084	2,955	-129	-4.2%
65.4%	2,947	2,926	-22	-0.7%
66.7%	2,947	2,885	-62	-2.1%
67.9%	2,943	2,882	-62	-2.1%
69.1%	2,930	2,824	-106	-3.6%
70.4%	2,894	2,817	-77	-2.7%
71.6%	2,825	2,801	-24	-0.8%
72.8%	2,775	2,792	17	0.6%
74.1%	2,743	2,636	-106	-3.9%
75.3%	2,734	2,628	-107	-3.9%
76.5%	2,728	2,616	-112	-4.1%
77.8%	2,647	2,496	-152	-5.7%
79.0%	2,575	2,410	-165	-6.4%
80.2%	2,542	2,406	-135	-5.3%
81.5%	2,539	2,268	-271	-10.7%
82.7%	2,409	2,259	-150	-6.2%
84.0%	2,368	2,133	-235	-9.9%
85.2%	2,274	2,096	-178	-7.8%
86.4%	2,245	2,091	-154	-6.9%
87.7%	2,224	2,069	-154	-6.9%
88.9%	2,138	1,986	-152	-7.1%
90.1%	2,137	1,891	-245	-11.5%
91.4%	2,084	1,855	-229	-11.0%
92.6%	1,958	1,828	-130	-6.6%
93.8%	1,130	1,674	543	48.1%
95.1%	1,092	1,591	499	45.7%
96.3%	1,001	1,000	-1	-0.1%
97.5%	1,000	800	-200	-20.0%
98.8%	800	800	0	0.0%
100.0%	800	673	-127	-15.8%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,593	4,600	7	0.2%
25.9%	4,534	4,600	66	1.5%
27.2%	4,518	4,600	82	1.8%
28.4%	4,505	4,579	75	1.7%
29.6%	4,295	4,536	241	5.6%
30.9%	4,276	4,450	174	4.1%
32.1%	4,271	4,398	127	3.0%
33.3%	4,231	4,394	163	3.9%
34.6%	4,230	4,354	124	2.9%
35.8%	4,230	4,322	92	2.2%
37.0%	4,176	4,307	130	3.1%
38.3%	4,162	4,297	135	3.3%
39.5%	3,983	4,279	295	7.4%
40.7%	3,954	4,111	156	3.9%
42.0%	3,873	4,075	203	5.2%
43.2%	3,853	4,038	184	4.8%
44.4%	3,812	3,825	13	0.3%
45.7%	3,728	3,822	94	2.5%
46.9%	3,631	3,807	176	4.9%
48.1%	3,613	3,746	133	3.7%
49.4%	3,582	3,739	157	4.4%
50.6%	3,522	3,710	188	5.3%
51.9%	3,422	3,704	282	8.2%
53.1%	3,414	3,621	208	6.1%
54.3%	3,321	3,615	294	8.9%
55.6%	3,268	3,615	347	10.6%
56.8%	3,244	3,602	358	11.0%
58.0%	3,232	3,570	338	10.5%
59.3%	3,185	3,568	383	12.0%
60.5%	3,172	3,559	386	12.2%
61.7%	3,162	3,491	328	10.4%
63.0%	3,128	3,446	318	10.2%
64.2%	3,100	3,431	331	10.7%
65.4%	3,017	3,410	393	13.0%
66.7%	2,988	3,267	279	9.3%
67.9%	2,959	3,154	196	6.6%
69.1%	2,945	3,052	107	3.6%
70.4%	2,890	2,992	102	3.5%
71.6%	2,841	2,970	129	4.5%
72.8%	2,766	2,955	189	6.8%
74.1%	2,730	2,901	171	6.3%
75.3%	2,715	2,883	167	6.2%
76.5%	2,665	2,829	164	6.2%
77.8%	2,658	2,707	49	1.8%
79.0%	2,649	2,705	56	2.1%
80.2%	2,405	2,679	274	11.4%
81.5%	2,404	2,658	253	10.5%
82.7%	2,275	2,578	303	13.3%
84.0%	2,215	2,521	305	13.8%
85.2%	2,094	2,489	395	18.9%
86.4%	2,082	2,450	368	17.7%
87.7%	2,040	2,303	263	12.9%
88.9%	2,019	2,225	206	10.2%
90.1%	1,947	2,107	159	8.2%
91.4%	1,822	1,945	123	6.8%
92.6%	1,745	1,917	172	9.9%
93.8%	1,662	1,844	182	10.9%
95.1%	1,453	1,470	17	1.2%
96.3%	1,401	1,338	-63	-4.5%
97.5%	1,208	1,246	38	3.2%
98.8%	907	1,058	151	16.6%
100.0%	800	800	0	0.0%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,565	-35	-0.8%
24.7%	4,600	4,553	-47	-1.0%
25.9%	4,547	4,540	-6	-0.1%
27.2%	4,485	4,489	4	0.1%
28.4%	4,460	4,440	-19	-0.4%
29.6%	4,397	4,395	-2	-0.1%
30.9%	4,381	4,381	0	0.0%
32.1%	4,348	4,348	0	0.0%
33.3%	4,344	4,340	-4	-0.1%
34.6%	4,281	4,283	3	0.1%
35.8%	4,223	4,281	57	1.4%
37.0%	4,203	4,213	10	0.2%
38.3%	4,153	4,146	-7	-0.2%
39.5%	4,108	4,120	13	0.3%
40.7%	4,062	4,108	46	1.1%
42.0%	4,056	4,074	18	0.4%
43.2%	4,029	4,029	0	0.0%
44.4%	4,023	3,975	-48	-1.2%
45.7%	3,971	3,971	0	0.0%
46.9%	3,970	3,970	0	0.0%
48.1%	3,931	3,962	31	0.8%
49.4%	3,874	3,846	-28	-0.7%
50.6%	3,865	3,835	-30	-0.8%
51.9%	3,859	3,828	-32	-0.8%
53.1%	3,855	3,821	-34	-0.9%
54.3%	3,846	3,804	-42	-1.1%
55.6%	3,827	3,754	-73	-1.9%
56.8%	3,804	3,747	-57	-1.5%
58.0%	3,764	3,732	-32	-0.9%
59.3%	3,747	3,730	-17	-0.5%
60.5%	3,733	3,729	-4	-0.1%
61.7%	3,732	3,712	-20	-0.5%
63.0%	3,729	3,697	-31	-0.8%
64.2%	3,727	3,688	-39	-1.1%
65.4%	3,706	3,666	-40	-1.1%
66.7%	3,688	3,639	-49	-1.3%
67.9%	3,639	3,590	-48	-1.3%
69.1%	3,637	3,470	-167	-4.6%
70.4%	3,624	3,445	-178	-4.9%
71.6%	3,579	3,388	-191	-5.3%
72.8%	3,456	3,364	-92	-2.7%
74.1%	3,440	3,352	-88	-2.6%
75.3%	3,426	3,276	-150	-4.4%
76.5%	3,324	3,156	-167	-5.0%
77.8%	3,262	3,100	-162	-5.0%
79.0%	3,233	3,090	-143	-4.4%
80.2%	3,108	3,009	-100	-3.2%
81.5%	3,077	2,974	-103	-3.3%
82.7%	2,997	2,940	-56	-1.9%
84.0%	2,972	2,876	-97	-3.3%
85.2%	2,967	2,846	-121	-4.1%
86.4%	2,799	2,743	-56	-2.0%
87.7%	2,795	2,695	-100	-3.6%
88.9%	2,791	2,693	-98	-3.5%
90.1%	2,762	2,672	-90	-3.3%
91.4%	2,635	2,621	-14	-0.5%
92.6%	2,336	2,601	265	11.3%
93.8%	1,959	2,255	296	15.1%
95.1%	1,462	1,733	271	18.5%
96.3%	944	1,704	760	80.5%
97.5%	846	1,060	214	25.4%
98.8%	844	970	126	14.9%
100.0%	800	800	0	0.0%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,494	4,457	-38	-0.8%
14.8%	4,490	4,436	-55	-1.2%
16.0%	4,457	4,022	-434	-9.7%
17.3%	4,441	4,020	-422	-9.5%
18.5%	4,022	3,754	-268	-6.7%
19.8%	3,760	3,751	-9	-0.2%
21.0%	3,759	3,746	-13	-0.3%
22.2%	3,646	3,646	0	0.0%
23.5%	3,631	3,619	-13	-0.3%
24.7%	3,619	3,579	-40	-1.1%
25.9%	3,579	3,495	-84	-2.3%
27.2%	3,495	3,471	-24	-0.7%
28.4%	3,474	3,459	-15	-0.4%
29.6%	3,449	3,453	4	0.1%
30.9%	3,444	3,447	3	0.1%
32.1%	3,429	3,447	18	0.5%
33.3%	3,428	3,429	2	0.0%
34.6%	3,410	3,429	19	0.6%
35.8%	3,390	3,424	33	1.0%
37.0%	3,381	3,410	30	0.9%
38.3%	3,324	3,377	53	1.6%
39.5%	3,319	3,319	0	0.0%
40.7%	3,309	3,313	4	0.1%
42.0%	3,308	3,310	2	0.1%
43.2%	3,304	3,305	0	0.0%
44.4%	3,300	3,296	-4	-0.1%
45.7%	3,277	3,270	-7	-0.2%
46.9%	3,262	3,263	1	0.0%
48.1%	3,260	3,254	-6	-0.2%
49.4%	3,252	3,250	-2	-0.1%
50.6%	3,234	3,234	0	0.0%
51.9%	3,207	3,207	1	0.0%
53.1%	3,193	3,172	-22	-0.7%
54.3%	3,185	3,158	-27	-0.8%
55.6%	3,179	3,149	-30	-1.0%
56.8%	3,149	3,110	-39	-1.2%
58.0%	3,110	3,057	-53	-1.7%
59.3%	3,056	3,056	0	0.0%
60.5%	3,046	3,046	0	0.0%
61.7%	3,005	3,005	0	0.0%
63.0%	2,917	2,917	0	0.0%
64.2%	2,915	2,915	0	0.0%
65.4%	2,718	2,886	168	6.2%
66.7%	2,670	2,718	48	1.8%
67.9%	2,666	2,646	-20	-0.8%
69.1%	2,646	2,645	-1	0.0%
70.4%	2,604	2,603	-1	0.0%
71.6%	2,602	2,583	-19	-0.7%
72.8%	2,583	2,554	-30	-1.1%
74.1%	2,554	2,502	-52	-2.0%
75.3%	2,502	2,405	-96	-3.9%
76.5%	2,405	2,392	-13	-0.5%
77.8%	2,392	2,380	-12	-0.5%
79.0%	2,380	2,380	0	0.0%
80.2%	2,380	2,372	-7	-0.3%
81.5%	2,372	2,265	-107	-4.5%
82.7%	2,263	2,260	-3	-0.2%
84.0%	2,258	2,225	-33	-1.5%
85.2%	2,225	2,220	-5	-0.2%
86.4%	2,220	2,194	-26	-1.2%
87.7%	2,193	2,170	-22	-1.0%
88.9%	2,170	2,155	-16	-0.7%
90.1%	2,155	2,068	-87	-4.0%
91.4%	2,128	2,051	-77	-3.6%
92.6%	2,068	2,024	-43	-2.1%
93.8%	2,055	2,006	-49	-2.4%
95.1%	2,040	2,002	-38	-1.8%
96.3%	2,030	1,973	-57	-2.8%
97.5%	1,973	1,215	-757	-38.4%
98.8%	1,078	1,042	-36	-3.3%
100.0%	800	938	138	17.2%

Table SW-37-b

Jones Pumping Plant (CVP), Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,576	-24	-0.5%
18.5%	4,600	4,566	-34	-0.7%
19.8%	4,600	4,441	-159	-3.5%
21.0%	4,600	4,356	-244	-5.3%
22.2%	4,576	4,149	-427	-9.3%
23.5%	4,570	4,086	-484	-10.6%
24.7%	4,488	4,052	-435	-9.7%
25.9%	4,441	4,009	-432	-9.7%
27.2%	4,432	3,973	-458	-10.3%
28.4%	4,340	3,946	-394	-9.1%
29.6%	4,160	3,916	-243	-5.9%
30.9%	4,086	3,894	-192	-4.7%
32.1%	4,009	3,671	-338	-8.4%
33.3%	4,007	3,586	-421	-10.5%
34.6%	4,005	3,484	-521	-13.0%
35.8%	3,973	3,442	-532	-13.4%
37.0%	3,946	3,406	-540	-13.7%
38.3%	3,922	3,376	-546	-13.9%
39.5%	3,849	3,347	-501	-13.0%
40.7%	3,669	3,337	-332	-9.0%
42.0%	3,586	3,319	-268	-7.5%
43.2%	3,485	3,212	-273	-7.8%
44.4%	3,442	3,182	-260	-7.5%
45.7%	3,413	3,074	-339	-9.9%
46.9%	3,376	2,966	-410	-12.1%
48.1%	3,347	2,797	-550	-16.4%
49.4%	3,337	2,619	-719	-21.5%
50.6%	3,319	2,615	-704	-21.2%
51.9%	3,283	2,570	-713	-21.7%
53.1%	3,212	2,566	-646	-20.1%
54.3%	3,074	2,561	-512	-16.7%
55.6%	2,870	2,536	-333	-11.6%
56.8%	2,756	2,517	-239	-8.7%
58.0%	2,619	2,499	-120	-4.6%
59.3%	2,615	2,460	-155	-5.9%
60.5%	2,581	2,453	-128	-5.0%
61.7%	2,570	2,415	-155	-6.0%
63.0%	2,566	2,388	-178	-6.9%
64.2%	2,529	2,081	-448	-17.7%
65.4%	2,525	2,046	-479	-19.0%
66.7%	2,500	2,006	-494	-19.8%
67.9%	2,499	1,952	-547	-21.9%
69.1%	2,460	1,863	-597	-24.3%
70.4%	2,457	1,817	-640	-26.0%
71.6%	2,415	1,805	-610	-25.3%
72.8%	2,137	1,790	-347	-16.2%
74.1%	2,081	1,771	-310	-14.9%
75.3%	2,081	1,708	-373	-17.9%
76.5%	2,046	1,674	-372	-18.2%
77.8%	1,952	1,568	-384	-19.7%
79.0%	1,805	1,522	-283	-15.7%
80.2%	1,790	1,441	-349	-19.5%
81.5%	1,771	1,418	-353	-19.9%
82.7%	1,708	1,347	-360	-21.1%
84.0%	1,568	1,310	-258	-16.4%
85.2%	1,548	1,228	-320	-20.7%
86.4%	1,442	1,200	-242	-16.8%
87.7%	1,441	1,128	-313	-21.7%
88.9%	1,418	1,087	-331	-23.3%
90.1%	1,347	959	-388	-28.8%
91.4%	1,310	888	-422	-32.2%
92.6%	1,244	872	-371	-29.8%
93.8%	1,228	800	-428	-34.8%
95.1%	1,120	800	-320	-28.6%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	731	-69	-8.6%
100.0%	800	728	-72	-9.0%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,236	4,462	226	5.3%
21.0%	4,080	4,219	138	3.4%
22.2%	3,998	4,149	151	3.8%
23.5%	3,961	3,978	17	0.4%
24.7%	3,893	3,961	69	1.8%
25.9%	3,871	3,893	21	0.6%
27.2%	3,859	3,871	12	0.3%
28.4%	3,825	3,859	35	0.9%
29.6%	3,777	3,825	47	1.3%
30.9%	3,757	3,821	65	1.7%
32.1%	3,577	3,777	201	5.6%
33.3%	3,548	3,757	208	5.9%
34.6%	3,479	3,577	98	2.8%
35.8%	3,455	3,548	93	2.7%
37.0%	3,445	3,479	34	1.0%
38.3%	3,437	3,445	8	0.2%
39.5%	3,417	3,406	-11	-0.3%
40.7%	3,406	3,404	-3	-0.1%
42.0%	3,404	3,346	-58	-1.7%
43.2%	3,346	3,313	-33	-1.0%
44.4%	3,295	3,257	-39	-1.2%
45.7%	3,266	3,252	-14	-0.4%
46.9%	3,254	3,239	-14	-0.4%
48.1%	3,252	3,111	-141	-4.3%
49.4%	3,187	2,888	-300	-9.4%
50.6%	2,969	2,844	-126	-4.2%
51.9%	2,888	2,783	-104	-3.6%
53.1%	2,844	2,758	-86	-3.0%
54.3%	2,771	2,715	-57	-2.0%
55.6%	2,758	2,628	-130	-4.7%
56.8%	2,715	2,581	-134	-4.9%
58.0%	2,581	2,564	-17	-0.7%
59.3%	2,551	2,536	-16	-0.6%
60.5%	2,536	2,531	-5	-0.2%
61.7%	2,531	2,438	-93	-3.7%
63.0%	2,529	2,385	-144	-5.7%
64.2%	2,470	2,349	-120	-4.9%
65.4%	2,438	2,343	-95	-3.9%
66.7%	2,385	2,327	-58	-2.4%
67.9%	2,349	2,281	-68	-2.9%
69.1%	2,343	2,276	-67	-2.9%
70.4%	2,327	2,038	-289	-12.4%
71.6%	2,245	1,991	-254	-11.3%
72.8%	2,048	1,990	-58	-2.8%
74.1%	1,991	1,987	-4	-0.2%
75.3%	1,990	1,975	-15	-0.8%
76.5%	1,965	1,774	-191	-9.7%
77.8%	1,774	1,662	-112	-6.3%
79.0%	1,662	1,499	-163	-9.8%
80.2%	1,447	1,447	0	0.0%
81.5%	1,432	1,445	13	0.9%
82.7%	1,348	1,379	32	2.3%
84.0%	1,302	1,304	2	0.1%
85.2%	1,235	1,262	27	2.2%
86.4%	1,139	1,235	96	8.4%
87.7%	1,066	1,139	74	6.9%
88.9%	1,039	1,039	0	0.0%
90.1%	943	995	52	5.5%
91.4%	934	943	9	0.9%
92.6%	800	898	98	12.3%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,722	3,373	652	23.9%
1.2%	2,595	2,722	127	4.9%
2.5%	2,497	2,580	84	3.3%
3.7%	2,489	2,485	-4	-0.2%
4.9%	2,249	2,250	1	0.0%
6.2%	2,137	2,129	-8	-0.4%
7.4%	2,057	2,049	-8	-0.4%
8.6%	1,952	1,952	0	0.0%
9.9%	1,862	1,855	-8	-0.4%
11.1%	1,852	1,768	-85	-4.6%
12.3%	1,768	1,737	-31	-1.7%
13.6%	1,744	1,700	-44	-2.5%
14.8%	1,639	1,639	0	0.0%
16.0%	1,637	1,632	-5	-0.3%
17.3%	1,629	1,624	-5	-0.3%
18.5%	1,624	1,618	-7	-0.4%
19.8%	1,558	1,585	27	1.7%
21.0%	1,485	1,485	0	0.0%
22.2%	1,477	1,477	0	0.0%
23.5%	1,464	1,429	-35	-2.4%
24.7%	1,456	1,411	-46	-3.1%
25.9%	1,437	1,406	-32	-2.2%
27.2%	1,411	1,395	-16	-1.1%
28.4%	1,395	1,394	-1	-0.1%
29.6%	1,394	1,391	-2	-0.2%
30.9%	1,391	1,341	-51	-3.7%
32.1%	1,382	1,340	-42	-3.1%
33.3%	1,340	1,335	-5	-0.4%
34.6%	1,335	1,329	-6	-0.5%
35.8%	1,329	1,320	-9	-0.7%
37.0%	1,323	1,317	-6	-0.5%
38.3%	1,257	1,297	39	3.1%
39.5%	1,254	1,254	0	0.0%
40.7%	1,252	1,253	1	0.1%
42.0%	1,247	1,248	2	0.1%
43.2%	1,235	1,235	0	0.0%
44.4%	1,230	1,230	0	0.0%
45.7%	1,218	1,218	0	0.0%
46.9%	1,195	1,201	6	0.5%
48.1%	1,130	1,195	65	5.7%
49.4%	1,114	1,130	16	1.5%
50.6%	1,104	1,114	10	0.9%
51.9%	1,086	1,086	0	0.0%
53.1%	1,070	1,070	0	0.0%
54.3%	1,046	1,053	8	0.8%
55.6%	1,038	1,046	7	0.7%
56.8%	1,030	1,038	8	0.8%
58.0%	1,029	1,030	0	0.0%
59.3%	1,028	1,029	1	0.1%
60.5%	1,014	1,028	14	1.4%
61.7%	1,007	1,014	7	0.7%
63.0%	980	999	19	2.0%
64.2%	974	980	6	0.7%
65.4%	967	974	7	0.7%
66.7%	952	967	15	1.6%
67.9%	938	940	2	0.2%
69.1%	924	938	14	1.5%
70.4%	923	924	1	0.1%
71.6%	892	923	30	3.4%
72.8%	892	892	0	0.0%
74.1%	872	892	20	2.3%
75.3%	868	872	5	0.5%
76.5%	856	840	-16	-1.9%
77.8%	840	800	-40	-4.8%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,487	3,487	0	0.0%
1.2%	3,487	3,487	0	0.0%
2.5%	3,487	3,487	0	0.0%
3.7%	2,637	2,626	-11	-0.4%
4.9%	2,575	2,623	47	1.8%
6.2%	2,439	2,428	-11	-0.4%
7.4%	2,316	2,304	-11	-0.5%
8.6%	1,901	1,896	-5	-0.3%
9.9%	1,634	1,623	-11	-0.7%
11.1%	1,602	1,591	-11	-0.7%
12.3%	1,544	1,533	-11	-0.7%
13.6%	1,487	1,476	-11	-0.7%
14.8%	1,390	1,390	0	0.0%
16.0%	1,298	1,298	0	0.0%
17.3%	1,295	1,295	0	0.0%
18.5%	1,256	1,245	-12	-0.9%
19.8%	1,249	1,238	-11	-0.9%
21.0%	1,232	1,220	-12	-0.9%
22.2%	1,226	1,126	-101	-8.2%
23.5%	1,208	1,041	-166	-13.8%
24.7%	1,200	1,025	-175	-14.6%
25.9%	1,126	1,024	-102	-9.1%
27.2%	1,025	975	-50	-4.9%
28.4%	1,023	968	-55	-5.4%
29.6%	975	921	-54	-5.6%
30.9%	975	867	-108	-11.1%
32.1%	972	849	-123	-12.7%
33.3%	968	848	-120	-12.4%
34.6%	947	837	-110	-11.6%
35.8%	921	831	-90	-9.8%
37.0%	872	821	-51	-5.9%
38.3%	867	816	-50	-5.8%
39.5%	849	800	-49	-5.8%
40.7%	837	800	-37	-4.4%
42.0%	832	800	-32	-3.9%
43.2%	831	800	-31	-3.7%
44.4%	821	800	-21	-2.5%
45.7%	816	800	-16	-2.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Table SW-37-b

Jones Pumping Plant (CVP), Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,427	4,161	-267	-6.0%
7.4%	4,183	4,155	-28	-0.7%
8.6%	4,022	3,957	-64	-1.6%
9.9%	4,019	3,907	-113	-2.8%
11.1%	3,907	3,804	-103	-2.6%
12.3%	3,776	3,662	-115	-3.0%
13.6%	3,701	3,661	-41	-1.1%
14.8%	3,645	3,525	-120	-3.3%
16.0%	3,530	3,513	-17	-0.5%
17.3%	3,452	3,486	34	1.0%
18.5%	3,307	3,452	146	4.4%
19.8%	3,255	3,207	-49	-1.5%
21.0%	3,232	3,186	-46	-1.4%
22.2%	3,202	3,123	-79	-2.5%
23.5%	3,170	3,117	-53	-1.7%
24.7%	3,133	2,911	-221	-7.1%
25.9%	3,085	2,823	-262	-8.5%
27.2%	2,951	2,823	-128	-4.3%
28.4%	2,911	2,786	-126	-4.3%
29.6%	2,793	2,768	-25	-0.9%
30.9%	2,773	2,762	-10	-0.4%
32.1%	2,747	2,753	6	0.2%
33.3%	2,746	2,727	-19	-0.7%
34.6%	2,727	2,673	-54	-2.0%
35.8%	2,687	2,670	-17	-0.6%
37.0%	2,673	2,509	-164	-6.1%
38.3%	2,670	2,479	-192	-7.2%
39.5%	2,665	2,455	-210	-7.9%
40.7%	2,614	2,441	-172	-6.6%
42.0%	2,605	2,310	-295	-11.3%
43.2%	2,604	2,301	-303	-11.6%
44.4%	2,564	2,295	-269	-10.5%
45.7%	2,526	2,191	-334	-13.2%
46.9%	2,509	2,039	-470	-18.7%
48.1%	2,269	2,027	-241	-10.6%
49.4%	2,108	2,004	-104	-4.9%
50.6%	2,039	1,909	-129	-6.4%
51.9%	1,921	1,876	-45	-2.3%
53.1%	1,909	1,873	-36	-1.9%
54.3%	1,873	1,862	-11	-0.6%
55.6%	1,855	1,855	0	0.0%
56.8%	1,850	1,850	0	0.0%
58.0%	1,839	1,833	-6	-0.3%
59.3%	1,833	1,725	-108	-5.9%
60.5%	1,725	1,722	-3	-0.2%
61.7%	1,722	1,693	-29	-1.7%
63.0%	1,693	1,688	-5	-0.3%
64.2%	1,683	1,678	-5	-0.3%
65.4%	1,678	1,668	-9	-0.6%
66.7%	1,668	1,661	-7	-0.4%
67.9%	1,661	1,653	-8	-0.5%
69.1%	1,660	1,650	-10	-0.6%
70.4%	1,653	1,635	-19	-1.1%
71.6%	1,650	1,618	-33	-2.0%
72.8%	1,618	1,610	-8	-0.5%
74.1%	1,606	1,606	0	0.0%
75.3%	1,597	1,540	-57	-3.6%
76.5%	1,590	1,533	-57	-3.6%
77.8%	1,540	1,520	-20	-1.3%
79.0%	1,520	1,455	-65	-4.3%
80.2%	1,518	1,407	-111	-7.3%
81.5%	1,493	801	-692	-46.4%
82.7%	1,356	800	-556	-41.0%
84.0%	800	744	-56	-7.1%
85.2%	744	614	-129	-17.4%
86.4%	614	550	-64	-10.4%
87.7%	550	481	-69	-12.6%
88.9%	488	435	-52	-10.7%
90.1%	484	427	-58	-11.9%
91.4%	435	407	-28	-6.5%
92.6%	427	358	-69	-16.2%
93.8%	407	354	-53	-13.0%
95.1%	354	289	-65	-18.2%
96.3%	262	263	1	0.5%
97.5%	226	236	10	4.3%
98.8%	201	226	25	12.6%
100.0%	88	68	-20	

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,585	4,600	15	0.3%
24.7%	4,583	4,600	17	0.4%
25.9%	4,583	4,600	17	0.4%
27.2%	4,582	4,600	18	0.4%
28.4%	4,582	4,584	2	0.0%
29.6%	4,582	4,583	1	0.0%
30.9%	4,582	4,583	1	0.0%
32.1%	4,582	4,583	1	0.0%
33.3%	4,581	4,583	2	0.0%
34.6%	4,581	4,583	2	0.0%
35.8%	4,506	4,582	76	1.7%
37.0%	4,448	4,582	134	3.0%
38.3%	4,381	4,582	201	4.6%
39.5%	4,378	4,582	204	4.7%
40.7%	4,306	4,581	275	6.4%
42.0%	4,301	4,575	274	6.4%
43.2%	4,260	4,500	240	5.6%
44.4%	4,217	4,236	18	0.4%
45.7%	4,173	4,211	38	0.9%
46.9%	4,156	4,167	11	0.3%
48.1%	3,837	4,103	266	6.9%
49.4%	3,800	4,062	263	6.9%
50.6%	3,767	3,933	167	4.4%
51.9%	3,616	3,828	212	5.9%
53.1%	3,609	3,686	78	2.2%
54.3%	3,526	3,632	105	3.0%
55.6%	3,447	3,487	39	1.1%
56.8%	3,415	3,475	60	1.8%
58.0%	3,338	3,468	130	3.9%
59.3%	3,281	3,357	77	2.3%
60.5%	3,249	3,342	93	2.9%
61.7%	3,145	3,289	144	4.6%
63.0%	3,111	3,244	133	4.3%
64.2%	3,078	3,186	108	3.5%
65.4%	3,062	3,155	93	3.0%
66.7%	3,050	3,126	76	2.5%
67.9%	3,047	3,122	75	2.5%
69.1%	2,971	3,112	141	4.7%
70.4%	2,963	3,110	147	5.0%
71.6%	2,898	2,929	31	1.1%
72.8%	2,795	2,884	90	3.2%
74.1%	2,773	2,863	90	3.3%
75.3%	2,718	2,784	66	2.4%
76.5%	2,678	2,727	50	1.9%
77.8%	2,611	2,678	66	2.5%
79.0%	2,416	2,641	225	9.3%
80.2%	2,358	2,601	243	10.3%
81.5%	2,263	2,514	251	11.1%
82.7%	2,073	2,406	333	16.0%
84.0%	2,037	2,373	336	16.5%
85.2%	2,009	2,292	284	14.1%
86.4%	1,829	2,291	462	25.3%
87.7%	1,788	2,053	265	14.8%
88.9%	1,711	1,580	-130	-7.6%
90.1%	1,519	1,504	-15	-1.0%
91.4%	1,459	1,273	-186	-12.8%
92.6%	1,299	1,111	-188	-14.5%
93.8%	1,230	1,094	-136	-11.0%
95.1%	800	1,069	269	33.7%
96.3%	800	991	191	23.9%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,600	0	0.0%
25.9%	4,600	4,600	0	0.0%
27.2%	4,600	4,600	0	0.0%
28.4%	4,600	4,600	0	0.0%
29.6%	4,600	4,600	0	0.0%
30.9%	4,600	4,600	0	0.0%
32.1%	4,600	4,600	0	0.0%
33.3%	4,600	4,600	0	0.0%
34.6%	4,600	4,600	0	0.0%
35.8%	4,600	4,600	0	0.0%
37.0%	4,600	4,600	0	0.0%
38.3%	4,600	4,600	0	0.0%
39.5%	4,600	4,600	0	0.0%
40.7%	4,600	4,600	0	0.0%
42.0%	4,600	4,600	0	0.0%
43.2%	4,600	4,600	0	0.0%
44.4%	4,600	4,600	0	0.0%
45.7%	4,600	4,600	0	0.0%
46.9%	4,537	4,600	64	1.4%
48.1%	4,523	4,600	77	1.7%
49.4%	4,424	4,600	176	4.0%
50.6%	4,295	4,600	305	7.1%
51.9%	4,183	4,600	417	10.0%
53.1%	4,174	4,600	426	10.2%
54.3%	4,141	4,600	459	11.1%
55.6%	4,136	4,600	464	11.2%
56.8%	3,932	4,582	650	16.5%
58.0%	3,737	4,572	834	22.3%
59.3%	3,672	4,418	746	20.3%
60.5%	3,464	4,338	873	25.2%
61.7%	3,210	4,113	903	28.1%
63.0%	3,193	4,111	918	28.7%
64.2%	3,110	3,854	744	23.9%
65.4%	3,097	3,838	741	23.9%
66.7%	3,065	3,700	634	20.7%
67.9%	3,025	3,632	607	20.1%
69.1%	2,870	3,498	628	21.9%
70.4%	2,866	3,464	599	20.9%
71.6%	2,806	3,462	656	23.4%
72.8%	2,793	3,382	589	21.1%
74.1%	2,740	3,381	641	23.4%
75.3%	2,698	3,240	542	20.1%
76.5%	2,577	3,238	661	25.7%
77.8%	2,575	3,213	638	24.8%
79.0%	2,511	3,121	610	24.3%
80.2%	2,431	2,998	567	23.3%
81.5%	2,305	2,998	693	30.1%
82.7%	2,276	2,985	709	31.2%
84.0%	2,221	2,920	699	31.5%
85.2%	2,179	2,867	688	31.6%
86.4%	2,145	2,819	673	31.4%
87.7%	2,103	2,721	617	29.3%
88.9%	1,969	2,634	665	33.8%
90.1%	1,708	2,621	913	53.5%
91.4%	1,602	2,433	831	51.9%
92.6%	1,474	2,368	894	60.7%
93.8%	1,471	2,331	860	58.5%
95.1%	1,240	2,188	948	76.4%
96.3%	1,240	2,150	911	73.5%
97.5%	1,239	1,726	487	39.3%
98.8%	800	1,718	918	114.8%
100.0%	800	1,340	540	67.5%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,592	4,600	8	0.2%
24.7%	4,569	4,600	31	0.7%
25.9%	4,533	4,600	67	1.5%
27.2%	4,517	4,600	83	1.8%
28.4%	4,373	4,600	227	5.2%
29.6%	4,209	4,600	391	9.3%
30.9%	4,151	4,600	449	10.8%
32.1%	4,147	4,600	453	10.9%
33.3%	4,133	4,600	467	11.3%
34.6%	4,114	4,600	486	11.8%
35.8%	4,113	4,600	487	11.8%
37.0%	4,060	4,600	540	13.3%
38.3%	3,998	4,600	602	15.1%
39.5%	3,984	4,600	616	15.5%
40.7%	3,974	4,600	626	15.7%
42.0%	3,965	4,600	635	16.0%
43.2%	3,875	4,600	725	18.7%
44.4%	3,868	4,597	730	18.9%
45.7%	3,863	4,594	731	18.9%
46.9%	3,854	4,525	671	17.4%
48.1%	3,847	4,505	658	17.1%
49.4%	3,832	4,461	629	16.4%
50.6%	3,729	4,443	714	19.2%
51.9%	3,675	4,394	719	19.6%
53.1%	3,612	4,286	674	18.7%
54.3%	3,552	4,265	713	20.1%
55.6%	3,549	4,259	710	20.0%
56.8%	3,527	4,219	691	19.6%
58.0%	3,473	4,216	743	21.4%
59.3%	3,307	4,213	907	27.4%
60.5%	3,271	4,046	775	23.7%
61.7%	3,232	3,951	719	22.2%
63.0%	3,172	3,891	720	22.7%
64.2%	3,155	3,888	733	23.2%
65.4%	3,137	3,808	671	21.4%
66.7%	3,098	3,760	662	21.4%
67.9%	3,058	3,759	702	22.9%
69.1%	2,984	3,725	741	24.8%
70.4%	2,945	3,664	719	24.4%
71.6%	2,944	3,655	711	24.2%
72.8%	2,924	3,655	731	25.0%
74.1%	2,902	3,601	699	24.1%
75.3%	2,854	3,581	727	25.5%
76.5%	2,843	3,522	679	23.9%
77.8%	2,838	3,458	620	21.9%
79.0%	2,825	3,427	603	21.3%
80.2%	2,777	3,400	623	22.4%
81.5%	2,717	3,293	576	21.2%
82.7%	2,693	3,226	533	19.8%
84.0%	2,680	3,079	399	14.9%
85.2%	2,674	2,972	298	11.1%
86.4%	2,574	2,841	267	10.4%
87.7%	2,506	2,840	334	13.3%
88.9%	2,425	2,612	187	7.7%
90.1%	2,321	2,511	189	8.1%
91.4%	2,220	2,444	224	10.1%
92.6%	2,157	2,421	263	12.2%
93.8%	2,099	2,330	231	11.0%
95.1%	1,999	2,239	241	12.0%
96.3%	800	1,337	537	67.1%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	600	-200	-25.0%

Figure SW-38-b
Banks Pumping Plant (SWP and CVP), Monthly Diversion
Probability of Exceedance

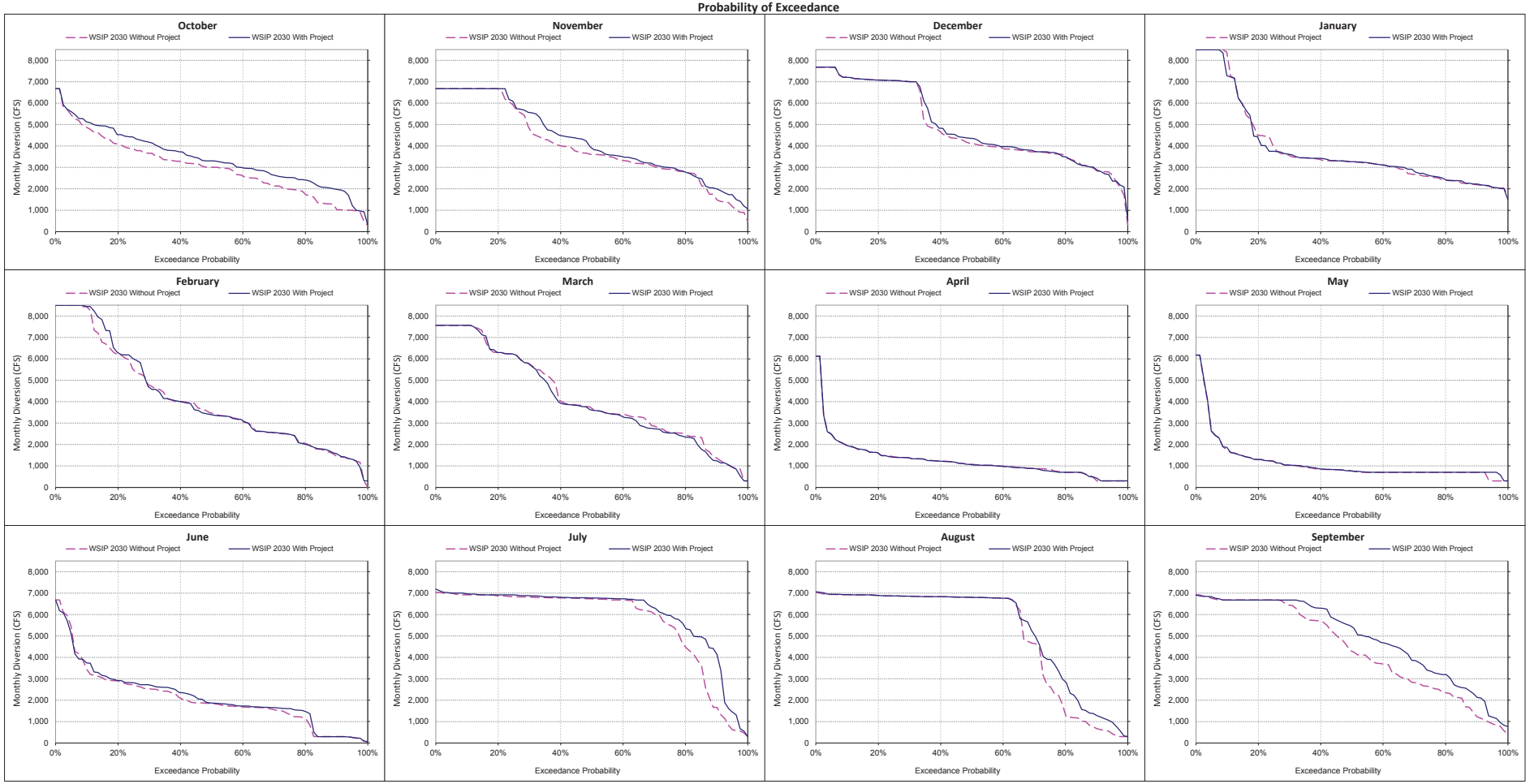


Table SW-38-b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	5,799	5,915	116	2.0%
3.7%	5,704	5,716	12	0.2%
4.9%	5,461	5,615	155	2.8%
6.2%	5,269	5,481	212	4.0%
7.4%	5,189	5,283	94	1.8%
8.6%	4,945	5,281	336	6.8%
9.9%	4,877	5,119	242	5.0%
11.1%	4,770	5,089	319	6.7%
12.3%	4,635	4,987	353	7.6%
13.6%	4,623	4,959	336	7.3%
14.8%	4,458	4,941	483	10.8%
16.0%	4,340	4,926	585	13.5%
17.3%	4,303	4,860	556	12.9%
18.5%	4,137	4,829	692	16.7%
19.8%	4,095	4,534	439	10.7%
21.0%	4,040	4,527	487	12.0%
22.2%	3,953	4,457	505	12.8%
23.5%	3,897	4,438	541	13.9%
24.7%	3,886	4,420	534	13.7%
25.9%	3,785	4,318	533	14.1%
27.2%	3,783	4,272	489	12.9%
28.4%	3,676	4,231	555	15.1%
29.6%	3,667	4,191	523	14.3%
30.9%	3,659	4,137	479	13.1%
32.1%	3,528	4,037	509	14.4%
33.3%	3,501	3,958	457	13.0%
34.6%	3,364	3,854	490	14.6%
35.8%	3,350	3,800	450	13.4%
37.0%	3,333	3,792	459	13.8%
38.3%	3,297	3,775	477	14.5%
39.5%	3,288	3,727	438	13.3%
40.7%	3,273	3,716	443	13.6%
42.0%	3,195	3,568	373	11.7%
43.2%	3,184	3,540	356	11.2%
44.4%	3,174	3,481	306	9.6%
45.7%	3,169	3,437	268	8.5%
46.9%	3,062	3,327	266	8.7%
48.1%	3,009	3,307	298	9.9%
49.4%	3,008	3,305	297	9.9%
50.6%	3,007	3,302	295	9.8%
51.9%	3,004	3,278	275	9.1%
53.1%	2,964	3,241	277	9.4%
54.3%	2,960	3,212	252	8.5%
55.6%	2,947	3,205	258	8.7%
56.8%	2,846	3,170	324	11.4%
58.0%	2,665	3,017	352	13.2%
59.3%	2,647	3,007	359	13.6%
60.5%	2,562	2,966	404	15.8%
61.7%	2,523	2,952	429	17.0%
63.0%	2,506	2,949	443	17.7%
64.2%	2,498	2,880	382	15.3%
65.4%	2,423	2,858	435	18.0%
66.7%	2,279	2,846	567	24.9%
67.9%	2,260	2,768	507	22.4%
69.1%	2,158	2,660	502	23.3%
70.4%	2,131	2,625	494	23.2%
71.6%	2,129	2,575	446	21.0%
72.8%	2,045	2,556	511	25.0%
74.1%	1,996	2,528	532	26.7%
75.3%	1,979	2,527	548	27.7%
76.5%	1,960	2,513	553	28.2%
77.8%	1,930	2,432	501	26.0%
79.0%	1,891	2,427	536	28.3%
80.2%	1,714	2,405	691	40.3%
81.5%	1,682	2,360	679	40.4%
82.7%	1,616	2,264	648	40.1%
84.0%	1,352	2,142	790	58.4%
85.2%	1,349	2,080	731	54.2%
86.4%	1,306	2,074	768	58.8%
87.7%	1,299	2,047	748	57.6%
88.9%	1,288	2,012	724	56.2%
90.1%	1,023	1,968	945	92.4%
91.4%	1,019	1,951	931	91.4%
92.6%	1,011	1,891	880	87.0%
93.8%	1,000	1,709	709	70.9%
95.1%	997	1,221	224	22.4%
96.3%	968	1,000	32	3.3%
97.5%	931	969	38	4.1%
98.8%	474	926	452	95.2%
100.0%	300	332	32	10.5%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,680	0	0.0%
16.0%	6,680	6,680	0	0.0%
17.3%	6,680	6,680	0	0.0%
18.5%	6,680	6,680	0	0.0%
19.8%	6,680	6,680	0	0.0%
21.0%	6,604	6,680	76	1.2%
22.2%	6,184	6,680	496	8.0%
23.5%	6,072	6,185	113	1.9%
24.7%	5,930	6,093	162	2.7%
25.9%	5,667	5,745	78	1.4%
27.2%	5,550	5,719	169	3.0%
28.4%	5,432	5,670	238	4.4%
29.6%	4,912	5,570	657	13.4%
30.9%	4,571	5,548	977	21.4%
32.1%	4,492	5,500	1,008	22.4%
33.3%	4,415	5,334	919	20.8%
34.6%	4,302	4,994	692	16.1%
35.8%	4,292	4,751	458	10.7%
37.0%	4,187	4,718	532	12.7%
38.3%	4,083	4,621	538	13.2%
39.5%	4,027	4,502	475	11.8%
40.7%	3,983	4,464	481	12.1%
42.0%	3,975	4,437	463	11.6%
43.2%	3,954	4,412	458	11.6%
44.4%	3,780	4,385	605	16.0%
45.7%	3,723	4,353	630	16.9%
46.9%	3,676	4,322	646	17.6%
48.1%	3,668	4,237	569	15.5%
49.4%	3,613	3,974	361	10.0%
50.6%	3,605	3,831	226	6.3%
51.9%	3,603	3,803	200	5.5%
53.1%	3,582	3,742	160	4.5%
54.3%	3,571	3,615	44	1.2%
55.6%	3,501	3,588	87	2.5%
56.8%	3,481	3,568	87	2.5%
58.0%	3,394	3,544	150	4.4%
59.3%	3,341	3,524	183	5.5%
60.5%	3,313	3,474	161	4.9%
61.7%	3,292	3,470	178	5.4%
63.0%	3,213	3,421	208	6.5%
64.2%	3,188	3,388	199	6.3%
65.4%	3,186	3,298	112	3.5%
66.7%	3,162	3,227	64	2.0%
67.9%	3,149	3,214	64	2.0%
69.1%	3,103	3,202	98	3.2%
70.4%	3,009	3,096	87	2.9%
71.6%	2,999	3,062	63	2.1%
72.8%	2,935	3,032	97	3.3%
74.1%	2,920	3,003	83	2.8%
75.3%	2,912	2,984	73	2.5%
76.5%	2,895	2,966	71	2.5%
77.8%	2,822	2,869	48	1.7%
79.0%	2,812	2,829	17	0.6%
80.2%	2,765	2,770	5	0.2%
81.5%	2,737	2,707	-29	-1.1%
82.7%	2,715	2,606	-109	-4.0%
84.0%	2,558	2,521	-37	-1.5%
85.2%	2,148	2,464	316	14.7%
86.4%	2,075	2,127	52	2.5%
87.7%	1,753	2,058	304	17.3%
88.9%	1,742	2,039	297	17.0%
90.1%	1,480	1,991	511	34.5%
91.4%	1,405	1,910	505	35.9%
92.6%	1,397	1,814	417	29.8%
93.8%	1,356	1,732	376	27.7%
95.1%	1,171	1,727	556	47.5%
96.3%	1,008	1,499	491	48.7%
97.5%	906	1,427	521	57.5%
98.8%	898	1,197	299	33.2%
100.0%	470	1,056	585	124.5%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,678	7,678	0	0.0%
1.2%	7,678	7,678	0	0.0%
2.5%	7,678	7,678	0	0.0%
3.7%	7,678	7,678	0	0.0%
4.9%	7,678	7,678	0	0.0%
6.2%	7,678	7,678	0	0.0%
7.4%	7,328	7,328	0	0.0%
8.6%	7,210	7,210	0	0.0%
9.9%	7,208	7,208	0	0.0%
11.1%	7,204	7,204	0	0.0%
12.3%	7,148	7,148	0	0.0%
13.6%	7,142	7,142	0	0.0%
14.8%	7,125	7,125	0	0.0%
16.0%	7,112	7,112	0	0.0%
17.3%	7,106	7,089	-17	-0.2%
18.5%	7,089	7,086	-3	0.0%
19.8%	7,086	7,077	-9	-0.1%
21.0%	7,077	7,072	-5	-0.1%
22.2%	7,072	7,065	-8	-0.1%
23.5%	7,065	7,063	-2	0.0%
24.7%	7,063	7,054	-9	-0.1%
25.9%	7,054	7,053	-1	0.0%
27.2%	7,053	7,042	-11	-0.2%
28.4%	7,042	7,016	-26	-0.4%
29.6%	7,016	7,005	-11	-0.2%
30.9%	7,004	7,004	0	0.0%
32.1%	6,999	6,999	0	0.0%
33.3%	6,606	6,775	169	2.6%
34.6%	5,212	6,123	911	17.5%
35.8%	4,936	5,750	813	16.5%
37.0%	4,849	5,120	272	5.6%
38.3%	4,834	5,041	206	4.3%
39.5%	4,717	4,834	117	2.5%
40.7%	4,547	4,824	277	6.1%
42.0%	4,501	4,560	59	1.3%
43.2%	4,381	4,553	171	3.9%
44.4%	4,365	4,540	175	4.0%
45.7%	4,348	4,431	83	1.9%
46.9%	4,281	4,414	134	3.1%
48.1%	4,185	4,381	196	4.7%
49.4%	4,120	4,363	243	5.9%
50.6%	4,108	4,348	241	5.9%
51.9%	4,056	4,281	224	5.5%
53.1%	4,029	4,140	111	2.8%
54.3%	4,023	4,108	85	2.1%
55.6%	3,985	4,087	103	2.6%
56.8%	3,971	4,074	102	2.6%
58.0%	3,970	4,029	58	1.5%
59.3%	3,931	3,975	44	1.1%
60.5%	3,859	3,971	112	2.9%
61.7%	3,857	3,970	113	2.9%
63.0%	3,846	3,962	117	3.0%
64.2%	3,827	3,921	94	2.4%
65.4%	3,804	3,846	42	1.1%
66.7%	3,795	3,821	26	0.7%
67.9%	3,747	3,811	64	1.7%
69.1%	3,732	3,804	72	1.9%
70.4%	3,729	3,747	18	0.5%
71.6%	3,727	3,732	5	0.1%
72.8%	3,706	3,730	23	0.6%
74.1%	3,688	3,729	41	1.1%
75.3%	3,639	3,697	59	1.6%
76.5%	3,637	3,688	51	1.4%
77.8%	3,624	3,639	15	0.4%
79.0%	3,617	3,514	-102	-2.8%
80.2%	3,440	3,492	51	1.5%
81.5%	3,395	3,364	-32	-0.9%
82.7%	3,324	3,276	-48	-1.4%
84.0%	3,262	3,156	-106	-3.2%
85.2%	3,108	3,100	-8	-0.3%
86.4%	3,077	3,090	13	0.4%
87.7%	2,997	3,022	25	0.9%
88.9%	2,984	3,009	25	0.8%
90.1%	2,832	2,876	44	1.5%
91.4%	2,814	2,814	0	0.0%
92.6%	2,799	2,693	-106	-3.8%
93.8%	2,795	2,677	-119	-4.2%
95.1%	2,638	2,359	-279	-10.6%
96.3%	2,322	2,357	35	1.5%
97.5%	2,077	2,173	95	4.6%
98.8%	1,708	2,097	389	22.8%
100.0%	300	516	216	71.9%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	8,500	8,500	0	0.0%
4.9%	8,500	8,500	0	0.0%
6.2%	8,500	8,500	0	0.0%
7.4%	8,500	8,500	0	0.0%
8.6%	8,500	8,348	-152	-1.8%
9.9%	8,383	7,288	-1,095	-13.1%
11.1%	7,260	7,218	-41	-0.6%
12.3%	7,166	7,166	0	0.0%
13.6%	6,236	6,236	0	0.0%
14.8%	5,970	5,969	0	0.0%
16.0%	5,457	5,676	219	4.0%
17.3%	5,266	5,433	167	3.2%
18.5%	4,926	4,457	-470	-9.5%
19.8%	4,494	4,436	-59	-1.3%
21.0%	4,490	4,022	-468	-10.4%
22.2%	4,457	4,020	-437	-9.8%
23.5%	4,441	3,754	-687	-15.5%
24.7%	4,022	3,751	-271	-6.7%
25.9%	3,760	3,746	-13	-0.4%
27.2%	3,646	3,715	69	1.9%
28.4%	3,619	3,646	27	0.8%
29.6%	3,579	3,619	40	1.1%
30.9%	3,495	3,579	83	2.4%
32.1%	3,474	3,495	21	0.6%
33.3%	3,449	3,453	4	0.1%
34.6%	3,444	3,447	3	0.1%
35.8%	3,429	3,447	18	0.5%
37.0%	3,428	3,429	2	0.0%
38.3%	3,410	3,429	19	0.6%
39.5%	3,381	3,424	43	1.3%
40.7%	3,324	3,410	87	2.6%
42.0%	3,319	3,377	58	1.8%
43.2%	3,309	3,319	10	0.3%
44.4%	3,308	3,313	5	0.2%
45.7%	3,304	3,310	5	0.2%
46.9%	3,300	3,305	4	0.1%
48.1%	3,277	3,296	19	0.6%
49.4%	3,262	3,270	8	0.3%
50.6%	3,260	3,263	3	0.1%
51.9%	3,242	3,254	12	0.4%
53.1%	3,234	3,250	16	0.5%
54.3%	3,207	3,234	27	0.8%
55.6%	3,193	3,207	14	0.4%
56.8%	3,179	3,172	-8	-0.2%
58.0%	3,149	3,149	0	0.0%
59.3%	3,110	3,125	15	0.5%
60.5%	3,097	3,110	13	0.4%
61.7%	3,056	3,056	0	0.0%
63.0%	3,046	3,046	0	0.0%
64.2%	3,005	3,041	36	1.2%
65.4%	2,917	3,019	102	3.5%
66.7%	2,915	3,005	90	3.1%
67.9%	2,718	2,917	200	7.3%
69.1%	2,686	2,915	229	8.5%
70.4%	2,670	2,782	112	4.2%
71.6%	2,646	2,719	73	2.8%
72.8%	2,602	2,718	115	4.4%
74.1%	2,583	2,646	63	2.4%
75.3%	2,554	2,603	49	1.9%
76.5%	2,528	2,583	55	2.2%
77.8%	2,502	2,554	52	2.1%
79.0%	2,405	2,502	96	4.0%
80.2%	2,392	2,405	13	0.5%
81.5%	2,380	2,392	12	0.5%
82.7%	2,380	2,380	0	0.0%
84.0%	2,372	2,380	7	0.3%
85.2%	2,263	2,372	109	4.8%
86.4%	2,258	2,265	7	0.3%
87.7%	2,225	2,260	35	1.6%
88.9%	2,220	2,225	5	0.2%
90.1%	2,193	2,220	27	1.2%
91.4%	2,170	2,194	24	1.1%
92.6%	2,155	2,170	16	0.7%
93.8%	2,128	2,155	26	1.2%
95.1%	2,068	2,068	0	0.0%
96.3%	2,055	2,051	-3	-0.2%
97.5%	2,040	2,024	-16	-0.8%
98.8%	2,030	2,002	-27	-1.3%
100.0%	1,643	1,499	-144	-8.8%

Table SW-38-b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	8,500	8,500	0	0.0%
4.9%	8,500	8,500	0	0.0%
6.2%	8,500	8,500	0	0.0%
7.4%	8,500	8,500	0	0.0%
8.6%	8,437	8,500	63	0.7%
9.9%	8,437	8,437	0	0.0%
11.1%	8,259	8,437	179	2.2%
12.3%	7,329	8,233	905	12.3%
13.6%	7,201	7,952	751	10.4%
14.8%	6,785	7,835	1,050	15.5%
16.0%	6,694	7,329	634	9.5%
17.3%	6,505	7,312	807	12.4%
18.5%	6,311	6,530	219	3.5%
19.8%	6,192	6,311	118	1.9%
21.0%	6,178	6,199	20	0.3%
22.2%	6,037	6,181	144	2.4%
23.5%	5,958	6,178	220	3.7%
24.7%	5,518	6,012	494	8.9%
25.9%	5,344	5,936	591	11.1%
27.2%	5,287	5,820	533	10.1%
28.4%	5,203	5,192	-11	-0.2%
29.6%	4,792	4,710	-81	-1.7%
30.9%	4,710	4,576	-135	-2.9%
32.1%	4,576	4,566	-10	-0.2%
33.3%	4,570	4,441	-129	-2.8%
34.6%	4,441	4,149	-292	-6.6%
35.8%	4,135	4,144	9	0.2%
37.0%	4,086	4,086	0	0.0%
38.3%	4,009	4,052	43	1.1%
39.5%	4,007	4,009	2	0.1%
40.7%	4,005	3,973	-32	-0.8%
42.0%	3,973	3,946	-28	-0.7%
43.2%	3,946	3,916	-30	-0.7%
44.4%	3,922	3,630	-292	-7.4%
45.7%	3,702	3,586	-115	-3.1%
46.9%	3,670	3,484	-186	-5.1%
48.1%	3,586	3,442	-145	-4.0%
49.4%	3,485	3,406	-79	-2.3%
50.6%	3,442	3,376	-66	-1.9%
51.9%	3,376	3,347	-28	-0.8%
53.1%	3,347	3,337	-10	-0.3%
54.3%	3,337	3,319	-19	-0.6%
55.6%	3,319	3,311	-8	-0.2%
56.8%	3,243	3,212	-31	-1.0%
58.0%	3,212	3,190	-22	-0.7%
59.3%	3,074	3,182	108	3.5%
60.5%	3,041	3,074	32	1.1%
61.7%	2,996	2,996	0	0.0%
63.0%	2,870	2,755	-115	-4.0%
64.2%	2,619	2,619	0	0.0%
65.4%	2,615	2,615	0	0.0%
66.7%	2,581	2,607	26	1.0%
67.9%	2,570	2,570	0	0.0%
69.1%	2,566	2,566	0	0.0%
70.4%	2,529	2,561	32	1.3%
71.6%	2,525	2,536	11	0.4%
72.8%	2,500	2,517	17	0.7%
74.1%	2,499	2,499	0	0.0%
75.3%	2,460	2,460	0	0.0%
76.5%	2,415	2,415	0	0.0%
77.8%	2,158	2,081	-77	-3.6%
79.0%	2,081	2,046	-35	-1.7%
80.2%	2,046	2,006	-40	-1.9%
81.5%	1,952	1,952	0	0.0%
82.7%	1,805	1,863	57	3.2%
84.0%	1,790	1,805	16	0.9%
85.2%	1,771	1,790	19	1.0%
86.4%	1,708	1,771	63	3.7%
87.7%	1,647	1,708	61	3.7%
88.9%	1,568	1,610	42	2.7%
90.1%	1,441	1,568	127	8.8%
91.4%	1,418	1,441	23	1.6%
92.6%	1,406	1,418	12	0.9%
93.8%	1,347	1,347	0	0.0%
95.1%	1,310	1,310	0	0.0%
96.3%	1,228	1,228	0	0.0%
97.5%	1,176	930	-246	-20.9%
98.8%	300	300	0	0.0%
100.0%	7	300	293	

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,561	7,561	0	0.0%
1.2%	7,561	7,561	0	0.0%
2.5%	7,561	7,561	0	0.0%
3.7%	7,561	7,561	0	0.0%
4.9%	7,561	7,561	0	0.0%
6.2%	7,561	7,561	0	0.0%
7.4%	7,561	7,561	0	0.0%
8.6%	7,561	7,561	0	0.0%
9.9%	7,561	7,561	0	0.0%
11.1%	7,561	7,561	0	0.0%
12.3%	7,485	7,485	0	0.0%
13.6%	7,418	7,318	-100	-1.3%
14.8%	7,318	7,122	-196	-2.7%
16.0%	6,766	7,067	301	4.4%
17.3%	6,448	6,448	0	0.0%
18.5%	6,309	6,429	120	1.9%
19.8%	6,296	6,295	-1	0.0%
21.0%	6,287	6,288	1	0.0%
22.2%	6,241	6,242	0	0.0%
23.5%	6,234	6,235	1	0.0%
24.7%	6,233	6,234	1	0.0%
25.9%	6,160	6,160	0	0.0%
27.2%	5,950	5,964	14	0.2%
28.4%	5,820	5,820	0	0.0%
29.6%	5,795	5,795	0	0.0%
30.9%	5,678	5,634	-43	-0.8%
32.1%	5,505	5,505	0	0.0%
33.3%	5,484	5,202	-281	-5.1%
34.6%	5,314	5,055	-259	-4.9%
35.8%	5,227	4,852	-375	-7.2%
37.0%	5,055	4,499	-555	-11.0%
38.3%	4,852	4,219	-633	-13.0%
39.5%	4,080	3,961	-119	-2.9%
40.7%	3,961	3,893	-69	-1.7%
42.0%	3,893	3,871	-22	-0.6%
43.2%	3,871	3,859	-12	-0.3%
44.4%	3,859	3,833	-26	-0.7%
45.7%	3,835	3,825	-10	-0.3%
46.9%	3,825	3,777	-47	-1.2%
48.1%	3,777	3,757	-21	-0.5%
49.4%	3,757	3,623	-134	-3.6%
50.6%	3,623	3,595	-28	-0.8%
51.9%	3,577	3,577	0	0.0%
53.1%	3,548	3,548	0	0.0%
54.3%	3,479	3,479	0	0.0%
55.6%	3,445	3,445	0	0.0%
56.8%	3,437	3,406	-31	-0.9%
58.0%	3,417	3,404	-13	-0.4%
59.3%	3,406	3,346	-61	-1.8%
60.5%	3,404	3,257	-147	-4.3%
61.7%	3,346	3,252	-94	-2.8%
63.0%	3,295	3,217	-79	-2.4%
64.2%	3,295	3,108	-187	-5.7%
65.4%	3,286	2,888	-398	-12.1%
66.7%	3,252	2,844	-408	-12.6%
67.9%	3,108	2,770	-339	-10.9%
69.1%	2,888	2,758	-130	-4.5%
70.4%	2,844	2,725	-119	-4.2%
71.6%	2,758	2,715	-43	-1.6%
72.8%	2,715	2,581	-134	-4.9%
74.1%	2,583	2,543	-41	-1.6%
75.3%	2,581	2,536	-45	-1.7%
76.5%	2,551	2,531	-20	-0.8%
77.8%	2,536	2,438	-98	-3.9%
79.0%	2,531	2,385	-146	-5.8%
80.2%	2,438	2,343	-95	-3.9%
81.5%	2,385	2,327	-58	-2.4%
82.7%	2,376	2,283	-94	-3.9%
84.0%	2,343	1,981	-362	-15.4%
85.2%	2,327	1,774	-554	-23.8%
86.4%	1,774	1,662	-112	-6.3%
87.7%	1,662	1,447	-215	-12.9%
88.9%	1,447	1,262	-185	-12.8%
90.1%	1,359	1,235	-124	-9.1%
91.4%	1,235	1,143	-92	-7.5%
92.6%	1,139	1,139	0	0.0%
93.8%	1,039	1,039	0	0.0%
95.1%	943	943	0	0.0%
96.3%	857	852	-4	-0.5%
97.5%	852	531	-321	-37.7%
98.8%	300	309	9	2.9%
100.0%	300	300	0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,125	6,125	0	0.0%
1.2%	6,125	6,125	0	0.0%
2.5%	3,367	3,364	-2	-0.1%
3.7%	2,622	2,599	-23	-0.9%
4.9%	2,489	2,485	-4	-0.2%
6.2%	2,249	2,250	1	0.0%
7.4%	2,137	2,129	-8	-0.4%
8.6%	2,057	2,049	-8	-0.4%
9.9%	1,973	1,952	-21	-1.1%
11.1%	1,952	1,902	-50	-2.6%
12.3%	1,862	1,855	-8	-0.4%
13.6%	1,768	1,800	33	1.9%
14.8%	1,761	1,768	7	0.4%
16.0%	1,744	1,737	-8	-0.4%
17.3%	1,639	1,639	0	0.0%
18.5%	1,637	1,632	-5	-0.3%
19.8%	1,624	1,624	0	0.0%
21.0%	1,485	1,485	0	0.0%
22.2%	1,477	1,477	0	0.0%
23.5%	1,456	1,429	-27	-1.9%
24.7%	1,437	1,411	-27	-1.9%
25.9%	1,411	1,395	-16	-1.1%
27.2%	1,395	1,394	-1	-0.1%
28.4%	1,394	1,391	-2	-0.2%
29.6%	1,391	1,389	-3	-0.2%
30.9%	1,340	1,340	0	0.0%
32.1%	1,335	1,335	0	0.0%
33.3%	1,329	1,329	0	0.0%
34.6%	1,323	1,320	-3	-0.3%
35.8%	1,254	1,254	0	0.0%
37.0%	1,252	1,248	-4	-0.3%
38.3%	1,237	1,235	-2	-0.2%
39.5%	1,235	1,230	-5	-0.4%
40.7%	1,230	1,218	-11	-0.9%
42.0%	1,218	1,201	-17	-1.4%
43.2%	1,195	1,195	0	0.0%
44.4%	1,175	1,175	0	0.0%
45.7%	1,130	1,130	0	0.0%
46.9%	1,114	1,114	0	0.0%
48.1%	1,104	1,086	-18	-1.7%
49.4%	1,086	1,070	-16	-1.4%
50.6%	1,070	1,046	-24	-2.3%
51.9%	1,046	1,038	-7	-0.7%
53.1%	1,038	1,030	-9	-0.8%
54.3%	1,030	1,029	-1	0.0%
55.6%	1,029	1,028	-1	-0.1%
56.8%	1,028	1,014	-14	-1.4%
58.0%	1,014	999	-15	-1.4%
59.3%	1,007	980	-27	-2.7%
60.5%	980	974	-6	-0.6%
61.7%	974	967	-7	-0.7%
63.0%	967	938	-29	-3.0%
64.2%	938	924	-14	-1.5%
65.4%	924	923	-1	-0.1%
66.7%	923	911	-12	-1.3%
67.9%	892	892	0	0.0%
69.1%	892	892	0	0.0%
70.4%	881	872	-9	-1.1%
71.6%	872	840	-32	-3.7%
72.8%	868	792	-76	-8.7%
74.1%	852	773	-79	-9.3%
75.3%	840	757	-84	-9.9%
76.5%	757	745	-12	-1.6%
77.8%	745	700	-45	-6.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	682	-18	-2.6%
86.4%	612	616	5	0.7%
87.7%	582	500	-82	-14.1%
88.9%	473	489	17	3.5%
90.1%	300	421	121	40.5%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,177	6,177	0	0.0%
1.2%	6,177	6,177	0	0.0%
2.5%	4,995	5,093	97	1.9%
3.7%	4,049	4,046	-3	-0.1%
4.9%	2,637	2,626	-11	-0.4%
6.2%	2,439	2,428	-11	-0.4%
7.4%	2,316	2,304	-11	-0.5%
8.6%	1,901	1,896	-5	-0.3%
9.9%	1,736	1,863	127	7.3%
11.1%	1,634	1,623	-11	-0.7%
12.3%	1,602	1,591	-11	-0.7%
13.6%	1,544	1,533	-11	-0.7%
14.8%	1,487	1,476	-11	-0.7%
16.0%	1,420	1,420	0	0.0%
17.3%	1,390	1,390	0	0.0%
18.5%	1,314	1,315	1	0.1%
19.8%	1,298	1,298	0	0.0%
21.0%	1,295	1,295	0	0.0%
22.2%	1,256	1,245	-12	-0.9%
23.5%	1,249	1,238	-11	-0.9%
24.7%	1,232	1,220	-12	-0.9%
25.9%	1,126	1,140	15	1.3%
27.2%	1,111	1,126	15	1.3%
28.4%	1,041	1,041	1	0.1%
29.6%	1,038	1,041	4	0.4%
30.9%	1,025	1,037	13	1.2%
32.1%	1,023	1,025	2	0.2%
33.3%	975	1,024	48	5.0%
34.6%	968	975	7	0.8%
35.8%	921	968	47	5.1%
37.0%	909	921	12	1.3%
38.3%	867	909	42	4.8%
39.5%	849	867	18	2.1%
40.7%	841	849	8	1.0%
42.0%	837	841	4	0.4%
43.2%	832	837	4	0.5%
44.4%	831	831	0	0.0%
45.7%	821	821	0	0.0%
46.9%	816	816	0	0.0%
48.1%	782	782	0	0.0%
49.4%	776	778	2	0.3%
50.6%	754	755	1	0.1%
51.9%	716	754	38	5.2%
53.1%	700	725	25	3.6%
54.3%	700	711	11	1.6%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	340	700	360	106.1%
95.1%	300	700	400	133.3%
96.3%	300	700	400	133.3%
97.5%	300	578	278	92.7%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

Table SW-38-b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,179	-501	-7.5%
2.5%	6,111	6,064	-46	-0.8%
3.7%	5,959	5,714	-245	-4.1%
4.9%	5,455	5,119	-336	-6.2%
6.2%	4,262	4,161	-101	-2.4%
7.4%	4,183	3,917	-265	-6.3%
8.6%	3,907	3,907	0	0.0%
9.9%	3,452	3,741	289	8.4%
11.1%	3,202	3,729	527	16.4%
12.3%	3,170	3,318	148	4.7%
13.6%	3,118	3,297	179	5.7%
14.8%	3,055	3,158	103	3.4%
16.0%	2,951	3,117	166	5.6%
17.3%	2,930	3,018	87	3.0%
18.5%	2,912	2,981	69	2.4%
19.8%	2,911	2,917	6	0.2%
21.0%	2,853	2,911	58	2.0%
22.2%	2,776	2,828	52	1.9%
23.5%	2,730	2,823	93	3.4%
24.7%	2,727	2,823	96	3.5%
25.9%	2,665	2,786	120	4.5%
27.2%	2,618	2,727	109	4.2%
28.4%	2,545	2,722	177	7.0%
29.6%	2,543	2,721	177	7.0%
30.9%	2,514	2,691	177	7.0%
32.1%	2,509	2,622	113	4.5%
33.3%	2,439	2,614	175	7.2%
34.6%	2,424	2,605	181	7.5%
35.8%	2,423	2,596	174	7.2%
37.0%	2,352	2,547	195	8.3%
38.3%	2,312	2,509	197	8.5%
39.5%	2,128	2,353	225	10.6%
40.7%	2,039	2,340	301	14.8%
42.0%	2,005	2,310	305	15.2%
43.2%	1,909	2,262	352	18.5%
44.4%	1,878	2,188	309	16.5%
45.7%	1,876	2,049	173	9.2%
46.9%	1,873	2,039	166	8.8%
48.1%	1,855	1,909	54	2.9%
49.4%	1,850	1,873	23	1.2%
50.6%	1,833	1,855	22	1.2%
51.9%	1,816	1,850	35	1.9%
53.1%	1,770	1,833	63	3.5%
54.3%	1,733	1,825	92	5.3%
55.6%	1,725	1,800	75	4.4%
56.8%	1,722	1,789	67	3.9%
58.0%	1,705	1,737	32	1.9%
59.3%	1,693	1,727	34	2.0%
60.5%	1,678	1,725	47	2.8%
61.7%	1,668	1,722	54	3.2%
63.0%	1,663	1,693	30	1.8%
64.2%	1,661	1,688	27	1.6%
65.4%	1,653	1,678	25	1.5%
66.7%	1,650	1,668	18	1.1%
67.9%	1,618	1,661	43	2.6%
69.1%	1,590	1,653	63	4.0%
70.4%	1,540	1,650	111	7.2%
71.6%	1,520	1,635	115	7.5%
72.8%	1,493	1,618	125	8.4%
74.1%	1,396	1,610	215	15.4%
75.3%	1,312	1,606	294	22.4%
76.5%	1,222	1,540	318	26.0%
77.8%	1,222	1,533	311	25.4%
79.0%	1,206	1,520	314	26.1%
80.2%	1,122	1,455	333	29.7%
81.5%	827	1,365	538	65.0%
82.7%	300	503	203	67.8%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	289	-11	-3.5%
95.1%	262	262	0	-0.2%
96.3%	226	236	10	4.3%
97.5%	201	226	25	12.6%
98.8%	90	86	-4	
100.0%	47	68	20	

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,039	7,180	141	2.0%
1.2%	7,030	7,111	81	1.2%
2.5%	7,005	7,039	34	0.5%
3.7%	7,005	7,030	25	0.4%
4.9%	7,005	7,005	0	0.0%
6.2%	6,959	7,005	46	0.7%
7.4%	6,926	7,005	79	1.1%
8.6%	6,922	7,005	83	1.2%
9.9%	6,922	6,970	48	0.7%
11.1%	6,922	6,959	37	0.5%
12.3%	6,922	6,959	37	0.5%
13.6%	6,922	6,926	4	0.1%
14.8%	6,922	6,922	0	0.0%
16.0%	6,921	6,922	1	0.0%
17.3%	6,913	6,922	9	0.1%
18.5%	6,905	6,922	18	0.3%
19.8%	6,871	6,922	52	0.8%
21.0%	6,869	6,922	53	0.8%
22.2%	6,868	6,922	55	0.8%
23.5%	6,837	6,921	84	1.2%
24.7%	6,836	6,913	77	1.1%
25.9%	6,828	6,907	79	1.2%
27.2%	6,825	6,882	57	0.8%
28.4%	6,824	6,879	55	0.8%
29.6%	6,819	6,876	57	0.8%
30.9%	6,808	6,869	61	0.9%
32.1%	6,792	6,868	76	1.1%
33.3%	6,790	6,855	65	1.0%
34.6%	6,790	6,836	46	0.7%
35.8%	6,788	6,825	37	0.5%
37.0%	6,782	6,824	41	0.6%
38.3%	6,779	6,819	40	0.6%
39.5%	6,778	6,808	30	0.4%
40.7%	6,778	6,799	21	0.3%
42.0%	6,773	6,792	19	0.3%
43.2%	6,766	6,790	24	0.4%
44.4%	6,760	6,790	30	0.4%
45.7%	6,756	6,788	32	0.5%
46.9%	6,752	6,782	30	0.4%
48.1%	6,738	6,779	40	0.6%
49.4%	6,734	6,778	44	0.7%
50.6%	6,731	6,778	47	0.7%
51.9%	6,718	6,773	55	0.8%
53.1%	6,716	6,766	49	0.7%
54.3%	6,711	6,760	50	0.7%
55.6%	6,680	6,752	72	1.1%
56.8%	6,680	6,749	69	1.0%
58.0%	6,680	6,738	58	0.9%
59.3%	6,680	6,734	54	0.8%
60.5%	6,680	6,731	51	0.8%
61.7%	6,660	6,718	57	0.9%
63.0%	6,648	6,716	68	1.0%
64.2%	6,296	6,680	384	6.1%
65.4%	6,225	6,680	455	7.3%
66.7%	6,205	6,680	475	7.6%
67.9%	6,171	6,487	317	5.1%
69.1%	6,124	6,360	236	3.9%
70.4%	5,994	6,290	296	4.9%
71.6%	5,994	6,114	121	2.0%
72.8%	5,695	6,060	366	6.4%
74.1%	5,559	5,971	412	7.4%
75.3%	5,480	5,949	469	8.6%
76.5%	5,382	5,815	433	8.1%
77.8%	5,093	5,766	673	13.2%
79.0%	4,671	5,613	942	20.2%
80.2%	4,444	5,334	890	20.0%
81.5%	4,290	5,287	997	23.2%
82.7%	4,125	4,973	848	20.6%
84.0%	3,844	4,961	1,117	29.1%
85.2%	3,592	4,954	1,363	37.9%
86.4%	2,598	4,849	2,251	86.6%
87.7%	2,124	4,440	2,316	109.0%
88.9%	1,671	4,417	2,746	164.3%
90.1%	1,658	4,144	2,486	150.0%
91.4%	1,322	3,376	2,054	155.3%
92.6%	1,147	1,889	742	64.7%
93.8%	831	1,607	777	93.5%
95.1%	614	1,454	840	136.7%
96.3%	579	1,315	736	127.0%
97.5%	558	676	118	21.1%
98.8%	469	548	79	16.9%
100.0%	300	300	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,039	7,063	24	0.3%
1.2%	7,005	7,039	34	0.5%
2.5%	6,959	7,020	62	0.9%
3.7%	6,938	6,959	21	0.3%
4.9%	6,938	6,938	0	0.0%
6.2%	6,937	6,938	0	0.0%
7.4%	6,926	6,937	12	0.2%
8.6%	6,925	6,926	1	0.0%
9.9%	6,925	6,925	0	0.0%
11.1%	6,922	6,925	2	0.0%
12.3%	6,922	6,922	0	0.0%
13.6%	6,922	6,922	0	0.0%
14.8%	6,922	6,922	0	0.0%
16.0%	6,921	6,921	0	0.0%
17.3%	6,919	6,919	0	0.0%
18.5%	6,918	6,894	-24	-0.3%
19.8%	6,894	6,888	-6	-0.1%
21.0%	6,876	6,876	0	0.0%
22.2%	6,874	6,874	0	0.0%
23.5%	6,873	6,873	0	0.0%
24.7%	6,871	6,871	0	0.0%
25.9%	6,868	6,864	-3	0.0%
27.2%	6,864	6,860	-4	-0.1%
28.4%	6,860	6,859	-2	0.0%
29.6%	6,859	6,855	-3	0.0%
30.9%	6,855	6,850	-5	-0.1%
32.1%	6,850	6,848	-3	0.0%
33.3%	6,848	6,845	-2	0.0%
34.6%	6,845	6,839	-6	-0.1%
35.8%	6,839	6,833	-6	-0.1%
37.0%	6,833	6,832	-1	0.0%
38.3%	6,832	6,830	-1	0.0%
39.5%	6,830	6,829	-1	0.0%
40.7%	6,829	6,829	0	0.0%
42.0%	6,829	6,828	-1	0.0%
43.2%	6,828	6,825	-2	0.0%
44.4%	6,825	6,814	-11	-0.2%
45.7%	6,814	6,813	-1	0.0%
46.9%	6,813	6,806	-7	-0.1%
48.1%	6,806	6,806	0	0.0%
49.4%	6,806	6,805	-1	0.0%
50.6%	6,805	6,800	-5	-0.1%
51.9%	6,800	6,798	-3	0.0%
53.1%	6,798	6,793	-5	-0.1%
54.3%	6,793	6,789	-4	-0.1%
55.6%	6,789	6,779	-9	-0.1%
56.8%	6,779	6,776	-3	0.0%
58.0%	6,776	6,774	-2	0.0%
59.3%	6,774	6,759	-15	-0.2%
60.5%	6,759	6,757	-3	0.0%
61.7%	6,757	6,745	-12	-0.2%
63.0%	6,680	6,680	0	0.0%
64.2%	6,422	6,534	112	1.7%
65.4%	6,188	5,798	-390	-6.3%
66.7%	4,812	5,729	917	19.1%
67.9%	4,749	5,661	912	19.2%
69.1%	4,670	5,256	586	12.5%
70.4%	4,634	4,978	344	7.4%
71.6%	4,491	4,603	112	2.5%
72.8%	3,159	4,045	886	28.0%
74.1%	2,740	3,911	1,171	42.7%
75.3%	2,597	3,897	1,301	50.1%
76.5%	2,289	3,662	1,374	60.0%
77.8%	2,230	3,369	1,140	51.1%
79.0%	1,804	2,985	1,180	65.4%
80.2%	1,221	2,824	1,603	131.3%
81.5%	1,209	2,321	1,112	92.0%
82.7%	1,177	2,232	1,055	89.7%
84.0%	1,174	1,999	825	70.3%
85.2%	1,024	1,569	545	53.2%
86.4%	1,003	1,522	519	51.8%
87.7%	838	1,402	564	67.3%
88.9%	760	1,381	621	81.6%
90.1%	667	1,282	616	92.4%
91.4%	625	1,209	584	93.4%
92.6%	579	1,134	555	95.8%
93.8%	558	1,065	507	91.0%
95.1%	430	960	530	123.3%
96.3%	333	773	441	132.5%
97.5%	300	579	279	93.1%
98.8%	300	334	34	11.2%
100.0%	300	300	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,930	6,909	-21	-0.3%
1.2%	6,910	6,866	-44	-0.6%
2.5%	6,859	6,851	-8	-0.1%
3.7%	6,841	6,843	2	0.0%
4.9%	6,761	6,835	75	1.1%
6.2%	6,716	6,761	45	0.7%
7.4%	6,682	6,735	52	0.8%
8.6%	6,680	6,681	1	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,680	0	0.0%
16.0%	6,680	6,680	0	0.0%
17.3%	6,680	6,680	0	0.0%
18.5%	6,680	6,680	0	0.0%
19.8%	6,680	6,680	0	0.0%
21.0%	6,680	6,680	0	0.0%
22.2%	6,680	6,680	0	0.0%
23.5%	6,680	6,680	0	0.0%
24.7%	6,680	6,680	0	0.0%
25.9%	6,680	6,680	0	0.0%
27.2%	6,656	6,680	24	0.4%
28.4%	6,542	6,680	138	2.1%
29.6%	6,435	6,680	245	3.8%
30.9%	6,427	6,680	253	3.9%
32.1%	6,286	6,680	394	6.3%
33.3%	5,992	6,629	637	10.6%
34.6%	5,885	6,613	728	12.4%
35.8%	5,737	6,488	751	13.1%
37.0%	5,734	6,375	641	11.2%
38.3%	5,718	6,311	593	10.4%
39.5%	5,705	6,296	591	10.4%
40.7%	5,650	6,284	634	11.2%
42.0%	5,501	6,251	750	13.6%
43.2%	5,259	5,886	627	11.9%
44.4%	5,098	5,792	693	13.6%
45.7%	4,936	5,701	766	15.5%
46.9%	4,815	5,618	803	16.7%
48.1%	4,593	5,553	960	20.9%
49.4%	4,326	5,487	1,161	26.8%
50.6%	4,241	5,368	1,127	26.6%
51.9%	4,113	5,056	943	22.9%
53.1%	4,108	5,041	933	22.7%
54.3%	4,102	4,977	875	21.3%
55.6%	3,935	4,950	1,014	25.8%
56.8%	3,779	4,853	1,074	28.4%
58.0%	3,721	4,811	1,090	29.3%
59.3%	3,710	4,697	988	26.6%
60.5%	3,669	4,660	991	27.0%
61.7%	3,655	4,620	965	26.4%
63.0%	3,262	4,538	1,276	39.1%
64.2%	3,230	4,492	1,262	39.1%
65.4%	3,088	4,414	1,326	42.9%
66.7%	3,026	4,285	1,259	41.6%
67.9%	2,982	4,150	1,168	39.2%
69.1%	2,839	3,860	1,021	35.9%
70.4%	2,814	3,849	1,035	36.8%
71.6%	2,770	3,750	981	35.4%
72.8%	2,667	3,629	962	36.1%
74.1%	2,659	3,406	747	28.1%
75.3%	2,601	3,350	750	28.8%
76.5%	2,533	3,272	739	29.2%
77.8%	2,507	3,227	720	28.7%
79.0%	2,382	3,199	817	34.3%
80.2%	2,341	3,196	855	36.5%
81.5%	2,307	3,029	723	31.3%
82.7%	2,137	2,726	589	27.6%
84.0%	2,125	2,633	508	23.9%
85.2%	2,098	2,594	497	23.7%
86.4%	1,694	2,568	874	51.6%
87.7%	1,664	2,443	779	46.8%
88.9%	1,434	2,305	871	60.7%
90.1%	1,221	2,125	904	74.0%
91.4%	1,160	2,106	947	81.6%
92.6%	1,057	1,940	883	83.5%
93.8%	980	1,267	287	29.3%
95.1%	898	1,201	303	33.8%
96.3%	824	1,143	319	38.8%
97.5%	785	956	172	21.9%
98.8%	568	834	266	46.7%
100.0%	418	768	349	83.5%

Figure SW-39-b
Banks Pumping Plant (SWP), Monthly Diversion
Probability of Exceedance

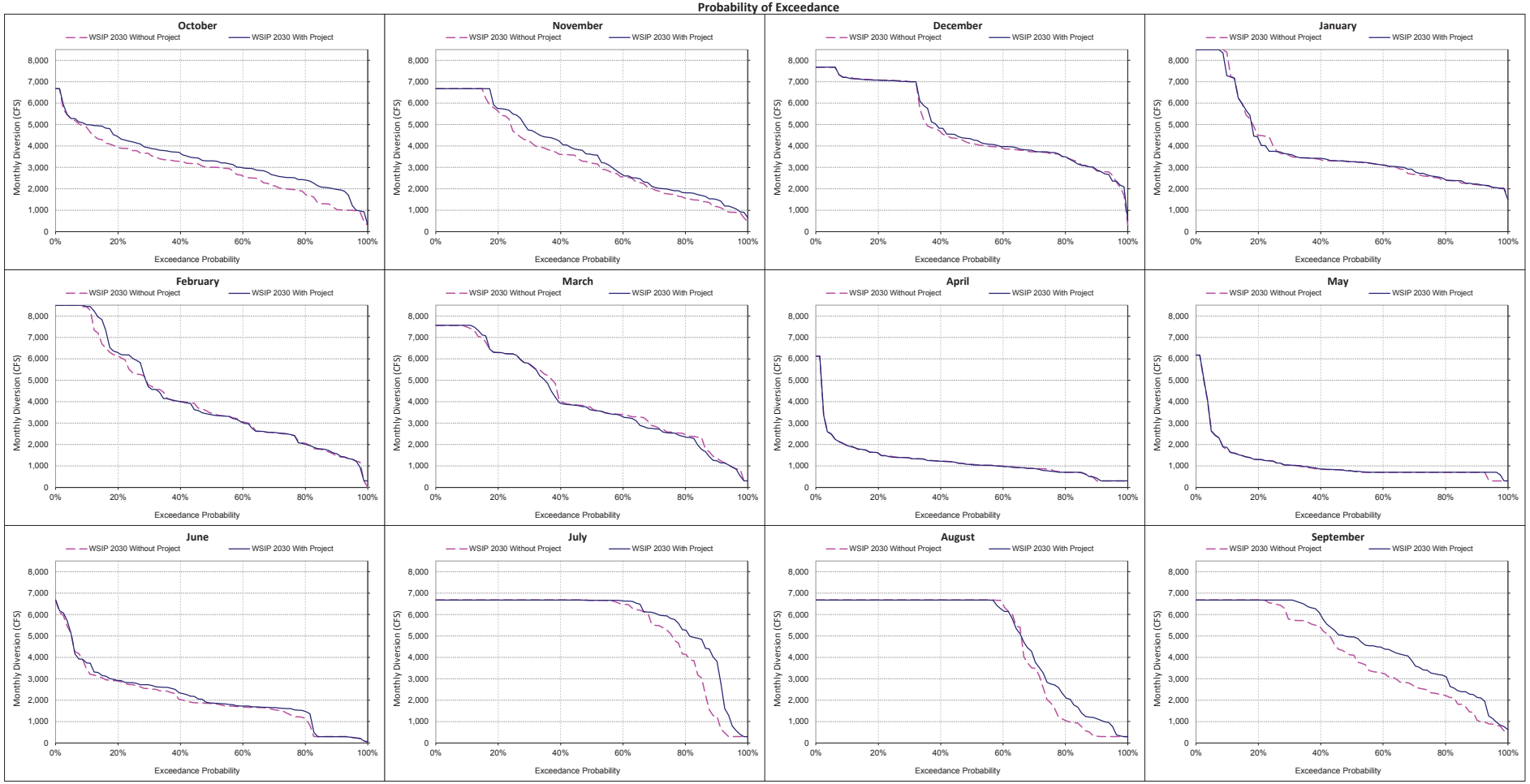


Table SW-39-b

Banks Pumping Plant (SWP), Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	5,704	5,915	211	3.7%
3.7%	5,461	5,481	21	0.4%
4.9%	5,269	5,283	14	0.3%
6.2%	5,189	5,281	91	1.8%
7.4%	5,039	5,119	80	1.6%
8.6%	4,945	5,089	144	2.9%
9.9%	4,877	4,989	112	2.3%
11.1%	4,635	4,987	353	7.6%
12.3%	4,458	4,959	501	11.2%
13.6%	4,331	4,941	610	14.1%
14.8%	4,303	4,926	622	14.5%
16.0%	4,137	4,829	692	16.7%
17.3%	4,095	4,809	714	17.4%
18.5%	4,025	4,534	509	12.6%
19.8%	3,953	4,457	505	12.8%
21.0%	3,897	4,318	422	10.8%
22.2%	3,886	4,272	386	9.9%
23.5%	3,880	4,231	352	9.1%
24.7%	3,785	4,191	405	10.7%
25.9%	3,783	4,137	354	9.4%
27.2%	3,676	4,093	417	11.4%
28.4%	3,667	3,958	290	7.9%
29.6%	3,659	3,921	262	7.2%
30.9%	3,528	3,879	351	9.9%
32.1%	3,501	3,854	353	10.1%
33.3%	3,404	3,800	395	11.6%
34.6%	3,364	3,792	428	12.7%
35.8%	3,350	3,763	413	12.3%
37.0%	3,333	3,727	394	11.8%
38.3%	3,297	3,716	419	12.7%
39.5%	3,288	3,708	419	12.8%
40.7%	3,273	3,580	307	9.4%
42.0%	3,195	3,540	345	10.8%
43.2%	3,184	3,481	297	9.3%
44.4%	3,174	3,450	276	8.7%
45.7%	3,169	3,437	268	8.5%
46.9%	3,062	3,327	266	8.7%
48.1%	3,009	3,307	298	9.9%
49.4%	3,008	3,305	297	9.9%
50.6%	3,007	3,302	295	9.8%
51.9%	3,004	3,278	275	9.1%
53.1%	2,964	3,212	248	8.4%
54.3%	2,960	3,205	245	8.3%
55.6%	2,947	3,170	223	7.6%
56.8%	2,846	3,134	288	10.1%
58.0%	2,665	3,017	352	13.2%
59.3%	2,647	3,007	359	13.6%
60.5%	2,562	2,966	404	15.8%
61.7%	2,523	2,952	429	17.0%
63.0%	2,506	2,949	443	17.7%
64.2%	2,498	2,880	382	15.3%
65.4%	2,423	2,858	435	18.0%
66.7%	2,279	2,846	567	24.9%
67.9%	2,260	2,768	507	22.4%
69.1%	2,158	2,660	502	23.3%
70.4%	2,131	2,625	494	23.2%
71.6%	2,045	2,575	530	25.9%
72.8%	2,003	2,556	553	27.6%
74.1%	1,996	2,528	532	26.7%
75.3%	1,979	2,527	548	27.7%
76.5%	1,960	2,513	553	28.2%
77.8%	1,930	2,432	501	26.0%
79.0%	1,891	2,427	536	28.3%
80.2%	1,714	2,405	691	40.3%
81.5%	1,682	2,360	679	40.4%
82.7%	1,616	2,264	648	40.1%
84.0%	1,352	2,142	790	58.4%
85.2%	1,306	2,080	774	59.2%
86.4%	1,299	2,074	775	59.7%
87.7%	1,288	2,047	758	58.9%
88.9%	1,154	2,012	858	74.3%
90.1%	1,023	1,968	945	92.4%
91.4%	1,019	1,951	931	91.4%
92.6%	1,011	1,891	880	87.0%
93.8%	1,000	1,709	709	70.9%
95.1%	997	1,221	224	22.4%
96.3%	968	1,000	32	3.3%
97.5%	931	969	38	4.1%
98.8%	474	926	452	95.2%
100.0%	300	332	32	10.5%

November				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,680	0	0.0%
16.0%	6,217	6,680	463	7.4%
17.3%	5,915	6,680	765	12.9%
18.5%	5,788	5,928	140	2.4%
19.8%	5,667	5,752	85	1.5%
21.0%	5,432	5,745	313	5.8%
22.2%	5,409	5,719	310	5.7%
23.5%	5,263	5,670	406	7.7%
24.7%	4,704	5,500	796	16.9%
25.9%	4,571	5,435	863	18.9%
27.2%	4,415	5,281	866	19.6%
28.4%	4,302	4,994	692	16.1%
29.6%	4,292	4,751	458	10.7%
30.9%	4,121	4,721	599	14.5%
32.1%	3,983	4,621	637	16.0%
33.3%	3,954	4,502	548	13.8%
34.6%	3,921	4,437	516	13.2%
35.8%	3,842	4,412	571	14.9%
37.0%	3,780	4,385	605	16.0%
38.3%	3,723	4,322	598	16.1%
39.5%	3,613	4,237	624	17.3%
40.7%	3,603	4,061	458	12.7%
42.0%	3,603	4,042	439	12.2%
43.2%	3,582	3,942	360	10.0%
44.4%	3,571	3,868	297	8.3%
45.7%	3,394	3,831	437	12.9%
46.9%	3,292	3,803	511	15.5%
48.1%	3,280	3,627	347	10.6%
49.4%	3,213	3,615	403	12.5%
50.6%	3,188	3,588	399	12.5%
51.9%	3,162	3,568	405	12.8%
53.1%	2,912	3,227	315	10.8%
54.3%	2,895	3,202	307	10.6%
55.6%	2,822	3,104	282	10.0%
56.8%	2,737	2,966	230	8.4%
58.0%	2,715	2,829	114	4.2%
59.3%	2,561	2,707	146	5.7%
60.5%	2,558	2,606	48	1.9%
61.7%	2,535	2,605	70	2.7%
63.0%	2,483	2,521	38	1.5%
64.2%	2,314	2,499	185	8.0%
65.4%	2,290	2,464	174	7.6%
66.7%	2,235	2,324	89	4.0%
67.9%	2,075	2,294	219	10.6%
69.1%	2,036	2,127	91	4.5%
70.4%	1,937	2,058	120	6.2%
71.6%	1,890	2,017	127	6.7%
72.8%	1,790	2,006	216	12.1%
74.1%	1,770	1,991	221	12.5%
75.3%	1,745	1,953	208	11.9%
76.5%	1,742	1,910	168	9.6%
77.8%	1,657	1,906	249	15.0%
79.0%	1,625	1,826	201	12.3%
80.2%	1,532	1,814	282	18.4%
81.5%	1,520	1,814	293	19.3%
82.7%	1,480	1,790	309	20.9%
84.0%	1,474	1,727	253	17.2%
85.2%	1,405	1,689	284	20.2%
86.4%	1,397	1,638	241	17.2%
87.7%	1,356	1,535	179	13.2%
88.9%	1,183	1,531	348	29.4%
90.1%	1,171	1,499	328	28.0%
91.4%	1,115	1,427	311	27.9%
92.6%	1,008	1,199	192	19.0%
93.8%	912	1,197	285	31.2%
95.1%	906	1,131	225	24.8%
96.3%	898	1,056	158	17.5%
97.5%	892	933	41	4.6%
98.8%	640	905	265	41.4%
100.0%	470	647	177	37.5%

December				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,678	7,678	0	0.0%
1.2%	7,678	7,678	0	0.0%
2.5%	7,678	7,678	0	0.0%
3.7%	7,678	7,678	0	0.0%
4.9%	7,678	7,678	0	0.0%
6.2%	7,678	7,678	0	0.0%
7.4%	7,328	7,328	0	0.0%
8.6%	7,210	7,208	-2	0.0%
9.9%	7,208	7,204	-4	0.0%
11.1%	7,204	7,148	-56	-0.8%
12.3%	7,148	7,142	-6	-0.1%
13.6%	7,142	7,125	-17	-0.2%
14.8%	7,125	7,112	-13	-0.2%
16.0%	7,112	7,089	-24	-0.3%
17.3%	7,106	7,086	-20	-0.3%
18.5%	7,089	7,077	-12	-0.2%
19.8%	7,086	7,072	-14	-0.2%
21.0%	7,077	7,065	-12	-0.2%
22.2%	7,072	7,063	-9	-0.1%
23.5%	7,065	7,054	-10	-0.1%
24.7%	7,063	7,053	-10	-0.1%
25.9%	7,054	7,042	-12	-0.2%
27.2%	7,053	7,022	-31	-0.4%
28.4%	7,042	7,016	-26	-0.4%
29.6%	7,016	7,005	-11	-0.2%
30.9%	7,004	7,004	0	0.0%
32.1%	6,999	6,999	0	0.0%
33.3%	5,743	6,107	364	6.3%
34.6%	5,212	5,889	677	13.0%
35.8%	4,936	5,750	813	16.5%
37.0%	4,849	5,120	272	5.6%
38.3%	4,834	5,041	206	4.3%
39.5%	4,717	4,834	117	2.5%
40.7%	4,547	4,824	277	6.1%
42.0%	4,501	4,560	59	1.3%
43.2%	4,381	4,553	171	3.9%
44.4%	4,365	4,540	175	4.0%
45.7%	4,348	4,431	83	1.9%
46.9%	4,281	4,381	101	2.4%
48.1%	4,185	4,363	177	4.2%
49.4%	4,120	4,348	229	5.5%
50.6%	4,108	4,281	173	4.2%
51.9%	4,056	4,255	199	4.9%
53.1%	4,029	4,140	111	2.8%
54.3%	4,023	4,108	85	2.1%
55.6%	3,985	4,087	103	2.6%
56.8%	3,971	4,074	102	2.6%
58.0%	3,970	4,029	58	1.5%
59.3%	3,931	3,975	44	1.1%
60.5%	3,859	3,971	112	2.9%
61.7%	3,857	3,970	113	2.9%
63.0%	3,846	3,962	117	3.0%
64.2%	3,827	3,921	94	2.4%
65.4%	3,804	3,846	42	1.1%
66.7%	3,795	3,821	26	0.7%
67.9%	3,747	3,811	64	1.7%
69.1%	3,732	3,804	72	1.9%
70.4%	3,729	3,747	18	0.5%
71.6%	3,727	3,732	5	0.1%
72.8%	3,706	3,730	23	0.6%
74.1%	3,688	3,729	41	1.1%
75.3%	3,639	3,697	59	1.6%
76.5%	3,637	3,688	51	1.4%
77.8%	3,624	3,639	15	0.4%
79.0%	3,505	3,514	10	0.3%
80.2%	3,440	3,492	51	1.5%
81.5%	3,395	3,364	-32	-0.9%
82.7%	3,324	3,276	-48	-1.4%
84.0%	3,262	3,156	-106	-3.2%
85.2%	3,108	3,100	-8	-0.3%
86.4%	3,077	3,090	13	0.4%
87.7%	2,997	3,022	25	0.9%
88.9%	2,984	3,009	25	0.8%
90.1%	2,832	2,876	44	1.5%
91.4%	2,814	2,814	0	0.0%
92.6%	2,799	2,693	-106	-3.8%
93.8%	2,795	2,677	-119	-4.2%
95.1%	2,638	2,359	-279	-10.6%
96.3%	2,322	2,357	35	1.5%
97.5%	2,077	2,173	95	4.6%
98.8%	1,708	2,097	389	22.8%
100.0%	300	516	216	71.9%

January				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	8,500	8,500	0	0.0%
4.9%	8,500	8,500	0	0.0%
6.2%	8,500	8,500	0	0.0%
7.4%	8,500	8,500	0	0.0%
8.6%	8,500	8,348	-152	-1.8%
9.9%	8,383	7,288	-1,095	-13.1%
11.1%	7,260	7,218	-41	-0.6%
12.3%	7,166	7,166	0	0.0%
13.6%	6,236	6,236	0	0.0%
14.8%	5,970	5,969	0	0.0%
16.0%	5,457	5,676	219	4.0%
17.3%	5,266	5,433	167	3.2%
18.5%	4,926	4,457	-470	-9.5%
19.8%	4,494	4,436	-59	-1.3%
21.0%	4,490	4,022	-468	-10.4%
22.2%	4,457	4,020	-437	-9.8%
23.5%	4,441	3,754	-687	-15.5%
24.7%	4,022	3,751	-271	-6.7%
25.9%	3,760	3,746	-13	-0.4%
27.2%	3,646	3,715	69	1.9%
28.4%	3,619	3,646	27	0.8%
29.6%	3,579	3,619	40	1.1%
30.9%	3,495	3,579	83	2.4%
32.1%	3,474	3,495	21	0.6%
33.3%	3,449	3,453	4	0.1%
34.6%	3,444	3,447	3	0.1%
35.8%	3,429	3,447	18	0.5%
37.0%	3,428	3,429	2	0.0%
38.3%	3,410	3,429	19	0.6%
39.5%	3,381	3,424	43	1.3%
40.7%	3,324	3,410	87	2.6%
42.0%	3,319	3,377	58	1.8%
43.2%	3,309	3,319	10	0.3%
44.4%	3,308	3,313	5	0.2%
45.7%	3,304	3,310	5	0.2%
46.9%	3,300	3,305	4	0.1%
48.1%	3,277	3,296	19	0.6%
49.4%	3,262	3,270	8	0.3%
50.6%	3,260	3,263	3	0.1%
51.9%	3,242	3,254	12	0.4%
53.1%	3,234	3,250	16	0.5%
54.3%	3,207	3,234	27	0.8%
55.6%	3,193	3,207	14	0.4%
56.8%	3,179	3,172	-8	-0.2%
58.0%	3,149	3,149	0	0.0%
59.3%	3,110	3,125	15	0.5%
60.5%	3,097	3,110	13	0.4%
61.7%	3,056	3,056	0	0.0%
63.0%	3,046	3,046	0	0.0%
64.2%	3,005	3,041	36	1.2%
65.4%	2,917	3,019	102	3.5%
66.7%	2,915	3,005	90	3.1%
67.9%	2,718	2,917	200	7.3%
69.1%	2,686	2,915	229	8.5%
70.4%	2,670	2,782	112	4.2%
71.6%	2,646	2,719	73	2.8%
72.8%	2,602	2,718	115	4.4%
74.1%	2,583	2,646	63	2.4%
75.3%	2,554	2,603	49	1.9%
76.5%	2,528	2,583	55	2.2%
77.8%	2,502	2,554	52	2.1%
79.0%	2,405	2,502	96	4.0%
80.2%	2,392	2,405	13	0.5%
81.5%	2,380	2,392	12	0.5%
82.7%	2,380	2,380	0	0.0%
84.0%	2,372	2,380	7	0.3%
85.2%	2,263	2,372	109	4.8%
86.4%	2,258	2,265	7	0.3%
87.7%	2,225	2,260	35	1.6%
88.9%	2,220	2,225	5	0.2%
90.1%	2,193	2,220	27	1.2%
91.4%	2,170	2,194	24	1.1%
92.6%	2,155	2,170	16	0.7%
93.8%	2,128	2,155	26	1.2%
95.1%	2,068	2,068	0	0.0%
96.3%	2,055	2,051	-3	-0.2%
97.5%	2,040	2,024	-16	-0.8%
98.8%	2,030	2,002	-27	-1.3%
100.0%	1,643	1,499	-144	-8.8%

Table SW-39-b

Banks Pumping Plant (SWP), Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	8,500	8,500	0	0.0%
4.9%	8,500	8,500	0	0.0%
6.2%	8,500	8,500	0	0.0%
7.4%	8,500	8,500	0	0.0%
8.6%	8,437	8,500	63	0.7%
9.9%	8,437	8,437	0	0.0%
11.1%	8,259	8,437	179	2.2%
12.3%	7,329	8,233	905	12.3%
13.6%	7,201	7,952	751	10.4%
14.8%	6,694	7,835	1,140	17.0%
16.0%	6,505	7,329	824	12.7%
17.3%	6,311	6,530	219	3.5%
18.5%	6,192	6,369	177	2.9%
19.8%	6,178	6,311	132	2.1%
21.0%	6,037	6,199	162	2.7%
22.2%	5,958	6,181	223	3.7%
23.5%	5,518	6,178	660	12.0%
24.7%	5,344	6,012	667	12.5%
25.9%	5,287	5,936	649	12.3%
27.2%	5,269	5,820	551	10.5%
28.4%	5,203	5,192	-11	-0.2%
29.6%	4,792	4,710	-81	-1.7%
30.9%	4,710	4,576	-135	-2.9%
32.1%	4,576	4,566	-10	-0.2%
33.3%	4,570	4,441	-129	-2.8%
34.6%	4,441	4,149	-292	-6.6%
35.8%	4,135	4,144	9	0.2%
37.0%	4,086	4,086	0	0.0%
38.3%	4,009	4,052	43	1.1%
39.5%	4,007	4,009	2	0.1%
40.7%	4,005	3,973	-32	-0.8%
42.0%	3,973	3,946	-28	-0.7%
43.2%	3,946	3,916	-30	-0.7%
44.4%	3,922	3,630	-292	-7.4%
45.7%	3,702	3,586	-115	-3.1%
46.9%	3,670	3,484	-186	-5.1%
48.1%	3,586	3,442	-145	-4.0%
49.4%	3,485	3,406	-79	-2.3%
50.6%	3,442	3,376	-66	-1.9%
51.9%	3,376	3,347	-28	-0.8%
53.1%	3,347	3,337	-10	-0.3%
54.3%	3,337	3,319	-19	-0.6%
55.6%	3,319	3,311	-8	-0.2%
56.8%	3,243	3,212	-31	-1.0%
58.0%	3,212	3,182	-30	-0.9%
59.3%	3,074	3,074	0	0.0%
60.5%	3,041	2,983	-58	-1.9%
61.7%	2,996	2,968	-27	-0.9%
63.0%	2,870	2,755	-115	-4.0%
64.2%	2,619	2,619	0	0.0%
65.4%	2,615	2,615	0	0.0%
66.7%	2,581	2,607	26	1.0%
67.9%	2,570	2,570	0	0.0%
69.1%	2,566	2,566	0	0.0%
70.4%	2,529	2,561	32	1.3%
71.6%	2,525	2,536	11	0.4%
72.8%	2,500	2,517	17	0.7%
74.1%	2,499	2,499	0	0.0%
75.3%	2,460	2,460	0	0.0%
76.5%	2,415	2,415	0	0.0%
77.8%	2,158	2,081	-77	-3.6%
79.0%	2,081	2,046	-35	-1.7%
80.2%	2,046	2,006	-40	-1.9%
81.5%	1,952	1,952	0	0.0%
82.7%	1,805	1,863	57	3.2%
84.0%	1,790	1,805	16	0.9%
85.2%	1,771	1,790	19	1.0%
86.4%	1,708	1,771	63	3.7%
87.7%	1,647	1,708	61	3.7%
88.9%	1,568	1,610	42	2.7%
90.1%	1,441	1,568	127	8.8%
91.4%	1,418	1,441	23	1.6%
92.6%	1,406	1,418	12	0.9%
93.8%	1,347	1,347	0	0.0%
95.1%	1,310	1,310	0	0.0%
96.3%	1,228	1,228	0	0.0%
97.5%	1,176	930	-246	-20.9%
98.8%	300	300	0	0.0%
100.0%	7	300	293	

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,561	7,561	0	0.0%
1.2%	7,561	7,561	0	0.0%
2.5%	7,561	7,561	0	0.0%
3.7%	7,561	7,561	0	0.0%
4.9%	7,561	7,561	0	0.0%
6.2%	7,561	7,561	0	0.0%
7.4%	7,561	7,561	0	0.0%
8.6%	7,561	7,561	0	0.0%
9.9%	7,485	7,561	75	1.0%
11.1%	7,418	7,561	143	1.9%
12.3%	7,318	7,485	167	2.3%
13.6%	7,043	7,318	275	3.9%
14.8%	7,003	7,122	119	1.7%
16.0%	6,766	7,067	301	4.4%
17.3%	6,448	6,448	0	0.0%
18.5%	6,309	6,308	0	0.0%
19.8%	6,296	6,295	-1	0.0%
21.0%	6,287	6,288	1	0.0%
22.2%	6,241	6,242	0	0.0%
23.5%	6,234	6,235	1	0.0%
24.7%	6,233	6,234	1	0.0%
25.9%	6,160	6,160	0	0.0%
27.2%	5,950	5,964	14	0.2%
28.4%	5,820	5,820	0	0.0%
29.6%	5,795	5,795	0	0.0%
30.9%	5,678	5,634	-43	-0.8%
32.1%	5,505	5,505	0	0.0%
33.3%	5,484	5,202	-281	-5.1%
34.6%	5,314	5,055	-259	-4.9%
35.8%	5,227	4,852	-375	-7.2%
37.0%	5,055	4,499	-555	-11.0%
38.3%	4,852	4,219	-633	-13.0%
39.5%	4,080	3,961	-119	-2.9%
40.7%	3,961	3,893	-69	-1.7%
42.0%	3,893	3,871	-22	-0.6%
43.2%	3,871	3,859	-12	-0.3%
44.4%	3,859	3,833	-26	-0.7%
45.7%	3,835	3,825	-10	-0.3%
46.9%	3,825	3,777	-47	-1.2%
48.1%	3,777	3,757	-21	-0.5%
49.4%	3,757	3,623	-134	-3.6%
50.6%	3,623	3,595	-28	-0.8%
51.9%	3,577	3,577	0	0.0%
53.1%	3,548	3,548	0	0.0%
54.3%	3,479	3,479	0	0.0%
55.6%	3,445	3,445	0	0.0%
56.8%	3,437	3,406	-31	-0.9%
58.0%	3,417	3,404	-13	-0.4%
59.3%	3,406	3,346	-61	-1.8%
60.5%	3,404	3,257	-147	-4.3%
61.7%	3,346	3,252	-94	-2.8%
63.0%	3,295	3,217	-79	-2.4%
64.2%	3,295	3,108	-187	-5.7%
65.4%	3,286	2,888	-398	-12.1%
66.7%	3,252	2,844	-408	-12.6%
67.9%	3,108	2,770	-339	-10.9%
69.1%	2,888	2,758	-130	-4.5%
70.4%	2,844	2,725	-119	-4.2%
71.6%	2,758	2,715	-43	-1.6%
72.8%	2,715	2,581	-134	-4.9%
74.1%	2,583	2,543	-41	-1.6%
75.3%	2,581	2,536	-45	-1.7%
76.5%	2,551	2,531	-20	-0.8%
77.8%	2,536	2,438	-98	-3.9%
79.0%	2,531	2,385	-146	-5.8%
80.2%	2,438	2,343	-95	-3.9%
81.5%	2,385	2,327	-58	-2.4%
82.7%	2,376	2,283	-94	-3.9%
84.0%	2,343	1,981	-362	-15.4%
85.2%	2,327	1,774	-554	-23.8%
86.4%	1,774	1,662	-112	-6.3%
87.7%	1,662	1,447	-215	-12.9%
88.9%	1,447	1,262	-185	-12.8%
90.1%	1,359	1,235	-124	-9.1%
91.4%	1,235	1,143	-92	-7.5%
92.6%	1,139	1,139	0	0.0%
93.8%	1,039	1,039	0	0.0%
95.1%	943	943	0	0.0%
96.3%	857	852	-4	-0.5%
97.5%	852	531	-321	-37.7%
98.8%	300	309	9	2.9%
100.0%	300	300	0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,125	6,125	0	0.0%
1.2%	6,125	6,125	0	0.0%
2.5%	3,367	3,364	-2	-0.1%
3.7%	2,622	2,599	-23	-0.9%
4.9%	2,489	2,485	-4	-0.2%
6.2%	2,249	2,250	1	0.0%
7.4%	2,137	2,129	-8	-0.4%
8.6%	2,057	2,049	-8	-0.4%
9.9%	1,973	1,952	-21	-1.1%
11.1%	1,952	1,902	-50	-2.6%
12.3%	1,862	1,855	-8	-0.4%
13.6%	1,768	1,800	33	1.9%
14.8%	1,761	1,768	7	0.4%
16.0%	1,744	1,737	-8	-0.4%
17.3%	1,639	1,639	0	0.0%
18.5%	1,637	1,632	-5	-0.3%
19.8%	1,624	1,624	0	0.0%
21.0%	1,485	1,485	0	0.0%
22.2%	1,477	1,477	0	0.0%
23.5%	1,456	1,429	-27	-1.9%
24.7%	1,437	1,411	-27	-1.9%
25.9%	1,411	1,395	-16	-1.1%
27.2%	1,395	1,394	-1	-0.1%
28.4%	1,394	1,391	-2	-0.2%
29.6%	1,391	1,389	-3	-0.2%
30.9%	1,340	1,340	0	0.0%
32.1%	1,335	1,335	0	0.0%
33.3%	1,329	1,329	0	0.0%
34.6%	1,323	1,320	-3	-0.3%
35.8%	1,254	1,254	0	0.0%
37.0%	1,252	1,248	-4	-0.3%
38.3%	1,237	1,235	-2	-0.2%
39.5%	1,235	1,230	-5	-0.4%
40.7%	1,230	1,218	-11	-0.9%
42.0%	1,218	1,201	-17	-1.4%
43.2%	1,195	1,195	0	0.0%
44.4%	1,175	1,175	0	0.0%
45.7%	1,130	1,130	0	0.0%
46.9%	1,114	1,114	0	0.0%
48.1%	1,104	1,086	-18	-1.7%
49.4%	1,086	1,070	-16	-1.4%
50.6%	1,070	1,046	-24	-2.3%
51.9%	1,046	1,038	-7	-0.7%
53.1%	1,038	1,030	-9	-0.8%
54.3%	1,030	1,029	-1	0.0%
55.6%	1,029	1,028	-1	-0.1%
56.8%	1,028	1,014	-14	-1.4%
58.0%	1,014	999	-15	-1.4%
59.3%	1,007	980	-27	-2.7%
60.5%	980	974	-6	-0.6%
61.7%	974	967	-7	-0.7%
63.0%	967	938	-29	-3.0%
64.2%	938	924	-14	-1.5%
65.4%	924	923	-1	-0.1%
66.7%	923	911	-12	-1.3%
67.9%	892	892	0	0.0%
69.1%	892	892	0	0.0%
70.4%	881	872	-9	-1.1%
71.6%	872	840	-32	-3.7%
72.8%	868	792	-76	-8.7%
74.1%	852	773	-79	-9.3%
75.3%	840	757	-84	-9.9%
76.5%	757	745	-12	-1.6%
77.8%	745	700	-45	-6.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	682	-18	-2.6%
86.4%	612	616	5	0.7%
87.7%	582	500	-82	-14.1%
88.9%	473	489	17	3.5%
90.1%	300	421	121	40.5%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,177	6,177	0	0.0%
1.2%	6,177	6,177	0	0.0%
2.5%	4,995	5,093	97	1.9%
3.7%	4,049	4,046	-3	-0.1%
4.9%	2,637	2,626	-11	-0.4%
6.2%	2,439	2,428	-11	-0.4%
7.4%	2,316	2,304	-11	-0.5%
8.6%	1,901	1,896	-5	-0.3%
9.9%	1,736	1,863	127	7.3%
11.1%	1,634	1,623	-11	-0.7%
12.3%	1,602	1,591	-11	-0.7%
13.6%	1,544	1,533	-11	-0.7%
14.8%	1,487	1,476	-11	-0.7%
16.0%	1,420	1,420	0	0.0%
17.3%	1,390	1,390	0	0.0%
18.5%	1,314	1,315	1	0.1%
19.8%	1,298	1,298	0	0.0%
21.0%	1,295	1,295	0	0.0%
22.2%	1,256	1,245	-12	-0.9%
23.5%	1,249	1,238	-11	-0.9%
24.7%	1,232	1,220	-12	-0.9%
25.9%	1,126	1,140	15	1.3%
27.2%	1,111	1,126	15	1.3%
28.4%	1,041	1,041	1	0.1%
29.6%	1,038	1,041	4	0.4%
30.9%	1,025	1,037	13	1.2%
32.1%	1,023	1,025	2	0.2%
33.3%	975	1,024	48	5.0%
34.6%	968	975	7	0.8%
35.8%	921	968	47	5.1%
37.0%	909	921	12	1.3%
38.3%	867	909	42	4.8%
39.5%	849	867	18	2.1%
40.7%	841	849	8	1.0%
42.0%	837	841	4	0.4%
43.2%	832	837	4	0.5%
44.4%	831	831	0	0.0%
45.7%	821	821	0	0.0%
46.9%	816	816	0	0.0%
48.1%	782	782	0	0.0%
49.4%	776	778	2	0.3%
50.6%	754	755	1	0.1%
51.9%	716	754	38	5.2%
53.1%	700	725	25	3.6%
54.3%	700	711	11	1.6%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	340	700	360	106.1%
95.1%	300	700	400	133.3%
96.3%	300	700	400	133.3%
97.5%	300	578	278	92.7%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

Table SW-39-b

Banks Pumping Plant (SWP), Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,111	6,179	68	1.1%
2.5%	5,959	6,064	105	1.8%
3.7%	5,455	5,714	260	4.8%
4.9%	5,121	5,119	-3	-0.1%
6.2%	4,262	4,161	-101	-2.4%
7.4%	4,183	3,917	-265	-6.3%
8.6%	3,907	3,907	0	0.0%
9.9%	3,452	3,741	289	8.4%
11.1%	3,202	3,729	527	16.4%
12.3%	3,170	3,318	148	4.7%
13.6%	3,118	3,297	179	5.7%
14.8%	3,055	3,158	103	3.4%
16.0%	2,951	3,117	166	5.6%
17.3%	2,930	3,018	87	3.0%
18.5%	2,912	2,981	69	2.4%
19.8%	2,911	2,917	6	0.2%
21.0%	2,853	2,911	58	2.0%
22.2%	2,776	2,828	52	1.9%
23.5%	2,730	2,823	93	3.4%
24.7%	2,727	2,823	96	3.5%
25.9%	2,665	2,786	120	4.5%
27.2%	2,618	2,727	109	4.2%
28.4%	2,545	2,722	177	7.0%
29.6%	2,543	2,721	177	7.0%
30.9%	2,514	2,691	177	7.0%
32.1%	2,509	2,622	113	4.5%
33.3%	2,439	2,614	175	7.2%
34.6%	2,424	2,605	181	7.5%
35.8%	2,423	2,596	174	7.2%
37.0%	2,352	2,547	195	8.3%
38.3%	2,312	2,509	197	8.5%
39.5%	2,039	2,340	301	14.8%
40.7%	2,005	2,310	305	15.2%
42.0%	1,956	2,262	306	15.6%
43.2%	1,909	2,188	278	14.6%
44.4%	1,878	2,181	303	16.1%
45.7%	1,876	2,049	173	9.2%
46.9%	1,873	2,039	166	8.8%
48.1%	1,855	1,909	54	2.9%
49.4%	1,850	1,873	23	1.2%
50.6%	1,833	1,855	22	1.2%
51.9%	1,816	1,850	35	1.9%
53.1%	1,770	1,833	63	3.5%
54.3%	1,733	1,825	92	5.3%
55.6%	1,725	1,800	75	4.4%
56.8%	1,722	1,789	67	3.9%
58.0%	1,705	1,737	32	1.9%
59.3%	1,693	1,727	34	2.0%
60.5%	1,678	1,725	47	2.8%
61.7%	1,668	1,722	54	3.2%
63.0%	1,663	1,693	30	1.8%
64.2%	1,661	1,688	27	1.6%
65.4%	1,653	1,678	25	1.5%
66.7%	1,650	1,668	18	1.1%
67.9%	1,618	1,661	43	2.6%
69.1%	1,590	1,653	63	4.0%
70.4%	1,540	1,650	111	7.2%
71.6%	1,520	1,635	115	7.5%
72.8%	1,493	1,618	125	8.4%
74.1%	1,396	1,610	215	15.4%
75.3%	1,312	1,606	294	22.4%
76.5%	1,222	1,540	318	26.0%
77.8%	1,222	1,533	311	25.4%
79.0%	1,206	1,520	314	26.1%
80.2%	1,122	1,455	333	29.7%
81.5%	827	1,365	538	65.0%
82.7%	300	503	203	67.8%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	289	-11	-3.5%
95.1%	262	262	0	-0.2%
96.3%	226	236	10	4.3%
97.5%	201	226	25	12.6%
98.8%	90	86	-4	
100.0%	47	68	20	

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,680	0	0.0%
16.0%	6,680	6,680	0	0.0%
17.3%	6,680	6,680	0	0.0%
18.5%	6,680	6,680	0	0.0%
19.8%	6,680	6,680	0	0.0%
21.0%	6,680	6,680	0	0.0%
22.2%	6,680	6,680	0	0.0%
23.5%	6,680	6,680	0	0.0%
24.7%	6,680	6,680	0	0.0%
25.9%	6,680	6,680	0	0.0%
27.2%	6,680	6,680	0	0.0%
28.4%	6,680	6,680	0	0.0%
29.6%	6,680	6,680	0	0.0%
30.9%	6,680	6,680	0	0.0%
32.1%	6,680	6,680	0	0.0%
33.3%	6,680	6,680	0	0.0%
34.6%	6,680	6,680	0	0.0%
35.8%	6,680	6,680	0	0.0%
37.0%	6,680	6,680	0	0.0%
38.3%	6,680	6,680	0	0.0%
39.5%	6,680	6,680	0	0.0%
40.7%	6,680	6,680	0	0.0%
42.0%	6,680	6,680	0	0.0%
43.2%	6,680	6,680	0	0.0%
44.4%	6,680	6,680	0	0.0%
45.7%	6,680	6,680	0	0.0%
46.9%	6,680	6,680	0	0.0%
48.1%	6,680	6,666	-14	-0.2%
49.4%	6,663	6,663	0	0.0%
50.6%	6,663	6,663	0	0.0%
51.9%	6,663	6,663	0	0.0%
53.1%	6,662	6,662	0	0.0%
54.3%	6,662	6,662	0	0.0%
55.6%	6,633	6,662	29	0.4%
56.8%	6,630	6,662	32	0.5%
58.0%	6,571	6,661	90	1.4%
59.3%	6,494	6,657	163	2.5%
60.5%	6,478	6,627	148	2.3%
61.7%	6,464	6,625	161	2.5%
63.0%	6,296	6,611	316	5.0%
64.2%	6,225	6,535	310	5.0%
65.4%	6,205	6,487	282	4.5%
66.7%	6,124	6,135	11	0.2%
67.9%	6,113	6,114	2	0.0%
69.1%	5,559	6,102	543	9.8%
70.4%	5,493	6,060	568	10.3%
71.6%	5,480	5,971	491	9.0%
72.8%	5,382	5,949	567	10.5%
74.1%	5,272	5,930	657	12.5%
75.3%	5,093	5,815	723	14.2%
76.5%	4,776	5,766	990	20.7%
77.8%	4,671	5,581	911	19.5%
79.0%	4,165	5,287	1,122	26.9%
80.2%	4,125	5,271	1,145	27.8%
81.5%	3,882	4,973	1,091	28.1%
82.7%	3,844	4,926	1,082	28.1%
84.0%	3,177	4,896	1,720	54.1%
85.2%	3,040	4,849	1,809	59.5%
86.4%	2,246	4,417	2,170	96.6%
87.7%	1,550	4,399	2,849	183.8%
88.9%	1,276	4,018	2,742	214.9%
90.1%	1,254	3,819	2,565	204.5%
91.4%	652	2,800	2,148	329.3%
92.6%	477	1,610	1,133	237.6%
93.8%	300	1,289	989	329.6%
95.1%	300	788	488	162.6%
96.3%	300	569	269	89.8%
97.5%	300	404	104	34.7%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,680	0	0.0%
16.0%	6,680	6,680	0	0.0%
17.3%	6,680	6,680	0	0.0%
18.5%	6,680	6,680	0	0.0%
19.8%	6,680	6,680	0	0.0%
21.0%	6,680	6,680	0	0.0%
22.2%	6,680	6,680	0	0.0%
23.5%	6,680	6,680	0	0.0%
24.7%	6,680	6,680	0	0.0%
25.9%	6,680	6,680	0	0.0%
27.2%	6,680	6,680	0	0.0%
28.4%	6,680	6,680	0	0.0%
29.6%	6,680	6,680	0	0.0%
30.9%	6,680	6,680	0	0.0%
32.1%	6,680	6,680	0	0.0%
33.3%	6,680	6,680	0	0.0%
34.6%	6,680	6,680	0	0.0%
35.8%	6,680	6,680	0	0.0%
37.0%	6,680	6,680	0	0.0%
38.3%	6,680	6,680	0	0.0%
39.5%	6,680	6,680	0	0.0%
40.7%	6,680	6,680	0	0.0%
42.0%	6,680	6,680	0	0.0%
43.2%	6,680	6,680	0	0.0%
44.4%	6,680	6,680	0	0.0%
45.7%	6,680	6,680	0	0.0%
46.9%	6,680	6,680	0	0.0%
48.1%	6,680	6,680	0	0.0%
49.4%	6,680	6,680	0	0.0%
50.6%	6,680	6,680	0	0.0%
51.9%	6,680	6,680	0	0.0%
53.1%	6,680	6,680	0	0.0%
54.3%	6,680	6,680	0	0.0%
55.6%	6,680	6,680	0	0.0%
56.8%	6,680	6,660	-20	-0.3%
58.0%	6,662	6,419	-243	-3.7%
59.3%	6,660	6,257	-403	-6.1%
60.5%	6,330	6,147	-183	-2.9%
61.7%	6,139	6,139	0	0.0%
63.0%	6,010	5,802	-208	-3.5%
64.2%	5,455	5,342	-113	-2.1%
65.4%	5,408	5,103	-306	-5.7%
66.7%	4,014	4,695	681	17.0%
67.9%	3,733	4,448	716	19.2%
69.1%	3,511	4,283	772	22.0%
70.4%	3,484	3,770	286	8.2%
71.6%	3,143	3,520	377	12.0%
72.8%	2,592	3,262	670	25.8%
74.1%	2,030	2,837	806	39.7%
75.3%	1,867	2,763	896	48.0%
76.5%	1,610	2,709	1,099	68.3%
77.8%	1,209	2,587	1,378	114.0%
79.0%	1,118	2,303	1,185	106.0%
80.2%	1,036	2,091	1,054	101.8%
81.5%	975	2,041	1,066	109.4%
82.7%	942	1,781	839	89.1%
84.0%	934	1,674	739	79.1%
85.2%	760	1,402	642	84.5%
86.4%	571	1,244	673	117.7%
87.7%	513	1,209	696	135.6%
88.9%	333	1,197	864	259.8%
90.1%	316	1,134	818	258.4%
91.4%	300	1,055	755	251.8%
92.6%	300	986	686	228.7%
93.8%	300	960	660	219.9%
95.1%	300	773	473	157.8%
96.3%	300	386	86	28.5%
97.5%	300	334	34	11.2%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,680	0	0.0%
16.0%	6,680	6,680	0	0.0%
17.3%	6,680	6,680	0	0.0%
18.5%	6,680	6,680	0	0.0%
19.8%	6,680	6,680	0	0.0%
21.0%	6,680	6,680	0	0.0%
22.2%	6,656	6,680	24	0.4%
23.5%	6,542	6,680	138	2.1%
24.7%	6,524	6,680	156	2.4%
25.9%	6,475	6,680	205	3.2%
27.2%	6,427	6,680	253	3.9%
28.4%	6,286	6,680	394	6.3%
29.6%	5,789	6,680	891	15.4%
30.9%	5,737	6,680	943	16.4%
32.1%	5,722	6,613	890	15.6%
33.3%	5,718	6,558	840	14.7%
34.6%	5,715	6,488	773	13.5%
35.8%	5,650	6,375	725	12.8%
37.0%	5,549	6,311	762	13.7%
38.3%	5,501	6,278	778	14.1%
39.5%	5,483	6,088	605	11.0%
40.7%	5,234	5,792	558	10.7%
42.0%	5,098	5,553	455	8.9%
43.2%	4,936	5,405	469	9.5%
44.4%	4,593	5,250	657	14.3%
45.7%	4,380	5,056	675	15.4%
46.9%	4,326	5,041	715	16.5%
48.1%	4,229	4,977	749	17.7%
49.4%	4,113	4,958	845	20.6%
50.6%	4,102	4,950	847	20.7%
51.9%	3,772	4,886	1,114	29.5%
53.1%	3,721	4,697	976	26.2%
54.3%	3,655	4,563	909	24.9%
55.6%	3,380	4,544	1,164	34.4%
56.8%	3,333	4,538	1,205	36.1%
58.0%	3,306	4,498	1,192	36.0%
59.3%	3,279	4,477	1,198	36.6%
60.5%	3,230	4,382	1,152	35.7%
61.7%	3,088	4,370	1,282	41.5%
63.0%	3,081	4,290	1,209	39.3%
64.2%	2,982	4,203	1,221	41.0%
65.4%	2,839	4,150	1,311	46.2%
66.7%	2,820	4,103	1,282	45.5%
67.9%	2,817	4,069	1,252	44.5%
69.1%	2,733	3,849	1,116	40.8%
70.4%	2,601	3,597	996	38.3%
71.6%	2,557	3,530	972	38.0%
72.8%	2,520	3,414	895	35.5%
74.1%	2,486	3,406	921	37.0%
75.3%	2,341	3,272	931	39.7%
76.5%	2,323	3,227	903	38.9%
77.8%	2,286	3,199	913	39.9%
79.0%	2,256	3,167	911	40.4%
80.2%	2,203	3,091	888	40.3%
81.5%	2,125	2,633	508	23.9%
82.7%	2,116	2,568	451	21.3%
84.0%	1,809	2,443	634	35.1%
85.2%	1,807	2,396	589	32.6%
86.4%	1,694	2,390	696	41.1%
87.7%	1,453	2,280	827	56.9%
88.9%	1,434	2,264	830	57.9%
90.1%	1,057	2,125	1,068	101.0%
91.4%	980	2,106	1,126	114.8%
92.6%	977	1,940	963	98.5%
93.8%	898	1,267	370	41.2%
95.1%	885	1,143	259	29.2%
96.3%	824	979	155	18.8%
97.5%	785	834	49	6.3%
98.8%	568	768	199	35.0%
100.0%	418	626	208	49.8%

Figure SW-40-b
Banks Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

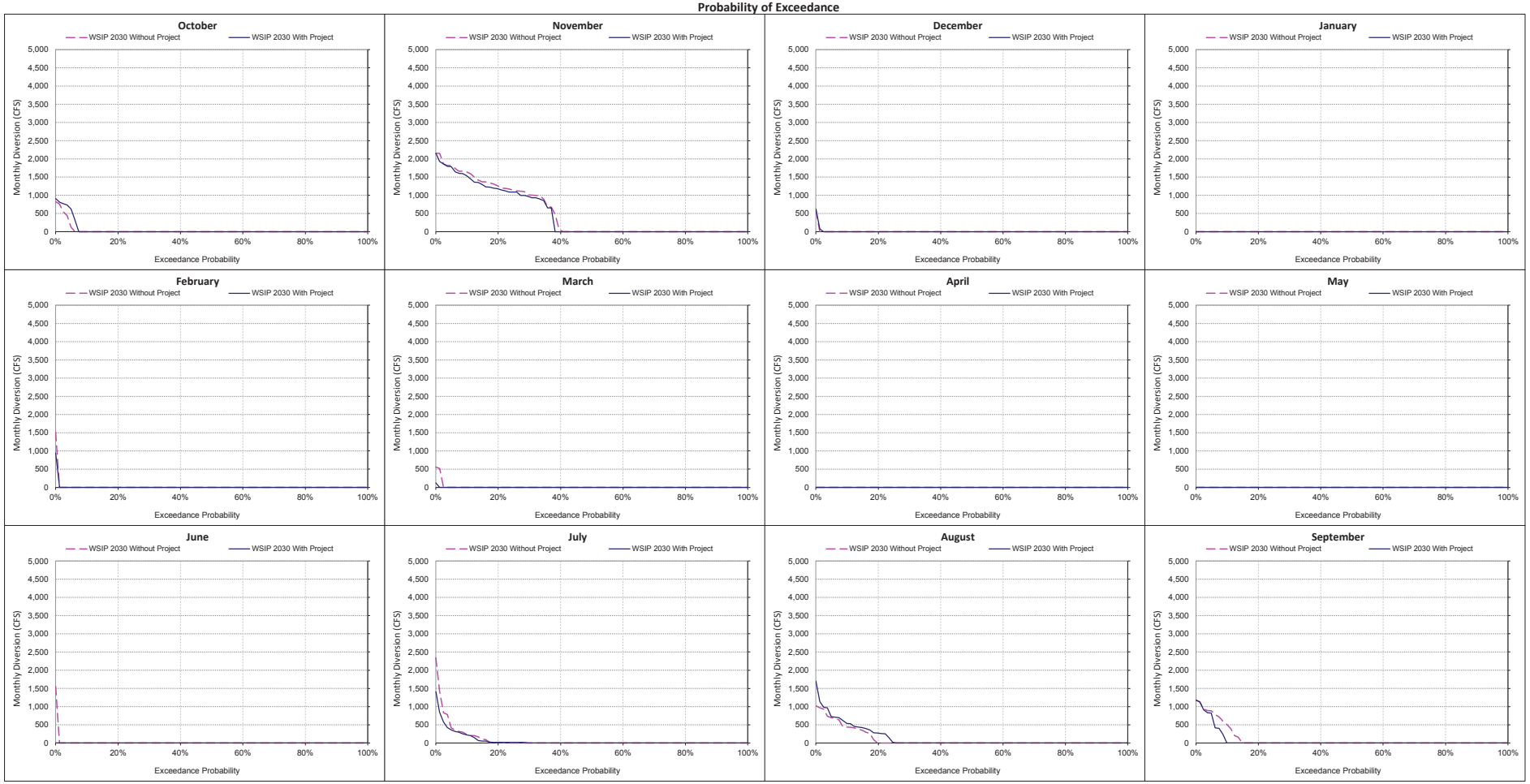


Table SW-40-b

Banks Pumping Plant (CVP), Monthly Diversion

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	824	907	83	10.0%
1.2%	760	812	52	6.9%
2.5%	542	764	222	41.0%
3.7%	439	730	291	66.3%
4.9%	126	626	501	397.7%
6.2%	0	326	326	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,151	2,151	0	0.0%
1.2%	2,151	1,929	-222	-10.3%
2.5%	1,860	1,862	2	0.1%
3.7%	1,817	1,794	-23	-1.3%
4.9%	1,817	1,787	-30	-1.7%
6.2%	1,737	1,644	-94	-5.4%
7.4%	1,661	1,599	-61	-3.7%
8.6%	1,659	1,596	-63	-3.8%
9.9%	1,640	1,538	-102	-6.2%
11.1%	1,593	1,451	-142	-8.9%
12.3%	1,501	1,360	-141	-9.4%
13.6%	1,417	1,352	-66	-4.6%
14.8%	1,370	1,292	-77	-5.6%
16.0%	1,368	1,230	-138	-10.1%
17.3%	1,338	1,221	-117	-8.7%
18.5%	1,309	1,193	-116	-8.8%
19.8%	1,265	1,177	-87	-6.9%
21.0%	1,193	1,146	-47	-4.0%
22.2%	1,190	1,121	-69	-5.8%
23.5%	1,171	1,091	-80	-6.8%
24.7%	1,145	1,091	-54	-4.7%
25.9%	1,121	1,085	-36	-3.2%
27.2%	1,111	996	-115	-10.4%
28.4%	1,098	993	-105	-9.6%
29.6%	1,010	970	-41	-4.0%
30.9%	1,005	933	-72	-7.2%
32.1%	995	928	-67	-6.8%
33.3%	990	893	-97	-9.8%
34.6%	892	853	-40	-4.4%
35.8%	688	654	-34	-5.0%
37.0%	672	651	-21	-3.1%
38.3%	463	0	-463	-100.0%
39.5%	61	0	-61	-100.0%
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	589	623	34	5.8%
1.2%	0	73	73	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-40-b

Banks Pumping Plant (CVP), Monthly Diversion

Probability of Exceedance

February				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,516	943	-573	-37.8%
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	558	120	-438	-78.4%
1.2%	518	0	-518	-100.0%
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-40-b

Banks Pumping Plant (CVP), Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,559	0	-1,559	-100.0%
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,340	1,409	-931	-39.8%
1.2%	1,408	847	-560	-39.8%
2.5%	831	578	-253	-30.5%
3.7%	782	422	-360	-46.0%
4.9%	417	360	-56	-13.5%
6.2%	354	318	-36	-10.1%
7.4%	317	298	-19	-6.0%
8.6%	297	251	-46	-15.5%
9.9%	236	224	-12	-5.2%
11.1%	205	202	-4	-1.8%
12.3%	202	145	-57	-28.2%
13.6%	169	69	-100	-59.3%
14.8%	109	55	-54	-49.4%
16.0%	90	53	-37	-40.9%
17.3%	18	23	5	30.4%
18.5%	18	19	1	8.4%
19.8%	17	18	1	7.0%
21.0%	17	18	1	6.7%
22.2%	0	18	18	
23.5%	0	18	18	
24.7%	0	17	17	
25.9%	0	17	17	
27.2%	0	17	17	
28.4%	0	14	14	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,022	1,704	682	66.7%
1.2%	966	1,141	175	18.1%
2.5%	931	978	47	5.0%
3.7%	734	963	229	31.1%
4.9%	695	724	28	4.1%
6.2%	670	709	39	5.8%
7.4%	636	694	58	9.1%
8.6%	444	618	174	39.1%
9.9%	438	541	103	23.4%
11.1%	433	533	100	23.1%
12.3%	415	454	39	9.4%
13.6%	377	437	60	15.9%
14.8%	350	423	72	20.7%
16.0%	295	394	99	33.6%
17.3%	267	361	94	35.4%
18.5%	90	281	191	211.3%
19.8%	0	272	272	
21.0%	0	261	261	
22.2%	0	252	252	
23.5%	0	138	138	
24.7%	0	20	20	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,184	1,176	-9	-0.7%
1.2%	1,129	1,132	2	0.2%
2.5%	931	907	-24	-2.6%
3.7%	891	833	-57	-6.4%
4.9%	881	821	-61	-6.9%
6.2%	780	417	-363	-46.6%
7.4%	717	402	-315	-44.0%
8.6%	599	240	-359	-59.9%
9.9%	514	0	-514	-100.0%
11.1%	398	0	-398	-100.0%
12.3%	205	0	-205	-100.0%
13.6%	156	0	-156	-100.0%
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure SW-41-b
San Luis Reservoir (SWP and CVP), End of Month Storage
Probability of Exceedance

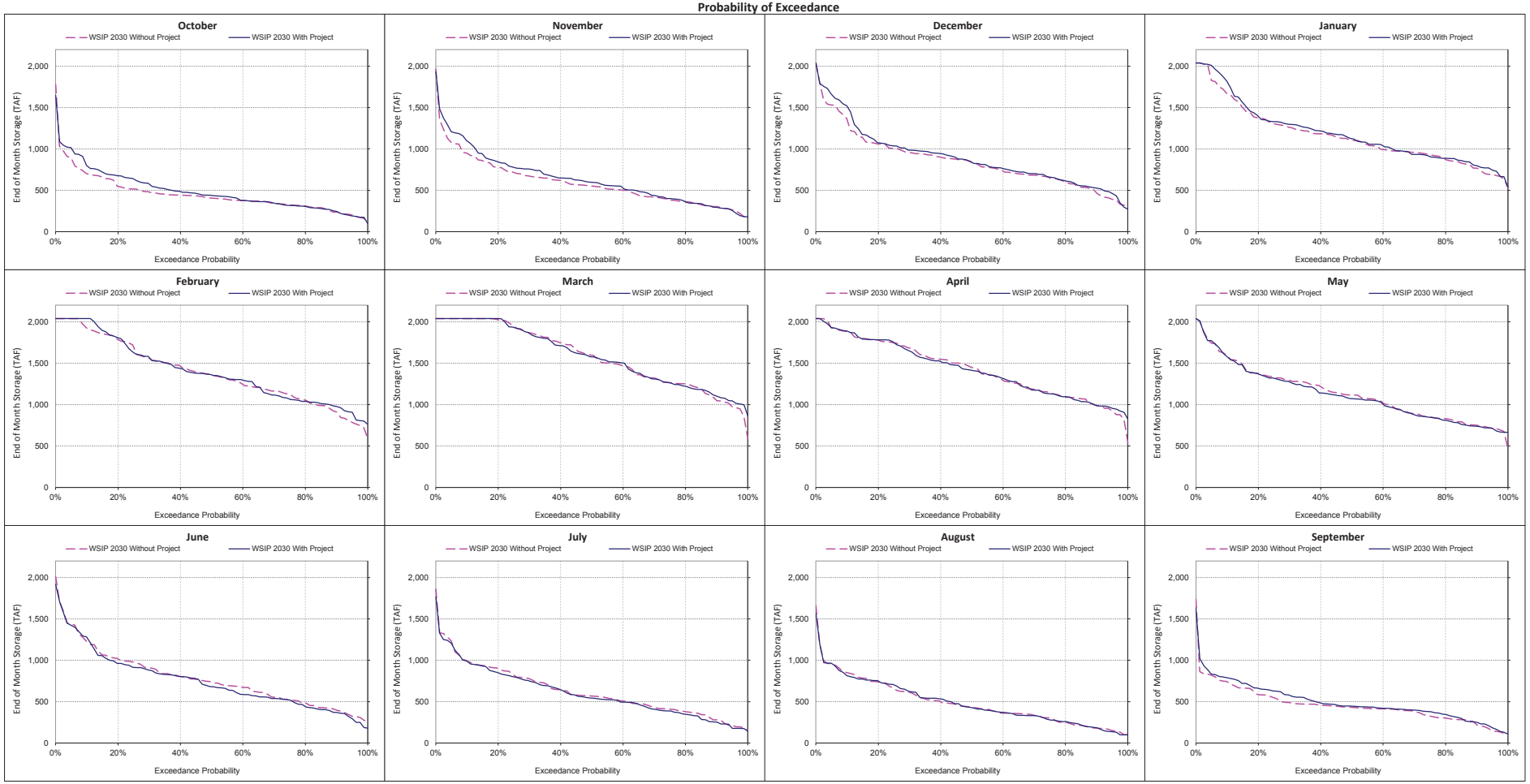


Table SW-41-b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,780	1,651	-129	-7.3%
1.2%	1,032	1,088	55	5.4%
2.5%	975	1,044	69	7.1%
3.7%	908	1,021	112	12.4%
4.9%	895	1,016	121	13.5%
6.2%	794	940	146	18.3%
7.4%	765	935	170	22.2%
8.6%	738	910	171	23.2%
9.9%	700	799	99	14.1%
11.1%	688	764	76	11.0%
12.3%	682	761	79	11.6%
13.6%	676	749	73	10.8%
14.8%	661	724	63	9.6%
16.0%	641	699	58	9.0%
17.3%	639	690	51	7.9%
18.5%	622	686	65	10.4%
19.8%	549	678	129	23.5%
21.0%	539	674	135	25.0%
22.2%	526	653	128	24.3%
23.5%	517	649	131	25.4%
24.7%	515	642	127	24.7%
25.9%	514	618	103	20.1%
27.2%	496	599	104	20.9%
28.4%	486	590	104	21.5%
29.6%	482	584	102	21.2%
30.9%	470	548	78	16.5%
32.1%	467	539	72	15.4%
33.3%	457	527	70	15.3%
34.6%	454	524	70	15.3%
35.8%	446	512	65	14.6%
37.0%	445	502	57	12.8%
38.3%	443	491	48	10.8%
39.5%	442	488	46	10.4%
40.7%	440	475	35	7.9%
42.0%	438	474	36	8.2%
43.2%	437	468	31	7.1%
44.4%	433	466	33	7.6%
45.7%	431	458	27	6.3%
46.9%	424	443	19	4.5%
48.1%	415	441	26	6.2%
49.4%	408	441	33	8.1%
50.6%	403	435	32	8.0%
51.9%	402	430	28	7.1%
53.1%	395	428	33	8.3%
54.3%	394	425	31	7.8%
55.6%	385	421	36	9.2%
56.8%	381	412	32	8.3%
58.0%	379	408	28	7.5%
59.3%	376	378	2	0.6%
60.5%	375	377	2	0.6%
61.7%	374	371	-2	-0.6%
63.0%	371	366	-5	-1.3%
64.2%	369	365	-4	-1.0%
65.4%	368	364	-4	-1.2%
66.7%	366	364	-2	-0.6%
67.9%	356	363	7	1.9%
69.1%	346	352	6	1.7%
70.4%	340	340	-1	-0.2%
71.6%	335	336	1	0.2%
72.8%	334	326	-8	-2.5%
74.1%	326	317	-8	-2.6%
75.3%	324	317	-7	-2.3%
76.5%	319	314	-5	-1.5%
77.8%	319	310	-9	-2.8%
79.0%	318	310	-8	-2.6%
80.2%	310	303	-7	-2.2%
81.5%	298	290	-8	-2.7%
82.7%	292	286	-6	-2.0%
84.0%	290	283	-7	-2.5%
85.2%	290	279	-11	-3.8%
86.4%	276	270	-6	-2.0%
87.7%	254	267	13	5.2%
88.9%	237	253	16	6.7%
90.1%	236	243	6	2.7%
91.4%	226	217	-9	-3.9%
92.6%	214	208	-6	-2.6%
93.8%	212	201	-11	-5.2%
95.1%	200	189	-11	-5.7%
96.3%	181	183	2	1.0%
97.5%	171	174	3	1.8%
98.8%	162	173	11	6.9%
100.0%	100	100	0	0.0%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,966	1,932	-35	-1.8%
1.2%	1,351	1,486	136	10.0%
2.5%	1,237	1,372	135	11.0%
3.7%	1,130	1,294	165	14.6%
4.9%	1,077	1,208	131	12.2%
6.2%	1,063	1,193	131	12.3%
7.4%	1,059	1,186	127	12.0%
8.6%	956	1,159	204	21.3%
9.9%	951	1,099	148	15.6%
11.1%	922	1,067	145	15.7%
12.3%	916	1,020	104	11.3%
13.6%	868	949	82	9.4%
14.8%	860	942	82	9.5%
16.0%	839	890	51	6.1%
17.3%	831	874	42	5.1%
18.5%	786	861	75	9.5%
19.8%	775	845	70	9.1%
21.0%	774	832	57	7.4%
22.2%	744	828	84	11.3%
23.5%	720	792	71	9.9%
24.7%	720	780	61	8.4%
25.9%	704	768	63	9.0%
27.2%	698	764	66	9.5%
28.4%	679	759	80	11.7%
29.6%	675	759	84	12.5%
30.9%	665	751	86	13.0%
32.1%	658	741	83	12.7%
33.3%	656	739	83	12.7%
34.6%	649	695	46	7.1%
35.8%	647	686	39	6.0%
37.0%	629	674	45	7.2%
38.3%	626	662	36	5.8%
39.5%	621	648	27	4.4%
40.7%	617	647	30	4.8%
42.0%	593	646	53	9.0%
43.2%	573	644	71	12.4%
44.4%	571	628	57	9.9%
45.7%	566	623	58	10.2%
46.9%	565	617	52	9.2%
48.1%	559	605	46	8.2%
49.4%	553	597	44	8.0%
50.6%	549	596	47	8.6%
51.9%	543	593	50	9.3%
53.1%	540	574	34	6.2%
54.3%	520	559	39	7.6%
55.6%	514	556	41	8.1%
56.8%	512	553	42	8.1%
58.0%	511	551	40	7.8%
59.3%	503	551	47	9.4%
60.5%	500	512	12	2.4%
61.7%	499	502	4	0.7%
63.0%	472	502	30	6.4%
64.2%	455	497	42	9.2%
65.4%	434	481	47	10.9%
66.7%	428	478	50	11.7%
67.9%	422	466	44	10.5%
69.1%	422	440	19	4.5%
70.4%	413	434	22	5.2%
71.6%	410	423	12	3.0%
72.8%	401	418	16	4.1%
74.1%	396	400	4	0.9%
75.3%	382	399	17	4.5%
76.5%	377	395	18	4.8%
77.8%	371	391	20	5.4%
79.0%	369	379	10	2.7%
80.2%	362	355	-7	-1.8%
81.5%	358	345	-13	-3.6%
82.7%	345	344	-1	-0.4%
84.0%	338	341	3	1.0%
85.2%	323	337	14	4.4%
86.4%	314	315	1	0.4%
87.7%	312	312	1	0.2%
88.9%	304	298	-6	-2.1%
90.1%	304	294	-10	-3.3%
91.4%	290	283	-7	-2.5%
92.6%	280	282	1	0.5%
93.8%	276	276	0	-0.1%
95.1%	263	254	-9	-3.3%
96.3%	249	221	-28	-11.2%
97.5%	220	192	-29	-13.0%
98.8%	177	183	6	3.4%
100.0%	168	178	11	6.3%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	1,797	1,791	-6	-0.3%
2.5%	1,593	1,756	164	10.3%
3.7%	1,542	1,733	191	12.4%
4.9%	1,531	1,663	133	8.7%
6.2%	1,528	1,614	85	5.6%
7.4%	1,455	1,594	138	9.5%
8.6%	1,418	1,547	129	9.1%
9.9%	1,369	1,520	151	11.0%
11.1%	1,218	1,450	232	19.0%
12.3%	1,211	1,296	85	7.0%
13.6%	1,145	1,245	99	8.7%
14.8%	1,143	1,176	32	2.8%
16.0%	1,083	1,168	85	7.8%
17.3%	1,077	1,143	65	6.1%
18.5%	1,072	1,120	47	4.4%
19.8%	1,061	1,076	15	1.4%
21.0%	1,060	1,067	7	0.7%
22.2%	1,054	1,062	8	0.7%
23.5%	1,010	1,044	34	3.4%
24.7%	1,007	1,037	30	3.0%
25.9%	1,006	1,035	28	2.8%
27.2%	988	1,014	26	2.7%
28.4%	966	1,014	47	4.9%
29.6%	957	986	29	3.0%
30.9%	952	984	32	3.4%
32.1%	942	982	39	4.2%
33.3%	942	974	31	3.3%
34.6%	939	971	32	3.4%
35.8%	928	968	40	4.3%
37.0%	926	951	26	2.8%
38.3%	910	949	39	4.3%
39.5%	905	945	40	4.5%
40.7%	893	941	48	5.4%
42.0%	885	925	40	4.5%
43.2%	883	914	31	3.5%
44.4%	878	903	25	2.8%
45.7%	871	877	6	0.7%
46.9%	870	877	7	0.8%
48.1%	867	869	2	0.3%
49.4%	846	853	7	0.8%
50.6%	828	824	-4	-0.5%
51.9%	814	824	10	1.2%
53.1%	783	813	30	3.8%
54.3%	781	812	31	4.0%
55.6%	775	785	10	1.3%
56.8%	770	778	8	1.1%
58.0%	759	773	14	1.9%
59.3%	753	770	17	2.2%
60.5%	719	758	39	5.4%
61.7%	719	748	30	4.2%
63.0%	710	737	28	3.9%
64.2%	704	726	22	3.1%
65.4%	697	720	23	3.3%
66.7%	694	719	25	3.6%
67.9%	684	704	19	2.8%
69.1%	684	703	19	2.8%
70.4%	683	701	17	2.5%
71.6%	679	694	14	2.1%
72.8%	668	691	23	3.4%
74.1%	666	663	-3	-0.5%
75.3%	642	657	15	2.3%
76.5%	642	652	11	1.7%
77.8%	634	631	-3	-0.5%
79.0%	616	622	6	1.0%
80.2%	594	610	15	2.6%
81.5%	579	605	26	4.4%
82.7%	577	588	11	2.0%
84.0%	545	560	15	2.8%
85.2%	537	554	18	3.3%
86.4%	535	551	16	3.0%
87.7%	525	542	17	3.2%
88.9%	514	532	18	3.5%
90.1%	462	527	65	14.0%
91.4%	435	516	81	18.7%
92.6%	418	490	73	17.4%
93.8%	408	485	77	18.9%
95.1%	391	461	70	18.0%
96.3%	384	431	48	12.4%
97.5%	330	346	16	4.7%
98.8%	320	298	-21	-6.7%
100.0%	317	270	-47	-14.8%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,026	2,027	1	0.0%
3.7%	2,026	2,023	-2	-0.1%
4.9%	1,826	2,010	184	10.1%
6.2%	1,813	1,962	149	8.2%
7.4%	1,753	1,924	172	9.8%
8.6%	1,723	1,874	151	8.8%
9.9%	1,669	1,819	150	9.0%
11.1%	1,652	1,735	83	5.0%
12.3%	1,598	1,636	38	2.4%
13.6%	1,570	1,629	59	3.8%
14.8%	1,507	1,567	61	4.0%
16.0%	1,453	1,511	58	4.0%
17.3%	1,445	1,459	15	1.0%
18.5%	1,387	1,435	48	3.5%
19.8%	1,375	1,406	31	2.2%
21.0%	1,375	1,356	-19	-1.4%
22.2%	1,357	1,350	-7	-0.5%
23.5%	1,326	1,335	10	0.7%
24.7%	1,305	1,330	24	1.8%
25.9%	1,297	1,329	32	2.5%
27.2%	1,289	1,324	35	2.7%
28.4%	1,283	1,309	26	2.0%
29.6%	1,264	1,298	34	2.7%
30.9%	1,254	1,295	41	3.3%
32.1%	1,235	1,293	58	4.7%
33.3%	1,229	1,276	46	3.8%
34.6%	1,218	1,264	46	3.8%
35.8%	1,215	1,257	41	3.4%
37.0%	1,188	1,241	53	4.4%
38.3%	1,185	1,221	36	3.0%
39.5%	1,183	1,220	38	3.2%
40.7%	1,183	1,214	31	2.6%
42.0%	1,176	1,190	14	1.2%
43.2%	1,172	1,190	18	1.5%
44.4%	1,154	1,179	26	2.2%
45.7%	1,136	1,173	37	3.3%
46.9%	1,128	1,171	43	3.8%
48.1%	1,128	1,152	24	2.1%
49.4%	1,106	1,127	21	1.9%
50.6%	1,102	1,118	16	1.5%
51.9%	1,102	1,092	-10	-0.9%
53.1%	1,083	1,084	0	0.0%
54.3%	1,063	1,082	19	1.8%
55.6%	1,040	1,056	16	1.5%
56.8%	1,038	1,055	17	1.7%
58.0%	1,034	1,055	21	2.0%
59.3%	996	1,053	58	5.8%
60.5%	991	1,023	32	3.3%
61.7%	981	1,021	40	4.1%
63.0%	976	1,001	25	2.5%
64.2%	975	978	3	0.3%
65.4%	972	976	4	0.4%
66.7%	968	971	3	0.3%
67.9%	965	967	2	0.2%
69.1%	959	934	-25	-2.6%
70.4%	958	934	-24	-2.5%
71.6%	953	933	-20	-2.1%
72.8%	945	931	-15	-1.5%
74.1%	938	922	-16	-1.7%
75.3%	928	902	-26	-2.8%
76.5%	917	900	-17	-1.9%
77.8%	913	893	-21	-2.3%
79.0%	895	887	-8	-0.8%
80.2%	867	886	19	2.1%
81.5%	856	884	28	3.3%
82.7%	849	883	34	4.0%
84.0%	846	866	20	2.3%
85.2%	827	859	32	3.8%
86.4%	818	846	28	3.5%
87.7%	814	843	29	3.5%
88.9%	768	804	36	4.7%
90.1%	767	797	30	3.8%
91.4%	735	777	42	5.7%
92.6%	702	771	69	9.8%
93.8%	693	770	77	11.2%
95.1%	692	743	51	7.4%
96.3%	678	729	51	7.5%
97.5%	668	668	1	0.1%
98.8%	634	664	29	4.6%
100.0%	532	540	8	1.4%

Table SW-41-b

San Luis Reservoir (SWP and CVP), End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,039	2,039	0	0.0%
4.9%	2,039	2,039	0	0.0%
6.2%	2,039	2,039	0	0.0%
7.4%	2,039	2,039	0	0.0%
8.6%	1,973	2,039	66	3.3%
9.9%	1,926	2,039	113	5.9%
11.1%	1,902	2,039	137	7.2%
12.3%	1,890	2,002	112	5.9%
13.6%	1,869	1,942	73	3.9%
14.8%	1,862	1,898	36	1.9%
16.0%	1,847	1,881	34	1.8%
17.3%	1,841	1,838	-3	-0.1%
18.5%	1,831	1,829	-2	-0.1%
19.8%	1,790	1,812	22	1.2%
21.0%	1,767	1,794	28	1.6%
22.2%	1,761	1,739	-22	-1.3%
23.5%	1,743	1,675	-68	-3.9%
24.7%	1,722	1,636	-87	-5.0%
25.9%	1,609	1,606	-3	-0.2%
27.2%	1,592	1,600	8	0.5%
28.4%	1,577	1,586	9	0.6%
29.6%	1,570	1,582	13	0.8%
30.9%	1,536	1,531	-5	-0.3%
32.1%	1,532	1,524	-8	-0.5%
33.3%	1,525	1,524	-1	0.0%
34.6%	1,507	1,509	2	0.1%
35.8%	1,505	1,498	-8	-0.5%
37.0%	1,488	1,485	-3	-0.2%
38.3%	1,478	1,448	-30	-2.0%
39.5%	1,476	1,440	-36	-2.4%
40.7%	1,444	1,432	-12	-0.8%
42.0%	1,431	1,401	-30	-2.1%
43.2%	1,412	1,390	-22	-1.6%
44.4%	1,401	1,381	-19	-1.4%
45.7%	1,387	1,379	-8	-0.6%
46.9%	1,381	1,378	-3	-0.2%
48.1%	1,373	1,367	-5	-0.4%
49.4%	1,367	1,364	-3	-0.2%
50.6%	1,350	1,351	2	0.1%
51.9%	1,342	1,351	9	0.7%
53.1%	1,331	1,336	5	0.3%
54.3%	1,317	1,323	6	0.4%
55.6%	1,301	1,309	8	0.6%
56.8%	1,296	1,306	11	0.8%
58.0%	1,282	1,303	20	1.6%
59.3%	1,262	1,301	39	3.1%
60.5%	1,230	1,289	59	4.8%
61.7%	1,225	1,282	57	4.7%
63.0%	1,216	1,278	62	5.1%
64.2%	1,208	1,216	8	0.7%
65.4%	1,208	1,209	1	0.1%
66.7%	1,186	1,145	-41	-3.4%
67.9%	1,180	1,133	-47	-4.0%
69.1%	1,164	1,119	-45	-3.9%
70.4%	1,164	1,114	-50	-4.3%
71.6%	1,159	1,104	-55	-4.8%
72.8%	1,142	1,087	-55	-4.8%
74.1%	1,130	1,078	-51	-4.5%
75.3%	1,121	1,060	-61	-5.5%
76.5%	1,084	1,059	-25	-2.3%
77.8%	1,071	1,051	-20	-1.9%
79.0%	1,061	1,038	-23	-2.2%
80.2%	1,053	1,038	-15	-1.4%
81.5%	1,018	1,031	13	1.3%
82.7%	1,014	1,029	15	1.5%
84.0%	993	1,022	29	2.9%
85.2%	987	1,011	23	2.4%
86.4%	987	1,007	20	2.0%
87.7%	956	1,002	46	4.8%
88.9%	925	987	62	6.7%
90.1%	910	975	65	7.1%
91.4%	843	959	116	13.8%
92.6%	834	926	92	11.0%
93.8%	807	913	106	13.1%
95.1%	784	908	124	15.8%
96.3%	765	813	48	6.3%
97.5%	748	806	58	7.7%
98.8%	719	800	80	11.2%
100.0%	590	763	173	29.3%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,039	2,039	0	0.0%
4.9%	2,039	2,039	0	0.0%
6.2%	2,039	2,039	0	0.0%
7.4%	2,039	2,039	0	0.0%
8.6%	2,039	2,039	0	0.0%
9.9%	2,039	2,039	0	0.0%
11.1%	2,039	2,039	0	0.0%
12.3%	2,039	2,039	0	0.0%
13.6%	2,039	2,039	0	0.0%
14.8%	2,039	2,039	0	0.0%
16.0%	2,039	2,039	0	0.0%
17.3%	2,039	2,039	0	0.0%
18.5%	2,037	2,039	2	0.1%
19.8%	2,026	2,039	13	0.6%
21.0%	2,020	2,035	16	0.8%
22.2%	2,014	1,996	-18	-0.9%
23.5%	1,988	1,938	-50	-2.5%
24.7%	1,954	1,937	-17	-0.9%
25.9%	1,923	1,922	-2	-0.1%
27.2%	1,906	1,916	10	0.5%
28.4%	1,888	1,882	-6	-0.3%
29.6%	1,871	1,871	0	0.0%
30.9%	1,861	1,840	-21	-1.1%
32.1%	1,846	1,820	-26	-1.4%
33.3%	1,833	1,812	-21	-1.1%
34.6%	1,814	1,801	-13	-0.7%
35.8%	1,813	1,797	-16	-0.9%
37.0%	1,770	1,762	-7	-0.4%
38.3%	1,769	1,720	-50	-2.8%
39.5%	1,752	1,715	-37	-2.1%
40.7%	1,743	1,711	-32	-1.8%
42.0%	1,723	1,688	-36	-2.1%
43.2%	1,723	1,646	-76	-4.4%
44.4%	1,683	1,628	-55	-3.3%
45.7%	1,640	1,618	-22	-1.3%
46.9%	1,628	1,609	-19	-1.2%
48.1%	1,608	1,601	-7	-0.4%
49.4%	1,601	1,579	-22	-1.4%
50.6%	1,593	1,575	-18	-1.1%
51.9%	1,548	1,562	14	0.9%
53.1%	1,507	1,543	36	2.4%
54.3%	1,503	1,539	37	2.4%
55.6%	1,502	1,516	14	0.9%
56.8%	1,496	1,515	19	1.3%
58.0%	1,491	1,512	21	1.4%
59.3%	1,478	1,506	28	1.9%
60.5%	1,465	1,501	35	2.4%
61.7%	1,455	1,429	-26	-1.8%
63.0%	1,423	1,402	-21	-1.5%
64.2%	1,363	1,384	22	1.6%
65.4%	1,361	1,379	17	1.3%
66.7%	1,337	1,347	10	0.7%
67.9%	1,325	1,333	8	0.6%
69.1%	1,324	1,311	-13	-1.0%
70.4%	1,319	1,307	-11	-0.9%
71.6%	1,300	1,300	0	0.0%
72.8%	1,270	1,276	6	0.5%
74.1%	1,269	1,269	0	0.0%
75.3%	1,264	1,262	-2	-0.1%
76.5%	1,256	1,244	-12	-0.9%
77.8%	1,254	1,244	-10	-0.8%
79.0%	1,253	1,227	-26	-2.0%
80.2%	1,251	1,220	-31	-2.4%
81.5%	1,237	1,203	-34	-2.7%
82.7%	1,217	1,188	-29	-2.4%
84.0%	1,206	1,184	-21	-1.8%
85.2%	1,186	1,182	-4	-0.3%
86.4%	1,133	1,170	38	3.3%
87.7%	1,119	1,151	33	2.9%
88.9%	1,089	1,119	30	2.7%
90.1%	1,046	1,101	55	5.3%
91.4%	1,045	1,082	37	3.6%
92.6%	1,032	1,076	44	4.2%
93.8%	1,017	1,047	30	3.0%
95.1%	973	1,045	73	7.5%
96.3%	962	1,013	51	5.3%
97.5%	948	1,008	60	6.4%
98.8%	852	998	147	17.2%
100.0%	590	863	273	46.3%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,006	-33	-1.6%
3.7%	2,011	1,977	-35	-1.7%
4.9%	1,927	1,931	3	0.2%
6.2%	1,924	1,924	0	0.0%
7.4%	1,899	1,908	9	0.5%
8.6%	1,890	1,896	6	0.3%
9.9%	1,883	1,889	6	0.3%
11.1%	1,875	1,871	-4	-0.2%
12.3%	1,818	1,868	50	2.8%
13.6%	1,805	1,817	12	0.7%
14.8%	1,801	1,793	-8	-0.5%
16.0%	1,796	1,788	-8	-0.4%
17.3%	1,785	1,787	2	0.1%
18.5%	1,784	1,786	1	0.1%
19.8%	1,783	1,784	2	0.1%
21.0%	1,766	1,782	16	0.9%
22.2%	1,759	1,782	22	1.3%
23.5%	1,758	1,780	22	1.2%
24.7%	1,749	1,762	13	0.8%
25.9%	1,742	1,723	-19	-1.1%
27.2%	1,715	1,709	-6	-0.4%
28.4%	1,707	1,676	-31	-1.8%
29.6%	1,685	1,655	-30	-1.8%
30.9%	1,683	1,631	-52	-3.1%
32.1%	1,647	1,593	-53	-3.2%
33.3%	1,605	1,572	-32	-2.0%
34.6%	1,603	1,563	-39	-2.5%
35.8%	1,576	1,550	-26	-1.7%
37.0%	1,558	1,534	-23	-1.5%
38.3%	1,553	1,530	-23	-1.5%
39.5%	1,548	1,527	-21	-1.4%
40.7%	1,544	1,508	-36	-2.4%
42.0%	1,541	1,506	-35	-2.3%
43.2%	1,503	1,480	-23	-1.5%
44.4%	1,502	1,477	-25	-1.7%
45.7%	1,502	1,470	-31	-2.1%
46.9%	1,491	1,435	-56	-3.8%
48.1%	1,480	1,426	-54	-3.7%
49.4%	1,457	1,417	-40	-2.7%
50.6%	1,440	1,409	-31	-2.2%
51.9%	1,429	1,402	-27	-1.9%
53.1%	1,374	1,381	7	0.5%
54.3%	1,364	1,379	16	1.1%
55.6%	1,363	1,355	-9	-0.6%
56.8%	1,354	1,352	-2	-0.1%
58.0%	1,330	1,344	15	1.1%
59.3%	1,309	1,323	14	1.1%
60.5%	1,281	1,309	28	2.2%
61.7%	1,275	1,288	14	1.1%
63.0%	1,266	1,279	12	1.0%
64.2%	1,256	1,278	22	1.8%
65.4%	1,254	1,231	-23	-1.8%
66.7%	1,205	1,212	7	0.6%
67.9%	1,196	1,211	15	1.2%
69.1%	1,189	1,177	-11	-0.9%
70.4%	1,182	1,175	-7	-0.6%
71.6%	1,167	1,175	8	0.7%
72.8%	1,156	1,144	-12	-1.1%
74.1%	1,154	1,132	-22	-1.9%
75.3%	1,136	1,130	-6	-0.5%
76.5%	1,126	1,126	0	0.0%
77.8%	1,118	1,107	-11	-0.9%
79.0%	1,095	1,096	1	0.1%
80.2%	1,090	1,094	4	0.4%
81.5%	1,086	1,089	3	0.3%
82.7%	1,083	1,059	-23	-2.1%
84.0%	1,077	1,051	-25	-2.4%
85.2%	1,070	1,037	-33	-3.1%
86.4%	1,068	1,036	-32	-3.0%
87.7%	1,014	1,025	11	1.1%
88.9%	1,008	1,001	-8	-0.8%
90.1%	986	986	0	0.0%
91.4%	983	984	0	0.0%
92.6%	956	982	26	2.7%
93.8%	956	974	18	1.9%
95.1%	922	954	31	3.4%
96.3%	880	944	65	7.4%
97.5%	877	924	47	5.3%
98.8%	817	906	89	10.9%
100.0%	540	825	285	52.7%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,012	2,009	-2	-0.1%
2.5%	1,883	1,873	-10	-0.5%
3.7%	1,795	1,774	-21	-1.2%
4.9%	1,742	1,773	31	1.8%
6.2%	1,735	1,731	-3	-0.2%
7.4%	1,641	1,688	47	2.9%
8.6%	1,629	1,623	-6	-0.4%
9.9%	1,593	1,583	-10	-0.6%
11.1%	1,545	1,540	-5	-0.3%
12.3%	1,540	1,526	-15	-0.9%
13.6%	1,523	1,485	-38	-2.5%
14.8%	1,491	1,481	-10	-0.7%
16.0%	1,417	1,404	-13	-0.9%
17.3%	1,383	1,390	7	0.5%
18.5%	1,382	1,384	3	0.2%
19.8%	1,377	1,374	-4	-0.3%
21.0%	1,358	1,355	-3	-0.2%
22.2%	1,352	1,340	-12	-0.9%
23.5%	1,341	1,323	-18	-1.4%
24.7%	1,339	1,322	-17	-1.2%
25.9%	1,323	1,310	-13	-1.0%
27.2%	1,323	1,295	-27	-2.1%
28.4%	1,304	1,283	-22	-1.7%
29.6%	1,297	1,281	-16	-1.2%
30.9%	1,281	1,257	-24	-1.8%
32.1%	1,280	1,244	-36	-2.8%
33.3%	1,280	1,242	-38	-2.9%
34.6%	1,274	1,221	-53	-4.2%
35.8%	1,261	1,214	-47	-3.7%
37.0%	1,240	1,213	-27	-2.2%
38.3%	1,238	1,190	-48	-3.9%
39.5%	1,230	1,141	-89	-7.2%
40.7%	1,197	1,140	-58	-4.8%
42.0%	1,174	1,134	-40	-3.4%
43.2%	1,155	1,125	-30	-2.6%
44.4%	1,147	1,118	-29	-2.5%
45.7%	1,146	1,108	-38	-3.3%
46.9%	1,127	1,106	-22	-1.9%
48.1%	1,119	1,087	-32	-2.8%
49.4%	1,117	1,073	-44	-4.0%
50.6%	1,116	1,071	-45	-4.0%
51.9%	1,114	1,068	-47	-4.2%
53.1%	1,080	1,064	-16	-1.5%
54.3%	1,075	1,056	-19	-1.8%
55.6%	1,071	1,054	-17	-1.6%
56.8%	1,069	1,051	-19	-1.7%
58.0%	1,055	1,044	-12	-1.1%
59.3%	1,040	1,030	-10	-1.0%
60.5%	1,006	987	-19	-1.9%
61.7%	1,000	973	-26	-2.6%
63.0%	980	963	-18	-1.8%
64.2%	944	952	8	0.8%
65.4%	936	941	5	0.5%
66.7%	919	913	-6	-0.7%
67.9%	899	907	8	0.9%
69.1%	895	889	-5	-0.6%
70.4%	891	871	-19	-2.2%
71.6%	880	861	-19	-2.1%
72.8%	855	860	5	0.6%
74.1%	854	850	-3	-0.4%
75.3%	851	844	-7	-0.8%
76.5%	840	837	-3	-0.4%
77.8%	832	834	2	0.2%
79.0%	831	814	-17	-2.0%
80.2%	831	811	-19	-2.3%
81.5%	820	798	-22	-2.7%
82.7%	808	784	-25	-3.1%
84.0%	792	781	-11	-1.4%
85.2%	792	759	-33	-4.2%
86.4%	762	752	-10	-1.3%
87.7%	756	744	-13	-1.7%
88.9%	754	740	-14	-1.9%
90.1%	751	736	-15	-2.0%
91.4%	737	731	-7	-0.9%
92.6%	735	720	-15	-2.0%
93.8%	721	718	-4	-0.5%
95.1%	713	712	-1	-0.2%
96.3%	710	682	-28	-3.9%
97.5%	695	669	-26	-3.7%
98.8%	675	667	-8	-1.2%
100.0%	464	665	201	43.3%

Table SW-41-b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,012	1,917	-96	-4.8%
1.2%	1,714	1,708	-5	-0.3%
2.5%	1,593	1,573	-19	-1.2%
3.7%	1,450	1,448	-3	-0.2%
4.9%	1,439	1,422	-17	-1.2%
6.2%	1,425	1,399	-26	-1.8%
7.4%	1,318	1,347	29	2.2%
8.6%	1,281	1,294	13	1.0%
9.9%	1,227	1,281	54	4.4%
11.1%	1,191	1,213	23	1.9%
12.3%	1,189	1,138	-51	-4.3%
13.6%	1,112	1,059	-53	-4.7%
14.8%	1,067	1,057	-11	-1.0%
16.0%	1,060	1,023	-37	-3.5%
17.3%	1,038	999	-39	-3.8%
18.5%	1,029	992	-37	-3.6%
19.8%	1,022	962	-60	-5.8%
21.0%	995	961	-34	-3.4%
22.2%	990	945	-45	-4.6%
23.5%	989	941	-48	-4.8%
24.7%	979	914	-65	-6.7%
25.9%	967	911	-55	-5.7%
27.2%	952	910	-42	-4.4%
28.4%	917	898	-19	-2.1%
29.6%	907	883	-23	-2.5%
30.9%	904	875	-29	-3.3%
32.1%	890	846	-45	-5.0%
33.3%	843	835	-9	-1.0%
34.6%	839	831	-8	-0.9%
35.8%	838	827	-11	-1.3%
37.0%	825	824	-1	-0.1%
38.3%	825	815	-10	-1.2%
39.5%	806	805	-1	-0.1%
40.7%	800	801	1	0.1%
42.0%	796	799	3	0.4%
43.2%	775	786	11	1.4%
44.4%	772	782	10	1.3%
45.7%	765	771	6	0.7%
46.9%	756	712	-44	-5.8%
48.1%	748	697	-50	-6.7%
49.4%	742	681	-61	-8.2%
50.6%	726	680	-46	-6.4%
51.9%	725	670	-55	-7.6%
53.1%	706	667	-39	-5.5%
54.3%	696	662	-35	-5.0%
55.6%	693	638	-55	-7.9%
56.8%	689	636	-53	-7.7%
58.0%	685	608	-77	-11.3%
59.3%	677	588	-88	-13.1%
60.5%	671	585	-86	-12.9%
61.7%	671	584	-87	-12.9%
63.0%	625	573	-52	-8.3%
64.2%	620	570	-50	-8.0%
65.4%	613	556	-57	-9.3%
66.7%	610	555	-55	-9.0%
67.9%	588	555	-33	-5.7%
69.1%	557	539	-18	-3.2%
70.4%	550	537	-13	-2.4%
71.6%	548	535	-13	-2.4%
72.8%	529	529	1	0.2%
74.1%	528	525	-4	-0.7%
75.3%	515	517	2	0.4%
76.5%	515	487	-28	-5.4%
77.8%	508	470	-38	-7.5%
79.0%	484	465	-19	-4.0%
80.2%	481	433	-48	-9.9%
81.5%	454	428	-26	-5.7%
82.7%	453	421	-32	-7.1%
84.0%	431	410	-21	-4.8%
85.2%	427	403	-24	-5.7%
86.4%	425	403	-22	-5.1%
87.7%	417	393	-24	-5.7%
88.9%	414	372	-42	-10.2%
90.1%	396	367	-29	-7.3%
91.4%	385	358	-27	-7.1%
92.6%	367	356	-12	-3.1%
93.8%	345	321	-24	-6.9%
95.1%	323	293	-30	-9.2%
96.3%	319	249	-70	-22.0%
97.5%	309	248	-61	-19.8%
98.8%	275	186	-89	-32.3%
100.0%	258	181	-77	-29.8%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,862	1,766	-95	-5.1%
1.2%	1,333	1,330	-3	-0.2%
2.5%	1,321	1,252	-69	-5.2%
3.7%	1,279	1,240	-39	-3.1%
4.9%	1,233	1,206	-28	-2.3%
6.2%	1,100	1,118	18	1.6%
7.4%	1,064	1,069	6	0.6%
8.6%	1,016	1,001	-15	-1.4%
9.9%	991	992	1	0.1%
11.1%	973	956	-17	-1.7%
12.3%	945	949	4	0.4%
13.6%	944	943	-2	-0.2%
14.8%	937	929	-8	-0.8%
16.0%	936	924	-12	-1.3%
17.3%	917	878	-40	-4.3%
18.5%	910	865	-45	-4.9%
19.8%	906	852	-53	-5.9%
21.0%	879	834	-45	-5.1%
22.2%	871	822	-48	-5.5%
23.5%	866	815	-51	-5.9%
24.7%	831	803	-28	-3.4%
25.9%	796	793	-2	-0.3%
27.2%	794	776	-18	-2.3%
28.4%	787	761	-26	-3.3%
29.6%	781	756	-25	-3.3%
30.9%	762	740	-23	-3.0%
32.1%	737	729	-7	-1.0%
33.3%	732	706	-26	-3.6%
34.6%	727	696	-30	-4.2%
35.8%	705	693	-13	-1.8%
37.0%	657	678	21	3.2%
38.3%	648	667	19	3.0%
39.5%	645	650	4	0.6%
40.7%	633	631	-2	-0.3%
42.0%	629	605	-24	-3.8%
43.2%	584	587	4	0.6%
44.4%	581	582	1	0.2%
45.7%	578	563	-15	-2.6%
46.9%	575	561	-14	-2.4%
48.1%	575	551	-24	-4.2%
49.4%	570	546	-24	-4.3%
50.6%	566	542	-23	-4.1%
51.9%	562	536	-26	-4.6%
53.1%	559	528	-30	-5.4%
54.3%	550	525	-25	-4.5%
55.6%	538	524	-15	-2.7%
56.8%	537	522	-15	-2.8%
58.0%	522	515	-7	-1.3%
59.3%	510	493	-17	-3.3%
60.5%	506	493	-13	-2.5%
61.7%	501	492	-8	-1.7%
63.0%	479	492	13	2.8%
64.2%	477	480	3	0.6%
65.4%	472	460	-12	-2.6%
66.7%	471	448	-23	-4.8%
67.9%	456	427	-29	-6.4%
69.1%	440	412	-28	-6.3%
70.4%	426	406	-20	-4.6%
71.6%	417	397	-20	-4.8%
72.8%	415	390	-25	-6.1%
74.1%	410	388	-22	-5.3%
75.3%	408	387	-21	-5.2%
76.5%	404	373	-32	-7.8%
77.8%	392	368	-24	-6.0%
79.0%	384	352	-33	-8.5%
80.2%	378	348	-30	-7.9%
81.5%	372	341	-31	-8.2%
82.7%	365	330	-35	-9.6%
84.0%	360	327	-33	-9.1%
85.2%	343	283	-60	-17.5%
86.4%	340	281	-60	-17.5%
87.7%	309	259	-51	-16.4%
88.9%	280	254	-26	-9.2%
90.1%	280	251	-28	-10.1%
91.4%	275	230	-45	-16.4%
92.6%	236	230	-6	-2.7%
93.8%	215	227	12	5.6%
95.1%	212	178	-35	-16.3%
96.3%	197	177	-20	-10.2%
97.5%	195	176	-18	-9.4%
98.8%	182	174	-7	-4.1%
100.0%	164	141	-23	-13.8%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,661	1,564	-97	-5.8%
1.2%	1,191	1,195	4	0.4%
2.5%	995	970	-25	-2.5%
3.7%	962	966	4	0.4%
4.9%	958	964	6	0.6%
6.2%	942	930	-12	-1.3%
7.4%	906	877	-29	-3.2%
8.6%	862	855	-7	-0.8%
9.9%	852	815	-37	-4.3%
11.1%	841	801	-40	-4.7%
12.3%	826	792	-34	-4.1%
13.6%	795	775	-20	-2.5%
14.8%	785	773	-12	-1.5%
16.0%	782	762	-20	-2.5%
17.3%	745	762	17	2.2%
18.5%	745	754	9	1.3%
19.8%	740	754	14	1.8%
21.0%	726	725	-1	-0.1%
22.2%	720	722	2	0.3%
23.5%	688	711	23	3.4%
24.7%	667	707	40	5.9%
25.9%	635	689	54	8.6%
27.2%	624	657	33	5.3%
28.4%	622	652	30	4.8%
29.6%	617	626	10	1.6%
30.9%	603	617	14	2.4%
32.1%	577	613	36	6.2%
33.3%	545	550	4	0.8%
34.6%	538	545	7	1.4%
35.8%	522	543	20	3.9%
37.0%	521	541	20	3.8%
38.3%	513	540	27	5.3%
39.5%	509	536	27	5.4%
40.7%	484	529	45	9.3%
42.0%	483	505	22	4.7%
43.2%	477	499	22	4.6%
44.4%	472	476	4	0.9%
45.7%	448	476	27	6.1%
46.9%	448	444	-4	-1.0%
48.1%	440	437	-3	-0.8%
49.4%	439	432	-7	-1.6%
50.6%	426	422	-4	-0.9%
51.9%	422	410	-13	-3.0%
53.1%	414	409	-5	-1.1%
54.3%	405	398	-8	-1.9%
55.6%	405	393	-12	-3.0%
56.8%	387	387	-1	-0.2%
58.0%	377	378	1	0.3%
59.3%	362	371	9	2.4%
60.5%	361	369	8	2.1%
61.7%	361	364	3	0.8%
63.0%	361	355	-6	-1.6%
64.2%	356	336	-20	-5.7%
65.4%	355	335	-21	-5.8%
66.7%	350	333	-16	-4.7%
67.9%	348	331	-17	-4.8%
69.1%	342	331	-11	-3.3%
70.4%	331	329	-2	-0.6%
71.6%	326	322	-4	-1.3%
72.8%	307	305	-2	-0.5%
74.1%	305	287	-18	-6.0%
75.3%	304	278	-26	-8.6%
76.5%	277	275	-2	-0.7%
77.8%	252	266	14	5.7%
79.0%	251	260	9	3.6%
80.2%	250	260	10	3.8%
81.5%	236	247	11	4.7%
82.7%	220	240	20	9.0%
84.0%	214	234	19	9.1%
85.2%	213	214	1	0.5%
86.4%	205	198	-6	-3.1%
87.7%	189	197	8	4.4%
88.9%	182	190	8	4.5%
90.1%	179	184	5	2.6%
91.4%	176	163	-13	-7.2%
92.6%	174	145	-29	-16.6%
93.8%	166	138	-28	-16.7%
95.1%	148	137	-11	-7.6%
96.3%	146	130	-16	-10.7%
97.5%	130	100	-30	-23.2%
98.8%	100	100	0	0.0%
100.0%	100	100	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,738	1,632	-105	-6.1%
1.2%	863	1,021	158	18.4%
2.5%	836	935	99	11.9%
3.7%	835	888	53	6.4%
4.9%	819	832	13	1.6%
6.2%	798	828	29	3.7%
7.4%	758	806	48	6.3%
8.6%	748	799	50	6.7%
9.9%	743	790	46	6.2%
11.1%	712	779	67	9.4%
12.3%	691	771	80	11.5%
13.6%	667	753	86	12.9%
14.8%	664	721	57	8.6%
16.0%	663	719	56	8.5%
17.3%	660	696	36	5.5%
18.5%	624	666	41	6.6%
19.8%	585	665	79	13.6%
21.0%	581	650	69	11.9%
22.2%	581	649	68	11.7%
23.5%	567	640	73	12.9%
24.7%	551	629	78	14.2%
25.9%	535	625	90	16.7%
27.2%	501	619	119	23.7%
28.4%	492	585	93	18.9%
29.6%	490	583	93	19.1%
30.9%	485	562	77	16.0%
32.1%	476	554	79	16.5%
33.3%	472	554	82	17.4%
34.6%	470	549	79	16.8%
35.8%	470	528	58	12.3%
37.0%	469	512	42	9.0%
38.3%	469	501	32	6.9%
39.5%	455	487	32	7.0%
40.7%	454	476	22	4.8%
42.0%	453	473	20	4.5%
43.2%	449	470	21	4.7%
44.4%	445	466	20	4.6%
45.7%	443	453	10	2.3%
46.9%	436	448	11	2.6%
48.1%	436	447	11	2.6%
49.4%	435	447	11	2.6%
50.6%	429	443	14	3.3%
51.9%	426	440	14	3.3%
53.1%	421	437	15	3.6%
54.3%	420	437	16	3.9%
55.6%	417	435	17	4.2%
56.8%	415	433	18	4.3%
58.0%	415	427	12	2.9%
59.3%	412	423	10	2.5%
60.5%	412	419	7	1.7%
61.7%	409	418	9	2.1%
63.0%	408	416	8	2.1%
64.2%	405	409	4	0.9%
65.4%	398	409	11	2.8%
66.7%	393	405	12	3.1%
67.9%	392	399	7	1.8%
69.1%	390	398	9	2.3%
70.4%	375	398	23	6.0%
71.6%	366	392	26	7.0%
72.8%	344	383	40	11.6%
74.1%	336	381	45	13.5%
75.3%	323	379	56	17.5%
76.5%	313	365	52	16.5%
77.8%	306	362	56	18.4%
79.0%	305	350	45	14.6%
80.2%	300	345	45	14.9%
81.5%	293	328	35	12.1%
82.7%	284	317	33	11.6%
84.0%	284	308	24	8.6%
85.2%	282	297	15	5.2%
86.4%	280	264	-16	-5.8%
87.7%	266	257	-9	-3.4%
88.9%	259	254	-5	-1.9%
90.1%	216	249	33	15.1%
91.4%	207	231	25	11.9%
92.6%	196	231	35	18.1%
93.8%	175	208	34	19.5%
95.1%	145	183	38	26.2%
96.3%	140	166	26	18.8%
97.5%	134	141	7	5.1%
98.8%	114	130	16	14.3%
100.0%	100	107	7	6.9%

Figure SW-42-b
San Luis Reservoir (SWP and CVP), End of Month Elevation
Probability of Exceedance

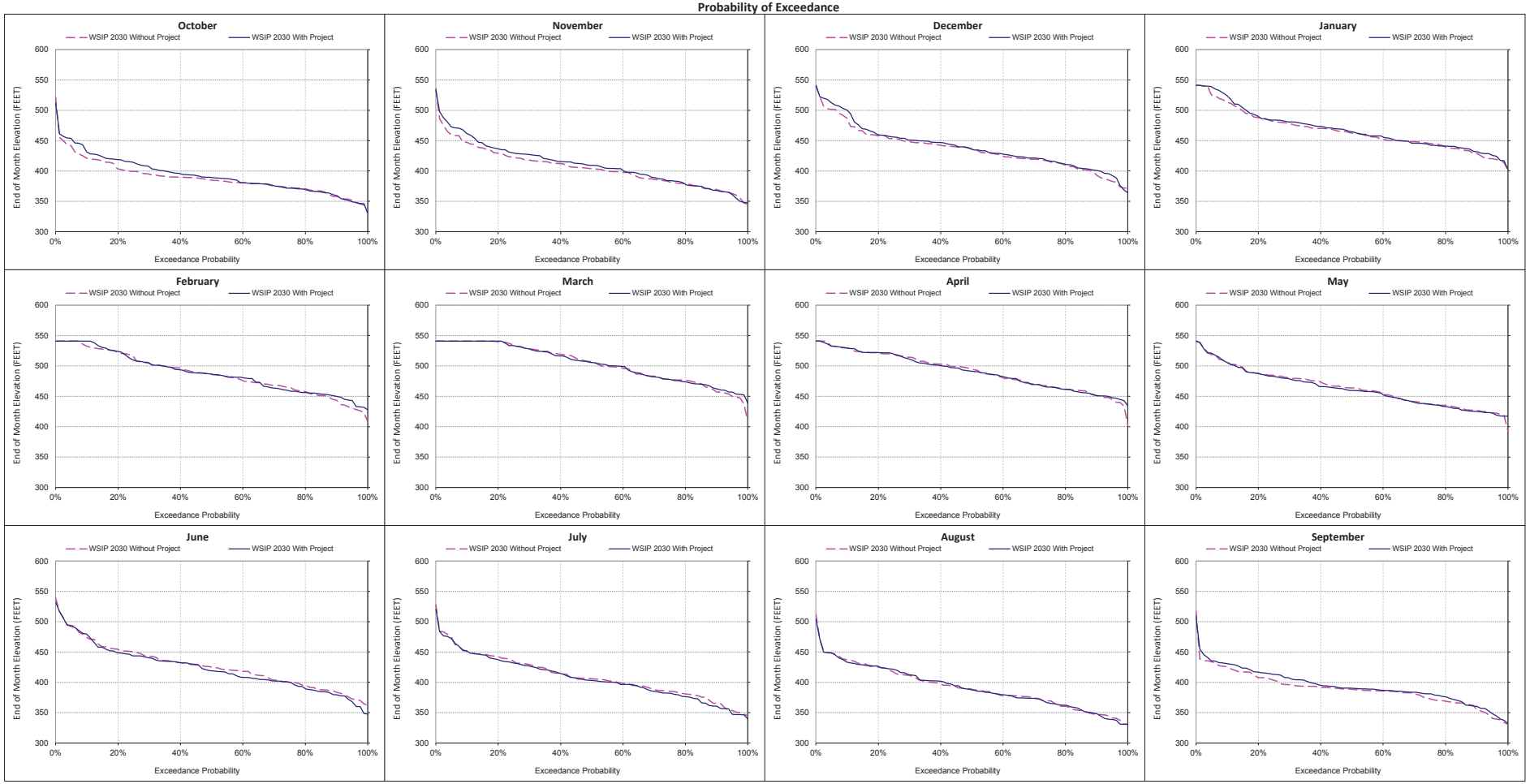


Table SW-42-b

San Luis Reservoir (SWP and CVP), End of Month Elevation

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	522	512	-10	-1.9%
1.2%	456	461	5	1.2%
2.5%	450	457	7	1.5%
3.7%	443	454	11	2.5%
4.9%	442	454	12	2.8%
6.2%	431	446	15	3.5%
7.4%	428	446	18	4.1%
8.6%	425	443	18	4.2%
9.9%	421	432	11	2.5%
11.1%	420	428	8	2.0%
12.3%	419	428	9	2.1%
13.6%	419	426	8	1.9%
14.8%	417	424	7	1.7%
16.0%	414	421	7	1.6%
17.3%	414	420	6	1.4%
18.5%	412	420	7	1.8%
19.8%	404	419	15	3.7%
21.0%	402	418	16	3.9%
22.2%	401	416	15	3.8%
23.5%	400	415	16	3.9%
24.7%	399	415	15	3.8%
25.9%	399	412	13	3.1%
27.2%	397	410	13	3.2%
28.4%	396	409	13	3.3%
29.6%	395	408	13	3.2%
30.9%	394	403	10	2.5%
32.1%	393	402	9	2.3%
33.3%	392	401	9	2.3%
34.6%	392	401	9	2.3%
35.8%	390	399	9	2.2%
37.0%	390	398	7	1.9%
38.3%	390	396	6	1.6%
39.5%	390	396	6	1.6%
40.7%	390	394	5	1.2%
42.0%	389	394	5	1.2%
43.2%	389	393	4	1.1%
44.4%	389	393	4	1.1%
45.7%	388	392	4	0.9%
46.9%	387	390	3	0.7%
48.1%	386	390	4	0.9%
49.4%	385	390	5	1.2%
50.6%	384	389	5	1.2%
51.9%	384	388	4	1.0%
53.1%	383	388	5	1.2%
54.3%	383	387	4	1.1%
55.6%	382	387	5	1.3%
56.8%	381	386	5	1.2%
58.0%	381	385	4	1.1%
59.3%	381	381	0	0.1%
60.5%	380	381	0	0.1%
61.7%	380	380	0	-0.1%
63.0%	380	379	-1	-0.2%
64.2%	379	379	-1	-0.1%
65.4%	379	379	-1	-0.2%
66.7%	379	379	0	-0.1%
67.9%	378	379	1	0.3%
69.1%	376	377	1	0.2%
70.4%	375	375	0	0.0%
71.6%	374	375	0	0.0%
72.8%	374	373	-1	-0.3%
74.1%	373	372	-1	-0.4%
75.3%	373	372	-1	-0.3%
76.5%	372	371	-1	-0.2%
77.8%	372	370	-1	-0.4%
79.0%	372	370	-1	-0.4%
80.2%	370	369	-1	-0.3%
81.5%	369	367	-1	-0.4%
82.7%	368	367	-1	-0.3%
84.0%	367	366	-1	-0.3%
85.2%	367	365	-2	-0.5%
86.4%	365	364	-1	-0.3%
87.7%	361	363	2	0.6%
88.9%	358	361	3	0.8%
90.1%	358	359	1	0.3%
91.4%	356	355	-2	-0.4%
92.6%	354	353	-1	-0.3%
93.8%	354	352	-2	-0.6%
95.1%	351	349	-2	-0.6%
96.3%	348	348	0	0.1%
97.5%	346	346	1	0.2%
98.8%	344	346	2	0.6%
100.0%	331	331	0	0.0%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	536	533	-3	-0.5%
1.2%	486	498	12	2.5%
2.5%	475	488	12	2.6%
3.7%	465	481	16	3.3%
4.9%	460	473	13	2.7%
6.2%	459	471	13	2.8%
7.4%	458	470	12	2.7%
8.6%	448	468	20	4.5%
9.9%	447	462	15	3.3%
11.1%	445	459	14	3.2%
12.3%	444	454	10	2.3%
13.6%	439	447	8	1.9%
14.8%	438	447	8	1.9%
16.0%	436	441	5	1.2%
17.3%	435	440	4	1.0%
18.5%	430	438	8	1.8%
19.8%	429	437	7	1.7%
21.0%	429	435	6	1.4%
22.2%	426	435	9	2.1%
23.5%	423	431	8	1.8%
24.7%	423	430	7	1.5%
25.9%	422	428	7	1.6%
27.2%	421	428	7	1.7%
28.4%	419	428	9	2.1%
29.6%	418	428	9	2.2%
30.9%	417	427	10	2.3%
32.1%	416	426	9	2.2%
33.3%	416	425	9	2.2%
34.6%	415	421	5	1.3%
35.8%	415	420	4	1.1%
37.0%	413	418	5	1.2%
38.3%	413	417	4	1.0%
39.5%	412	415	3	0.8%
40.7%	412	415	3	0.8%
42.0%	409	415	6	1.5%
43.2%	407	415	8	2.1%
44.4%	406	413	7	1.6%
45.7%	406	412	7	1.7%
46.9%	406	412	6	1.5%
48.1%	405	410	6	1.4%
49.4%	404	409	5	1.3%
50.6%	404	409	6	1.4%
51.9%	403	409	6	1.5%
53.1%	403	407	4	1.0%
54.3%	400	405	5	1.2%
55.6%	399	404	5	1.3%
56.8%	399	404	5	1.3%
58.0%	399	404	5	1.2%
59.3%	398	404	6	1.5%
60.5%	397	399	2	0.4%
61.7%	397	398	0	0.1%
63.0%	394	398	4	1.0%
64.2%	392	397	5	1.4%
65.4%	389	395	6	1.6%
66.7%	388	395	7	1.7%
67.9%	387	393	6	1.6%
69.1%	387	390	3	0.7%
70.4%	386	389	3	0.8%
71.6%	385	387	2	0.5%
72.8%	384	387	2	0.6%
74.1%	383	384	1	0.1%
75.3%	381	384	2	0.7%
76.5%	381	383	3	0.7%
77.8%	380	383	3	0.8%
79.0%	380	381	1	0.4%
80.2%	378	377	-1	-0.3%
81.5%	378	376	-2	-0.5%
82.7%	376	376	0	-0.1%
84.0%	375	375	0	0.1%
85.2%	373	375	2	0.6%
86.4%	371	371	0	0.1%
87.7%	371	371	0	0.0%
88.9%	369	368	-1	-0.3%
90.1%	369	368	-2	-0.4%
91.4%	367	366	-1	-0.3%
92.6%	366	366	0	0.1%
93.8%	365	365	0	0.0%
95.1%	363	361	-1	-0.4%
96.3%	360	355	-5	-1.4%
97.5%	355	350	-5	-1.5%
98.8%	347	348	1	0.3%
100.0%	345	347	2	0.6%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	523	523	0	-0.1%
2.5%	507	520	13	2.6%
3.7%	503	518	15	3.1%
4.9%	502	513	11	2.2%
6.2%	501	509	7	1.4%
7.4%	495	507	12	2.4%
8.6%	492	503	11	2.3%
9.9%	487	501	13	2.7%
11.1%	474	495	21	4.5%
12.3%	473	481	8	1.7%
13.6%	467	476	9	2.0%
14.8%	466	470	3	0.7%
16.0%	461	469	8	1.8%
17.3%	460	466	6	1.4%
18.5%	460	464	5	1.0%
19.8%	458	460	2	0.3%
21.0%	458	459	1	0.2%
22.2%	458	459	1	0.2%
23.5%	453	457	3	0.7%
24.7%	453	456	3	0.7%
25.9%	453	456	3	0.6%
27.2%	451	454	3	0.6%
28.4%	449	454	5	1.1%
29.6%	448	451	3	0.6%
30.9%	448	451	3	0.7%
32.1%	447	451	4	0.9%
33.3%	447	450	3	0.7%
34.6%	446	449	3	0.7%
35.8%	445	449	4	0.9%
37.0%	445	448	3	0.6%
38.3%	443	447	4	0.9%
39.5%	443	447	4	0.9%
40.7%	442	446	5	1.1%
42.0%	441	445	4	0.9%
43.2%	441	444	3	0.7%
44.4%	440	443	3	0.6%
45.7%	439	440	1	0.1%
46.9%	439	440	1	0.2%
48.1%	439	439	0	0.1%
49.4%	437	438	1	0.2%
50.6%	435	435	0	-0.1%
51.9%	433	434	1	0.2%
53.1%	430	433	3	0.7%
54.3%	430	433	3	0.8%
55.6%	429	430	1	0.2%
56.8%	429	430	1	0.2%
58.0%	428	429	2	0.4%
59.3%	427	429	2	0.4%
60.5%	423	427	4	1.0%
61.7%	423	426	3	0.8%
63.0%	422	425	3	0.7%
64.2%	422	424	2	0.6%
65.4%	421	423	3	0.6%
66.7%	421	423	3	0.6%
67.9%	419	422	2	0.5%
69.1%	419	421	2	0.5%
70.4%	419	421	2	0.5%
71.6%	419	420	2	0.4%
72.8%	418	420	3	0.6%
74.1%	417	417	0	-0.1%
75.3%	415	416	2	0.4%
76.5%	415	416	1	0.3%
77.8%	414	413	0	-0.1%
79.0%	412	412	1	0.2%
80.2%	409	411	2	0.4%
81.5%	407	410	3	0.7%
82.7%	407	408	1	0.3%
84.0%	403	405	2	0.5%
85.2%	402	404	2	0.5%
86.4%	402	404	2	0.5%
87.7%	401	403	2	0.5%
88.9%	399	402	2	0.6%
90.1%	393	401	8	2.1%
91.4%	389	400	11	2.7%
92.6%	386	396	10	2.5%
93.8%	385	396	10	2.7%
95.1%	383	392	10	2.5%
96.3%	382	388	7	1.8%
97.5%	374	376	2	0.6%
98.8%	372	369	-3	-0.9%
100.0%	372	364	-8	-2.1%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	540	540	0	0.0%
3.7%	540	540	0	0.0%
4.9%	525	539	14	2.6%
6.2%	524	535	11	2.1%
7.4%	520	533	13	2.5%
8.6%	517	529	12	2.2%
9.9%	513	525	12	2.3%
11.1%	512	518	7	1.3%
12.3%	507	510	3	0.6%
13.6%	505	510	5	1.0%
14.8%	500	505	5	1.0%
16.0%	495	500	5	1.0%
17.3%	494	495	1	0.3%
18.5%	489	493	4	0.9%
19.8%	488	491	3	0.6%
21.0%	488	486	-2	-0.3%
22.2%	486	486	-1	-0.1%
23.5%	484	484	1	0.2%
24.7%	482	484	2	0.5%
25.9%	481	484	3	0.6%
27.2%	480	483	3	0.7%
28.4%	480	482	2	0.5%
29.6%	478	481	3	0.7%
30.9%	477	481	4	0.8%
32.1%	475	481	5	1.1%
33.3%	475	479	4	0.9%
34.6%	473	478	4	0.9%
35.8%	473	477	4	0.8%
37.0%	471	476	5	1.1%
38.3%	470	474	3	0.7%
39.5%	470	474	4	0.8%
40.7%	470	473	3	0.6%
42.0%	470	471	1	0.3%
43.2%	469	471	2	0.4%
44.4%	467	470	2	0.5%
45.7%	466	469	4	0.8%
46.9%	465	469	4	0.9%
48.1%	465	467	2	0.5%
49.4%	463	465	2	0.4%
50.6%	462	464	2	0.3%
51.9%	462	461	-1	-0.2%
53.1%	461	461	0	0.0%
54.3%	459	460	2	0.4%
55.6%	456	458	2	0.3%
56.8%	456	458	2	0.4%
58.0%	456	458	2	0.4%
59.3%	452	458	6	1.3%
60.5%	452	455	3	0.7%
61.7%	450	454	4	0.9%
63.0%	450	452	2	0.5%
64.2%	450	450	0	0.1%
65.4%	450	450	0	0.1%
66.7%	449	449	0	0.1%
67.9%	449	449	0	0.0%
69.1%	448	446	-3	-0.6%
70.4%	448	446	-2	-0.5%
71.6%	448	446	-2	-0.5%
72.8%	447	445	-1	-0.3%
74.1%	446	445	-2	-0.4%
75.3%	445	443	-3	-0.6%
76.5%	444	442	-2	-0.4%
77.8%	444	442	-2	-0.5%
79.0%	442	441	-1	-0.2%
80.2%	439	441	2	0.4%
81.5%	438	441	3	0.7%
82.7%	437	441	4	0.8%
84.0%	437	439	2	0.5%
85.2%	435	438	3	0.8%
86.4%	434	437	3	0.7%
87.7%	433	436	3	0.7%
88.9%	429	432	4	0.9%
90.1%	428	432	3	0.7%
91.4%	425	430	4	1.1%
92.6%	421	429	7	1.8%
93.8%	420	429	8	2.0%
95.1%	420	426	6	1.3%
96.3%	419	424	6	1.3%
97.5%	418	418	0	0.0%
98.8%	414	417	3	0.8%
100.0%	402	403	1	0.2%

Table SW-42-b

San Luis Reservoir (SWP and CVP), End of Month Elevation
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	541	541	0	0.0%
4.9%	541	541	0	0.0%
6.2%	541	541	0	0.0%
7.4%	541	541	0	0.0%
8.6%	536	541	5	0.9%
9.9%	533	541	8	1.6%
11.1%	531	541	10	1.9%
12.3%	530	538	8	1.6%
13.6%	528	534	5	1.0%
14.8%	528	531	3	0.5%
16.0%	527	529	3	0.5%
17.3%	526	526	0	0.0%
18.5%	526	525	0	0.0%
19.8%	522	524	2	0.3%
21.0%	521	523	2	0.4%
22.2%	520	519	-2	-0.3%
23.5%	519	513	-5	-1.0%
24.7%	517	510	-7	-1.3%
25.9%	508	508	0	0.0%
27.2%	507	507	1	0.1%
28.4%	505	506	1	0.2%
29.6%	505	506	1	0.2%
30.9%	502	502	0	-0.1%
32.1%	502	501	-1	-0.1%
33.3%	501	501	0	0.0%
34.6%	500	500	0	0.0%
35.8%	499	499	-1	-0.1%
37.0%	498	498	0	-0.1%
38.3%	497	495	-3	-0.5%
39.5%	497	494	-3	-0.6%
40.7%	494	493	-1	-0.2%
42.0%	493	490	-3	-0.5%
43.2%	491	489	-2	-0.4%
44.4%	490	489	-2	-0.4%
45.7%	489	488	-1	-0.1%
46.9%	489	488	0	-0.1%
48.1%	488	487	0	-0.1%
49.4%	487	487	0	-0.1%
50.6%	486	486	0	0.0%
51.9%	485	486	1	0.2%
53.1%	484	484	0	0.1%
54.3%	483	483	1	0.1%
55.6%	481	482	1	0.2%
56.8%	481	482	1	0.2%
58.0%	480	481	2	0.4%
59.3%	478	481	4	0.8%
60.5%	475	480	6	1.2%
61.7%	474	480	5	1.1%
63.0%	473	479	6	1.2%
64.2%	473	473	1	0.2%
65.4%	473	473	0	0.0%
66.7%	470	467	-4	-0.8%
67.9%	470	465	-4	-1.0%
69.1%	468	464	-4	-0.9%
70.4%	468	464	-5	-1.0%
71.6%	468	463	-5	-1.1%
72.8%	466	461	-5	-1.1%
74.1%	465	460	-5	-1.1%
75.3%	464	458	-6	-1.3%
76.5%	461	458	-2	-0.5%
77.8%	459	457	-2	-0.4%
79.0%	458	456	-2	-0.5%
80.2%	458	456	-1	-0.3%
81.5%	454	455	1	0.3%
82.7%	454	455	2	0.3%
84.0%	452	455	3	0.6%
85.2%	451	453	2	0.5%
86.4%	451	453	2	0.4%
87.7%	448	453	5	1.0%
88.9%	445	451	6	1.4%
90.1%	443	450	7	1.5%
91.4%	436	448	12	2.7%
92.6%	436	445	9	2.2%
93.8%	433	444	11	2.5%
95.1%	430	443	13	3.0%
96.3%	428	433	5	1.2%
97.5%	426	433	6	1.4%
98.8%	423	432	9	2.0%
100.0%	409	428	19	4.8%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	541	541	0	0.0%
4.9%	541	541	0	0.0%
6.2%	541	541	0	0.0%
7.4%	541	541	0	0.0%
8.6%	541	541	0	0.0%
9.9%	541	541	0	0.0%
11.1%	541	541	0	0.0%
12.3%	541	541	0	0.0%
13.6%	541	541	0	0.0%
14.8%	541	541	0	0.0%
16.0%	541	541	0	0.0%
17.3%	541	541	0	0.0%
18.5%	541	541	0	0.0%
19.8%	540	541	1	0.2%
21.0%	540	541	1	0.2%
22.2%	539	538	-1	-0.3%
23.5%	537	534	-4	-0.7%
24.7%	535	533	-1	-0.2%
25.9%	532	532	0	0.0%
27.2%	531	532	1	0.1%
28.4%	530	529	0	-0.1%
29.6%	529	529	0	0.0%
30.9%	528	526	-2	-0.3%
32.1%	527	525	-2	-0.4%
33.3%	526	524	-2	-0.3%
34.6%	524	523	-1	-0.2%
35.8%	524	523	-1	-0.2%
37.0%	521	520	-1	-0.1%
38.3%	521	517	-4	-0.7%
39.5%	520	517	-3	-0.6%
40.7%	519	516	-2	-0.5%
42.0%	517	514	-3	-0.5%
43.2%	517	511	-6	-1.2%
44.4%	514	510	-4	-0.9%
45.7%	511	509	-2	-0.3%
46.9%	510	508	-2	-0.3%
48.1%	508	507	-1	-0.1%
49.4%	507	506	-2	-0.4%
50.6%	507	505	-2	-0.3%
51.9%	503	504	1	0.2%
53.1%	500	503	3	0.6%
54.3%	499	502	3	0.6%
55.6%	499	500	1	0.2%
56.8%	499	500	2	0.3%
58.0%	498	500	2	0.4%
59.3%	497	499	2	0.5%
60.5%	496	499	3	0.6%
61.7%	495	493	-2	-0.5%
63.0%	492	490	-2	-0.4%
64.2%	487	489	2	0.4%
65.4%	487	488	2	0.3%
66.7%	485	485	1	0.2%
67.9%	483	484	1	0.2%
69.1%	483	482	-1	-0.2%
70.4%	483	482	-1	-0.2%
71.6%	481	481	0	0.0%
72.8%	478	479	1	0.1%
74.1%	478	478	0	0.0%
75.3%	478	478	0	0.0%
76.5%	477	476	-1	-0.2%
77.8%	477	476	-1	-0.2%
79.0%	477	474	-2	-0.5%
80.2%	477	474	-3	-0.6%
81.5%	475	472	-3	-0.7%
82.7%	473	471	-3	-0.6%
84.0%	472	470	-2	-0.4%
85.2%	470	470	0	-0.1%
86.4%	465	469	4	0.8%
87.7%	464	467	3	0.7%
88.9%	461	464	3	0.6%
90.1%	457	462	5	1.2%
91.4%	457	461	4	0.8%
92.6%	456	460	4	0.9%
93.8%	454	457	3	0.7%
95.1%	450	457	7	1.6%
96.3%	449	454	5	1.1%
97.5%	447	453	6	1.4%
98.8%	437	452	15	3.4%
100.0%	409	439	30	7.3%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	539	-2	-0.5%
3.7%	539	536	-3	-0.5%
4.9%	533	533	0	0.0%
6.2%	533	533	0	0.0%
7.4%	531	531	1	0.1%
8.6%	530	530	0	0.1%
9.9%	529	530	0	0.1%
11.1%	529	529	0	-0.1%
12.3%	525	528	4	0.7%
13.6%	524	525	1	0.2%
14.8%	523	523	-1	-0.1%
16.0%	523	522	-1	-0.1%
17.3%	522	522	0	0.0%
18.5%	522	522	0	0.0%
19.8%	522	522	0	0.0%
21.0%	521	522	1	0.2%
22.2%	520	522	2	0.3%
23.5%	520	522	2	0.3%
24.7%	519	520	1	0.2%
25.9%	519	517	-1	-0.3%
27.2%	517	516	-1	-0.1%
28.4%	516	514	-2	-0.5%
29.6%	514	512	-2	-0.5%
30.9%	514	510	-4	-0.8%
32.1%	511	507	-4	-0.9%
33.3%	508	505	-3	-0.5%
34.6%	508	504	-3	-0.6%
35.8%	505	503	-2	-0.4%
37.0%	504	502	-2	-0.4%
38.3%	504	502	-2	-0.4%
39.5%	503	501	-2	-0.4%
40.7%	503	500	-3	-0.6%
42.0%	502	499	-3	-0.6%
43.2%	499	497	-2	-0.4%
44.4%	499	497	-2	-0.4%
45.7%	499	496	-3	-0.5%
46.9%	498	493	-5	-1.0%
48.1%	497	493	-5	-1.0%
49.4%	495	492	-3	-0.7%
50.6%	494	491	-3	-0.6%
51.9%	493	490	-2	-0.5%
53.1%	488	489	1	0.1%
54.3%	487	488	1	0.3%
55.6%	487	486	-1	-0.2%
56.8%	486	486	0	0.0%
58.0%	484	485	1	0.3%
59.3%	482	483	1	0.3%
60.5%	479	482	3	0.5%
61.7%	479	480	1	0.3%
63.0%	478	479	1	0.2%
64.2%	477	479	2	0.4%
65.4%	477	475	-2	-0.4%
66.7%	472	473	1	0.1%
67.9%	471	473	1	0.3%
69.1%	471	470	-1	-0.2%
70.4%	470	469	-1	-0.1%
71.6%	469	469	1	0.2%
72.8%	468	466	-1	-0.3%
74.1%	467	465	-2	-0.5%
75.3%	466	465	-1	-0.1%
76.5%	465	465	0	0.0%
77.8%	464	463	-1	-0.2%
79.0%	462	462	0	0.0%
80.2%	461	462	0	0.1%
81.5%	461	461	0	0.1%
82.7%	461	458	-2	-0.5%
84.0%	460	457	-2	-0.5%
85.2%	459	456	-3	-0.7%
86.4%	459	456	-3	-0.7%
87.7%	454	455	1	0.2%
88.9%	453	452	-1	-0.2%
90.1%	451	451	0	0.0%
91.4%	451	451	0	0.0%
92.6%	448	451	3	0.6%
93.8%	448	450	2	0.4%
95.1%	445	448	3	0.7%
96.3%	440	447	7	1.5%
97.5%	440	445	5	1.1%
98.8%	434	443	9	2.1%
100.0%	403	435	32	8.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	539	539	0	0.0%
2.5%	530	529	-1	-0.1%
3.7%	523	521	-2	-0.3%
4.9%	519	521	2	0.5%
6.2%	518	518	0	-0.1%
7.4%	511	515	4	0.7%
8.6%	510	509	0	-0.1%
9.9%	507	506	-1	-0.2%
11.1%	503	502	0	-0.1%
12.3%	502	501	-1	-0.2%
13.6%	501	498	-3	-0.6%
14.8%	498	497	-1	-0.2%
16.0%	492	491	-1	-0.2%
17.3%	489	489	1	0.1%
18.5%	489	489	0	0.0%
19.8%	488	488	0	-0.1%
21.0%	486	486	0	-0.1%
22.2%	486	485	-1	-0.2%
23.5%	485	483	-2	-0.3%
24.7%	485	483	-2	-0.3%
25.9%	483	482	-1	-0.2%
27.2%	483	481	-3	-0.5%
28.4%	482	480	-2	-0.4%
29.6%	481	479	-1	-0.3%
30.9%	479	477	-2	-0.5%
32.1%	479	476	-3	-0.7%
33.3%	479	476	-3	-0.7%
34.6%	479	474	-5	-1.0%
35.8%	478	473	-4	-0.9%
37.0%	476	473	-3	-0.5%
38.3%	475	471	-5	-0.9%
39.5%	475	466	-8	-1.8%
40.7%	472	466	-6	-1.2%
42.0%	469	466	-4	-0.8%
43.2%	468	465	-3	-0.6%
44.4%	467	464	-3	-0.6%
45.7%	467	463	-4	-0.8%
46.9%	465	463	-2	-0.5%
48.1%	464	461	-3	-0.7%
49.4%	464	460	-4	-0.9%
50.6%	464	459	-4	-0.9%
51.9%	464	459	-5	-1.0%
53.1%	460	459	-2	-0.3%
54.3%	460	458	-2	-0.4%
55.6%	459	458	-2	-0.4%
56.8%	459	457	-2	-0.4%
58.0%	458	457	-1	-0.2%
59.3%	456	455	-1	-0.2%
60.5%	453	451	-2	-0.4%
61.7%	452	450	-3	-0.6%
63.0%	450	449	-2	-0.4%
64.2%	447	448	1	0.2%
65.4%	446	446	0	0.1%
66.7%	444	444	-1	-0.1%
67.9%	442	443	1	0.2%
69.1%	442	441	-1	-0.1%
70.4%	441	439	-2	-0.4%
71.6%	440	438	-2	-0.4%
72.8%	438	438	1	0.1%
74.1%	438	437	0	-0.1%
75.3%	437	437	-1	-0.2%
76.5%	436	436	0	-0.1%
77.8%	435	435	0	0.0%
79.0%	435	433	-2	-0.4%
80.2%	435	433	-2	-0.5%
81.5%	434	432	-2	-0.5%
82.7%	433	430	-3	-0.6%
84.0%	431	430	-1	-0.3%
85.2%	431	428	-4	-0.8%
86.4%	428	427	-1	-0.3%
87.7%	427	426	-1	-0.3%
88.9%	427	425	-2	-0.4%
90.1%	427	425	-2	-0.4%
91.4%	425	425	-1	-0.2%
92.6%	425	423	-2	-0.4%
93.8%	424	423	0	-0.1%
95.1%	423	422	0	0.0%
96.3%	422	419	-3	-0.7%
97.5%	421	418	-3	-0.7%
98.8%	418	417	-1	-0.2%
100.0%	393	417	24	6.2%

Table SW-42-b

San Luis Reservoir (SWP and CVP), End of Month Elevation
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	539	532	-7	-1.3%
1.2%	517	516	0	-0.1%
2.5%	507	505	-2	-0.3%
3.7%	495	494	0	0.0%
4.9%	494	492	-2	-0.3%
6.2%	492	490	-2	-0.5%
7.4%	483	485	3	0.5%
8.6%	479	481	1	0.3%
9.9%	474	479	5	1.1%
11.1%	471	473	2	0.5%
12.3%	471	466	-5	-1.0%
13.6%	463	458	-5	-1.1%
14.8%	459	458	-1	-0.2%
16.0%	458	455	-4	-0.8%
17.3%	456	452	-4	-0.8%
18.5%	455	452	-4	-0.8%
19.8%	455	449	-6	-1.3%
21.0%	452	448	-3	-0.8%
22.2%	451	447	-5	-1.0%
23.5%	451	446	-5	-1.1%
24.7%	450	444	-7	-1.5%
25.9%	449	443	-6	-1.2%
27.2%	448	443	-4	-1.0%
28.4%	444	442	-2	-0.4%
29.6%	443	441	-2	-0.5%
30.9%	443	440	-3	-0.7%
32.1%	441	437	-5	-1.0%
33.3%	436	436	-1	-0.2%
34.6%	436	435	-1	-0.2%
35.8%	436	435	-1	-0.3%
37.0%	435	435	0	0.0%
38.3%	435	434	-1	-0.2%
39.5%	433	432	0	0.0%
40.7%	432	432	0	0.0%
42.0%	432	432	0	0.1%
43.2%	429	430	1	0.3%
44.4%	429	430	1	0.3%
45.7%	428	429	1	0.1%
46.9%	427	422	-5	-1.1%
48.1%	426	421	-5	-1.3%
49.4%	426	419	-7	-1.6%
50.6%	424	419	-5	-1.2%
51.9%	424	418	-6	-1.4%
53.1%	422	417	-4	-1.0%
54.3%	421	417	-4	-0.9%
55.6%	420	414	-6	-1.5%
56.8%	420	414	-6	-1.4%
58.0%	420	411	-9	-2.1%
59.3%	419	408	-10	-2.4%
60.5%	418	408	-10	-2.4%
61.7%	418	408	-10	-2.4%
63.0%	413	407	-6	-1.5%
64.2%	412	406	-6	-1.4%
65.4%	411	404	-7	-1.7%
66.7%	411	404	-7	-1.6%
67.9%	408	404	-4	-1.0%
69.1%	405	402	-2	-0.5%
70.4%	404	402	-2	-0.4%
71.6%	403	402	-2	-0.4%
72.8%	401	401	0	0.0%
74.1%	401	401	0	-0.1%
75.3%	399	400	0	0.1%
76.5%	399	396	-4	-0.9%
77.8%	398	394	-5	-1.2%
79.0%	395	393	-3	-0.6%
80.2%	395	389	-6	-1.6%
81.5%	391	388	-4	-0.9%
82.7%	391	387	-4	-1.1%
84.0%	388	385	-3	-0.7%
85.2%	388	384	-3	-0.9%
86.4%	387	384	-3	-0.8%
87.7%	386	383	-3	-0.9%
88.9%	386	380	-6	-1.6%
90.1%	383	379	-4	-1.1%
91.4%	382	378	-4	-1.1%
92.6%	379	377	-2	-0.5%
93.8%	376	372	-4	-1.0%
95.1%	372	368	-5	-1.3%
96.3%	372	360	-12	-3.1%
97.5%	370	360	-10	-2.8%
98.8%	365	349	-16	-4.4%
100.0%	362	348	-14	-3.9%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	528	521	-7	-1.4%
1.2%	484	484	0	0.0%
2.5%	483	477	-6	-1.3%
3.7%	479	476	-4	-0.8%
4.9%	475	472	-3	-0.6%
6.2%	462	464	2	0.4%
7.4%	459	459	1	0.1%
8.6%	454	453	-1	-0.3%
9.9%	452	452	0	0.0%
11.1%	450	448	-2	-0.4%
12.3%	447	447	0	0.1%
13.6%	447	447	0	0.0%
14.8%	446	445	-1	-0.2%
16.0%	446	445	-1	-0.3%
17.3%	444	440	-4	-0.9%
18.5%	443	439	-5	-1.0%
19.8%	443	437	-5	-1.2%
21.0%	440	436	-5	-1.1%
22.2%	439	434	-5	-1.1%
23.5%	439	434	-5	-1.2%
24.7%	435	432	-3	-0.7%
25.9%	431	431	0	-0.1%
27.2%	431	429	-2	-0.5%
28.4%	431	428	-3	-0.6%
29.6%	430	427	-3	-0.6%
30.9%	428	425	-2	-0.6%
32.1%	425	424	-1	-0.2%
33.3%	425	422	-3	-0.7%
34.6%	424	421	-3	-0.8%
35.8%	422	420	-1	-0.3%
37.0%	416	419	2	0.6%
38.3%	415	417	2	0.5%
39.5%	415	415	0	0.1%
40.7%	414	413	0	-0.1%
42.0%	413	410	-3	-0.7%
43.2%	408	408	0	0.1%
44.4%	407	408	0	0.0%
45.7%	407	405	-2	-0.4%
46.9%	407	405	-2	-0.4%
48.1%	407	404	-3	-0.7%
49.4%	406	403	-3	-0.7%
50.6%	406	403	-3	-0.7%
51.9%	405	402	-3	-0.8%
53.1%	405	401	-4	-0.9%
54.3%	404	401	-3	-0.8%
55.6%	402	400	-2	-0.5%
56.8%	402	400	-2	-0.5%
58.0%	400	399	-1	-0.2%
59.3%	399	397	-2	-0.5%
60.5%	398	397	-2	-0.4%
61.7%	398	397	-1	-0.3%
63.0%	395	396	2	0.4%
64.2%	395	395	0	0.1%
65.4%	394	392	-2	-0.4%
66.7%	394	391	-3	-0.8%
67.9%	392	388	-4	-1.0%
69.1%	390	386	-4	-1.0%
70.4%	388	385	-3	-0.7%
71.6%	386	384	-3	-0.7%
72.8%	386	383	-4	-0.9%
74.1%	385	382	-3	-0.8%
75.3%	385	382	-3	-0.8%
76.5%	385	380	-5	-1.2%
77.8%	383	379	-3	-0.9%
79.0%	382	377	-5	-1.3%
80.2%	381	376	-4	-1.2%
81.5%	380	375	-5	-1.2%
82.7%	379	374	-5	-1.4%
84.0%	378	373	-5	-1.3%
85.2%	376	366	-10	-2.5%
86.4%	375	366	-10	-2.5%
87.7%	370	362	-8	-2.3%
88.9%	366	361	-4	-1.2%
90.1%	365	361	-5	-1.3%
91.4%	365	357	-8	-2.2%
92.6%	358	357	-1	-0.3%
93.8%	354	356	2	0.6%
95.1%	354	347	-7	-1.9%
96.3%	351	347	-4	-1.1%
97.5%	350	347	-4	-1.0%
98.8%	348	346	-1	-0.4%
100.0%	344	340	-5	-1.3%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	512	504	-8	-1.5%
1.2%	471	471	0	0.1%
2.5%	452	449	-2	-0.6%
3.7%	449	449	0	0.1%
4.9%	448	449	1	0.1%
6.2%	447	445	-1	-0.3%
7.4%	443	440	-3	-0.7%
8.6%	438	438	-1	-0.2%
9.9%	437	433	-4	-0.9%
11.1%	436	432	-4	-1.0%
12.3%	435	431	-4	-0.8%
13.6%	431	429	-2	-0.5%
14.8%	430	429	-1	-0.3%
16.0%	430	428	-2	-0.5%
17.3%	426	428	2	0.4%
18.5%	426	427	1	0.2%
19.8%	426	427	1	0.3%
21.0%	424	424	0	0.0%
22.2%	423	424	0	0.1%
23.5%	420	422	3	0.6%
24.7%	417	422	4	1.1%
25.9%	414	420	6	1.5%
27.2%	413	416	4	0.9%
28.4%	412	416	3	0.8%
29.6%	412	413	1	0.3%
30.9%	410	412	2	0.4%
32.1%	407	411	4	1.0%
33.3%	403	404	1	0.1%
34.6%	402	403	1	0.2%
35.8%	400	403	3	0.6%
37.0%	400	403	2	0.6%
38.3%	399	403	3	0.9%
39.5%	399	402	3	0.9%
40.7%	395	401	6	1.4%
42.0%	395	398	3	0.7%
43.2%	395	397	3	0.7%
44.4%	394	394	1	0.1%
45.7%	391	394	4	0.9%
46.9%	391	390	-1	-0.2%
48.1%	390	389	0	-0.1%
49.4%	389	388	-1	-0.2%
50.6%	388	387	-1	-0.1%
51.9%	387	385	-2	-0.5%
53.1%	386	385	-1	-0.2%
54.3%	385	384	-1	-0.3%
55.6%	385	383	-2	-0.5%
56.8%	382	382	0	0.0%
58.0%	381	381	0	0.0%
59.3%	378	380	1	0.3%
60.5%	378	379	1	0.3%
61.7%	378	379	0	0.1%
63.0%	378	377	-1	-0.2%
64.2%	378	375	-3	-0.8%
65.4%	377	374	-3	-0.8%
66.7%	377	374	-3	-0.7%
67.9%	376	374	-3	-0.7%
69.1%	376	374	-2	-0.5%
70.4%	374	374	0	-0.1%
71.6%	373	372	-1	-0.2%
72.8%	370	370	0	-0.1%
74.1%	370	367	-3	-0.8%
75.3%	369	365	-4	-1.2%
76.5%	365	365	0	-0.1%
77.8%	361	363	2	0.7%
79.0%	361	362	2	0.4%
80.2%	360	362	2	0.5%
81.5%	358	360	2	0.6%
82.7%	355	359	4	1.0%
84.0%	354	358	4	1.0%
85.2%	354	354	0	0.1%
86.4%	352	351	-1	-0.3%
87.7%	349	351	2	0.5%
88.9%	348	350	2	0.5%
90.1%	347	348	1	0.3%
91.4%	347	344	-3	-0.7%
92.6%	346	341	-6	-1.7%
93.8%	345	339	-6	-1.6%
95.1%	341	339	-2	-0.7%
96.3%	341	337	-3	-1.0%
97.5%	337	331	-7	-1.9%
98.8%	331	331	0	0.0%
100.0%	331	331	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	518	510	-8	-1.6%
1.2%	439	455	16	3.6%
2.5%	436	446	10	2.3%
3.7%	436	441	5	1.3%
4.9%	434	435	1	0.3%
6.2%	432	435	3	0.7%
7.4%	427	433	5	1.2%
8.6%	426	432	5	1.3%
9.9%	426	431	5	1.2%
11.1%	422	430	7	1.7%
12.3%	420	429	9	2.1%
13.6%	417	427	9	2.3%
14.8%	417	423	6	1.5%
16.0%	417	423	6	1.5%
17.3%	417	421	4	1.0%
18.5%	413	417	5	1.1%
19.8%	408	417	9	2.3%
21.0%	408	416	8	2.0%
22.2%	407	415	8	1.9%
23.5%	406	414	9	2.1%
24.7%	404	413	9	2.3%
25.9%	402	413	11	2.7%
27.2%	398	412	14	3.6%
28.4%	396	408	12	2.9%
29.6%	396	408	12	2.9%
30.9%	396	405	10	2.5%
32.1%	394	404	10	2.5%
33.3%	394	404	10	2.6%
34.6%	394	404	10	2.5%
35.8%	394	401	7	1.9%
37.0%	394	399	5	1.4%
38.3%	393	398	4	1.1%
39.5%	392	396	4	1.1%
40.7%	392	394	3	0.7%
42.0%	391	394	3	0.7%
43.2%	391	394	3	0.7%
44.4%	390	393	3	0.7%
45.7%	390	391	1	0.4%
46.9%	389	391	2	0.4%
48.1%	389	391	2	0.4%
49.4%	389	390	2	0.4%
50.6%	388	390	2	0.5%
51.9%	388	390	2	0.5%
53.1%	387	389	2	0.5%
54.3%	387	389	2	0.6%
55.6%	386	389	2	0.6%
56.8%	386	389	2	0.6%
58.0%	386	388	2	0.4%
59.3%	386	387	1	0.4%
60.5%	386	387	1	0.3%
61.7%	385	387	1	0.3%
63.0%	385	386	1	0.3%
64.2%	385	385	1	0.1%
65.4%	384	385	2	0.4%
66.7%	383	385	2	0.5%
67.9%	383	384	1	0.3%
69.1%	383	384	1	0.3%
70.4%	380	384	3	0.9%
71.6%	379	383	4	1.0%
72.8%	376	382	6	1.6%
74.1%	374	381	7	1.8%
75.3%	372	381	9	2.3%
76.5%	371	379	8	2.1%
77.8%	370	378	9	2.4%
79.0%	370	377	7	1.9%
80.2%	369	376	7	1.9%
81.5%	368	373	6	1.5%
82.7%	366	372	5	1.5%
84.0%	366	370	4	1.1%
85.2%	366	368	2	0.7%
86.4%	366	363	-3	-0.7%
87.7%	363	362	-2	-0.4%
88.9%	362	361	-1	-0.2%
90.1%	354	360	6	1.7%
91.4%	353	357	4	1.3%
92.6%	351	357	7	1.9%
93.8%	346	353	6	1.9%
95.1%	340	348	8	2.2%
96.3%	339	345	5	1.6%
97.5%	338	340	1	0.4%
98.8%	334	337	3	1.0%
100.0%	331	332	2	0.5%

Figure SW-43-b
San Luis Reservoir (SWP and CVP), End of Month Area
Probability of Exceedance

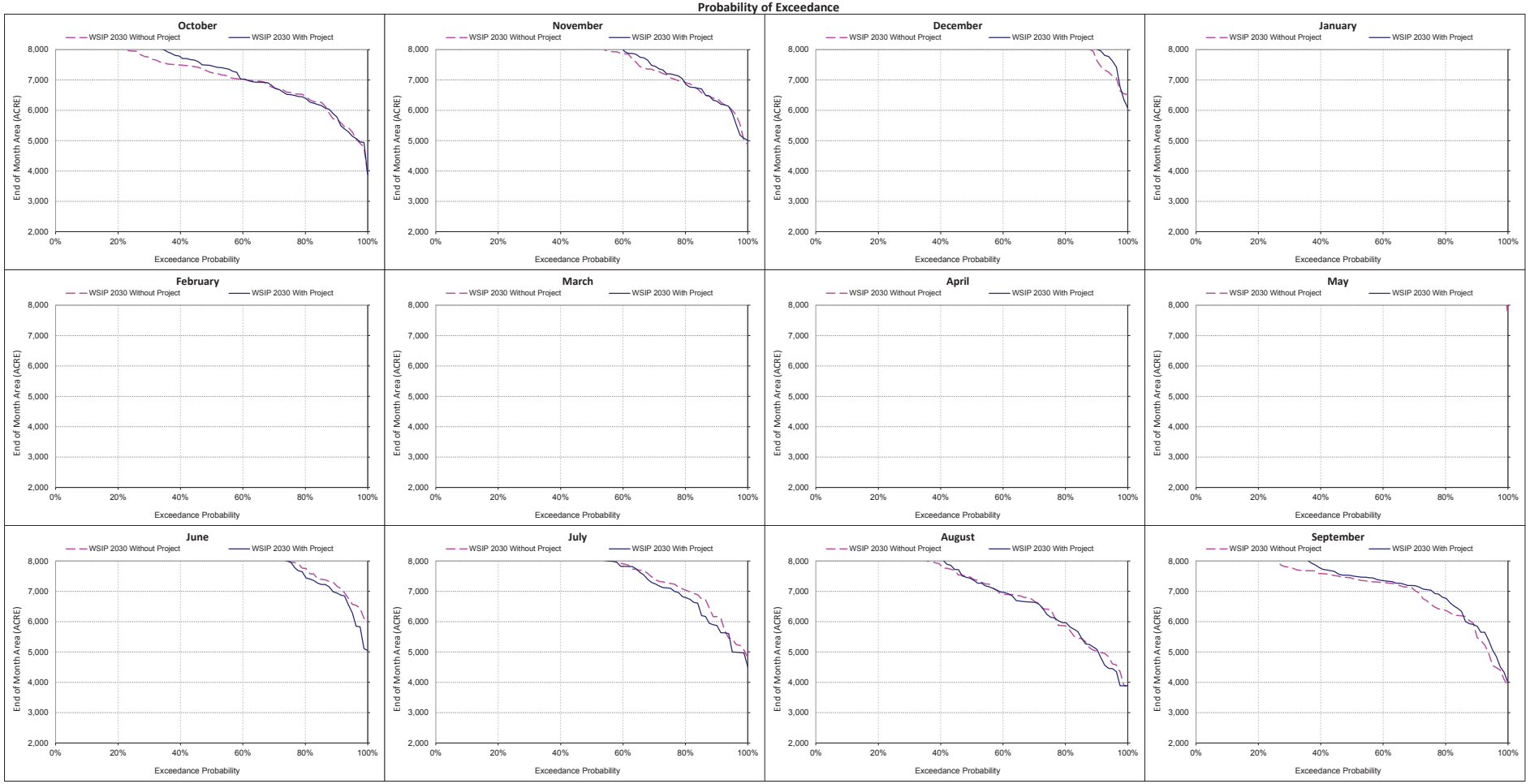


Table SW-43-b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,130	11,840	-290	-2.4%
1.2%	10,060	10,240	180	1.8%
2.5%	9,870	10,098	228	2.3%
3.7%	9,642	10,023	380	3.9%
4.9%	9,596	10,008	412	4.3%
6.2%	9,230	9,752	521	5.6%
7.4%	9,118	9,734	616	6.8%
8.6%	9,013	9,647	635	7.0%
9.9%	8,856	9,247	391	4.4%
11.1%	8,805	9,115	310	3.5%
12.3%	8,778	9,103	326	3.7%
13.6%	8,753	9,054	302	3.4%
14.8%	8,685	8,954	269	3.1%
16.0%	8,594	8,849	254	3.0%
17.3%	8,587	8,810	224	2.6%
18.5%	8,506	8,797	290	3.4%
19.8%	8,139	8,761	621	7.6%
21.0%	8,087	8,742	655	8.1%
22.2%	8,012	8,652	640	8.0%
23.5%	7,964	8,630	666	8.4%
24.7%	7,953	8,601	649	8.2%
25.9%	7,948	8,488	540	6.8%
27.2%	7,837	8,397	560	7.1%
28.4%	7,777	8,353	576	7.4%
29.6%	7,756	8,324	567	7.3%
30.9%	7,682	8,134	453	5.9%
32.1%	7,662	8,087	425	5.5%
33.3%	7,597	8,019	422	5.6%
34.6%	7,580	8,003	423	5.6%
35.8%	7,527	7,933	405	5.4%
37.0%	7,517	7,873	357	4.7%
38.3%	7,506	7,812	306	4.1%
39.5%	7,497	7,791	294	3.9%
40.7%	7,486	7,710	225	3.0%
42.0%	7,473	7,707	234	3.1%
43.2%	7,466	7,669	203	2.7%
44.4%	7,439	7,657	218	2.9%
45.7%	7,421	7,603	182	2.5%
46.9%	7,375	7,504	130	1.8%
48.1%	7,313	7,491	179	2.4%
49.4%	7,257	7,488	231	3.2%
50.6%	7,223	7,452	229	3.2%
51.9%	7,213	7,417	204	2.8%
53.1%	7,167	7,403	236	3.3%
54.3%	7,155	7,378	223	3.1%
55.6%	7,089	7,351	262	3.7%
56.8%	7,053	7,289	236	3.4%
58.0%	7,042	7,256	214	3.0%
59.3%	7,017	7,034	17	0.2%
60.5%	7,009	7,027	18	0.3%
61.7%	6,998	6,981	-18	-0.3%
63.0%	6,981	6,942	-39	-0.6%
64.2%	6,960	6,930	-30	-0.4%
65.4%	6,958	6,923	-35	-0.5%
66.7%	6,939	6,922	-17	-0.2%
67.9%	6,856	6,912	56	0.8%
69.1%	6,771	6,821	50	0.7%
70.4%	6,726	6,719	-7	-0.1%
71.6%	6,683	6,690	7	0.1%
72.8%	6,673	6,600	-73	-1.1%
74.1%	6,597	6,522	-76	-1.1%
75.3%	6,587	6,520	-67	-1.0%
76.5%	6,538	6,494	-44	-0.7%
77.8%	6,537	6,457	-80	-1.2%
79.0%	6,529	6,452	-77	-1.2%
80.2%	6,451	6,387	-64	-1.0%
81.5%	6,344	6,267	-78	-1.2%
82.7%	6,288	6,231	-57	-0.9%
84.0%	6,267	6,195	-72	-1.1%
85.2%	6,263	6,155	-108	-1.7%
86.4%	6,127	6,070	-57	-0.9%
87.7%	5,900	6,038	138	2.3%
88.9%	5,720	5,893	174	3.0%
90.1%	5,707	5,778	71	1.2%
91.4%	5,593	5,492	-101	-1.8%
92.6%	5,453	5,386	-66	-1.2%
93.8%	5,426	5,295	-131	-2.4%
95.1%	5,288	5,147	-141	-2.7%
96.3%	5,042	5,065	23	0.5%
97.5%	4,917	4,957	40	0.8%
98.8%	4,793	4,942	149	3.1%
100.0%	3,889	3,889	0	0.0%

November				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,528	12,452	-76	-0.6%
1.2%	11,049	11,427	378	3.4%
2.5%	10,709	11,111	402	3.8%
3.7%	10,376	10,883	507	4.9%
4.9%	10,206	10,621	414	4.1%
6.2%	10,160	10,575	415	4.1%
7.4%	10,147	10,551	404	4.0%
8.6%	9,806	10,469	663	6.8%
9.9%	9,789	10,278	490	5.0%
11.1%	9,689	10,173	484	5.0%
12.3%	9,668	10,019	351	3.6%
13.6%	9,499	9,784	285	3.0%
14.8%	9,473	9,760	287	3.0%
16.0%	9,396	9,579	183	1.9%
17.3%	9,368	9,521	153	1.6%
18.5%	9,197	9,474	277	3.0%
19.8%	9,156	9,420	263	2.9%
21.0%	9,153	9,369	216	2.4%
22.2%	9,033	9,355	322	3.6%
23.5%	8,939	9,220	281	3.1%
24.7%	8,936	9,176	240	2.7%
25.9%	8,872	9,127	255	2.9%
27.2%	8,847	9,115	268	3.0%
28.4%	8,767	9,095	328	3.7%
29.6%	8,746	9,093	347	4.0%
30.9%	8,702	9,062	360	4.1%
32.1%	8,671	9,022	351	4.0%
33.3%	8,662	9,013	352	4.1%
34.6%	8,631	8,833	203	2.3%
35.8%	8,623	8,796	172	2.0%
37.0%	8,539	8,744	204	2.4%
38.3%	8,525	8,690	165	1.9%
39.5%	8,503	8,628	126	1.5%
40.7%	8,485	8,623	138	1.6%
42.0%	8,366	8,618	253	3.0%
43.2%	8,265	8,610	345	4.2%
44.4%	8,256	8,533	277	3.4%
45.7%	8,229	8,513	285	3.5%
46.9%	8,225	8,484	259	3.1%
48.1%	8,191	8,424	233	2.8%
49.4%	8,159	8,385	226	2.8%
50.6%	8,141	8,383	242	3.0%
51.9%	8,106	8,367	261	3.2%
53.1%	8,093	8,271	178	2.2%
54.3%	7,979	8,194	215	2.7%
55.6%	7,947	8,176	229	2.9%
56.8%	7,932	8,163	231	2.9%
58.0%	7,928	8,151	223	2.8%
59.3%	7,884	8,150	266	3.4%
60.5%	7,863	7,934	71	0.9%
61.7%	7,856	7,878	22	0.3%
63.0%	7,692	7,878	185	2.4%
64.2%	7,586	7,847	261	3.4%
65.4%	7,440	7,749	308	4.1%
66.7%	7,400	7,728	328	4.4%
67.9%	7,357	7,655	298	4.0%
69.1%	7,357	7,487	130	1.8%
70.4%	7,294	7,446	152	2.1%
71.6%	7,275	7,365	89	1.2%
72.8%	7,210	7,329	119	1.7%
74.1%	7,170	7,198	28	0.4%
75.3%	7,066	7,197	131	1.8%
76.5%	7,025	7,164	140	2.0%
77.8%	6,976	7,132	157	2.2%
79.0%	6,965	7,043	78	1.1%
80.2%	6,907	6,852	-54	-0.8%
81.5%	6,875	6,767	-108	-1.6%
82.7%	6,767	6,755	-12	-0.2%
84.0%	6,702	6,729	28	0.4%
85.2%	6,576	6,701	124	1.9%
86.4%	6,488	6,499	11	0.2%
87.7%	6,471	6,477	6	0.1%
88.9%	6,399	6,339	-59	-0.9%
90.1%	6,398	6,302	-96	-1.5%
91.4%	6,271	6,201	-70	-1.1%
92.6%	6,171	6,185	14	0.2%
93.8%	6,133	6,131	-2	0.0%
95.1%	5,996	5,905	-90	-1.5%
96.3%	5,843	5,531	-312	-5.3%
97.5%	5,527	5,183	-344	-6.2%
98.8%	5,001	5,077	77	1.5%
100.0%	4,875	5,013	138	2.8%

December				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,166	12,153	-13	-0.1%
2.5%	11,699	12,077	378	3.2%
3.7%	11,571	12,025	455	3.9%
4.9%	11,542	11,868	325	2.8%
6.2%	11,536	11,750	213	1.8%
7.4%	11,343	11,701	359	3.2%
8.6%	11,239	11,584	345	3.1%
9.9%	11,100	11,514	414	3.7%
11.1%	10,653	11,328	676	6.3%
12.3%	10,630	10,889	259	2.4%
13.6%	10,424	10,733	309	3.0%
14.8%	10,419	10,521	102	1.0%
16.0%	10,226	10,496	270	2.6%
17.3%	10,208	10,416	209	2.0%
18.5%	10,192	10,343	151	1.5%
19.8%	10,153	10,203	50	0.5%
21.0%	10,151	10,175	24	0.2%
22.2%	10,132	10,158	25	0.2%
23.5%	9,987	10,099	112	1.1%
24.7%	9,979	10,078	99	1.0%
25.9%	9,975	10,068	93	0.9%
27.2%	9,912	10,000	88	0.9%
28.4%	9,842	10,000	158	1.6%
29.6%	9,809	9,906	97	1.0%
30.9%	9,792	9,901	109	1.1%
32.1%	9,760	9,893	133	1.4%
33.3%	9,760	9,865	106	1.1%
34.6%	9,747	9,856	109	1.1%
35.8%	9,711	9,847	136	1.4%
37.0%	9,703	9,791	88	0.9%
38.3%	9,647	9,781	134	1.4%
39.5%	9,631	9,770	139	1.4%
40.7%	9,587	9,754	167	1.7%
42.0%	9,562	9,701	139	1.5%
43.2%	9,554	9,663	109	1.1%
44.4%	9,537	9,625	88	0.9%
45.7%	9,511	9,533	22	0.2%
46.9%	9,507	9,532	25	0.3%
48.1%	9,496	9,505	9	0.1%
49.4%	9,422	9,447	25	0.3%
50.6%	9,357	9,342	-15	-0.2%
51.9%	9,305	9,341	36	0.4%
53.1%	9,187	9,300	113	1.2%
54.3%	9,180	9,297	117	1.3%
55.6%	9,157	9,195	38	0.4%
56.8%	9,137	9,169	32	0.4%
58.0%	9,093	9,149	55	0.6%
59.3%	9,071	9,136	65	0.7%
60.5%	8,935	9,091	156	1.7%
61.7%	8,932	9,052	121	1.3%
63.0%	8,894	9,008	113	1.3%
64.2%	8,872	8,961	89	1.0%
65.4%	8,841	8,936	95	1.1%
66.7%	8,831	8,934	103	1.2%
67.9%	8,788	8,870	82	0.9%
69.1%	8,786	8,867	81	0.9%
70.4%	8,783	8,857	74	0.8%
71.6%	8,766	8,828	62	0.7%
72.8%	8,718	8,817	98	1.1%
74.1%	8,709	8,695	-14	-0.2%
75.3%	8,602	8,669	67	0.8%
76.5%	8,599	8,647	48	0.6%
77.8%	8,563	8,548	-15	-0.2%
79.0%	8,480	8,510	30	0.4%
80.2%	8,373	8,448	75	0.9%
81.5%	8,298	8,426	128	1.5%
82.7%	8,287	8,345	57	0.7%
84.0%	8,117	8,199	82	1.0%
85.2%	8,073	8,169	95	1.2%
86.4%	8,064	8,150	87	1.1%
87.7%	8,010	8,104	94	1.2%
88.9%	7,947	8,049	103	1.3%
90.1%	7,629	8,018	389	5.1%
91.4%	7,447	7,957	510	6.8%
92.6%	7,329	7,805	476	6.5%
93.8%	7,261	7,774	514	7.1%
95.1%	7,133	7,625	491	6.9%
96.3%	7,077	7,424	347	4.9%
97.5%	6,640	6,773	134	2.0%
98.8%	6,542	6,345	-198	-3.0%
100.0%	6,523	6,072	-451	-6.9%

January				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,664	12,666	2	0.0%
3.7%	12,664	12,658	-6	0.0%
4.9%	12,228	12,628	400	3.3%
6.2%	12,200	12,519	319	2.6%
7.4%	12,069	12,436	367	3.0%
8.6%	12,005	12,330	325	2.7%
9.9%	11,881	12,213	332	2.8%
11.1%	11,842	12,030	188	1.6%
12.3%	11,711	11,803	92	0.8%
13.6%	11,642	11,787	145	1.2%
14.8%	11,480	11,636	156	1.4%
16.0%	11,337	11,492	155	1.4%
17.3%	11,314	11,354	40	0.4%
18.5%	11,152	11,287	135	1.2%
19.8%	11,120	11,206	87	0.8%
21.0%	11,118	11,064	-54	-0.5%
22.2%	11,068	11,047	-21	-0.2%
23.5%	10,975	11,004	28	0.3%
24.7%	10,916	10,987	71	0.7%
25.9%	10,891	10,987	95	0.9%
27.2%	10,866	10,969	103	0.9%
28.4%	10,850	10,926	77	0.7%
29.6%	10,791	10,895	103	1.0%
30.9%	10,761	10,884	123	1.1%
32.1%	10,703	10,878	174	1.6%
33.3%	10,687	10,827	141	1.3%
34.6%	10,650	10,792	142	1.3%
35.8%	10,643	10,770	127	1.2%
37.0%	10,559	10,721	163	1.5%
38.3%	10,550	10,662	112	1.1%
39.5%	10,542	10,659	117	1.1%
40.7%	10,542	10,639	97	0.9%
42.0%	10,522	10,565	43	0.4%
43.2%	10,508	10,563	56	0.5%
44.4%	10,451	10,531	81	0.8%
45.7%	10,395	10,513	118	1.1%
46.9%	10,370	10,506	135	1.3%
48.1%	10,370	10,445	75	0.7%
49.4%	10,301	10,367	66	0.6%
50.6%	10,288	10,339	51	0.5%
51.9%	10,286	10,254	-33	-0.3%
53.1%	10,227	10,228	1	0.0%
54.3%	10,161	10,222	61	0.6%
55.6%	10,087	10,137	51	0.5%
56.8%	10,079	10,136	57	0.6%
58.0%	10,067	10,135	67	0.7%
59.3%	9,939	10,130	191	1.9%
60.5%	9,925	10,032	107	1.1%
61.7%	9,890	10,024	134	1.4%
63.0%	9,874	9,956	82	0.8%
64.2%	9,872	9,880	9	0.1%
65.4%	9,861	9,875	14	0.1%
66.7%	9,847	9,856	9	0.1%
67.9%	9,837	9,843	6	0.1%
69.1%	9,817	9,732	-85	-0.9%
70.4%	9,814	9,732	-82	-0.8%
71.6%	9,795	9,726	-69	-0.7%
72.8%	9,770	9,720	-50	-0.5%
74.1%	9,745	9,689	-56	-0.6%
75.3%	9,709	9,620	-89	-0.9%
76.5%	9,674	9,614	-61	-0.6%
77.8%	9,660	9,588	-72	-0.7%
79.0%	9,595	9,568	-26	-0.3%
80.2%	9,497	9,563	66	0.7%
81.5%	9,458	9,558	99	1.1%
82.7%	9,433	9,554	121	1.3%
84.0%	9,423	9,494	71	0.8%
85.2%	9,352	9,467	115	1.2%
86.4%	9,318	9,422	104	1.1%
87.7%	9,305	9,410	106	1.1%
88.9%	9,131	9,268	137	1.5%
90.1%	9,127	9,240	113	1.2%
91.4%	9,001	9,164	164	1.8%
92.6%	8,863	9,140	277	3.1%
93.8%	8,825	9,138	313	3.5%
95.1%	8,819	9,029	210	2.4%
96.3%	8,761	8,974	213	2.4%
97.5%	8,715	8,718	3	0.0%
98.8%	8,564	8,697	133	1.6%
100.0%	8,049	8,091	42	0.5%

Table SW-43-b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,696	12,696	0	0.0%
4.9%	12,696	12,696	0	0.0%
6.2%	12,696	12,696	0	0.0%
7.4%	12,696	12,696	0	0.0%
8.6%	12,543	12,696	152	1.2%
9.9%	12,440	12,696	255	2.1%
11.1%	12,387	12,696	308	2.5%
12.3%	12,363	12,609	246	2.0%
13.6%	12,318	12,475	156	1.3%
14.8%	12,304	12,380	77	0.6%
16.0%	12,272	12,344	72	0.6%
17.3%	12,259	12,254	-6	0.0%
18.5%	12,238	12,233	-5	0.0%
19.8%	12,150	12,197	47	0.4%
21.0%	12,100	12,160	60	0.5%
22.2%	12,088	12,039	-49	-0.4%
23.5%	12,049	11,895	-154	-1.3%
24.7%	12,003	11,803	-200	-1.7%
25.9%	11,738	11,732	-6	-0.1%
27.2%	11,697	11,716	19	0.2%
28.4%	11,660	11,683	23	0.2%
29.6%	11,642	11,674	32	0.3%
30.9%	11,557	11,544	-13	-0.1%
32.1%	11,546	11,526	-19	-0.2%
33.3%	11,527	11,525	-1	0.0%
34.6%	11,482	11,487	5	0.0%
35.8%	11,476	11,456	-20	-0.2%
37.0%	11,431	11,422	-9	-0.1%
38.3%	11,405	11,323	-81	-0.7%
39.5%	11,399	11,301	-98	-0.9%
40.7%	11,311	11,279	-32	-0.3%
42.0%	11,276	11,191	-84	-0.7%
43.2%	11,224	11,161	-62	-0.6%
44.4%	11,191	11,137	-55	-0.5%
45.7%	11,153	11,130	-23	-0.2%
46.9%	11,135	11,126	-9	-0.1%
48.1%	11,112	11,097	-15	-0.1%
49.4%	11,095	11,087	-8	-0.1%
50.6%	11,045	11,050	5	0.0%
51.9%	11,023	11,050	27	0.2%
53.1%	10,992	11,005	13	0.1%
54.3%	10,951	10,967	17	0.2%
55.6%	10,904	10,927	23	0.2%
56.8%	10,887	10,919	32	0.3%
58.0%	10,846	10,907	61	0.6%
59.3%	10,785	10,903	118	1.1%
60.5%	10,687	10,865	179	1.7%
61.7%	10,672	10,846	174	1.6%
63.0%	10,645	10,834	189	1.8%
64.2%	10,622	10,647	25	0.2%
65.4%	10,622	10,625	3	0.0%
66.7%	10,551	10,424	-128	-1.2%
67.9%	10,533	10,386	-147	-1.4%
69.1%	10,483	10,340	-143	-1.4%
70.4%	10,483	10,325	-158	-1.5%
71.6%	10,469	10,294	-175	-1.7%
72.8%	10,415	10,239	-176	-1.7%
74.1%	10,375	10,211	-164	-1.6%
75.3%	10,348	10,151	-197	-1.9%
76.5%	10,228	10,148	-80	-0.8%
77.8%	10,186	10,120	-66	-0.6%
79.0%	10,154	10,080	-74	-0.7%
80.2%	10,127	10,079	-47	-0.5%
81.5%	10,012	10,056	44	0.4%
82.7%	9,999	10,049	50	0.5%
84.0%	9,930	10,026	96	1.0%
85.2%	9,912	9,990	78	0.8%
86.4%	9,910	9,976	67	0.7%
87.7%	9,807	9,960	153	1.6%
88.9%	9,699	9,910	211	2.2%
90.1%	9,648	9,870	221	2.3%
91.4%	9,411	9,818	407	4.3%
92.6%	9,378	9,705	326	3.5%
93.8%	9,279	9,659	380	4.1%
95.1%	9,191	9,642	451	4.9%
96.3%	9,116	9,300	184	2.0%
97.5%	9,052	9,275	223	2.5%
98.8%	8,934	9,250	316	3.5%
100.0%	8,351	9,108	757	9.1%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,696	12,696	0	0.0%
4.9%	12,696	12,696	0	0.0%
6.2%	12,696	12,696	0	0.0%
7.4%	12,696	12,696	0	0.0%
8.6%	12,696	12,696	0	0.0%
9.9%	12,696	12,696	0	0.0%
11.1%	12,696	12,696	0	0.0%
12.3%	12,696	12,696	0	0.0%
13.6%	12,696	12,696	0	0.0%
14.8%	12,696	12,696	0	0.0%
16.0%	12,696	12,696	0	0.0%
17.3%	12,696	12,696	0	0.0%
18.5%	12,691	12,696	5	0.0%
19.8%	12,665	12,696	31	0.2%
21.0%	12,649	12,687	38	0.3%
22.2%	12,636	12,594	-42	-0.3%
23.5%	12,577	12,466	-111	-0.9%
24.7%	12,501	12,464	-38	-0.3%
25.9%	12,434	12,431	-4	0.0%
27.2%	12,397	12,418	22	0.2%
28.4%	12,360	12,347	-13	-0.1%
29.6%	12,322	12,323	0	0.0%
30.9%	12,302	12,257	-45	-0.4%
32.1%	12,271	12,215	-55	-0.5%
33.3%	12,242	12,197	-44	-0.4%
34.6%	12,201	12,173	-27	-0.2%
35.8%	12,200	12,165	-35	-0.3%
37.0%	12,107	12,091	-16	-0.1%
38.3%	12,106	11,997	-109	-0.9%
39.5%	12,068	11,985	-83	-0.7%
40.7%	12,048	11,978	-70	-0.6%
42.0%	12,005	11,924	-81	-0.7%
43.2%	12,003	11,828	-175	-1.5%
44.4%	11,913	11,784	-129	-1.1%
45.7%	11,812	11,760	-52	-0.4%
46.9%	11,784	11,738	-46	-0.4%
48.1%	11,736	11,719	-16	-0.1%
49.4%	11,719	11,665	-55	-0.5%
50.6%	11,700	11,655	-45	-0.4%
51.9%	11,588	11,623	35	0.3%
53.1%	11,482	11,575	93	0.8%
54.3%	11,470	11,565	95	0.8%
55.6%	11,469	11,506	36	0.3%
56.8%	11,452	11,502	51	0.4%
58.0%	11,438	11,494	56	0.5%
59.3%	11,403	11,478	75	0.7%
60.5%	11,370	11,465	94	0.8%
61.7%	11,343	11,272	-72	-0.6%
63.0%	11,255	11,195	-60	-0.5%
64.2%	11,083	11,145	62	0.6%
65.4%	11,079	11,129	50	0.5%
66.7%	11,009	11,038	28	0.3%
67.9%	10,973	10,997	24	0.2%
69.1%	10,972	10,933	-38	-0.4%
70.4%	10,955	10,922	-33	-0.3%
71.6%	10,899	10,899	1	0.0%
72.8%	10,809	10,828	19	0.2%
74.1%	10,806	10,806	1	0.0%
75.3%	10,791	10,786	-5	0.0%
76.5%	10,767	10,732	-35	-0.3%
77.8%	10,762	10,731	-30	-0.3%
79.0%	10,758	10,680	-78	-0.7%
80.2%	10,752	10,658	-94	-0.9%
81.5%	10,709	10,606	-103	-1.0%
82.7%	10,649	10,560	-89	-0.8%
84.0%	10,613	10,547	-66	-0.6%
85.2%	10,552	10,540	-12	-0.1%
86.4%	10,384	10,503	119	1.1%
87.7%	10,340	10,443	103	1.0%
88.9%	10,246	10,340	95	0.9%
90.1%	10,106	10,285	178	1.8%
91.4%	10,103	10,224	121	1.2%
92.6%	10,059	10,202	143	1.4%
93.8%	10,011	10,110	99	1.0%
95.1%	9,862	10,103	241	2.4%
96.3%	9,827	9,998	171	1.7%
97.5%	9,777	9,981	203	2.1%
98.8%	9,442	9,948	506	5.4%
100.0%	8,352	9,484	1,132	13.5%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,617	-78	-0.6%
3.7%	12,630	12,551	-79	-0.6%
4.9%	12,443	12,450	7	0.1%
6.2%	12,436	12,436	0	0.0%
7.4%	12,383	12,402	19	0.2%
8.6%	12,363	12,377	13	0.1%
9.9%	12,349	12,361	12	0.1%
11.1%	12,331	12,324	-8	-0.1%
12.3%	12,211	12,317	106	0.9%
13.6%	12,183	12,209	26	0.2%
14.8%	12,174	12,156	-18	-0.1%
16.0%	12,163	12,146	-17	-0.1%
17.3%	12,139	12,144	5	0.0%
18.5%	12,138	12,141	3	0.0%
19.8%	12,134	12,138	3	0.0%
21.0%	12,098	12,133	35	0.3%
22.2%	12,084	12,132	48	0.4%
23.5%	12,081	12,128	48	0.4%
24.7%	12,061	12,090	29	0.2%
25.9%	12,046	12,004	-42	-0.3%
27.2%	11,986	11,972	-15	-0.1%
28.4%	11,968	11,897	-71	-0.6%
29.6%	11,918	11,849	-69	-0.6%
30.9%	11,914	11,791	-123	-1.0%
32.1%	11,829	11,701	-128	-1.1%
33.3%	11,728	11,648	-80	-0.7%
34.6%	11,724	11,626	-98	-0.8%
35.8%	11,657	11,591	-66	-0.6%
37.0%	11,612	11,552	-59	-0.5%
38.3%	11,600	11,540	-60	-0.5%
39.5%	11,588	11,534	-54	-0.5%
40.7%	11,577	11,483	-94	-0.8%
42.0%	11,569	11,478	-92	-0.8%
43.2%	11,470	11,409	-61	-0.5%
44.4%	11,468	11,402	-67	-0.6%
45.7%	11,468	11,384	-84	-0.7%
46.9%	11,440	11,287	-153	-1.3%
48.1%	11,410	11,262	-148	-1.3%
49.4%	11,347	11,238	-109	-1.0%
50.6%	11,302	11,215	-87	-0.8%
51.9%	11,270	11,195	-75	-0.7%
53.1%	11,115	11,136	21	0.2%
54.3%	11,086	11,131	45	0.4%
55.6%	11,084	11,060	-25	-0.2%
56.8%	11,057	11,053	-5	0.0%
58.0%	10,988	11,031	43	0.4%
59.3%	10,927	10,968	41	0.4%
60.5%	10,842	10,925	83	0.8%
61.7%	10,824	10,865	41	0.4%
63.0%	10,799	10,836	37	0.3%
64.2%	10,767	10,834	68	0.6%
65.4%	10,761	10,692	-69	-0.6%
66.7%	10,612	10,632	21	0.2%
67.9%	10,582	10,628	46	0.4%
69.1%	10,560	10,526	-35	-0.3%
70.4%	10,540	10,518	-22	-0.2%
71.6%	10,492	10,517	25	0.2%
72.8%	10,459	10,420	-39	-0.4%
74.1%	10,453	10,384	-69	-0.7%
75.3%	10,396	10,378	-18	-0.2%
76.5%	10,363	10,363	1	0.0%
77.8%	10,337	10,303	-34	-0.3%
79.0%	10,266	10,268	2	0.0%
80.2%	10,248	10,262	14	0.1%
81.5%	10,236	10,245	9	0.1%
82.7%	10,225	10,150	-75	-0.7%
84.0%	10,205	10,123	-82	-0.8%
85.2%	10,183	10,076	-107	-1.1%
86.4%	10,176	10,073	-103	-1.0%
87.7%	9,999	10,036	37	0.4%
88.9%	9,982	9,956	-26	-0.3%
90.1%	9,907	9,908	1	0.0%
91.4%	9,899	9,899	1	0.0%
92.6%	9,806	9,893	88	0.9%
93.8%	9,805	9,866	60	0.6%
95.1%	9,691	9,799	107	1.1%
96.3%	9,542	9,767	225	2.4%
97.5%	9,533	9,695	163	1.7%
98.8%	9,314	9,633	320	3.4%
100.0%	8,093	9,346	1,253	15.5%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,631	12,626	-5	0.0%
2.5%	12,349	12,327	-22	-0.2%
3.7%	12,162	12,116	-46	-0.4%
4.9%	12,046	12,114	68	0.6%
6.2%	12,030	12,023	-7	-0.1%
7.4%	11,816	11,926	110	0.9%
8.6%	11,787	11,773	-14	-0.1%
9.9%	11,700	11,675	-25	-0.2%
11.1%	11,579	11,566	-13	-0.1%
12.3%	11,567	11,530	-37	-0.3%
13.6%	11,523	11,424	-99	-0.9%
14.8%	11,438	11,411	-27	-0.2%
16.0%	11,237	11,201	-37	-0.3%
17.3%	11,142	11,161	19	0.2%
18.5%	11,138	11,145	7	0.1%
19.8%	11,125	11,115	-10	-0.1%
21.0%	11,069	11,061	-8	-0.1%
22.2%	11,052	11,017	-36	-0.3%
23.5%	11,020	10,967	-53	-0.5%
24.7%	11,014	10,965	-49	-0.4%
25.9%	10,967	10,929	-38	-0.3%
27.2%	10,966	10,885	-81	-0.7%
28.4%	10,912	10,848	-64	-0.6%
29.6%	10,890	10,842	-48	-0.4%
30.9%	10,842	10,771	-71	-0.7%
32.1%	10,841	10,732	-109	-1.0%
33.3%	10,839	10,725	-113	-1.0%
34.6%	10,823	10,661	-161	-1.5%
35.8%	10,782	10,639	-143	-1.3%
37.0%	10,720	10,637	-83	-0.8%
38.3%	10,713	10,566	-147	-1.4%
39.5%	10,688	10,410	-278	-2.6%
40.7%	10,588	10,407	-181	-1.7%
42.0%	10,514	10,389	-125	-1.2%
43.2%	10,455	10,359	-96	-0.9%
44.4%	10,429	10,337	-91	-0.9%
45.7%	10,425	10,306	-119	-1.1%
46.9%	10,368	10,298	-70	-0.7%
48.1%	10,341	10,239	-102	-1.0%
49.4%	10,335	10,192	-142	-1.4%
50.6%	10,332	10,188	-144	-1.4%
51.9%	10,326	10,176	-150	-1.4%
53.1%	10,217	10,164	-53	-0.5%
54.3%	10,199	10,137	-62	-0.6%
55.6%	10,187	10,133	-55	-0.5%
56.8%	10,181	10,121	-60	-0.6%
58.0%	10,136	10,099	-38	-0.4%
59.3%	10,085	10,052	-33	-0.3%
60.5%	9,973	9,910	-63	-0.6%
61.7%	9,953	9,865	-89	-0.9%
63.0%	9,888	9,829	-59	-0.6%
64.2%	9,765	9,792	27	0.3%
65.4%	9,738	9,754	16	0.2%
66.7%	9,681	9,659	-22	-0.2%
67.9%	9,609	9,637	27	0.3%
69.1%	9,595	9,576	-19	-0.2%
70.4%	9,581	9,513	-68	-0.7%
71.6%	9,544	9,477	-66	-0.7%
72.8%	9,454	9,473	19	0.2%
74.1%	9,450	9,438	-12	-0.1%
75.3%	9,439	9,414	-25	-0.3%
76.5%	9,399	9,388	-11	-0.1%
77.8%	9,369	9,376	7	0.1%
79.0%	9,366	9,305	-61	-0.7%
80.2%	9,365	9,294	-71	-0.8%
81.5%	9,327	9,244	-83	-0.9%
82.7%	9,282	9,189	-93	-1.0%
84.0%	9,222	9,178	-44	-0.5%
85.2%	9,220	9,093	-128	-1.4%
86.4%	9,106	9,067	-39	-0.4%
87.7%	9,084	9,033	-51	-0.6%
88.9%	9,075	9,018	-58	-0.6%
90.1%	9,062	9,003	-59	-0.6%
91.4%	9,008	8,981	-27	-0.3%
92.6%	8,998	8,937	-61	-0.7%
93.8%	8,943	8,929	-15	-0.2%
95.1%	8,910	8,905	-6	-0.1%
96.3%	8,896	8,779	-117	-1.3%
97.5%	8,832	8,720	-112	-1.3%
98.8%	8,747	8,711	-36	-0.4%
100.0%	7,643	8,704	1,061	13.9%

Table SW-43-b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,632	12,420	-212	-1.7%
1.2%	11,983	11,971	-12	-0.1%
2.5%	11,699	11,651	-48	-0.4%
3.7%	11,330	11,323	-7	-0.1%
4.9%	11,300	11,252	-47	-0.4%
6.2%	11,260	11,187	-72	-0.6%
7.4%	10,953	11,037	84	0.8%
8.6%	10,842	10,882	40	0.4%
9.9%	10,678	10,843	165	1.5%
11.1%	10,567	10,637	70	0.7%
12.3%	10,561	10,403	-159	-1.5%
13.6%	10,317	10,148	-170	-1.6%
14.8%	10,175	10,141	-35	-0.3%
16.0%	10,152	10,031	-121	-1.2%
17.3%	10,079	9,951	-129	-1.3%
18.5%	10,049	9,928	-121	-1.2%
19.8%	10,027	9,827	-200	-2.0%
21.0%	9,937	9,822	-115	-1.2%
22.2%	9,922	9,769	-153	-1.5%
23.5%	9,917	9,755	-162	-1.6%
24.7%	9,884	9,662	-222	-2.2%
25.9%	9,842	9,652	-189	-1.9%
27.2%	9,794	9,650	-144	-1.5%
28.4%	9,673	9,607	-66	-0.7%
29.6%	9,636	9,555	-81	-0.8%
30.9%	9,629	9,525	-104	-1.1%
32.1%	9,579	9,420	-159	-1.7%
33.3%	9,412	9,381	-31	-0.3%
34.6%	9,395	9,366	-28	-0.3%
35.8%	9,391	9,352	-39	-0.4%
37.0%	9,345	9,343	-2	0.0%
38.3%	9,345	9,309	-36	-0.4%
39.5%	9,275	9,270	-4	0.0%
40.7%	9,252	9,254	2	0.0%
42.0%	9,237	9,249	12	0.1%
43.2%	9,157	9,198	41	0.4%
44.4%	9,146	9,184	39	0.4%
45.7%	9,119	9,141	22	0.2%
46.9%	9,083	8,905	-177	-2.0%
48.1%	9,049	8,844	-206	-2.3%
49.4%	9,029	8,775	-253	-2.8%
50.6%	8,962	8,769	-194	-2.2%
51.9%	8,957	8,724	-232	-2.6%
53.1%	8,878	8,712	-166	-1.9%
54.3%	8,839	8,690	-149	-1.7%
55.6%	8,825	8,583	-242	-2.7%
56.8%	8,806	8,571	-236	-2.7%
58.0%	8,793	8,442	-351	-4.0%
59.3%	8,754	8,343	-411	-4.7%
60.5%	8,732	8,328	-404	-4.6%
61.7%	8,732	8,325	-407	-4.7%
63.0%	8,524	8,268	-256	-3.0%
64.2%	8,497	8,252	-245	-2.9%
65.4%	8,464	8,177	-287	-3.4%
66.7%	8,450	8,174	-276	-3.3%
67.9%	8,344	8,173	-171	-2.1%
69.1%	8,181	8,084	-97	-1.2%
70.4%	8,145	8,075	-70	-0.9%
71.6%	8,134	8,064	-71	-0.9%
72.8%	8,029	8,033	5	0.1%
74.1%	8,026	8,006	-20	-0.2%
75.3%	7,953	7,965	13	0.2%
76.5%	7,950	7,784	-166	-2.1%
77.8%	7,909	7,678	-231	-2.9%
79.0%	7,767	7,645	-121	-1.6%
80.2%	7,750	7,439	-311	-4.0%
81.5%	7,577	7,403	-174	-2.3%
82.7%	7,571	7,350	-220	-2.9%
84.0%	7,420	7,272	-147	-2.0%
85.2%	7,396	7,223	-174	-2.3%
86.4%	7,378	7,222	-156	-2.1%
87.7%	7,326	7,151	-175	-2.4%
88.9%	7,302	6,984	-318	-4.4%
90.1%	7,170	6,947	-223	-3.1%
91.4%	7,089	6,872	-218	-3.1%
92.6%	6,947	6,853	-94	-1.4%
93.8%	6,762	6,556	-206	-3.0%
95.1%	6,573	6,296	-277	-4.2%
96.3%	6,537	5,845	-692	-10.6%
97.5%	6,447	5,833	-614	-9.5%
98.8%	6,116	5,111	-1,005	-16.4%
100.0%	5,946	5,050	-896	-15.1%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,303	12,100	-204	-1.7%
1.2%	10,997	10,990	-8	-0.1%
2.5%	10,961	10,754	-207	-1.9%
3.7%	10,838	10,718	-119	-1.1%
4.9%	10,699	10,614	-85	-0.8%
6.2%	10,281	10,337	56	0.5%
7.4%	10,163	10,182	19	0.2%
8.6%	10,007	9,958	-49	-0.5%
9.9%	9,924	9,927	3	0.0%
11.1%	9,863	9,807	-56	-0.6%
12.3%	9,770	9,783	13	0.1%
13.6%	9,767	9,761	-6	-0.1%
14.8%	9,741	9,714	-27	-0.3%
16.0%	9,739	9,698	-42	-0.4%
17.3%	9,674	9,535	-139	-1.4%
18.5%	9,649	9,491	-158	-1.6%
19.8%	9,634	9,444	-189	-2.0%
21.0%	9,540	9,378	-162	-1.7%
22.2%	9,510	9,335	-175	-1.8%
23.5%	9,494	9,307	-186	-2.0%
24.7%	9,366	9,261	-105	-1.1%
25.9%	9,235	9,226	-9	-0.1%
27.2%	9,229	9,159	-70	-0.8%
28.4%	9,202	9,101	-101	-1.1%
29.6%	9,181	9,082	-99	-1.1%
30.9%	9,107	9,017	-90	-1.0%
32.1%	9,005	8,976	-29	-0.3%
33.3%	8,987	8,878	-108	-1.2%
34.6%	8,966	8,840	-126	-1.4%
35.8%	8,878	8,824	-53	-0.6%
37.0%	8,670	8,762	91	1.1%
38.3%	8,626	8,711	86	1.0%
39.5%	8,616	8,635	19	0.2%
40.7%	8,560	8,552	-8	-0.1%
42.0%	8,541	8,429	-113	-1.3%
43.2%	8,321	8,339	18	0.2%
44.4%	8,307	8,312	5	0.1%
45.7%	8,292	8,215	-77	-0.9%
46.9%	8,276	8,206	-70	-0.8%
48.1%	8,275	8,150	-125	-1.5%
49.4%	8,252	8,123	-128	-1.6%
50.6%	8,229	8,104	-125	-1.5%
51.9%	8,209	8,071	-138	-1.7%
53.1%	8,192	8,027	-165	-2.0%
54.3%	8,147	8,010	-136	-1.7%
55.6%	8,082	8,000	-81	-1.0%
56.8%	8,073	7,990	-83	-1.0%
58.0%	7,992	7,954	-38	-0.5%
59.3%	7,924	7,824	-101	-1.3%
60.5%	7,897	7,821	-76	-1.0%
61.7%	7,868	7,818	-50	-0.6%
63.0%	7,735	7,817	82	1.1%
64.2%	7,723	7,742	18	0.2%
65.4%	7,693	7,616	-77	-1.0%
66.7%	7,686	7,540	-146	-1.9%
67.9%	7,590	7,394	-197	-2.6%
69.1%	7,484	7,292	-192	-2.6%
70.4%	7,385	7,244	-141	-1.9%
71.6%	7,325	7,178	-147	-2.0%
72.8%	7,311	7,124	-187	-2.6%
74.1%	7,273	7,113	-160	-2.2%
75.3%	7,260	7,101	-159	-2.2%
76.5%	7,233	6,992	-241	-3.3%
77.8%	7,140	6,956	-183	-2.6%
79.0%	7,083	6,820	-263	-3.7%
80.2%	7,032	6,790	-243	-3.5%
81.5%	6,987	6,735	-252	-3.6%
82.7%	6,928	6,633	-295	-4.3%
84.0%	6,888	6,611	-277	-4.0%
85.2%	6,748	6,197	-550	-8.2%
86.4%	6,727	6,177	-550	-8.2%
87.7%	6,451	5,949	-502	-7.8%
88.9%	6,166	5,901	-266	-4.3%
90.1%	6,165	5,872	-293	-4.8%
91.4%	6,115	5,633	-482	-7.9%
92.6%	5,703	5,633	-71	-1.2%
93.8%	5,464	5,605	141	2.6%
95.1%	5,432	5,003	-429	-7.9%
96.3%	5,243	4,989	-254	-4.9%
97.5%	5,217	4,984	-233	-4.5%
98.8%	5,059	4,962	-97	-1.9%
100.0%	4,819	4,508	-312	-6.5%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,862	11,627	-235	-2.0%
1.2%	10,568	10,581	13	0.1%
2.5%	9,937	9,854	-84	-0.8%
3.7%	9,826	9,839	13	0.1%
4.9%	9,814	9,834	20	0.2%
6.2%	9,757	9,716	-41	-0.4%
7.4%	9,634	9,532	-101	-1.1%
8.6%	9,479	9,455	-23	-0.2%
9.9%	9,442	9,307	-135	-1.4%
11.1%	9,403	9,256	-147	-1.6%
12.3%	9,349	9,223	-126	-1.3%
13.6%	9,232	9,154	-77	-0.8%
14.8%	9,194	9,148	-46	-0.5%
16.0%	9,182	9,107	-76	-0.8%
17.3%	9,039	9,105	66	0.7%
18.5%	9,039	9,076	37	0.4%
19.8%	9,020	9,073	54	0.6%
21.0%	8,962	8,959	-3	0.0%
22.2%	8,937	8,946	9	0.1%
23.5%	8,803	8,901	98	1.1%
24.7%	8,712	8,882	170	1.9%
25.9%	8,567	8,809	242	2.8%
27.2%	8,517	8,667	150	1.8%
28.4%	8,509	8,645	137	1.6%
29.6%	8,482	8,528	47	0.5%
30.9%	8,414	8,483	69	0.8%
32.1%	8,287	8,463	176	2.1%
33.3%	8,121	8,143	22	0.3%
34.6%	8,081	8,121	40	0.5%
35.8%	7,994	8,106	112	1.4%
37.0%	7,984	8,096	112	1.4%
38.3%	7,938	8,090	153	1.9%
39.5%	7,916	8,071	155	2.0%
40.7%	7,766	8,028	262	3.4%
42.0%	7,761	7,896	135	1.7%
43.2%	7,726	7,861	134	1.7%
44.4%	7,694	7,720	25	0.3%
45.7%	7,539	7,716	176	2.3%
46.9%	7,538	7,509	-30	-0.4%
48.1%	7,485	7,463	-22	-0.3%
49.4%	7,477	7,429	-48	-0.6%
50.6%	7,388	7,362	-26	-0.3%
51.9%	7,362	7,271	-91	-1.2%
53.1%	7,302	7,269	-33	-0.5%
54.3%	7,241	7,184	-57	-0.8%
55.6%	7,241	7,149	-91	-1.3%
56.8%	7,104	7,100	-5	-0.1%
58.0%	7,028	7,036	8	0.1%
59.3%	6,904	6,975	71	1.0%
60.5%	6,898	6,959	61	0.9%
61.7%	6,895	6,918	23	0.3%
63.0%	6,894	6,846	-48	-0.7%
64.2%	6,861	6,691	-170	-2.5%
65.4%	6,851	6,677	-174	-2.5%
66.7%	6,803	6,663	-140	-2.1%
67.9%	6,794	6,649	-145	-2.1%
69.1%	6,744	6,645	-99	-1.5%
70.4%	6,648	6,631	-17	-0.3%
71.6%	6,603	6,564	-38	-0.6%
72.8%	6,426	6,411	-15	-0.2%
74.1%	6,409	6,234	-174	-2.7%
75.3%	6,399	6,146	-253	-4.0%
76.5%	6,141	6,121	-20	-0.3%
77.8%	5,877	6,029	152	2.6%
79.0%	5,870	5,966	96	1.6%
80.2%	5,858	5,960	102	1.7%
81.5%	5,702	5,825	123	2.2%
82.7%	5,525	5,750	225	4.1%
84.0%	5,454	5,677	224	4.1%
85.2%	5,442	5,455	12	0.2%
86.4%	5,341	5,265	-76	-1.4%
87.7%	5,146	5,249	103	2.0%
88.9%	5,062	5,165	103	2.0%
90.1%	5,026	5,087	61	1.2%
91.4%	4,981	4,813	-168	-3.4%
92.6%	4,956	4,565	-391	-7.9%
93.8%	4,845	4,461	-384	-7.9%
95.1%	4,608	4,449	-159	-3.5%
96.3%	4,575	4,351	-224	-4.9%
97.5%	4,349	3,889	-460	-10.6%
98.8%	3,889	3,889	0	0.0%
100.0%	3,889	3,889	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,037	11,795	-242	-2.0%
1.2%	9,483	10,025	542	5.7%
2.5%	9,386	9,736	350	3.7%
3.7%	9,380	9,570	190	2.0%
4.9%	9,321	9,370	50	0.5%
6.2%	9,245	9,354	109	1.2%
7.4%	9,090	9,273	182	2.0%
8.6%	9,052	9,247	195	2.2%
9.9%	9,032	9,212	180	2.0%
11.1%	8,904	9,171	267	3.0%
12.3%	8,817	9,140	323	3.7%
13.6%	8,713	9,072	359	4.1%
14.8%	8,698	8,940	242	2.8%
16.0%	8,695	8,934	239	2.7%
17.3%	8,683	8,839	157	1.8%
18.5%	8,519	8,706	187	2.2%
19.8%	8,328	8,702	374	4.5%
21.0%	8,309	8,639	330	4.0%
22.2%	8,307	8,633	326	3.9%
23.5%	8,237	8,592	356	4.3%
24.7%	8,149	8,540	390	4.8%
25.9%	8,065	8,521	455	5.6%
27.2%	7,867	8,495	628	8.0%
28.4%	7,815	8,327	512	6.5%
29.6%	7,803	8,319	516	6.6%
30.9%	7,771	8,209	438	5.6%
32.1%	7,715	8,168	452	5.9%
33.3%	7,692	8,167	476	6.2%
34.6%	7,682	8,141	460	6.0%
35.8%	7,680	8,024	344	4.5%
37.0%	7,676	7,931	256	3.3%
38.3%	7,672	7,871	199	2.6%
39.5%	7,583	7,783	200	2.6%
40.7%	7,580	7,720	140	1.8%
42.0%	7,571	7,701	130	1.7%
43.2%	7,546	7,682	136	1.8%
44.4%	7,520	7,653	133	1.8%
45.7%	7,504	7,572	68	0.9%
46.9%	7,460	7,536	76	1.0%
48.1%	7,456	7,533	77	1.0%
49.4%	7,452	7,528	76	1.0%
50.6%	7,407	7,503	96	1.3%
51.9%	7,385	7,481	96	1.3%
53.1%	7,356	7,462	106	1.4%
54.3%	7,347	7,462	114	1.6%
55.6%	7,327	7,449	122	1.7%
56.8%	7,312	7,438	126	1.7%
58.0%	7,307	7,391	85	1.2%
59.3%	7,292	7,366	74	1.0%
60.5%	7,290	7,342	51	0.7%
61.7%	7,268	7,330	62	0.8%
63.0%	7,259	7,320	60	0.8%
64.2%	7,241	7,268	27	0.4%
65.4%	7,186	7,267	82	1.1%
66.7%	7,146	7,237	91	1.3%
67.9%	7,140	7,194	54	0.8%
69.1%	7,123	7,189	66	0.9%
70.4%	7,013	7,186	173	2.5%
71.6%	6,942	7,143	201	2.9%
72.8%	6,753	7,074	321	4.8%
74.1%	6,685	7,057	373	5.6%
75.3%	6,570	7,042	471	7.2%
76.5%	6,483	6,927	443	6.8%
77.8%	6,415	6,906	491	7.7%
79.0%	6,413	6,807	394	6.1%
80.2%	6,361	6,762	401	6.3%
81.5%	6,293	6,620	326	5.2%
82.7%	6,205	6,517	312	5.0%
84.0%	6,204	6,436	232	3.7%
85.2%	6,191	6,334	143	2.3%
86.4%	6,169	6,005	-164	-2.7%
87.7%	6,029	5,935	-93	-1.5%
88.9%	5,955	5,903	-51	-0.9%
90.1%	5,481	5,849	368	6.7%
91.4%	5,368	5,654	286	5.3%
92.6%	5,230	5,648	418	8.0%
93.8%	4,962	5,386	424	8.6%
95.1%	4,562	5,071	510	11.2%
96.3%	4,485	4,848	363	8.1%
97.5%	4,401	4,499	98	2.2%
98.8%	4,101	4,344	244	5.9%
100.0%	3,889	3,997	108	2.8%

Figure SW-44-b
San Luis Reservoir (CVP), End of Month Storage
Probability of Exceedance

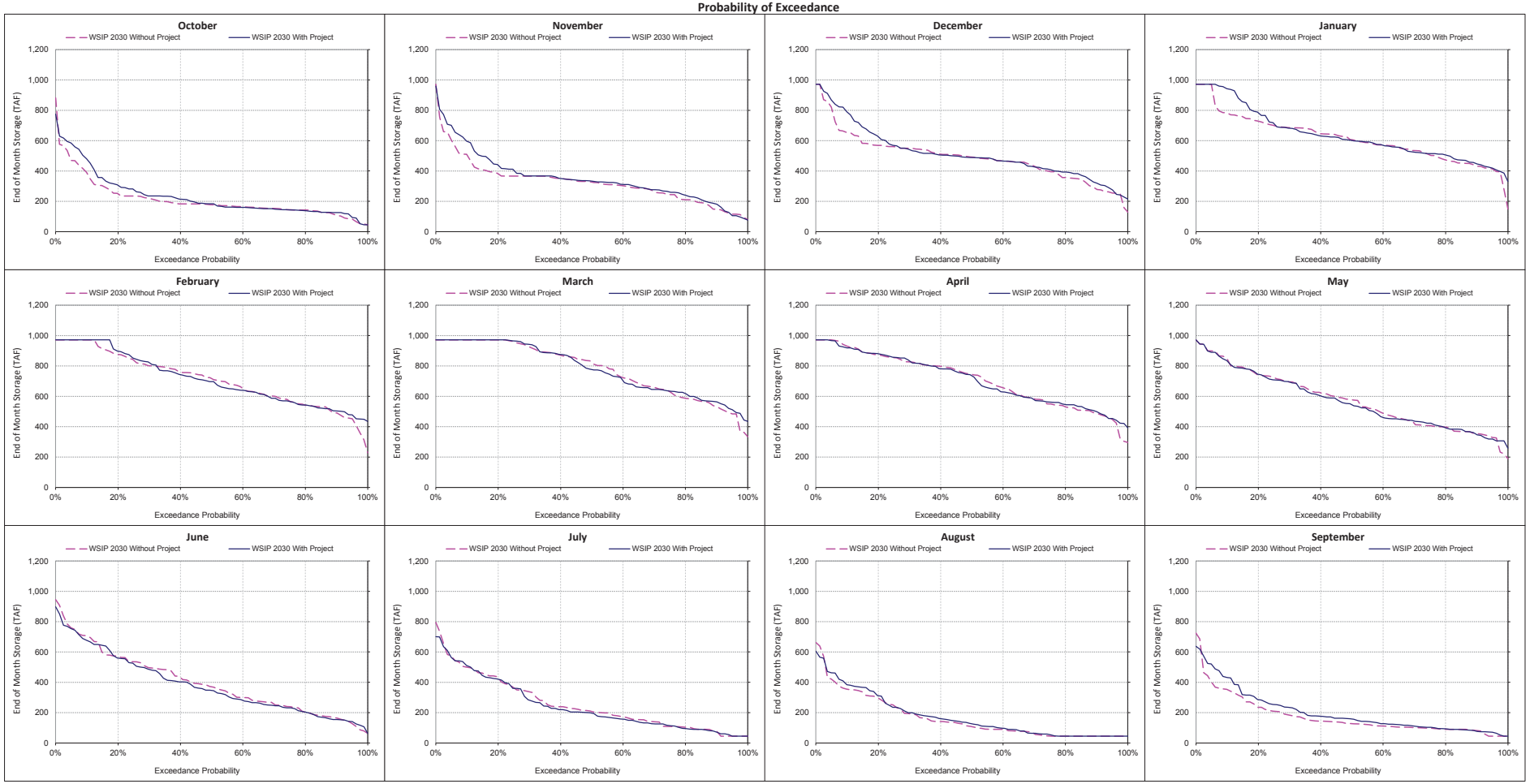


Table SW-44-b

San Luis Reservoir (CVP), End of Month Storage

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	882	775	-107	-12.1%
1.2%	576	630	54	9.4%
2.5%	567	617	51	8.9%
3.7%	535	594	59	11.0%
4.9%	470	586	116	24.7%
6.2%	468	559	91	19.4%
7.4%	440	544	104	23.7%
8.6%	418	504	86	20.7%
9.9%	391	480	89	22.7%
11.1%	346	451	104	30.2%
12.3%	311	409	98	31.4%
13.6%	306	357	51	16.6%
14.8%	304	357	53	17.5%
16.0%	291	332	41	14.2%
17.3%	276	321	44	16.0%
18.5%	254	316	62	24.2%
19.8%	253	309	56	22.0%
21.0%	235	293	58	24.5%
22.2%	235	291	56	23.7%
23.5%	235	283	47	20.2%
24.7%	235	282	47	20.2%
25.9%	235	262	27	11.5%
27.2%	233	259	25	10.9%
28.4%	225	243	19	8.4%
29.6%	221	235	14	6.4%
30.9%	215	235	20	9.3%
32.1%	208	235	27	12.7%
33.3%	200	235	35	17.4%
34.6%	199	235	36	17.9%
35.8%	198	234	36	18.0%
37.0%	191	232	41	21.3%
38.3%	188	224	35	18.8%
39.5%	183	215	32	17.5%
40.7%	183	213	30	16.4%
42.0%	183	212	29	15.7%
43.2%	183	202	19	10.1%
44.4%	183	196	12	6.8%
45.7%	183	188	5	2.7%
46.9%	183	188	5	2.7%
48.1%	181	185	4	2.0%
49.4%	178	183	5	3.0%
50.6%	177	183	6	3.6%
51.9%	177	168	-8	-4.7%
53.1%	171	167	-5	-2.7%
54.3%	171	163	-9	-5.0%
55.6%	171	162	-9	-5.0%
56.8%	168	162	-6	-3.7%
58.0%	166	160	-5	-3.1%
59.3%	165	160	-5	-3.0%
60.5%	164	160	-4	-2.5%
61.7%	161	158	-3	-1.9%
63.0%	161	157	-4	-2.4%
64.2%	160	156	-4	-2.5%
65.4%	156	153	-3	-1.8%
66.7%	155	152	-3	-2.0%
67.9%	154	152	-2	-1.3%
69.1%	154	151	-3	-1.8%
70.4%	153	148	-5	-3.3%
71.6%	152	146	-6	-4.0%
72.8%	148	145	-3	-1.8%
74.1%	145	144	-1	-0.5%
75.3%	144	143	-1	-0.8%
76.5%	143	143	1	0.4%
77.8%	143	142	-1	-0.5%
79.0%	142	140	-3	-2.0%
80.2%	142	138	-5	-3.3%
81.5%	142	135	-8	-5.3%
82.7%	138	133	-5	-3.5%
84.0%	135	133	-3	-1.9%
85.2%	127	128	0	0.3%
86.4%	126	128	2	1.3%
87.7%	125	127	2	1.4%
88.9%	116	126	10	8.5%
90.1%	107	126	19	17.9%
91.4%	103	126	23	22.0%
92.6%	90	119	29	32.4%
93.8%	85	117	32	37.8%
95.1%	83	94	11	13.6%
96.3%	66	90	24	36.5%
97.5%	52	52	-1	-1.2%
98.8%	51	45	-6	-12.0%
100.0%	45	45	0	0.0%

November				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	960	-12	-1.2%
1.2%	754	807	53	7.0%
2.5%	659	774	115	17.4%
3.7%	657	708	51	7.8%
4.9%	604	701	96	15.9%
6.2%	563	655	92	16.4%
7.4%	518	639	121	23.5%
8.6%	511	624	113	22.1%
9.9%	510	596	86	16.9%
11.1%	468	586	118	25.1%
12.3%	426	531	106	24.8%
13.6%	415	506	91	21.9%
14.8%	409	498	89	21.8%
16.0%	404	496	92	22.8%
17.3%	395	474	79	20.0%
18.5%	392	446	54	13.8%
19.8%	385	443	59	15.2%
21.0%	367	417	50	13.7%
22.2%	367	416	49	13.4%
23.5%	367	411	44	12.1%
24.7%	367	411	44	12.1%
25.9%	367	385	18	5.0%
27.2%	367	384	17	4.7%
28.4%	367	367	1	0.2%
29.6%	367	367	0	0.0%
30.9%	367	367	0	0.0%
32.1%	367	367	0	0.0%
33.3%	367	367	0	0.0%
34.6%	367	367	0	0.0%
35.8%	364	367	3	0.8%
37.0%	358	367	9	2.5%
38.3%	353	363	10	2.7%
39.5%	351	352	1	0.3%
40.7%	349	349	0	0.1%
42.0%	346	345	-2	-0.5%
43.2%	342	343	1	0.3%
44.4%	338	341	2	0.7%
45.7%	332	338	6	1.9%
46.9%	331	337	5	1.6%
48.1%	331	336	5	1.4%
49.4%	330	334	5	1.4%
50.6%	324	331	7	2.1%
51.9%	323	328	4	1.4%
53.1%	316	327	12	3.7%
54.3%	312	327	15	4.7%
55.6%	310	325	15	4.9%
56.8%	310	324	14	4.6%
58.0%	307	321	14	4.7%
59.3%	305	313	8	2.7%
60.5%	301	311	10	3.4%
61.7%	296	311	15	4.9%
63.0%	290	304	14	4.8%
64.2%	288	297	9	3.2%
65.4%	286	290	4	1.5%
66.7%	285	289	4	1.4%
67.9%	283	282	0	0.0%
69.1%	274	277	3	1.3%
70.4%	259	276	18	6.8%
71.6%	256	275	19	7.4%
72.8%	255	267	12	4.9%
74.1%	246	266	20	8.2%
75.3%	244	260	16	6.5%
76.5%	244	260	16	6.5%
77.8%	215	255	40	18.5%
79.0%	212	246	34	16.0%
80.2%	210	239	29	13.6%
81.5%	210	231	21	9.9%
82.7%	203	228	25	12.5%
84.0%	194	222	28	14.6%
85.2%	191	209	19	9.9%
86.4%	188	199	12	6.2%
87.7%	171	193	22	13.2%
88.9%	149	187	38	25.7%
90.1%	147	180	33	22.3%
91.4%	144	161	18	12.2%
92.6%	132	136	4	2.7%
93.8%	122	128	6	4.9%
95.1%	116	106	-10	-8.4%
96.3%	115	105	-11	-9.1%
97.5%	113	97	-16	-14.4%
98.8%	93	87	-7	-7.2%
100.0%	79	76	-4	-4.8%

December				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	972	972	0	0.0%
2.5%	870	925	55	6.3%
3.7%	859	911	53	6.1%
4.9%	821	868	47	5.7%
6.2%	724	840	116	16.0%
7.4%	668	822	154	23.1%
8.6%	664	821	158	23.7%
9.9%	654	791	137	20.9%
11.1%	651	770	119	18.3%
12.3%	635	729	95	14.9%
13.6%	631	720	89	14.1%
14.8%	582	691	108	18.6%
16.0%	582	678	96	16.4%
17.3%	578	656	78	13.5%
18.5%	571	646	75	13.1%
19.8%	569	631	62	10.8%
21.0%	569	607	38	6.7%
22.2%	564	601	38	6.7%
23.5%	561	578	17	2.9%
24.7%	561	569	8	1.5%
25.9%	559	566	8	1.3%
27.2%	550	550	0	0.0%
28.4%	550	550	0	0.0%
29.6%	550	544	-6	-1.1%
30.9%	549	533	-16	-2.8%
32.1%	545	531	-14	-2.6%
33.3%	544	521	-22	-4.1%
34.6%	539	517	-22	-4.1%
35.8%	538	517	-21	-3.9%
37.0%	524	516	-8	-1.5%
38.3%	517	511	-6	-1.2%
39.5%	512	505	-7	-1.3%
40.7%	509	504	-5	-1.0%
42.0%	509	504	-5	-1.0%
43.2%	508	501	-7	-1.4%
44.4%	506	499	-8	-1.5%
45.7%	505	498	-7	-1.3%
46.9%	500	493	-7	-1.5%
48.1%	497	491	-5	-1.1%
49.4%	492	490	-3	-0.6%
50.6%	491	488	-3	-0.6%
51.9%	484	487	3	0.7%
53.1%	483	487	4	0.8%
54.3%	481	486	4	0.9%
55.6%	479	485	6	1.2%
56.8%	478	478	0	0.1%
58.0%	468	469	1	0.3%
59.3%	467	467	0	0.0%
60.5%	465	466	1	0.2%
61.7%	464	464	0	0.0%
63.0%	461	462	1	0.3%
64.2%	460	458	-1	-0.3%
65.4%	459	458	-1	-0.3%
66.7%	459	450	-8	-1.8%
67.9%	448	432	-16	-3.6%
69.1%	440	430	-10	-2.2%
70.4%	429	425	-3	-0.8%
71.6%	411	424	13	3.1%
72.8%	403	415	12	3.0%
74.1%	401	413	12	2.9%
75.3%	395	409	14	3.5%
76.5%	395	400	5	1.3%
77.8%	377	399	22	5.7%
79.0%	357	392	35	9.9%
80.2%	357	392	36	10.0%
81.5%	353	390	37	10.6%
82.7%	352	383	32	9.1%
84.0%	349	382	33	9.6%
85.2%	344	370	26	7.6%
86.4%	326	362	36	11.1%
87.7%	303	345	42	13.9%
88.9%	295	328	33	11.3%
90.1%	278	319	41	14.6%
91.4%	275	308	32	11.8%
92.6%	265	304	40	15.0%
93.8%	262	291	29	10.9%
95.1%	255	276	21	8.2%
96.3%	253	245	-8	-3.1%
97.5%	252	243	-9	-3.5%
98.8%	158	229	71	45.1%
100.0%	129	215	86	67.2%

January				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	972	972	0	0.0%
2.5%	972	972	0	0.0%
3.7%	972	972	0	0.0%
4.9%	972	972	0	0.0%
6.2%	828	972	144	17.3%
7.4%	796	960	164	20.6%
8.6%	785	956	172	21.9%
9.9%	784	943	159	20.3%
11.1%	771	938	167	21.7%
12.3%	769	929	160	20.8%
13.6%	762	880	118	15.5%
14.8%	759	857	98	12.9%
16.0%	746	850	104	13.9%
17.3%	745	806	61	8.2%
18.5%	734	794	59	8.1%
19.8%	730	788	58	8.0%
21.0%	723	767	44	6.0%
22.2%	714	766	52	7.3%
23.5%	707	724	18	2.5%
24.7%	702	719	18	2.5%
25.9%	694	691	-3	-0.4%
27.2%	691	688	-2	-0.3%
28.4%	689	687	-2	-0.3%
29.6%	686	683	-3	-0.4%
30.9%	685	681	-4	-0.7%
32.1%	685	673	-11	-1.6%
33.3%	684	658	-26	-3.7%
34.6%	683	655	-28	-4.0%
35.8%	679	649	-30	-4.4%
37.0%	674	646	-28	-4.2%
38.3%	658	640	-18	-2.7%
39.5%	647	632	-14	-2.2%
40.7%	644	629	-15	-2.4%
42.0%	644	628	-16	-2.5%
43.2%	643	625	-18	-2.8%
44.4%	641	624	-17	-2.6%
45.7%	633	620	-12	-1.9%
46.9%	628	609	-19	-3.0%
48.1%	628	607	-21	-3.4%
49.4%	608	604	-4	-0.7%
50.6%	604	598	-6	-0.9%
51.9%	594	597	2	0.4%
53.1%	592	594	2	0.3%
54.3%	588	592	3	0.6%
55.6%	587	591	4	0.7%
56.8%	578	584	6	1.0%
58.0%	573	575	2	0.4%
59.3%	571	575	4	0.6%
60.5%	571	567	-4	-0.7%
61.7%	568	565	-3	-0.5%
63.0%	567	559	-7	-1.3%
64.2%	563	557	-5	-0.9%
65.4%	550	555	6	1.0%
66.7%	545	546	1	0.1%
67.9%	544	531	-13	-2.4%
69.1%	535	526	-9	-1.7%
70.4%	534	523	-12	-2.2%
71.6%	533	521	-13	-2.3%
72.8%	523	517	-5	-1.0%
74.1%	513	515	2	0.3%
75.3%	503	514	12	2.3%
76.5%	502	514	12	2.4%
77.8%	489	511	23	4.6%
79.0%	479	511	32	6.7%
80.2%	472	504	33	6.9%
81.5%	465	498	33	7.2%
82.7%	463	481	17	3.8%
84.0%	453	473	20	4.5%
85.2%	452	472	20	4.4%
86.4%	451	470	19	4.3%
87.7%	450	457	8	1.7%
88.9%	442	456	14	3.2%
90.1%	432	447	15	3.4%
91.4%	430	442	12	2.7%
92.6%	420	431	11	2.7%
93.8%	419	425	7	1.6%
95.1%	413	419	5	1.2%
96.3%	397	407	11	2.7%
97.5%	395	397	2	0.5%
98.8%	277	386	109	39.4%
100.0%	150	331	181	120.9%

Table SW-44-b

San Luis Reservoir (CVP), End of Month Storage

Probability of Exceedance

February				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	972	972	0	0.0%
2.5%	972	972	0	0.0%
3.7%	972	972	0	0.0%
4.9%	972	972	0	0.0%
6.2%	972	972	0	0.0%
7.4%	972	972	0	0.0%
8.6%	972	972	0	0.0%
9.9%	972	972	0	0.0%
11.1%	972	972	0	0.0%
12.3%	972	972	0	0.0%
13.6%	929	972	43	4.6%
14.8%	914	972	58	6.3%
16.0%	906	972	66	7.2%
17.3%	897	972	75	8.4%
18.5%	884	913	29	3.3%
19.8%	877	899	22	2.5%
21.0%	874	894	21	2.4%
22.2%	863	882	19	2.2%
23.5%	850	874	24	2.8%
24.7%	844	852	9	1.0%
25.9%	821	844	23	2.8%
27.2%	814	835	21	2.6%
28.4%	813	830	17	2.1%
29.6%	802	827	25	3.2%
30.9%	801	810	9	1.1%
32.1%	798	805	8	1.0%
33.3%	796	771	-25	-3.1%
34.6%	793	769	-24	-3.0%
35.8%	789	768	-21	-2.6%
37.0%	782	764	-18	-2.3%
38.3%	778	754	-24	-3.0%
39.5%	762	744	-18	-2.3%
40.7%	757	739	-18	-2.3%
42.0%	757	732	-24	-3.2%
43.2%	755	731	-24	-3.2%
44.4%	749	718	-30	-4.0%
45.7%	743	713	-30	-4.0%
46.9%	740	708	-32	-4.3%
48.1%	724	704	-19	-2.7%
49.4%	723	697	-27	-3.7%
50.6%	710	696	-14	-1.9%
51.9%	705	673	-32	-4.5%
53.1%	699	660	-39	-5.5%
54.3%	697	656	-41	-5.9%
55.6%	681	650	-30	-4.5%
56.8%	677	649	-28	-4.2%
58.0%	673	644	-29	-4.3%
59.3%	663	641	-22	-3.3%
60.5%	642	639	-3	-0.4%
61.7%	633	631	-2	-0.3%
63.0%	632	630	-2	-0.4%
64.2%	626	627	1	0.1%
65.4%	620	615	-4	-0.7%
66.7%	614	613	-1	-0.1%
67.9%	603	602	-1	-0.2%
69.1%	602	588	-15	-2.4%
70.4%	600	587	-12	-2.1%
71.6%	589	573	-16	-2.7%
72.8%	582	569	-13	-2.2%
74.1%	581	569	-11	-1.9%
75.3%	563	564	1	0.2%
76.5%	562	558	-4	-0.7%
77.8%	550	547	-4	-0.7%
79.0%	548	543	-5	-1.0%
80.2%	540	543	3	0.6%
81.5%	539	537	-2	-0.3%
82.7%	534	534	-1	-0.2%
84.0%	533	523	-9	-1.8%
85.2%	532	522	-10	-1.8%
86.4%	531	519	-11	-2.2%
87.7%	512	519	7	1.4%
88.9%	491	505	14	2.9%
90.1%	491	504	13	2.7%
91.4%	475	501	27	5.6%
92.6%	459	499	40	8.6%
93.8%	457	480	23	5.1%
95.1%	452	477	25	5.5%
96.3%	407	453	45	11.1%
97.5%	359	450	91	25.3%
98.8%	314	448	134	42.6%
100.0%	228	434	206	90.4%

March				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	972	972	0	0.0%
2.5%	972	972	0	0.0%
3.7%	972	972	0	0.0%
4.9%	972	972	0	0.0%
6.2%	972	972	0	0.0%
7.4%	972	972	0	0.0%
8.6%	972	972	0	0.0%
9.9%	972	972	0	0.0%
11.1%	972	972	0	0.0%
12.3%	972	972	0	0.0%
13.6%	972	972	0	0.0%
14.8%	972	972	0	0.0%
16.0%	972	972	0	0.0%
17.3%	972	972	0	0.0%
18.5%	972	972	0	0.0%
19.8%	972	972	0	0.0%
21.0%	972	972	0	0.0%
22.2%	972	972	0	0.0%
23.5%	966	968	2	0.2%
24.7%	962	965	3	0.4%
25.9%	953	965	12	1.3%
27.2%	946	961	15	1.6%
28.4%	941	945	5	0.5%
29.6%	929	944	15	1.6%
30.9%	918	940	22	2.4%
32.1%	907	929	22	2.4%
33.3%	893	893	1	0.1%
34.6%	892	888	-4	-0.5%
35.8%	890	887	-3	-0.4%
37.0%	887	886	-1	-0.1%
38.3%	879	884	4	0.5%
39.5%	874	877	3	0.3%
40.7%	866	875	8	0.9%
42.0%	863	870	7	0.8%
43.2%	860	857	-2	-0.3%
44.4%	856	837	-19	-2.2%
45.7%	842	822	-20	-2.3%
46.9%	841	804	-37	-4.4%
48.1%	836	786	-50	-6.0%
49.4%	834	778	-56	-6.7%
50.6%	812	774	-38	-4.6%
51.9%	803	774	-29	-3.6%
53.1%	803	769	-34	-4.2%
54.3%	800	754	-45	-5.6%
55.6%	781	746	-36	-4.5%
56.8%	778	733	-44	-5.7%
58.0%	742	729	-13	-1.8%
59.3%	728	724	-4	-0.5%
60.5%	720	690	-30	-4.2%
61.7%	717	682	-35	-4.9%
63.0%	705	680	-24	-3.4%
64.2%	692	662	-30	-4.3%
65.4%	682	660	-22	-3.3%
66.7%	670	657	-12	-1.8%
67.9%	667	657	-9	-1.4%
69.1%	662	646	-17	-2.5%
70.4%	657	645	-12	-1.8%
71.6%	648	645	-3	-0.4%
72.8%	645	642	-3	-0.5%
74.1%	643	637	-6	-1.0%
75.3%	627	633	6	1.0%
76.5%	608	631	23	3.8%
77.8%	597	627	30	5.0%
79.0%	591	626	35	5.8%
80.2%	586	617	31	5.2%
81.5%	583	600	16	2.8%
82.7%	580	599	19	3.3%
84.0%	572	588	16	2.9%
85.2%	567	574	7	1.3%
86.4%	567	570	4	0.6%
87.7%	557	568	11	2.0%
88.9%	539	567	28	5.2%
90.1%	532	563	31	5.9%
91.4%	517	551	34	6.7%
92.6%	505	542	38	7.4%
93.8%	493	521	28	5.7%
95.1%	484	512	28	5.9%
96.3%	484	493	9	1.8%
97.5%	368	488	119	32.4%
98.8%	362	443	80	22.2%
100.0%	334	435	101	30.3%

April				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	972	972	0	0.0%
2.5%	972	972	0	0.0%
3.7%	972	972	0	0.0%
4.9%	972	968	-4	-0.5%
6.2%	968	965	-3	-0.3%
7.4%	963	931	-32	-3.3%
8.6%	943	926	-17	-1.8%
9.9%	932	920	-12	-1.3%
11.1%	923	920	-3	-0.3%
12.3%	922	911	-11	-1.2%
13.6%	911	909	-3	-0.3%
14.8%	892	892	-1	-0.1%
16.0%	886	887	1	0.1%
17.3%	885	884	-1	-0.1%
18.5%	877	884	7	0.8%
19.8%	874	882	8	0.9%
21.0%	870	876	7	0.8%
22.2%	863	871	8	1.0%
23.5%	859	865	6	0.7%
24.7%	856	857	1	0.2%
25.9%	853	856	3	0.3%
27.2%	842	853	11	1.3%
28.4%	828	852	24	2.9%
29.6%	827	839	12	1.5%
30.9%	826	821	-5	-0.6%
32.1%	821	818	-3	-0.4%
33.3%	815	817	2	0.2%
34.6%	807	810	3	0.4%
35.8%	806	805	-1	-0.1%
37.0%	802	800	-3	-0.3%
38.3%	800	798	-2	-0.2%
39.5%	799	782	-17	-2.1%
40.7%	796	781	-15	-1.9%
42.0%	791	780	-11	-1.4%
43.2%	787	780	-8	-1.0%
44.4%	777	766	-11	-1.4%
45.7%	768	756	-12	-1.5%
46.9%	758	753	-6	-0.8%
48.1%	751	744	-7	-0.9%
49.4%	748	743	-6	-0.8%
50.6%	741	728	-13	-1.7%
51.9%	739	697	-42	-5.6%
53.1%	727	670	-57	-7.8%
54.3%	701	660	-41	-5.9%
55.6%	692	654	-38	-5.5%
56.8%	681	649	-33	-4.8%
58.0%	668	648	-20	-3.0%
59.3%	661	629	-32	-4.8%
60.5%	652	628	-25	-3.8%
61.7%	648	624	-24	-3.7%
63.0%	631	619	-12	-2.0%
64.2%	612	608	-4	-0.7%
65.4%	610	604	-6	-1.0%
66.7%	597	594	-3	-0.5%
67.9%	593	592	-1	-0.1%
69.1%	591	590	-1	-0.2%
70.4%	580	572	-8	-1.4%
71.6%	579	569	-10	-1.7%
72.8%	576	569	-7	-1.2%
74.1%	550	563	13	2.3%
75.3%	550	562	13	2.3%
76.5%	543	560	17	3.2%
77.8%	542	560	18	3.3%
79.0%	539	550	10	1.9%
80.2%	529	544	15	2.9%
81.5%	525	544	19	3.5%
82.7%	524	544	20	3.8%
84.0%	509	535	26	5.0%
85.2%	508	533	25	4.9%
86.4%	508	519	11	2.2%
87.7%	506	512	6	1.2%
88.9%	493	508	15	2.9%
90.1%	488	499	11	2.3%
91.4%	478	485	6	1.3%
92.6%	470	476	6	1.3%
93.8%	463	454	-8	-1.8%
95.1%	447	454	7	1.6%
96.3%	424	441	17	4.0%
97.5%	322	422	100	31.1%
98.8%	303	422	119	39.1%
100.0%	296	392	96	32.3%

May				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	945	945	0	0.0%
2.5%	943	942	-1	-0.1%
3.7%	900	899	-1	-0.1%
4.9%	899	890	-9	-1.0%
6.2%	898	889	-8	-0.9%
7.4%	867	864	-2	-0.3%
8.6%	865	847	-17	-2.0%
9.9%	852	835	-16	-1.9%
11.1%	802	808	7	0.9%
12.3%	801	790	-11	-1.3%
13.6%	795	788	-7	-0.9%
14.8%	793	786	-7	-0.9%
16.0%	780	780	0	0.0%
17.3%	775	778	3	0.3%
18.5%	759	766	6	0.9%
19.8%	742	746	5	0.7%
21.0%	738	742	4	0.5%
22.2%	735	728	-7	-1.0%
23.5%	733	715	-19	-2.6%
24.7%	727	708	-19	-2.5%
25.9%	715	708	-7	-1.0%
27.2%	710	706	-5	-0.7%
28.4%	700	699	-1	-0.1%
29.6%	696	697	1	0.2%
30.9%	694	689	-5	-0.8%
32.1%	684	686	1	0.2%
33.3%	665	649	-16	-2.4%
34.6%	663	649	-15	-2.2%
35.8%	649	629	-20	-3.1%
37.0%	633	619	-15	-2.3%
38.3%	627	614	-12	-1.9%
39.5%	626	606	-20	-3.2%
40.7%	617	597	-19	-3.1%
42.0%	615	591	-25	-4.0%
43.2%	604	589	-15	-2.5%
44.4%	600	589	-11	-1.8%
45.7%	593	572	-21	-3.6%
46.9%	590	558	-31	-5.3%
48.1%	582	554	-28	-4.8%
49.4%	579	552	-28	-4.8%
50.6%	575	538	-37	-6.4%
51.9%	573	533	-40	-7.0%
53.1%	531	525	-7	-1.2%
54.3%	530	523	-7	-1.4%
55.6%	520	506	-14	-2.8%
56.8%	519	502	-18	-3.4%
58.0%	508	487	-21	-4.2%
59.3%	494	465	-29	-5.9%
60.5%	484	456	-27	-5.7%
61.7%	476	453	-22	-4.7%
63.0%	469	452	-17	-3.6%
64.2%	460	451	-8	-1.8%
65.4%	455	449	-6	-1.3%
66.7%	449	447	-2	-0.5%
67.9%	442	443	1	0.2%
69.1%	441	442	0	0.1%
70.4%	412	435	23	5.6%
71.6%	412	432	21	5.0%
72.8%	409	429	20	5.0%
74.1%	407	423	16	4.0%
75.3%	407	423	16	4.0%
76.5%	401	410	9	2.4%
77.8%	400	406	6	1.6%
79.0%	399	400	1	0.3%
80.2%	396	391	-5	-1.2%
81.5%	394	384	-10	-2.4%
82.7%	370	384	14	3.7%
84.0%	369	383	14	3.9%
85.2%	368	382	14	3.7%
86.4%	367	368	1	0.3%
87.7%	367	367	-1	-0.2%
88.9%	357	362	5	1.4%
90.1%	354	346	-8	-2.2%
91.4%	351	343	-8	-2.4%
92.6%	345	327	-19	-5.4%
93.8%	339	318	-20	-6.0%
95.1%	328	318	-10	-3.1%
96.3%	326	307	-19	-5.9%
97.5%	233	307	74	31.8%
98.8%	221	306	86	39.0%
100.0%	189	259	70	36.9%

Table SW-44-b

San Luis Reservoir (CVP), End of Month Storage

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	945	898	-47	-5.0%
1.2%	908	850	-58	-6.4%
2.5%	840	776	-64	-7.6%
3.7%	785	770	-15	-1.9%
4.9%	759	754	-5	-0.7%
6.2%	749	744	-5	-0.6%
7.4%	719	714	-4	-0.6%
8.6%	710	689	-21	-2.9%
9.9%	707	677	-30	-4.2%
11.1%	695	667	-28	-4.0%
12.3%	668	650	-18	-2.7%
13.6%	667	649	-18	-2.7%
14.8%	600	645	45	7.5%
16.0%	581	640	59	10.1%
17.3%	579	610	30	5.3%
18.5%	574	576	2	0.3%
19.8%	574	560	-14	-2.5%
21.0%	564	557	-8	-1.3%
22.2%	563	556	-7	-1.3%
23.5%	537	529	-7	-1.3%
24.7%	536	526	-10	-1.8%
25.9%	535	505	-30	-5.6%
27.2%	529	500	-29	-5.5%
28.4%	510	498	-12	-2.3%
29.6%	497	487	-10	-2.1%
30.9%	494	480	-14	-2.8%
32.1%	491	476	-16	-3.2%
33.3%	487	458	-29	-6.0%
34.6%	484	427	-57	-11.8%
35.8%	483	413	-70	-14.5%
37.0%	474	412	-63	-13.2%
38.3%	441	408	-34	-7.6%
39.5%	440	403	-37	-8.4%
40.7%	418	402	-15	-3.7%
42.0%	415	402	-13	-3.2%
43.2%	402	387	-15	-3.8%
44.4%	394	368	-26	-6.5%
45.7%	392	363	-29	-7.4%
46.9%	387	359	-28	-7.3%
48.1%	383	349	-34	-8.9%
49.4%	373	349	-24	-6.4%
50.6%	368	344	-24	-6.5%
51.9%	357	330	-27	-7.4%
53.1%	349	326	-24	-6.8%
54.3%	344	319	-24	-7.1%
55.6%	328	304	-24	-7.4%
56.8%	321	294	-27	-8.5%
58.0%	301	291	-11	-3.6%
59.3%	300	287	-13	-4.3%
60.5%	299	277	-23	-7.5%
61.7%	298	273	-26	-8.6%
63.0%	282	266	-15	-5.5%
64.2%	277	265	-11	-4.1%
65.4%	274	263	-12	-4.3%
66.7%	272	253	-18	-6.7%
67.9%	268	251	-18	-6.7%
69.1%	268	250	-19	-6.9%
70.4%	251	246	-5	-1.8%
71.6%	249	245	-4	-1.5%
72.8%	248	236	-12	-4.8%
74.1%	240	232	-9	-3.5%
75.3%	239	231	-8	-3.4%
76.5%	233	226	-7	-2.8%
77.8%	231	212	-19	-8.2%
79.0%	209	208	-1	-0.4%
80.2%	202	203	0	0.2%
81.5%	198	196	-1	-0.6%
82.7%	187	187	0	0.1%
84.0%	183	174	-9	-5.0%
85.2%	180	170	-10	-5.4%
86.4%	175	167	-8	-4.6%
87.7%	173	160	-14	-8.0%
88.9%	169	155	-14	-8.0%
90.1%	164	154	-10	-6.1%
91.4%	157	153	-4	-2.6%
92.6%	149	151	2	1.4%
93.8%	143	143	0	0.1%
95.1%	127	142	15	11.5%
96.3%	109	125	16	14.7%
97.5%	87	117	31	35.6%
98.8%	80	106	27	33.3%
100.0%	63	64	1	1.0%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	795	701	-93	-11.8%
1.2%	734	699	-35	-4.7%
2.5%	656	636	-20	-3.0%
3.7%	584	610	26	4.4%
4.9%	572	565	-7	-1.3%
6.2%	543	541	-2	-0.3%
7.4%	534	541	8	1.4%
8.6%	505	537	31	6.2%
9.9%	500	511	11	2.2%
11.1%	496	501	5	1.0%
12.3%	486	476	-10	-2.0%
13.6%	464	474	10	2.2%
14.8%	462	446	-16	-3.5%
16.0%	449	434	-16	-3.5%
17.3%	443	430	-13	-2.9%
18.5%	442	425	-17	-3.8%
19.8%	437	423	-15	-3.3%
21.0%	403	415	12	3.0%
22.2%	390	399	8	2.1%
23.5%	386	392	6	1.5%
24.7%	369	360	-9	-2.3%
25.9%	350	360	9	2.7%
27.2%	348	356	8	2.3%
28.4%	345	308	-38	-10.9%
29.6%	339	285	-54	-15.9%
30.9%	333	276	-57	-17.1%
32.1%	303	267	-35	-11.7%
33.3%	281	267	-15	-5.3%
34.6%	279	243	-36	-12.9%
35.8%	252	243	-10	-3.8%
37.0%	243	229	-13	-5.5%
38.3%	240	229	-11	-4.7%
39.5%	239	220	-19	-7.9%
40.7%	239	220	-19	-7.9%
42.0%	234	214	-20	-8.7%
43.2%	228	205	-24	-10.3%
44.4%	226	205	-22	-9.6%
45.7%	221	204	-17	-7.8%
46.9%	215	202	-13	-5.8%
48.1%	214	201	-13	-5.9%
49.4%	211	200	-12	-5.5%
50.6%	204	194	-10	-5.1%
51.9%	202	177	-25	-12.3%
53.1%	199	173	-26	-13.1%
54.3%	198	172	-26	-13.0%
55.6%	198	168	-30	-15.2%
56.8%	183	166	-17	-9.3%
58.0%	180	161	-18	-10.2%
59.3%	175	157	-18	-10.1%
60.5%	171	156	-15	-8.9%
61.7%	164	150	-14	-8.6%
63.0%	157	149	-7	-4.7%
64.2%	154	142	-12	-8.0%
65.4%	154	135	-18	-11.9%
66.7%	153	133	-20	-13.2%
67.9%	142	132	-10	-7.3%
69.1%	142	127	-14	-10.1%
70.4%	139	126	-13	-9.4%
71.6%	138	125	-13	-9.4%
72.8%	110	125	15	13.6%
74.1%	109	116	7	6.6%
75.3%	109	114	4	4.1%
76.5%	108	112	4	3.5%
77.8%	108	104	-4	-3.3%
79.0%	106	97	-9	-8.7%
80.2%	103	94	-9	-8.6%
81.5%	103	92	-11	-10.5%
82.7%	94	90	-4	-4.3%
84.0%	90	90	0	-0.5%
85.2%	90	90	0	0.0%
86.4%	90	86	-4	-4.2%
87.7%	89	81	-9	-9.6%
88.9%	79	80	1	1.2%
90.1%	75	71	-4	-5.4%
91.4%	45	61	16	34.5%
92.6%	45	60	15	33.0%
93.8%	45	56	11	25.0%
95.1%	45	45	0	0.0%
96.3%	45	45	0	0.0%
97.5%	45	45	0	0.0%
98.8%	45	45	0	0.0%
100.0%	45	45	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	663	605	-58	-8.7%
1.2%	639	566	-74	-11.5%
2.5%	572	559	-13	-2.3%
3.7%	432	471	39	9.1%
4.9%	421	464	43	10.2%
6.2%	401	461	60	15.0%
7.4%	375	420	45	12.0%
8.6%	362	410	48	13.2%
9.9%	355	384	29	8.2%
11.1%	351	380	29	8.3%
12.3%	351	373	23	6.5%
13.6%	346	370	25	7.1%
14.8%	337	366	29	8.6%
16.0%	314	365	51	16.3%
17.3%	310	345	35	11.4%
18.5%	309	340	31	10.0%
19.8%	299	312	13	4.4%
21.0%	283	310	26	9.2%
22.2%	267	262	-5	-2.0%
23.5%	255	249	-6	-2.5%
24.7%	251	236	-15	-6.1%
25.9%	234	235	1	0.5%
27.2%	224	226	2	1.1%
28.4%	196	211	16	8.0%
29.6%	194	199	5	2.6%
30.9%	190	199	9	4.6%
32.1%	186	190	4	2.1%
33.3%	167	186	19	11.6%
34.6%	165	181	16	9.8%
35.8%	159	178	19	11.7%
37.0%	145	173	28	19.2%
38.3%	142	170	27	19.3%
39.5%	141	161	20	14.0%
40.7%	141	158	17	12.1%
42.0%	138	156	17	12.6%
43.2%	136	150	14	10.3%
44.4%	135	146	11	7.8%
45.7%	130	143	13	10.3%
46.9%	126	137	11	8.9%
48.1%	114	135	22	19.2%
49.4%	110	130	20	17.8%
50.6%	105	125	20	18.8%
51.9%	99	121	21	21.5%
53.1%	96	111	15	15.7%
54.3%	91	110	19	20.6%
55.6%	91	109	18	19.6%
56.8%	90	108	18	20.3%
58.0%	90	101	11	12.3%
59.3%	90	98	8	8.5%
60.5%	90	96	6	6.5%
61.7%	81	90	9	10.9%
63.0%	80	90	10	12.3%
64.2%	78	87	9	11.7%
65.4%	78	80	3	3.3%
66.7%	77	80	3	3.4%
67.9%	75	65	-9	-12.4%
69.1%	73	63	-10	-13.6%
70.4%	56	63	7	12.2%
71.6%	54	61	7	13.1%
72.8%	50	60	10	20.2%
74.1%	47	59	12	24.4%
75.3%	45	53	8	18.1%
76.5%	45	46	1	2.4%
77.8%	45	45	0	0.0%
79.0%	45	45	0	0.0%
80.2%	45	45	0	0.0%
81.5%	45	45	0	0.0%
82.7%	45	45	0	0.0%
84.0%	45	45	0	0.0%
85.2%	45	45	0	0.0%
86.4%	45	45	0	0.0%
87.7%	45	45	0	0.0%
88.9%	45	45	0	0.0%
90.1%	45	45	0	0.0%
91.4%	45	45	0	0.0%
92.6%	45	45	0	0.0%
93.8%	45	45	0	0.0%
95.1%	45	45	0	0.0%
96.3%	45	45	0	0.0%
97.5%	45	45	0	0.0%
98.8%	45	45	0	0.0%
100.0%	45	45	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	724	638	-86	-11.8%
1.2%	686	619	-67	-9.8%
2.5%	464	572	109	23.4%
3.7%	444	525	81	18.2%
4.9%	402	521	119	29.6%
6.2%	368	488	120	32.7%
7.4%	362	477	116	32.0%
8.6%	357	439	82	23.1%
9.9%	354	432	79	22.2%
11.1%	341	429	88	25.6%
12.3%	330	386	57	17.1%
13.6%	315	385	69	22.0%
14.8%	303	319	15	5.1%
16.0%	271	315	44	16.3%
17.3%	271	315	44	16.4%
18.5%	258	307	49	19.1%
19.8%	235	287	52	22.1%
21.0%	235	283	48	20.6%
22.2%	221	271	50	22.7%
23.5%	214	259	45	20.8%
24.7%	210	254	45	21.2%
25.9%	208	252	44	21.2%
27.2%	206	247	41	20.1%
28.4%	191	238	47	24.7%
29.6%	185	235	50	26.9%
30.9%	180	232	52	28.9%
32.1%	174	221	48	27.4%
33.3%	172	203	31	18.3%
34.6%	162	202	40	24.5%
35.8%	152	182	31	20.2%
37.0%	149	179	31	20.5%
38.3%	145	178	33	22.5%
39.5%	144	176	32	22.2%
40.7%	144	176	32	22.3%
42.0%	143	172	29	20.5%
43.2%	141	172	31	22.1%
44.4%	139	164	25	17.7%
45.7%	139	164	25	18.1%
46.9%	135	163	28	20.6%
48.1%	129	162	33	25.7%
49.4%	128	160	32	25.0%
50.6%	126	156	29	23.2%
51.9%	126	147	21	16.7%
53.1%	125	143	18	14.2%
54.3%	122	143	20	16.4%
55.6%	121	141	20	16.5%
56.8%	115	137	22	19.0%
58.0%	113	134	21	19.0%
59.3%	112	127	14	12.8%
60.5%	111	127	15	13.7%
61.7%	110	124	15	13.5%
63.0%	108	124	16	14.9%
64.2%	106	122	17	15.9%
65.4%	105	121	16	15.3%
66.7%	105	118	13	12.7%
67.9%	104	117	12	11.7%
69.1%	102	114	11	10.8%
70.4%	101	109	9	8.8%
71.6%	100	107	7	6.6%
72.8%	99	105	6	5.6%
74.1%	98	103	5	5.4%
75.3%	98	103	5	5.3%
76.5%	95	99	4	3.9%
77.8%	93	95	1	1.6%
79.0%	90	95	5	5.2%
80.2%	90	94	4	4.3%
81.5%	90	90	0	0.0%
82.7%	90	90	0	-0.1%
84.0%	90	89	-1	-1.2%
85.2%	90	88	-2	-1.8%
86.4%	90	86	-4	-4.9%
87.7%	87	84	-3	-3.5%
88.9%	85	82	-2	-2.8%
90.1%	82	76	-6	-7.8%
91.4%	79	75	-4	-5.5%
92.6%	59	74	16	26.8%
93.8%	45	73	28	62.7%
95.1%	45	71	26	57.9%
96.3%	45	65	20	43.6%
97.5%	45	52	7	15.3%
98.8%	45	45	0	0.0%
100.0%	45	45	0	0.0%

Figure SW-45-b
San Luis Reservoir (SWP), End of Month Storage
Probability of Exceedance

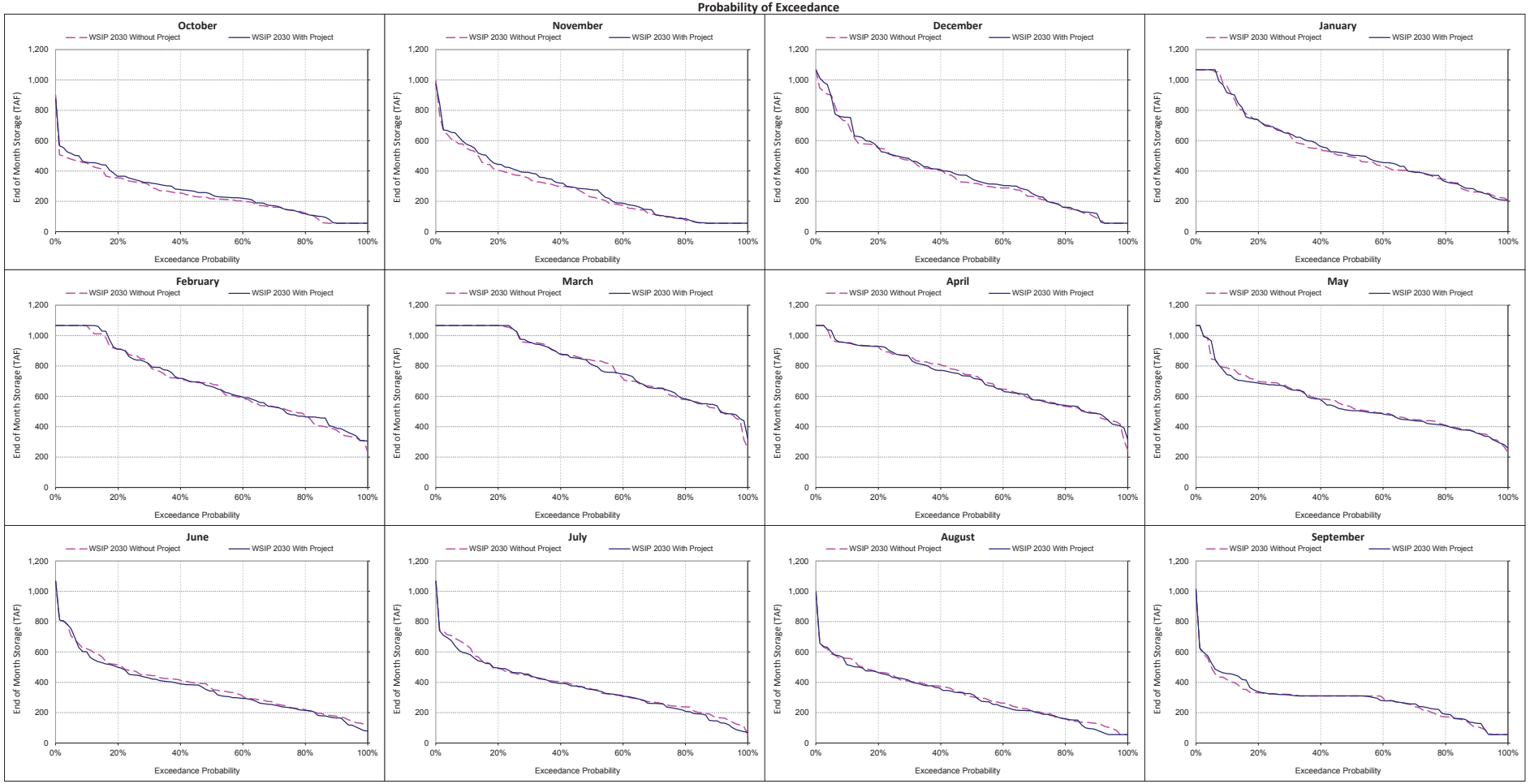


Table SW-45-b

San Luis Reservoir (SWP), End of Month Storage

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	898	876	-23	-2.5%
1.2%	507	566	59	11.6%
2.5%	499	553	55	10.9%
3.7%	487	526	39	7.9%
4.9%	478	517	39	8.1%
6.2%	471	502	31	6.7%
7.4%	467	500	33	7.1%
8.6%	456	463	6	1.4%
9.9%	453	457	4	0.9%
11.1%	439	455	16	3.7%
12.3%	426	454	28	6.7%
13.6%	419	449	31	7.3%
14.8%	414	441	27	6.5%
16.0%	367	439	71	19.4%
17.3%	360	405	45	12.5%
18.5%	356	387	31	8.8%
19.8%	355	366	11	3.2%
21.0%	354	366	12	3.5%
22.2%	342	366	24	6.9%
23.5%	334	354	21	6.2%
24.7%	330	347	17	5.2%
25.9%	326	339	14	4.2%
27.2%	323	334	11	3.4%
28.4%	321	325	4	1.4%
29.6%	312	325	13	4.1%
30.9%	289	319	30	10.3%
32.1%	282	317	34	12.2%
33.3%	270	311	41	15.0%
34.6%	270	306	37	13.5%
35.8%	268	302	35	13.0%
37.0%	262	300	38	14.6%
38.3%	257	283	26	10.0%
39.5%	257	278	22	8.4%
40.7%	253	274	22	8.5%
42.0%	243	273	30	12.3%
43.2%	242	270	28	11.6%
44.4%	231	267	35	15.2%
45.7%	229	258	29	12.7%
46.9%	229	257	28	12.4%
48.1%	228	257	29	12.8%
49.4%	219	250	32	14.4%
50.6%	216	236	20	9.3%
51.9%	215	231	15	7.2%
53.1%	213	228	15	6.9%
54.3%	212	227	15	7.0%
55.6%	211	226	15	7.3%
56.8%	209	223	14	6.9%
58.0%	203	223	19	9.6%
59.3%	203	221	18	8.9%
60.5%	197	219	22	11.1%
61.7%	197	216	18	9.3%
63.0%	193	209	17	8.6%
64.2%	180	189	9	4.9%
65.4%	172	188	17	9.7%
66.7%	171	188	17	9.6%
67.9%	166	175	10	6.0%
69.1%	162	172	10	6.2%
70.4%	161	170	9	5.4%
71.6%	161	163	3	1.8%
72.8%	160	151	-9	-5.6%
74.1%	144	144	0	0.2%
75.3%	142	143	1	0.6%
76.5%	140	138	-1	-1.0%
77.8%	136	130	-5	-4.0%
79.0%	130	121	-8	-6.2%
80.2%	119	117	-2	-1.6%
81.5%	114	108	-6	-5.3%
82.7%	103	106	4	3.4%
84.0%	86	102	15	17.7%
85.2%	58	99	41	70.6%
86.4%	58	95	37	63.7%
87.7%	55	82	27	49.0%
88.9%	55	59	4	6.8%
90.1%	55	55	0	0.0%
91.4%	55	55	0	0.0%
92.6%	55	55	0	0.0%
93.8%	55	55	0	0.0%
95.1%	55	55	0	0.0%
96.3%	55	55	0	0.0%
97.5%	55	55	0	0.0%
98.8%	55	55	0	0.0%
100.0%	55	55	0	0.0%

November				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	994	972	-22	-2.3%
1.2%	766	847	81	10.6%
2.5%	662	671	9	1.3%
3.7%	640	667	27	4.2%
4.9%	611	654	43	7.0%
6.2%	597	651	54	9.1%
7.4%	579	623	43	7.5%
8.6%	578	597	20	3.4%
9.9%	549	576	27	4.9%
11.1%	537	565	28	5.3%
12.3%	530	552	22	4.1%
13.6%	502	518	16	3.1%
14.8%	458	507	49	10.7%
16.0%	444	504	60	13.6%
17.3%	443	475	31	7.1%
18.5%	414	452	39	9.4%
19.8%	403	444	41	10.1%
21.0%	402	443	42	10.3%
22.2%	393	426	33	8.4%
23.5%	388	424	36	9.2%
24.7%	377	413	36	9.5%
25.9%	372	406	34	9.2%
27.2%	370	395	25	6.8%
28.4%	362	391	29	8.1%
29.6%	355	391	36	10.0%
30.9%	335	384	49	14.7%
32.1%	328	381	52	16.0%
33.3%	327	359	32	9.7%
34.6%	322	357	35	11.0%
35.8%	316	348	32	10.0%
37.0%	313	348	35	11.0%
38.3%	304	327	24	7.8%
39.5%	298	321	23	7.7%
40.7%	298	320	22	7.5%
42.0%	298	299	1	0.4%
43.2%	293	296	3	1.1%
44.4%	289	292	4	1.3%
45.7%	276	285	9	3.4%
46.9%	261	283	22	8.4%
48.1%	245	281	37	15.0%
49.4%	230	278	48	20.7%
50.6%	226	275	49	21.6%
51.9%	220	274	54	24.6%
53.1%	213	250	37	17.3%
54.3%	204	226	22	10.7%
55.6%	188	219	32	16.8%
56.8%	184	198	14	7.5%
58.0%	180	190	10	5.6%
59.3%	176	189	13	7.5%
60.5%	174	187	13	7.5%
61.7%	155	176	21	13.9%
63.0%	153	175	21	14.0%
64.2%	148	168	20	13.5%
65.4%	144	160	16	11.2%
66.7%	143	149	6	4.2%
67.9%	124	146	23	18.3%
69.1%	115	145	30	26.4%
70.4%	114	111	-3	-2.5%
71.6%	106	107	1	0.6%
72.8%	103	105	2	1.7%
74.1%	101	97	-4	-3.8%
75.3%	96	97	1	0.7%
76.5%	95	90	-5	-5.4%
77.8%	93	86	-7	-7.2%
79.0%	88	86	-3	-3.3%
80.2%	73	84	11	14.6%
81.5%	72	74	2	2.3%
82.7%	64	68	3	5.2%
84.0%	61	59	-1	-2.1%
85.2%	55	59	4	6.9%
86.4%	55	58	3	5.6%
87.7%	55	55	0	0.0%
88.9%	55	55	0	0.0%
90.1%	55	55	0	0.0%
91.4%	55	55	0	0.0%
92.6%	55	55	0	0.0%
93.8%	55	55	0	0.0%
95.1%	55	55	0	0.0%
96.3%	55	55	0	0.0%
97.5%	55	55	0	0.0%
98.8%	55	55	0	0.0%
100.0%	55	55	0	0.0%

December				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	946	1,012	66	7.0%
2.5%	925	986	61	6.6%
3.7%	906	970	64	7.1%
4.9%	900	889	-11	-1.2%
6.2%	825	776	-50	-6.0%
7.4%	759	761	2	0.2%
8.6%	734	756	22	3.0%
9.9%	730	754	24	3.3%
11.1%	671	752	81	12.0%
12.3%	619	631	12	2.0%
13.6%	582	627	45	7.8%
14.8%	580	621	41	7.1%
16.0%	578	598	20	3.5%
17.3%	577	596	20	3.4%
18.5%	572	583	11	1.9%
19.8%	554	561	8	1.4%
21.0%	547	526	-21	-3.9%
22.2%	544	524	-21	-3.8%
23.5%	516	512	-4	-0.8%
24.7%	501	507	6	1.2%
25.9%	499	499	-1	-0.1%
27.2%	483	494	11	2.2%
28.4%	474	487	13	2.7%
29.6%	472	483	11	2.4%
30.9%	470	465	-5	-1.1%
32.1%	447	463	16	3.6%
33.3%	425	447	22	5.2%
34.6%	421	429	8	1.8%
35.8%	416	428	12	2.8%
37.0%	415	415	0	0.0%
38.3%	410	414	4	0.9%
39.5%	405	412	7	1.6%
40.7%	398	402	4	0.9%
42.0%	374	400	26	6.8%
43.2%	373	395	22	5.9%
44.4%	359	383	24	6.7%
45.7%	330	374	44	13.4%
46.9%	327	373	46	14.0%
48.1%	326	372	46	14.0%
49.4%	322	356	34	10.5%
50.6%	319	341	22	6.9%
51.9%	317	333	15	4.9%
53.1%	308	327	19	6.0%
54.3%	301	320	19	6.3%
55.6%	297	315	17	5.9%
56.8%	293	315	21	7.2%
58.0%	289	312	23	8.0%
59.3%	289	308	19	6.6%
60.5%	289	304	16	5.4%
61.7%	288	303	15	5.2%
63.0%	285	301	16	5.8%
64.2%	275	300	25	9.0%
65.4%	273	286	13	4.7%
66.7%	254	280	26	10.4%
67.9%	233	276	43	18.3%
69.1%	233	254	21	8.9%
70.4%	230	240	11	4.7%
71.6%	217	230	13	6.0%
72.8%	211	226	15	7.3%
74.1%	208	200	-8	-3.8%
75.3%	196	192	-4	-1.9%
76.5%	189	187	-1	-0.7%
77.8%	178	182	3	2.0%
79.0%	162	162	0	0.3%
80.2%	160	160	0	0.3%
81.5%	149	160	11	7.5%
82.7%	146	146	0	0.3%
84.0%	141	142	1	1.0%
85.2%	129	131	2	1.5%
86.4%	119	129	11	9.0%
87.7%	118	127	9	7.6%
88.9%	102	123	21	21.0%
90.1%	89	119	30	33.2%
91.4%	78	63	-15	-19.6%
92.6%	55	55	0	0.6%
93.8%	55	55	0	0.0%
95.1%	55	55	0	0.0%
96.3%	55	55	0	0.0%
97.5%	55	55	0	0.0%
98.8%	55	55	0	0.0%
100.0%	55	55	0	0.0%

January				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,054	1,067	13	1.2%
7.4%	1,054	990	-64	-6.0%
8.6%	978	969	-10	-1.0%
9.9%	961	917	-45	-4.6%
11.1%	914	909	-5	-0.5%
12.3%	872	902	31	3.5%
13.6%	808	847	39	4.8%
14.8%	803	818	16	1.9%
16.0%	777	756	-21	-2.7%
17.3%	764	747	-17	-2.2%
18.5%	741	745	3	0.4%
19.8%	739	740	0	0.1%
21.0%	718	718	0	0.0%
22.2%	704	697	-7	-1.0%
23.5%	701	695	-6	-0.9%
24.7%	682	691	9	1.3%
25.9%	680	671	-9	-1.3%
27.2%	667	665	-2	-0.2%
28.4%	656	652	-4	-0.6%
29.6%	652	648	-4	-0.6%
30.9%	614	640	26	4.2%
32.1%	588	623	35	6.0%
33.3%	581	622	41	7.0%
34.6%	576	608	32	5.6%
35.8%	555	599	44	7.9%
37.0%	552	596	45	8.1%
38.3%	550	586	37	6.6%
39.5%	549	566	17	3.2%
40.7%	534	558	24	4.6%
42.0%	532	552	19	3.6%
43.2%	525	526	1	0.3%
44.4%	514	526	12	2.4%
45.7%	504	523	19	3.7%
46.9%	502	520	18	3.6%
48.1%	498	516	17	3.5%
49.4%	495	506	10	2.1%
50.6%	490	503	12	2.5%
51.9%	486	503	17	3.5%
53.1%	461	498	37	8.0%
54.3%	460	497	38	8.2%
55.6%	458	482	24	5.3%
56.8%	457	470	13	2.8%
58.0%	440	463	24	5.4%
59.3%	436	457	22	5.0%
60.5%	431	455	24	5.7%
61.7%	419	455	36	8.6%
63.0%	408	451	43	10.4%
64.2%	408	445	37	9.1%
65.4%	405	431	26	6.4%
66.7%	404	430	26	6.5%
67.9%	401	400	-1	-0.2%
69.1%	399	394	-4	-1.1%
70.4%	393	392	-1	-0.4%
71.6%	391	391	0	0.0%
72.8%	383	386	3	0.8%
74.1%	375	379	4	1.2%
75.3%	371	373	2	0.5%
76.5%	355	372	17	4.7%
77.8%	349	371	22	6.3%
79.0%	347	338	-10	-2.8%
80.2%	341	327	-14	-4.1%
81.5%	327	321	-6	-1.8%
82.7%	323	318	-5	-1.7%
84.0%	321	315	-6	-1.9%
85.2%	283	301	18	6.3%
86.4%	274	287	13	4.7%
87.7%	266	285	18	6.9%
88.9%	262	283	22	8.3%
90.1%	262	267	5	1.9%
91.4%	261	261	0	0.0%
92.6%	257	251	-6	-2.3%
93.8%	251	248	-3	-1.2%
95.1%	239	225	-14	-6.0%
96.3%	229	217	-12	-5.0%
97.5%	225	209	-16	-6.9%
98.8%	222	208	-14	-6.3%
100.0%	208	206	-2	-1.2%

Table SW-45-b

San Luis Reservoir (SWP), End of Month Storage

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,067	1,067	0	0.0%
7.4%	1,067	1,067	0	0.0%
8.6%	1,067	1,067	0	0.0%
9.9%	1,067	1,067	0	0.0%
11.1%	1,038	1,067	29	2.8%
12.3%	1,012	1,067	55	5.4%
13.6%	1,012	1,061	49	4.8%
14.8%	1,012	1,030	18	1.8%
16.0%	987	1,029	42	4.2%
17.3%	930	970	41	4.4%
18.5%	918	926	8	0.9%
19.8%	912	910	-2	-0.2%
21.0%	911	909	-3	-0.3%
22.2%	904	900	-3	-0.4%
23.5%	875	863	-12	-1.4%
24.7%	869	847	-22	-2.6%
25.9%	868	840	-28	-3.3%
27.2%	849	839	-10	-1.2%
28.4%	846	830	-15	-1.8%
29.6%	815	819	4	0.5%
30.9%	782	792	10	1.3%
32.1%	771	791	20	2.6%
33.3%	764	791	27	3.5%
34.6%	750	776	26	3.5%
35.8%	727	772	45	6.2%
37.0%	722	759	37	5.1%
38.3%	722	729	7	1.0%
39.5%	715	719	4	0.5%
40.7%	711	718	7	1.0%
42.0%	704	707	3	0.4%
43.2%	696	697	1	0.1%
44.4%	694	696	2	0.2%
45.7%	691	694	4	0.6%
46.9%	690	686	-4	-0.6%
48.1%	689	673	-16	-2.3%
49.4%	687	667	-20	-2.9%
50.6%	677	660	-17	-2.4%
51.9%	675	649	-25	-3.8%
53.1%	639	643	4	0.6%
54.3%	610	627	17	2.7%
55.6%	605	622	17	2.7%
56.8%	604	610	6	1.0%
58.0%	597	604	8	1.3%
59.3%	593	598	5	0.9%
60.5%	583	591	8	1.4%
61.7%	579	591	12	2.1%
63.0%	561	580	19	3.4%
64.2%	558	571	14	2.4%
65.4%	540	559	19	3.5%
66.7%	537	558	20	3.8%
67.9%	536	535	-1	-0.2%
69.1%	535	532	-3	-0.6%
70.4%	528	529	1	0.1%
71.6%	527	525	-2	-0.4%
72.8%	521	514	-7	-1.4%
74.1%	510	489	-22	-4.2%
75.3%	503	479	-24	-4.8%
76.5%	496	477	-19	-3.8%
77.8%	491	469	-23	-4.6%
79.0%	489	469	-20	-4.1%
80.2%	470	464	-6	-1.3%
81.5%	454	464	9	2.1%
82.7%	420	464	44	10.5%
84.0%	406	460	54	13.2%
85.2%	404	457	54	13.3%
86.4%	400	457	57	14.4%
87.7%	392	406	14	3.5%
88.9%	387	401	14	3.6%
90.1%	375	388	13	3.5%
91.4%	356	387	31	8.6%
92.6%	341	374	33	9.8%
93.8%	337	362	25	7.5%
95.1%	333	352	19	5.7%
96.3%	328	338	11	3.3%
97.5%	309	310	1	0.5%
98.8%	308	309	1	0.4%
100.0%	230	305	74	32.3%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,067	1,067	0	0.0%
7.4%	1,067	1,067	0	0.0%
8.6%	1,067	1,067	0	0.0%
9.9%	1,067	1,067	0	0.0%
11.1%	1,067	1,067	0	0.0%
12.3%	1,067	1,067	0	0.0%
13.6%	1,067	1,067	0	0.0%
14.8%	1,067	1,067	0	0.0%
16.0%	1,067	1,067	0	0.0%
17.3%	1,067	1,067	0	0.0%
18.5%	1,067	1,067	0	0.0%
19.8%	1,067	1,067	0	0.0%
21.0%	1,065	1,067	2	0.2%
22.2%	1,059	1,067	8	0.7%
23.5%	1,054	1,067	13	1.2%
24.7%	1,042	1,045	3	0.3%
25.9%	1,026	1,025	-1	-0.1%
27.2%	960	976	16	1.7%
28.4%	957	975	17	1.8%
29.6%	954	961	7	0.7%
30.9%	954	952	-2	-0.2%
32.1%	954	944	-10	-1.0%
33.3%	949	942	-7	-0.8%
34.6%	945	933	-12	-1.2%
35.8%	929	925	-4	-0.5%
37.0%	907	913	6	0.7%
38.3%	899	899	0	0.0%
39.5%	877	882	5	0.6%
40.7%	873	876	3	0.4%
42.0%	873	875	2	0.3%
43.2%	871	857	-14	-1.6%
44.4%	867	854	-13	-1.5%
45.7%	858	850	-8	-0.9%
46.9%	852	846	-6	-0.6%
48.1%	844	840	-4	-0.5%
49.4%	841	815	-25	-3.0%
50.6%	835	802	-33	-3.9%
51.9%	834	795	-39	-4.6%
53.1%	831	769	-63	-7.5%
54.3%	820	760	-60	-7.3%
55.6%	816	758	-58	-7.1%
56.8%	798	758	-40	-5.0%
58.0%	745	755	10	1.4%
59.3%	734	748	14	1.9%
60.5%	705	746	41	5.9%
61.7%	703	739	36	5.2%
63.0%	700	731	31	4.4%
64.2%	698	702	5	0.6%
65.4%	681	687	6	0.9%
66.7%	670	677	8	1.2%
67.9%	669	660	-9	-1.4%
69.1%	666	656	-10	-1.5%
70.4%	656	652	-4	-0.6%
71.6%	656	652	-4	-0.6%
72.8%	654	651	-3	-0.4%
74.1%	621	642	21	3.4%
75.3%	606	633	27	4.5%
76.5%	600	623	23	3.9%
77.8%	589	600	11	1.8%
79.0%	580	588	8	1.4%
80.2%	579	581	2	0.4%
81.5%	572	575	3	0.5%
82.7%	564	565	2	0.3%
84.0%	563	553	-10	-1.8%
85.2%	551	552	1	0.2%
86.4%	547	551	5	0.9%
87.7%	527	548	21	4.0%
88.9%	524	546	22	4.2%
90.1%	520	537	17	3.3%
91.4%	503	493	-10	-2.0%
92.6%	485	490	5	1.0%
93.8%	480	485	5	1.0%
95.1%	478	484	6	1.3%
96.3%	454	477	23	5.1%
97.5%	441	452	11	2.4%
98.8%	313	439	126	40.4%
100.0%	256	321	65	25.2%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,066	-1	-0.1%
3.7%	1,039	1,039	0	0.0%
4.9%	977	1,034	57	5.8%
6.2%	961	977	16	1.7%
7.4%	958	958	-1	-0.1%
8.6%	956	957	0	0.0%
9.9%	955	951	-4	-0.4%
11.1%	953	949	-4	-0.4%
12.3%	942	942	0	0.0%
13.6%	940	936	-3	-0.3%
14.8%	936	934	-3	-0.3%
16.0%	934	932	-2	-0.2%
17.3%	933	931	-2	-0.2%
18.5%	931	929	-2	-0.2%
19.8%	931	929	-2	-0.2%
21.0%	907	928	21	2.3%
22.2%	893	923	30	3.4%
23.5%	892	902	10	1.1%
24.7%	878	891	13	1.5%
25.9%	876	877	1	0.1%
27.2%	873	871	-2	-0.2%
28.4%	871	869	-2	-0.2%
29.6%	867	866	-1	-0.2%
30.9%	855	832	-23	-2.6%
32.1%	835	820	-15	-1.8%
33.3%	831	814	-17	-2.0%
34.6%	829	808	-21	-2.5%
35.8%	824	801	-24	-2.9%
37.0%	815	784	-32	-3.9%
38.3%	815	774	-42	-5.1%
39.5%	811	771	-40	-4.9%
40.7%	801	771	-31	-3.8%
42.0%	799	765	-34	-4.2%
43.2%	780	758	-22	-2.9%
44.4%	777	752	-25	-3.2%
45.7%	770	749	-21	-2.7%
46.9%	753	736	-17	-2.3%
48.1%	743	734	-9	-1.2%
49.4%	742	732	-10	-1.3%
50.6%	732	718	-14	-2.0%
51.9%	729	714	-15	-2.0%
53.1%	706	710	4	0.5%
54.3%	693	679	-14	-2.0%
55.6%	686	669	-17	-2.5%
56.8%	682	667	-15	-2.2%
58.0%	648	650	2	0.3%
59.3%	648	647	-2	-0.2%
60.5%	646	631	-16	-2.4%
61.7%	641	628	-13	-2.1%
63.0%	631	622	-9	-1.4%
64.2%	623	622	-1	-0.1%
65.4%	608	618	10	1.7%
66.7%	605	613	8	1.3%
67.9%	591	612	21	3.6%
69.1%	586	579	-7	-1.3%
70.4%	577	575	-1	-0.2%
71.6%	574	575	1	0.2%
72.8%	574	567	-8	-1.3%
74.1%	565	561	-4	-0.7%
75.3%	561	553	-8	-1.3%
76.5%	556	552	-5	-0.8%
77.8%	537	546	8	1.6%
79.0%	536	543	7	1.3%
80.2%	533	540	6	1.2%
81.5%	530	536	6	1.2%
82.7%	527	536	9	1.6%
84.0%	524	532	8	1.5%
85.2%	508	504	-4	-0.9%
86.4%	505	497	-8	-1.6%
87.7%	498	490	-8	-1.6%
88.9%	489	490	1	0.2%
90.1%	488	486	-2	-0.4%
91.4%	457	482	25	5.5%
92.6%	448	462	14	3.1%
93.8%	445	438	-8	-1.7%
95.1%	438	416	-22	-5.0%
96.3%	432	411	-20	-4.7%
97.5%	417	407	-10	-2.5%
98.8%	308	391	84	27.2%
100.0%	244	313	69	28.1%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	994	994	0	0.0%
3.7%	986	984	-2	-0.2%
4.9%	845	965	120	14.2%
6.2%	842	842	0	0.0%
7.4%	803	804	1	0.1%
8.6%	792	776	-16	-2.0%
9.9%	789	743	-45	-5.7%
11.1%	777	738	-40	-5.1%
12.3%	775	715	-60	-7.7%
13.6%	748	706	-42	-5.6%
14.8%	743	704	-39	-5.2%
16.0%	736	698	-38	-5.1%
17.3%	718	695	-23	-3.2%
18.5%	714	691	-22	-3.1%
19.8%	699	689	-11	-1.5%
21.0%	695	683	-12	-1.7%
22.2%	694	682	-12	-1.8%
23.5%	691	676	-15	-2.1%
24.7%	690	676	-15	-2.1%
25.9%	689	673	-16	-2.3%
27.2%	675	672	-3	-0.4%
28.4%	674	667	-7	-1.0%
29.6%	659	651	-8	-1.3%
30.9%	646	642	-4	-0.6%
32.1%	645	640	-5	-0.7%
33.3%	642	637	-5	-0.8%
34.6%	621	630	9	1.5%
35.8%	611	595	-16	-2.6%
37.0%	596	588	-8	-1.4%
38.3%	589	584	-5	-0.9%
39.5%	586	582	-3	-0.5%
40.7%	582	566	-16	-2.7%
42.0%	579	543	-37	-6.3%
43.2%	576	543	-34	-5.9%
44.4%	574	534	-40	-6.9%
45.7%	556	521	-35	-6.3%
46.9%	546	516	-31	-5.6%
48.1%	539	510	-29	-5.3%
49.4%	534	506	-28	-5.2%
50.6%	519	506	-13	-2.5%
51.9%	511	505	-6	-1.2%
53.1%	509	501	-8	-1.6%
54.3%	505	497	-8	-1.6%
55.6%	502	494	-8	-1.6%
56.8%	498	492	-6	-1.2%
58.0%	492	490	-2	-0.4%
59.3%	490	488	-2	-0.5%
60.5%	488	481	-7	-1.4%
61.7%	486	478	-8	-1.6%
63.0%	476	475	-1	-0.2%
64.2%	463	461	-2	-0.5%
65.4%	463	450	-13	-2.8%
66.7%	460	447	-13	-2.8%
67.9%	450	445	-5	-1.1%
69.1%	448	441	-7	-1.5%
70.4%	446	438	-8	-1.7%
71.6%	445	437	-8	-1.8%
72.8%	439	435	-4	-0.9%
74.1%	439	421	-18	-4.1%
75.3%	439	418	-21	-4.8%
76.5%	436	416	-20	-4.6%
77.8%	423	412	-11	-2.6%
79.0%	415	410	-5	-1.2%
80.2%	406	406	-1	-0.2%
81.5%	401	397	-4	-1.0%
82.7%	396	390	-6	-1.5%
84.0%	392	383	-9	-2.2%
85.2%	383	379	-4	-1.1%
86.4%	380	378	-1	-0.4%
87.7%	378	377	-1	-0.3%
88.9%	370	367	-3	-0.8%
90.1%	360	356	-4	-1.1%
91.4%	353	349	-3	-1.0%
92.6%	351	337	-15	-4.2%
93.8%	344	336	-7	-2.1%
95.1%	314	317	3	0.9%
96.3%	313	303	-9	-3.0%
97.5%	297	291	-6	-2.0%
98.8%	268	283	15	5.6%
100.0%	232	259	27	11.6%

Table SW-45-b

San Luis Reservoir (SWP), End of Month Storage

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	808	810	2	0.2%
2.5%	806	804	-2	-0.2%
3.7%	783	783	0	-0.1%
4.9%	706	755	48	6.8%
6.2%	680	694	14	2.0%
7.4%	654	630	-24	-3.7%
8.6%	626	604	-22	-3.6%
9.9%	622	602	-20	-3.1%
11.1%	612	564	-48	-7.8%
12.3%	595	549	-46	-7.8%
13.6%	586	536	-50	-8.5%
14.8%	568	530	-38	-6.7%
16.0%	538	522	-16	-2.9%
17.3%	523	518	-4	-0.8%
18.5%	519	511	-9	-1.7%
19.8%	516	500	-16	-3.1%
21.0%	509	494	-14	-2.8%
22.2%	485	482	-3	-0.6%
23.5%	479	452	-27	-5.6%
24.7%	478	450	-29	-6.0%
25.9%	470	448	-22	-4.7%
27.2%	452	442	-10	-2.2%
28.4%	451	436	-15	-3.4%
29.6%	448	431	-17	-3.8%
30.9%	444	422	-22	-5.0%
32.1%	443	421	-23	-5.1%
33.3%	430	412	-18	-4.2%
34.6%	426	408	-19	-4.4%
35.8%	425	405	-19	-4.6%
37.0%	423	403	-20	-4.6%
38.3%	421	398	-23	-5.4%
39.5%	417	392	-26	-6.1%
40.7%	407	387	-20	-4.9%
42.0%	407	385	-22	-5.3%
43.2%	400	385	-15	-3.7%
44.4%	396	382	-14	-3.5%
45.7%	393	382	-11	-2.7%
46.9%	392	369	-23	-5.9%
48.1%	391	354	-37	-9.4%
49.4%	367	344	-23	-6.3%
50.6%	351	343	-8	-2.2%
51.9%	348	318	-30	-8.7%
53.1%	342	311	-31	-9.0%
54.3%	341	307	-33	-9.8%
55.6%	335	305	-31	-9.2%
56.8%	332	299	-33	-10.0%
58.0%	326	299	-27	-8.2%
59.3%	318	295	-23	-7.1%
60.5%	300	294	-6	-2.0%
61.7%	297	290	-7	-2.4%
63.0%	290	285	-5	-1.9%
64.2%	289	275	-14	-4.8%
65.4%	284	262	-22	-7.6%
66.7%	281	260	-22	-7.7%
67.9%	274	256	-19	-6.8%
69.1%	273	254	-19	-6.9%
70.4%	258	248	-10	-3.8%
71.6%	254	243	-10	-4.1%
72.8%	248	236	-12	-4.8%
74.1%	244	236	-9	-3.5%
75.3%	232	233	0	0.2%
76.5%	227	230	3	1.3%
77.8%	227	221	-6	-2.8%
79.0%	227	216	-10	-4.6%
80.2%	216	214	-2	-0.8%
81.5%	210	212	2	1.0%
82.7%	209	207	-3	-1.3%
84.0%	196	182	-14	-7.2%
85.2%	195	178	-17	-8.8%
86.4%	183	178	-5	-2.5%
87.7%	182	172	-11	-5.8%
88.9%	179	167	-12	-6.9%
90.1%	176	166	-11	-6.0%
91.4%	172	164	-7	-4.3%
92.6%	165	144	-21	-12.9%
93.8%	152	120	-33	-21.6%
95.1%	145	117	-28	-19.0%
96.3%	134	105	-28	-21.0%
97.5%	131	94	-38	-28.8%
98.8%	124	81	-43	-35.0%
100.0%	116	80	-37	-31.4%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	746	741	-5	-0.7%
2.5%	737	709	-28	-3.7%
3.7%	713	694	-19	-2.6%
4.9%	710	675	-35	-4.9%
6.2%	689	640	-49	-7.2%
7.4%	677	610	-67	-10.0%
8.6%	661	596	-65	-9.9%
9.9%	644	591	-53	-8.3%
11.1%	624	581	-43	-6.9%
12.3%	574	559	-15	-2.7%
13.6%	568	541	-27	-4.7%
14.8%	541	536	-5	-0.9%
16.0%	534	524	-10	-1.8%
17.3%	523	522	-1	-0.2%
18.5%	491	497	5	1.1%
19.8%	490	495	5	1.0%
21.0%	490	491	1	0.2%
22.2%	473	490	17	3.6%
23.5%	465	479	14	3.0%
24.7%	462	465	3	0.7%
25.9%	456	462	6	1.4%
27.2%	451	462	12	2.6%
28.4%	450	455	6	1.3%
29.6%	448	455	7	1.6%
30.9%	434	438	5	1.0%
32.1%	429	432	3	0.7%
33.3%	421	427	6	1.3%
34.6%	421	419	-2	-0.4%
35.8%	415	414	-1	-0.3%
37.0%	410	401	-8	-2.0%
38.3%	406	398	-8	-2.0%
39.5%	405	393	-12	-2.9%
40.7%	402	392	-9	-2.3%
42.0%	399	390	-9	-2.2%
43.2%	389	377	-12	-3.1%
44.4%	385	376	-9	-2.3%
45.7%	371	373	2	0.6%
46.9%	370	371	1	0.2%
48.1%	366	359	-7	-2.0%
49.4%	360	353	-7	-1.9%
50.6%	351	352	1	0.3%
51.9%	351	345	-6	-1.8%
53.1%	328	341	13	3.8%
54.3%	326	327	1	0.4%
55.6%	323	324	2	0.5%
56.8%	323	323	1	0.2%
58.0%	318	316	-2	-0.5%
59.3%	311	316	5	1.6%
60.5%	302	308	5	1.8%
61.7%	301	305	4	1.4%
63.0%	297	300	3	1.0%
64.2%	294	294	0	0.0%
65.4%	282	288	7	2.3%
66.7%	281	282	2	0.5%
67.9%	273	263	-10	-3.5%
69.1%	272	262	-10	-3.7%
70.4%	268	260	-7	-2.7%
71.6%	264	259	-5	-2.1%
72.8%	255	258	4	1.5%
74.1%	251	237	-13	-5.3%
75.3%	246	234	-12	-5.0%
76.5%	244	228	-16	-6.5%
77.8%	241	223	-18	-7.6%
79.0%	239	219	-20	-8.3%
80.2%	238	207	-31	-13.0%
81.5%	237	207	-30	-12.8%
82.7%	211	195	-16	-7.8%
84.0%	202	192	-10	-5.0%
85.2%	201	191	-10	-5.1%
86.4%	194	186	-8	-4.0%
87.7%	191	149	-42	-22.0%
88.9%	177	147	-30	-16.8%
90.1%	167	147	-20	-12.2%
91.4%	165	133	-33	-19.8%
92.6%	164	132	-33	-20.0%
93.8%	150	120	-30	-19.8%
95.1%	137	102	-35	-25.4%
96.3%	125	88	-37	-29.6%
97.5%	119	81	-37	-31.5%
98.8%	107	74	-33	-30.7%
100.0%	55	70	15	28.0%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	998	998	0	0.0%
1.2%	658	658	0	0.0%
2.5%	632	636	5	0.7%
3.7%	619	631	12	2.0%
4.9%	587	600	14	2.3%
6.2%	579	579	0	0.0%
7.4%	562	576	14	2.5%
8.6%	561	564	2	0.4%
9.9%	558	515	-43	-7.7%
11.1%	557	511	-47	-8.4%
12.3%	542	503	-39	-7.1%
13.6%	511	500	-11	-2.1%
14.8%	500	495	-6	-1.1%
16.0%	486	476	-11	-2.2%
17.3%	485	475	-9	-2.0%
18.5%	476	475	-1	-0.1%
19.8%	467	466	-1	-0.3%
21.0%	465	458	-7	-1.5%
22.2%	463	453	-10	-2.2%
23.5%	457	446	-10	-2.3%
24.7%	447	433	-14	-3.2%
25.9%	428	431	3	0.7%
27.2%	416	427	11	2.7%
28.4%	412	422	10	2.3%
29.6%	409	416	7	1.6%
30.9%	403	399	-4	-0.9%
32.1%	403	394	-9	-2.3%
33.3%	400	389	-11	-2.6%
34.6%	390	381	-9	-2.4%
35.8%	381	378	-3	-0.9%
37.0%	378	377	-1	-0.2%
38.3%	377	365	-13	-3.4%
39.5%	375	364	-11	-2.9%
40.7%	369	346	-23	-6.2%
42.0%	367	346	-21	-5.8%
43.2%	360	344	-17	-4.7%
44.4%	342	334	-7	-2.1%
45.7%	336	333	-3	-0.8%
46.9%	336	331	-4	-1.3%
48.1%	310	326	15	4.9%
49.4%	307	325	18	5.8%
50.6%	303	315	13	4.2%
51.9%	298	291	-6	-2.1%
53.1%	296	274	-22	-7.4%
54.3%	294	274	-20	-6.8%
55.6%	282	272	-10	-3.7%
56.8%	272	255	-18	-6.4%
58.0%	271	254	-17	-6.4%
59.3%	263	242	-21	-8.1%
60.5%	262	238	-25	-9.4%
61.7%	257	230	-27	-10.4%
63.0%	243	221	-22	-8.9%
64.2%	236	217	-19	-8.2%
65.4%	232	215	-17	-7.4%
66.7%	227	214	-13	-5.8%
67.9%	224	214	-11	-4.7%
69.1%	210	213	3	1.5%
70.4%	206	202	-4	-2.0%
71.6%	205	198	-7	-3.5%
72.8%	197	189	-7	-3.8%
74.1%	196	189	-7	-3.8%
75.3%	191	181	-9	-4.9%
76.5%	172	179	7	4.1%
77.8%	169	169	0	0.1%
79.0%	162	161	0	-0.3%
80.2%	159	157	-2	-1.2%
81.5%	146	152	7	4.5%
82.7%	144	152	8	5.7%
84.0%	142	152	10	6.7%
85.2%	137	119	-18	-13.2%
86.4%	135	100	-35	-25.7%
87.7%	134	94	-40	-29.9%
88.9%	131	93	-38	-29.0%
90.1%	129	85	-44	-33.9%
91.4%	124	74	-50	-40.2%
92.6%	109	64	-46	-41.8%
93.8%	103	55	-48	-46.8%
95.1%	93	55	-38	-40.9%
96.3%	85	55	-30	-35.4%
97.5%	55	55	0	0.0%
98.8%	55	55	0	0.0%
100.0%	55	55	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,014	1,014	0	0.0%
1.2%	626	626	0	-0.1%
2.5%	584	597	13	2.3%
3.7%	561	577	16	2.8%
4.9%	498	531	32	6.5%
6.2%	455	488	33	7.2%
7.4%	435	473	38	8.8%
8.6%	433	462	29	6.7%
9.9%	419	459	40	9.6%
11.1%	402	457	55	13.7%
12.3%	399	449	50	12.5%
13.6%	382	441	59	15.5%
14.8%	354	418	64	18.0%
16.0%	353	414	61	17.4%
17.3%	335	366	32	9.5%
18.5%	332	350	18	5.4%
19.8%	331	340	8	2.4%
21.0%	330	334	4	1.1%
22.2%	325	329	4	1.3%
23.5%	324	324	0	0.1%
24.7%	323	324	0	0.1%
25.9%	323	321	-2	-0.6%
27.2%	322	320	-3	-0.8%
28.4%	322	320	-2	-0.6%
29.6%	321	318	-3	-1.0%
30.9%	320	314	-5	-1.7%
32.1%	315	310	-5	-1.5%
33.3%	310	310	0	0.0%
34.6%	310	310	0	0.0%
35.8%	310	310	0	0.0%
37.0%	310	310	0	0.0%
38.3%	310	310	0	0.0%
39.5%	310	310	0	0.0%
40.7%	310	310	0	0.0%
42.0%	310	310	0	0.0%
43.2%	310	310	0	0.0%
44.4%	310	310	0	0.0%
45.7%	310	310	0	0.0%
46.9%	310	310	0	0.0%
48.1%	310	310	0	0.0%
49.4%	310	310	0	0.0%
50.6%	310	310	0	0.0%
51.9%	310	310	0	0.0%
53.1%	310	310	0	0.0%
54.3%	310	309	-1	-0.3%
55.6%	310	306	-4	-1.3%
56.8%	310	300	-10	-3.2%
58.0%	310	295	-15	-4.9%
59.3%	310	280	-30	-9.5%
60.5%	285	278	-7	-2.5%
61.7%	280	278	-2	-0.9%
63.0%	279	277	-1	-0.4%
64.2%	270	271	1	0.3%
65.4%	263	267	4	1.6%
66.7%	262	264	1	0.5%
67.9%	257	260	3	1.3%
69.1%	254	258	4	1.6%
70.4%	238	257	19	8.1%
71.6%	233	240	7	3.1%
72.8%	216	239	23	10.8%
74.1%	215	234	19	8.6%
75.3%	203	226	23	11.2%
76.5%	194	223	28	14.6%
77.8%	181	222	41	22.5%
79.0%	174	194	20	11.7%
80.2%	172	188	16	9.6%
81.5%	171	188	16	9.5%
82.7%	162	163	2	1.0%
84.0%	158	161	3	1.7%
85.2%	155	160	6	3.8%
86.4%	149	155	7	4.4%
87.7%	130	138	8	6.5%
88.9%	110	135	25	22.6%
90.1%	108	130	21	19.7%
91.4%	100	129	29	28.8%
92.6%	89	90	2	1.7%
93.8%	66	55	-11	-16.6%
95.1%	55	55	0	0.0%
96.3%	55	55	0	0.0%
97.5%	55	55	0	0.0%
98.8%	55	55	0	0.0%
100.0%	55	55	0	0.0%

Sacramento-San Joaquin Delta Operations

Summary Tables and Bar Charts

Table SW-30-a
Sacramento River below Hood, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	10,769	14,464	23,749	35,717	43,225	36,124	20,758	11,827	13,024	18,677	13,160	16,704
WSIP 2070 With Project	11,189	14,618	23,046	34,403	42,168	34,947	20,525	11,844	13,402	19,188	13,762	17,771
Difference	420	154	-703	-1,314	-1,057	-1,176	-232	18	378	511	602	1,067
Percent Difference[3]	3.9%	1.1%	-3.0%	-3.7%	-2.4%	-3.3%	-1.1%	0.1%	2.9%	2.7%	4.6%	6.4%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	13,010	17,640	27,403	58,490	65,044	54,371	33,586	13,884	14,752	20,999	15,052	27,130
WSIP 2070 With Project	13,765	17,254	25,909	57,654	64,578	53,786	33,375	13,744	14,985	21,067	15,438	27,068
Difference	754	-386	-1,493	-836	-466	-585	-211	-140	234	68	387	-63
Percent Difference	5.8%	-2.2%	-5.4%	-1.4%	-0.7%	-1.1%	-0.6%	-1.0%	1.6%	0.3%	2.6%	-0.2%
Above Normal (13.4%)												
WSIP 2070 Without Project	12,912	17,333	21,091	45,071	60,608	44,667	19,954	13,311	14,001	22,272	15,345	20,807
WSIP 2070 With Project	13,464	17,459	20,721	43,492	59,740	43,166	19,348	13,197	14,093	23,049	15,912	20,568
Difference	552	126	-370	-1,579	-868	-1,502	-606	-115	92	778	567	-238
Percent Difference	4.3%	0.7%	-1.8%	-3.5%	-1.4%	-3.4%	-3.0%	-0.9%	0.7%	3.5%	3.7%	-1.1%
Below Normal (15.9%)												
WSIP 2070 Without Project	9,338	15,858	28,009	28,074	31,335	29,958	17,088	11,829	13,035	21,299	14,328	11,210
WSIP 2070 With Project	10,126	16,347	28,580	25,626	30,266	27,998	16,975	11,668	13,455	21,670	14,887	13,195
Difference	788	489	571	-2,447	-1,069	-1,960	-113	-160	420	371	559	1,986
Percent Difference	8.4%	3.1%	2.0%	-8.7%	-3.4%	-6.5%	-0.7%	-1.4%	3.2%	1.7%	3.9%	17.7%
Dry (24.4%)												
WSIP 2070 Without Project	9,822	12,146	23,653	18,177	28,591	24,810	12,979	10,648	12,145	16,229	10,746	9,990
WSIP 2070 With Project	9,958	12,556	23,412	16,902	26,403	23,038	12,642	11,060	12,723	17,114	12,026	12,460
Difference	136	410	-241	-1,276	-2,188	-1,771	-336	411	578	884	1,281	2,470
Percent Difference	1.4%	3.4%	-1.0%	-7.0%	-7.7%	-7.1%	-2.6%	3.9%	4.8%	5.4%	11.9%	24.7%
Critical (14.6%)												
WSIP 2070 Without Project	7,076	7,307	13,812	15,311	17,286	14,291	10,639	7,969	9,838	11,588	9,819	7,492
WSIP 2070 With Project	6,725	7,867	12,367	14,369	16,673	13,974	10,749	7,986	10,414	12,346	9,832	8,873
Difference	-351	560	-1,445	-943	-613	-317	110	18	576	758	13	1,381
Percent Difference	-5.0%	7.7%	-10.5%	-6.2%	-3.5%	-2.2%	1.0%	0.2%	5.9%	6.5%	0.1%	18.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-31-a
Yolo Bypass, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	145	198	4,415	16,387	21,977	11,678	2,512	110	83	48	111	102
WSIP 2070 With Project	320	190	4,130	15,772	21,148	10,994	2,359	109	83	69	282	344
Difference	176	-8	-285	-615	-830	-684	-153	0	0	21	171	242
Percent Difference[3]			-6.5%	-3.8%	-3.8%	-5.9%	-6.1%					
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	87	229	5,255	45,154	51,837	31,217	6,942	140	120	48	147	167
WSIP 2070 With Project	394	198	5,194	43,694	50,604	29,750	6,545	139	120	48	357	522
Difference	306	-31	-61	-1,461	-1,233	-1,467	-397	-1	0	0	210	354
Percent Difference			-1.2%	-3.2%	-2.4%	-4.7%	-5.7%					
Above Normal (13.4%)												
WSIP 2070 Without Project	35	159	2,379	12,344	32,290	8,356	947	196	65	48	98	67
WSIP 2070 With Project	265	139	1,951	11,580	30,562	7,847	750	196	65	174	240	345
Difference	229	-20	-427	-764	-1,728	-509	-197	0	0	126	142	278
Percent Difference			-18.0%	-6.2%	-5.4%	-6.1%	-20.8%					
Below Normal (15.9%)												
WSIP 2070 Without Project	48	229	3,748	1,976	3,139	1,489	614	66	67	48	118	91
WSIP 2070 With Project	282	233	3,284	1,761	2,210	1,392	610	66	67	76	268	379
Difference	234	3	-464	-215	-929	-97	-5	0	0	27	150	288
Percent Difference		1.4%	-12.4%	-10.9%	-29.6%	-6.5%	-0.7%				127.1%	
Dry (24.4%)												
WSIP 2070 Without Project	403	263	7,272	226	2,689	1,559	292	76	67	48	61	61
WSIP 2070 With Project	440	280	6,789	161	2,455	1,097	292	76	67	48	274	225
Difference	37	17	-483	-64	-233	-462	0	0	0	0	213	164
Percent Difference	9.2%	6.5%	-6.6%	-28.5%	-8.7%	-29.6%	0.0%					
Critical (14.6%)												
WSIP 2070 Without Project	41	24	425	310	384	291	107	68	64	48	120	75
WSIP 2070 With Project	53	24	305	312	366	135	107	68	64	48	185	121
Difference	11	0	-120	2	-18	-156	0	0	0	0	65	45
Percent Difference	27.1%	-0.6%	-28.3%	0.8%	-4.7%	-53.7%	0.0%	0.0%	0.0%	0.0%	54.3%	60.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-32-a
Sacramento River at Rio Vista, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	6,473	10,681	23,503	46,796	58,829	41,974	19,091	8,633	7,128	10,446	7,194	11,099
WSIP 2070 With Project	6,999	10,758	22,538	45,035	57,074	40,261	18,734	8,647	7,441	10,870	7,768	11,988
Difference	526	78	-965	-1,761	-1,755	-1,713	-357	14	313	424	573	889
Percent Difference[3]	8.1%	0.7%	-4.1%	-3.8%	-3.0%	-4.1%	-1.9%	0.2%	4.4%	4.1%	8.0%	8.0%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	8,204	13,707	27,498	95,923	107,895	77,618	34,793	10,467	8,382	11,992	8,482	20,907
WSIP 2070 With Project	9,229	13,269	25,992	93,733	106,256	75,640	34,212	10,344	8,708	12,038	8,951	21,041
Difference	1,025	-437	-1,506	-2,190	-1,639	-1,978	-581	-124	326	46	469	133
Percent Difference	12.5%	-3.2%	-5.5%	-2.3%	-1.5%	-2.5%	-1.7%	-1.2%	3.9%	0.4%	5.5%	0.6%
Above Normal (13.4%)												
WSIP 2070 Without Project	8,017	13,241	19,030	51,055	84,667	45,975	16,792	10,012	7,806	12,837	8,667	12,486
WSIP 2070 With Project	8,740	13,372	18,202	48,915	82,183	44,157	16,066	9,911	7,870	13,928	9,192	12,605
Difference	723	131	-827	-2,141	-2,484	-1,819	-726	-101	64	1,092	525	118
Percent Difference	9.0%	1.0%	-4.3%	-4.2%	-2.9%	-4.0%	-4.3%	-1.0%	0.8%	8.5%	6.1%	0.9%
Below Normal (15.9%)												
WSIP 2070 Without Project	5,022	11,801	26,641	25,475	29,398	26,357	13,937	8,586	7,088	12,185	7,988	6,106
WSIP 2070 With Project	5,844	12,161	26,638	23,125	27,536	24,546	13,831	8,446	7,379	12,461	8,513	7,724
Difference	822	360	-3	-2,349	-1,862	-1,812	-107	-140	291	276	525	1,618
Percent Difference	16.4%	3.1%	0.0%	-9.2%	-6.3%	-6.9%	-0.8%	-1.6%	4.1%	2.3%	6.6%	26.5%
Dry (24.4%)												
WSIP 2070 Without Project	6,030	8,492	26,342	15,000	26,655	21,925	10,081	7,557	6,465	8,814	5,510	5,282
WSIP 2070 With Project	6,149	8,799	25,619	13,823	24,510	19,918	9,784	7,912	6,863	9,411	6,579	7,086
Difference	119	307	-723	-1,177	-2,145	-2,007	-297	355	398	597	1,069	1,804
Percent Difference	2.0%	3.6%	-2.7%	-7.8%	-8.0%	-9.2%	-2.9%	4.7%	6.2%	6.8%	19.4%	34.1%
Critical (14.6%)												
WSIP 2070 Without Project	3,617	4,211	10,815	12,542	14,338	11,411	7,775	5,241	4,940	5,740	5,000	3,679
WSIP 2070 With Project	3,241	4,667	9,453	11,722	13,768	10,967	7,871	5,256	5,336	6,245	5,070	4,597
Difference	-376	456	-1,362	-820	-570	-444	96	15	396	505	71	918
Percent Difference	-10.4%	10.8%	-12.6%	-6.5%	-4.0%	-3.9%	1.2%	0.3%	8.0%	8.8%	1.4%	25.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-33-a
Sacramento/San Joaquin River Delta, Monthly Outflow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Outflow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	7,754	10,742	25,856	56,001	71,602	53,124	28,858	14,055	8,169	9,249	4,369	10,125
WSIP 2070 With Project	8,058	10,623	24,544	54,089	69,784	51,313	28,436	13,995	8,470	9,277	4,637	10,536
Difference	304	-119	-1,312	-1,912	-1,818	-1,812	-422	-60	301	28	268	411
Percent Difference[3]	3.9%	-1.1%	-5.1%	-3.4%	-2.5%	-3.4%	-1.5%	-0.4%	3.7%	0.3%	6.1%	4.1%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	10,697	15,615	30,503	118,044	131,907	101,202	53,090	21,136	10,177	12,158	4,000	21,214
WSIP 2070 With Project	11,064	15,181	28,660	115,794	130,392	99,021	52,458	20,910	10,374	12,119	4,213	21,451
Difference	367	-434	-1,843	-2,251	-1,516	-2,182	-631	-225	197	-39	213	237
Percent Difference	3.4%	-2.8%	-6.0%	-1.9%	-1.1%	-2.2%	-1.2%	-1.1%	1.9%	-0.3%		1.1%
Above Normal (13.4%)												
WSIP 2070 Without Project	8,878	12,100	17,493	60,774	104,346	56,760	26,907	15,536	8,039	13,271	4,050	12,457
WSIP 2070 With Project	9,238	11,897	16,667	58,621	101,743	55,114	26,095	15,397	8,118	13,671	4,147	12,706
Difference	360	-203	-826	-2,152	-2,603	-1,646	-812	-139	79	400	97	248
Percent Difference	4.1%	-1.7%	-4.7%	-3.5%	-2.5%	-2.9%	-3.0%	-0.9%	1.0%	3.0%	2.4%	2.0%
Below Normal (15.9%)												
WSIP 2070 Without Project	5,691	10,838	31,345	29,246	35,077	31,715	21,553	12,730	7,598	9,741	4,299	3,258
WSIP 2070 With Project	6,450	10,946	30,413	26,612	33,158	29,942	21,444	12,460	7,820	9,765	4,430	3,963
Difference	759	109	-932	-2,633	-1,918	-1,774	-109	-270	223	24	131	705
Percent Difference	13.3%	1.0%	-3.0%	-9.0%	-5.5%	-5.6%	-0.5%	-2.1%	2.9%	0.2%	3.1%	21.6%
Dry (24.4%)												
WSIP 2070 Without Project	6,665	7,274	29,616	15,807	32,236	26,374	14,807	9,608	7,134	5,937	4,858	3,105
WSIP 2070 With Project	6,876	6,889	29,015	14,530	29,720	24,049	14,353	9,921	7,630	5,826	5,343	3,626
Difference	212	-385	-602	-1,277	-2,515	-2,325	-454	313	496	-111	485	522
Percent Difference	3.2%	-5.3%	-2.0%	-8.1%	-7.8%	-8.8%	-3.1%	3.3%	6.9%	-1.9%	10.0%	16.8%
Critical (14.6%)												
WSIP 2070 Without Project	4,399	4,612	11,242	13,176	16,105	13,400	9,476	6,202	6,282	4,250	4,722	3,104
WSIP 2070 With Project	4,175	5,454	9,037	11,942	15,621	13,053	9,580	6,180	6,773	4,317	5,053	3,535
Difference	-224	842	-2,205	-1,234	-484	-347	104	-22	492	67	331	431
Percent Difference	-5.1%	18.2%	-19.6%	-9.4%	-3.0%	-2.6%	1.1%	-0.4%	7.8%	1.6%	7.0%	13.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-34-a
Delta Cross Channel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	4,055	3,716	4,565	5,740	6,700	5,792	3,827	2,684	4,936	7,127	5,304	5,182
WSIP 2070 With Project	4,111	3,776	4,539	5,572	6,565	5,642	3,797	2,687	4,999	7,236	5,503	5,591
Difference	56	60	-25	-168	-135	-150	-30	2	63	109	199	409
Percent Difference[3]	1.4%	1.6%	-0.6%	-2.9%	-2.0%	-2.6%	-0.8%	0.1%	1.3%	1.5%	3.7%	7.9%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	4,463	3,902	5,049	8,653	9,491	8,126	5,467	2,948	5,460	7,894	5,929	5,843
WSIP 2070 With Project	4,499	3,922	4,996	8,546	9,431	8,051	5,440	2,930	5,369	7,916	6,057	6,001
Difference	36	20	-53	-107	-60	-75	-27	-18	-92	22	128	158
Percent Difference	0.8%	0.5%	-1.0%	-1.2%	-0.6%	-0.9%	-0.5%	-0.6%	-1.7%	0.3%	2.2%	2.7%
Above Normal (13.4%)												
WSIP 2070 Without Project	4,528	3,963	4,326	6,936	8,924	6,885	3,724	2,874	5,233	8,315	6,026	7,830
WSIP 2070 With Project	4,586	3,938	4,360	6,734	8,813	6,693	3,646	2,860	5,261	8,127	6,213	7,752
Difference	59	-25	34	-202	-111	-192	-78	-15	28	-188	187	-79
Percent Difference	1.3%	-0.6%	0.8%	-2.9%	-1.2%	-2.8%	-2.1%	-0.5%	0.5%	-2.3%	3.1%	-1.0%
Below Normal (15.9%)												
WSIP 2070 Without Project	3,949	4,014	5,050	4,762	5,180	5,003	3,357	2,685	4,940	7,993	5,690	4,660
WSIP 2070 With Project	4,148	4,135	5,155	4,449	5,043	4,753	3,343	2,664	5,067	8,116	5,875	5,316
Difference	199	120	105	-313	-137	-251	-14	-21	127	123	185	656
Percent Difference	5.0%	3.0%	2.1%	-6.6%	-2.6%	-5.0%	-0.4%	-0.8%	2.6%	1.5%	3.2%	14.1%
Dry (24.4%)												
WSIP 2070 Without Project	3,832	3,642	4,507	3,497	4,829	4,345	2,832	2,534	4,669	6,318	4,506	4,257
WSIP 2070 With Project	3,882	3,753	4,507	3,334	4,549	4,118	2,789	2,586	4,845	6,610	4,930	5,073
Difference	50	111	0	-163	-280	-227	-43	53	175	292	423	816
Percent Difference	1.3%	3.0%	0.0%	-4.7%	-5.8%	-5.2%	-1.5%	2.1%	3.8%	4.6%	9.4%	19.2%
Critical (14.6%)												
WSIP 2070 Without Project	3,223	2,888	3,305	3,130	3,383	3,000	2,533	2,191	3,970	4,785	4,200	3,431
WSIP 2070 With Project	3,178	2,959	3,102	3,010	3,304	2,959	2,547	2,193	4,144	5,035	4,204	3,888
Difference	-45	71	-203	-121	-78	-41	14	2	175	250	4	456
Percent Difference	-1.4%	2.5%	-6.1%	-3.9%	-2.3%	-1.4%	0.6%	0.1%	4.4%	5.2%	0.1%	13.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-35-a
Old and Middle River, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	-4,059	-5,583	-5,063	-2,578	-1,591	-1,381	1,213	441	-3,396	-6,946	-7,346	-6,409
WSIP 2070 With Project	-4,322	-5,816	-5,355	-2,568	-1,526	-1,332	1,186	382	-3,462	-7,412	-7,825	-7,229
Difference	-263	-232	-291	9	66	48	-27	-59	-66	-466	-479	-820
Percent Difference[3]							-2.2%	-13.5%				
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	-3,659	-4,766	-5,714	-144	101	1,666	3,493	2,216	-4,472	-6,842	-9,674	-6,326
WSIP 2070 With Project	-4,292	-4,779	-5,972	-104	273	1,554	3,481	2,151	-4,495	-6,940	-10,045	-6,376
Difference	-632	-13	-259	40	172	-111	-12	-64	-23	-98	-371	-49
Percent Difference						-6.7%	-0.3%	-2.9%				
Above Normal (13.4%)												
WSIP 2070 Without Project	-5,257	-6,363	-7,450	-2,685	-535	-3,261	1,384	578	-4,537	-6,364	-9,611	-7,675
WSIP 2070 With Project	-5,668	-6,662	-7,461	-2,487	-540	-2,894	1,383	584	-4,550	-6,809	-10,248	-7,466
Difference	-411	-299	-11	198	-4	368	-2	7	-13	-446	-637	209
Percent Difference							-0.1%	1.1%				
Below Normal (15.9%)												
WSIP 2070 Without Project	-4,472	-7,348	-4,287	-3,511	-2,900	-3,896	477	-121	-3,304	-8,682	-8,350	-7,520
WSIP 2070 With Project	-4,706	-7,679	-5,223	-3,511	-2,819	-3,639	487	-218	-3,485	-9,006	-8,887	-8,950
Difference	-235	-331	-937	0	80	258	10	-97	-181	-324	-537	-1,429
Percent Difference							2.2%					
Dry (24.4%)												
WSIP 2070 Without Project	-4,305	-6,230	-4,220	-4,414	-2,574	-2,286	-90	-754	-2,666	-7,559	-4,517	-6,442
WSIP 2070 With Project	-4,278	-6,969	-4,114	-4,371	-2,662	-2,369	-190	-834	-2,738	-8,498	-5,477	-8,371
Difference	27	-739	106	43	-88	-83	-99	-81	-72	-938	-960	-1,929
Percent Difference												
Critical (14.6%)												
WSIP 2070 Without Project	-3,226	-3,442	-3,844	-3,511	-2,799	-1,878	-788	-846	-1,296	-4,690	-3,745	-3,938
WSIP 2070 With Project	-3,087	-3,162	-4,426	-3,771	-2,659	-1,753	-789	-879	-1,369	-5,329	-3,503	-4,845
Difference	139	279	-582	-260	140	125	-1	-33	-73	-639	242	-906
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-36-a
Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	4,636	6,355	7,939	6,942	7,362	6,854	2,631	2,256	3,858	7,111	7,647	7,154
WSIP 2070 With Project	4,918	6,590	8,264	6,927	7,287	6,796	2,657	2,312	3,926	7,602	8,163	8,045
Difference	281	236	325	-14	-74	-57	26	56	68	492	517	891
Percent Difference[3]	6.1%	3.7%	4.1%	-0.2%	-1.0%	-0.8%	1.0%	2.5%	1.8%	6.9%	6.8%	12.5%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	4,417	5,702	9,514	9,519	10,959	9,440	3,647	3,388	6,082	7,664	10,400	7,292
WSIP 2070 With Project	5,094	5,713	9,793	9,463	10,762	9,552	3,636	3,424	6,098	7,770	10,791	7,351
Difference	677	12	278	-56	-197	112	-11	36	16	107	390	59
Percent Difference	15.3%	0.2%	2.9%	-0.6%	-1.8%	1.2%	-0.3%	1.1%	0.3%	1.4%	3.8%	0.8%
Above Normal (13.4%)												
WSIP 2070 Without Project	5,713	7,386	9,143	6,291	8,980	9,382	2,680	1,748	5,187	6,767	10,272	8,741
WSIP 2070 With Project	6,132	7,695	9,167	6,101	8,986	9,007	2,677	1,746	5,200	7,216	10,899	8,534
Difference	419	309	23	-190	6	-374	-3	-2	13	449	627	-206
Percent Difference	7.3%	4.2%	0.3%	-3.0%	0.1%	-4.0%	-0.1%	-0.1%	0.3%	6.6%	6.1%	-2.4%
Below Normal (15.9%)												
WSIP 2070 Without Project	5,020	8,339	8,137	5,498	5,546	7,133	2,543	2,038	3,318	8,667	8,638	8,297
WSIP 2070 With Project	5,261	8,638	9,188	5,476	5,458	6,850	2,537	2,148	3,514	9,012	9,219	9,865
Difference	240	299	1,051	-22	-88	-283	-6	110	196	345	581	1,568
Percent Difference	4.8%	3.6%	12.9%	-0.4%	-1.6%	-4.0%	-0.2%	5.4%	5.9%	4.0%	6.7%	18.9%
Dry (24.4%)												
WSIP 2070 Without Project	4,808	6,906	6,899	6,173	4,929	4,246	2,066	1,752	2,464	7,393	4,457	7,111
WSIP 2070 With Project	4,773	7,675	6,794	6,122	5,027	4,337	2,191	1,842	2,541	8,387	5,500	9,192
Difference	-35	768	-106	-51	98	91	125	90	78	994	1,043	2,081
Percent Difference	-0.7%	11.1%	-1.5%	-0.8%	2.0%	2.1%	6.0%	5.1%	3.2%	13.4%	23.4%	29.3%
Critical (14.6%)												
WSIP 2070 Without Project	3,422	3,754	4,941	4,799	4,105	2,976	1,422	1,346	729	4,072	3,516	4,232
WSIP 2070 With Project	3,292	3,450	5,576	5,105	3,952	2,840	1,423	1,382	806	4,759	3,258	5,217
Difference	-130	-303	635	306	-153	-137	1	36	77	687	-259	985
Percent Difference	-3.8%	-8.1%	12.9%	6.4%	-3.7%	-4.6%	0.0%	2.7%	10.6%	16.9%	-7.4%	23.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-37-a
Jones Pumping Plant (CVP), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	2,497	2,998	3,487	3,133	2,992	2,706	1,263	1,110	1,727	2,348	3,123	2,826
WSIP 2070 With Project	2,262	2,848	3,566	3,080	2,928	2,686	1,284	1,094	1,771	2,654	3,352	3,243
Difference	-236	-150	79	-53	-63	-20	22	-15	44	307	229	417
Percent Difference[3]	-9.4%	-5.0%	2.3%	-1.7%	-2.1%	-0.7%	1.7%	-1.4%	2.5%	13.1%	7.3%	14.7%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	2,028	2,351	4,050	3,792	3,896	3,320	1,557	1,518	2,658	2,198	3,776	2,581
WSIP 2070 With Project	2,230	2,247	4,071	3,704	3,656	3,354	1,619	1,529	2,696	2,254	4,184	2,546
Difference	202	-104	21	-87	-240	34	63	11	38	56	408	-35
Percent Difference	9.9%	-4.4%	0.5%	-2.3%	-6.2%	1.0%	4.0%	0.7%	1.4%	2.6%	10.8%	-1.4%
Above Normal (13.4%)												
WSIP 2070 Without Project	2,733	3,418	3,892	2,903	3,737	3,914	1,341	879	2,276	1,640	3,425	2,749
WSIP 2070 With Project	2,347	3,450	3,985	2,700	3,696	3,454	1,315	889	2,327	2,425	4,051	2,391
Difference	-387	32	93	-203	-41	-460	-26	10	51	785	627	-358
Percent Difference	-14.1%	0.9%	2.4%	-7.0%	-1.1%	-11.8%	-1.9%	1.1%	2.2%	47.9%	18.3%	-13.0%
Below Normal (15.9%)												
WSIP 2070 Without Project	2,556	4,081	3,690	2,749	2,411	3,015	1,188	968	1,427	2,735	3,040	3,145
WSIP 2070 With Project	2,366	3,770	4,037	2,738	2,410	3,098	1,180	978	1,544	3,264	3,574	4,184
Difference	-190	-310	347	-11	-2	84	-8	10	116	529	534	1,039
Percent Difference	-7.4%	-7.6%	9.4%	-0.4%	-0.1%	2.8%	-0.7%	1.0%	8.1%	19.4%	17.6%	33.0%
Dry (24.4%)												
WSIP 2070 Without Project	2,948	3,401	3,104	3,108	2,307	1,985	1,107	961	1,160	2,904	2,429	3,113
WSIP 2070 With Project	2,322	3,382	2,909	3,071	2,386	2,030	1,142	873	1,194	3,189	2,422	4,178
Difference	-627	-19	-195	-37	79	45	35	-88	33	284	-7	1,064
Percent Difference	-21.3%	-0.6%	-6.3%	-1.2%	3.4%	2.3%	3.1%	-9.2%	2.9%	9.8%	-0.3%	34.2%
Critical (14.6%)												
WSIP 2070 Without Project	2,482	2,170	2,315	2,372	2,119	1,137	896	839	474	1,976	2,680	2,601
WSIP 2070 With Project	2,039	1,707	2,672	2,459	2,114	1,183	882	837	465	2,182	2,219	2,953
Difference	-443	-463	357	87	-5	46	-14	-2	-9	206	-461	352
Percent Difference	-17.9%	-21.3%	15.4%	3.7%	-0.2%	4.1%	-1.6%	-0.2%	-1.9%	10.4%	-17.2%	13.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-38-a
Banks Pumping Plant (SWP and CVP), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	2,139	3,357	4,452	3,809	4,370	4,147	1,368	1,147	2,131	4,763	4,523	4,328
WSIP 2070 With Project	2,656	3,742	4,698	3,848	4,359	4,110	1,372	1,218	2,155	4,948	4,811	4,802
Difference	517	386	246	39	-11	-38	4	71	24	185	288	475
Percent Difference[3]	24.2%	11.5%	5.5%	1.0%	-0.2%	-0.9%	0.3%	6.2%	1.1%	3.9%	6.4%	11.0%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	2,389	3,350	5,465	5,727	7,063	6,120	2,091	1,871	3,424	5,466	6,625	4,711
WSIP 2070 With Project	2,864	3,466	5,722	5,759	7,106	6,197	2,017	1,895	3,402	5,516	6,607	4,805
Difference	476	115	257	32	43	78	-74	24	-22	50	-18	94
Percent Difference	19.9%	3.4%	4.7%	0.6%	0.6%	1.3%	-3.5%	1.3%	-0.6%	0.9%	-0.3%	2.0%
Above Normal (13.4%)												
WSIP 2070 Without Project	2,980	3,968	5,252	3,388	5,244	5,467	1,339	869	2,911	5,127	6,848	5,991
WSIP 2070 With Project	3,785	4,246	5,182	3,401	5,290	5,553	1,362	857	2,874	4,792	6,848	6,143
Difference	805	277	-70	13	47	86	23	-12	-38	-335	0	152
Percent Difference	27.0%	7.0%	-1.3%	0.4%	0.9%	1.6%	1.7%	-1.4%	-1.3%	-6.5%	0.0%	2.5%
Below Normal (15.9%)												
WSIP 2070 Without Project	2,464	4,258	4,446	2,749	3,135	4,118	1,355	1,070	1,891	5,933	5,598	5,152
WSIP 2070 With Project	2,894	4,868	5,150	2,738	3,048	3,752	1,357	1,171	1,970	5,748	5,645	5,680
Difference	430	610	704	-11	-86	-367	2	100	80	-184	46	528
Percent Difference	17.5%	14.3%	15.8%	-0.4%	-2.8%	-8.9%	0.2%	9.4%	4.2%	-3.1%	0.8%	10.3%
Dry (24.4%)												
WSIP 2070 Without Project	1,860	3,505	3,795	3,065	2,621	2,261	959	791	1,303	4,489	2,027	3,998
WSIP 2070 With Project	2,452	4,293	3,885	3,051	2,641	2,307	1,049	970	1,348	5,198	3,077	5,015
Difference	592	787	90	-14	19	46	90	178	44	709	1,050	1,017
Percent Difference	31.8%	22.5%	2.4%	-0.5%	0.7%	2.0%	9.4%	22.6%	3.4%	15.8%	51.8%	25.4%
Critical (14.6%)												
WSIP 2070 Without Project	940	1,584	2,626	2,427	1,986	1,839	526	507	255	2,096	836	1,630
WSIP 2070 With Project	1,253	1,743	2,904	2,646	1,837	1,656	541	545	341	2,576	1,039	2,264
Difference	313	159	278	219	-148	-183	15	38	86	481	203	633
Percent Difference	33.3%	10.1%	10.6%	9.0%	-7.5%	-10.0%	2.8%	7.5%	33.6%	22.9%	24.3%	38.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-39-a
Banks Pumping Plant (SWP), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	2,139	2,895	4,439	3,809	4,358	4,130	1,368	1,147	2,131	4,639	4,214	4,218
WSIP 2070 With Project	2,646	3,302	4,671	3,847	4,348	4,104	1,372	1,218	2,150	4,797	4,495	4,722
Difference	508	407	232	38	-10	-26	4	71	19	158	281	504
Percent Difference[3]	23.7%	14.1%	5.2%	1.0%	-0.2%	-0.6%	0.3%	6.2%	0.9%	3.4%	6.7%	11.9%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	2,389	2,395	5,434	5,727	7,041	6,080	2,091	1,871	3,424	5,421	6,332	4,711
WSIP 2070 With Project	2,864	2,582	5,707	5,759	7,090	6,196	2,017	1,895	3,385	5,449	6,270	4,786
Difference	476	186	273	32	48	116	-74	24	-39	29	-61	76
Percent Difference	19.9%	7.8%	5.0%	0.6%	0.7%	1.9%	-3.5%	1.3%	-1.1%	0.5%	-1.0%	1.6%
Above Normal (13.4%)												
WSIP 2070 Without Project	2,980	2,935	5,242	3,388	5,244	5,467	1,339	869	2,911	5,094	6,674	5,991
WSIP 2070 With Project	3,785	3,296	5,140	3,401	5,290	5,553	1,362	857	2,874	4,699	6,680	6,143
Difference	805	362	-102	13	47	86	23	-12	-38	-395	6	152
Percent Difference	27.0%	12.3%	-1.9%	0.4%	0.9%	1.6%	1.7%	-1.4%	-1.3%	-7.7%	0.1%	2.5%
Below Normal (15.9%)												
WSIP 2070 Without Project	2,464	4,130	4,446	2,749	3,135	4,103	1,355	1,070	1,891	5,795	5,069	4,831
WSIP 2070 With Project	2,870	4,764	5,063	2,738	3,022	3,752	1,357	1,171	1,970	5,577	5,251	5,559
Difference	406	635	617	-11	-113	-352	2	100	80	-218	182	728
Percent Difference	16.5%	15.4%	13.9%	-0.4%	-3.6%	-8.6%	0.2%	9.4%	4.2%	-3.8%	3.6%	15.1%
Dry (24.4%)												
WSIP 2070 Without Project	1,860	3,505	3,795	3,065	2,614	2,253	959	791	1,303	4,223	1,682	3,802
WSIP 2070 With Project	2,427	4,230	3,873	3,051	2,634	2,297	1,049	970	1,348	4,929	2,650	4,847
Difference	568	725	78	-14	19	44	90	178	44	706	968	1,045
Percent Difference	30.5%	20.7%	2.0%	-0.5%	0.7%	1.9%	9.4%	22.6%	3.4%	16.7%	57.6%	27.5%
Critical (14.6%)												
WSIP 2070 Without Project	938	1,584	2,616	2,427	1,963	1,838	526	507	251	1,967	663	1,553
WSIP 2070 With Project	1,253	1,737	2,904	2,640	1,837	1,637	541	545	341	2,406	900	2,164
Difference	315	153	288	213	-126	-201	15	38	90	439	237	611
Percent Difference	33.6%	9.7%	11.0%	8.8%	-6.4%	-10.9%	2.8%	7.5%	35.8%	22.3%	35.8%	39.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-40-a
Banks Pumping Plant (CVP), Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	0	390	0	0	7	13	0	0	0	47	134	23
WSIP 2070 With Project	3	367	17	0	5	0	0	0	5	48	134	6
Difference	3	-23	17	0	-2	-12	0	0	5	1	0	-16
Percent Difference[3]		-5.8%			-24.4%	-97.0%				2.1%	0.0%	-72.5%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	0	811	0	0	22	40	0	0	0	24	160	0
WSIP 2070 With Project	0	758	0	0	16	1	0	0	17	52	195	7
Difference	0	-53	0	0	-5	-38	0	0	17	28	36	7
Percent Difference		-6.5%			-24.4%	-97.0%				119.1%	22.4%	
Above Normal (13.4%)												
WSIP 2070 Without Project	0	841	0	0	0	0	0	0	0	19	4	0
WSIP 2070 With Project	0	780	0	0	0	0	0	0	0	73	0	0
Difference	0	-60	0	0	0	0	0	0	0	54	-4	0
Percent Difference		-7.2%										
Below Normal (15.9%)												
WSIP 2070 Without Project	0	126	0	0	0	0	0	0	0	8	239	100
WSIP 2070 With Project	2	73	87	0	0	0	0	0	0	16	141	9
Difference	2	-53	87	0	0	0	0	0	0	8	-98	-90
Percent Difference		-42.3%								107.5%	-40.8%	-90.8%
Dry (24.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	136	151	28
WSIP 2070 With Project	12	44	12	0	0	0	0	0	0	55	183	10
Difference	12	44	12	0	0	0	0	0	0	-81	32	-18
Percent Difference										-59.7%	21.1%	-62.8%
Critical (14.6%)												
WSIP 2070 Without Project	2	0	0	0	0	0	0	0	0	20	55	0
WSIP 2070 With Project	0	0	0	0	0	0	0	0	0	42	34	0
Difference	-2	0	0	0	0	0	0	0	0	22	-21	0
Percent Difference	-100.0%									113.2%	-38.4%	

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

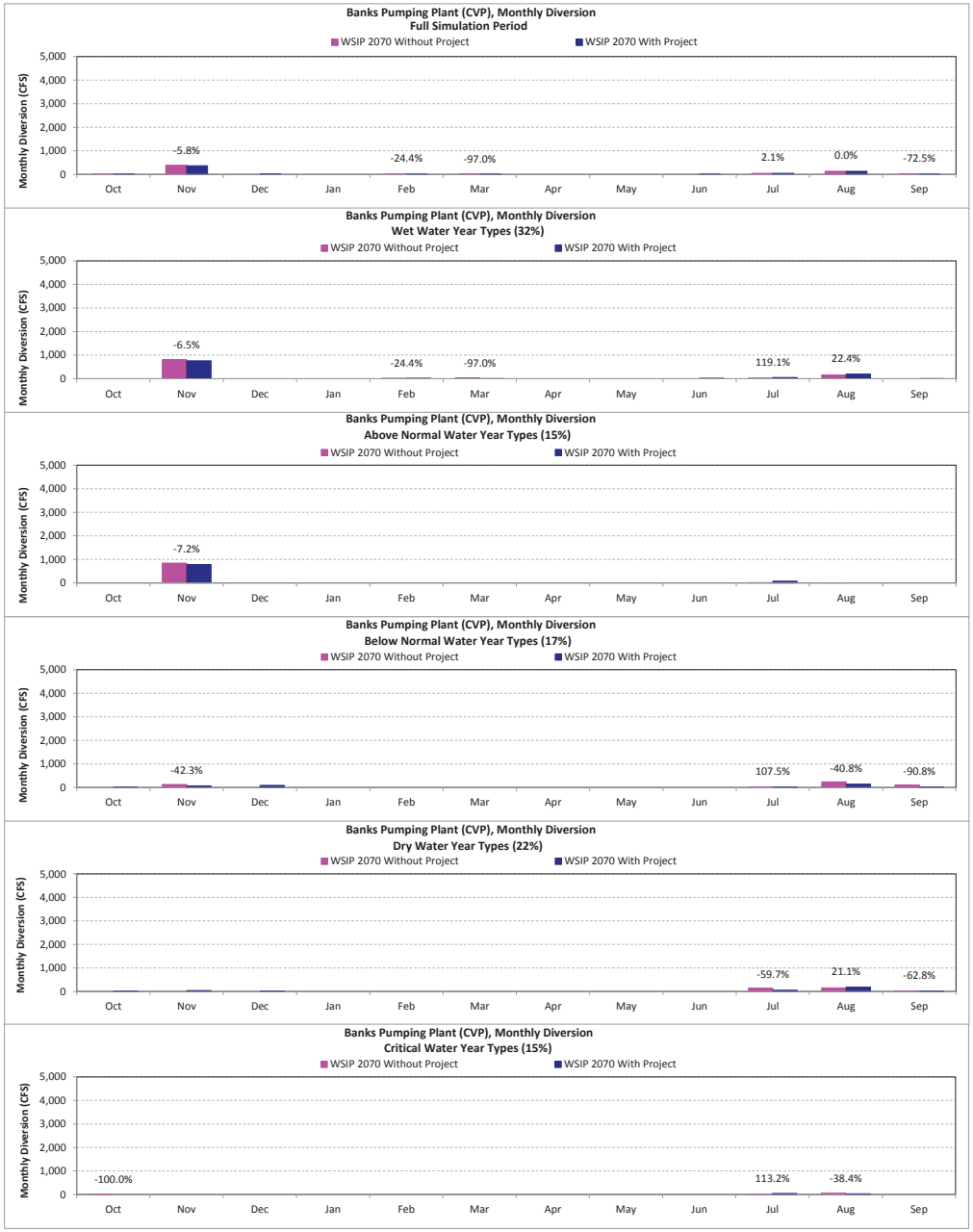


Table SW-41-a
San Luis Reservoir (SWP and CVP), End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	427	528	782	1,092	1,357	1,549	1,450	1,198	877	681	535	500
WSIP 2070 With Project	449	549	806	1,109	1,367	1,547	1,440	1,179	843	658	525	522
Difference	21	21	24	18	10	-1	-9	-19	-34	-23	-10	22
Percent Difference[3]	5.0%	3.9%	3.1%	1.6%	0.7%	-0.1%	-0.6%	-1.6%	-3.9%	-3.4%	-1.8%	4.4%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	516	480	738	1,323	1,718	1,946	1,822	1,548	1,241	937	810	695
WSIP 2070 With Project	537	497	772	1,306	1,692	1,933	1,805	1,526	1,212	911	801	679
Difference	21	17	34	-17	-26	-13	-18	-22	-28	-26	-9	-16
Percent Difference	4.0%	3.6%	4.6%	-1.3%	-1.5%	-0.7%	-1.0%	-1.4%	-2.3%	-2.8%	-1.1%	-2.3%
Above Normal (13.4%)												
WSIP 2070 Without Project	441	496	763	1,032	1,400	1,734	1,589	1,238	884	575	510	505
WSIP 2070 With Project	440	514	774	1,095	1,444	1,736	1,584	1,222	855	555	520	489
Difference	0	18	10	63	44	3	-5	-16	-28	-20	9	-16
Percent Difference	-0.1%	3.6%	1.4%	6.1%	3.1%	0.2%	-0.3%	-1.3%	-3.2%	-3.5%	1.8%	-3.2%
Below Normal (15.9%)												
WSIP 2070 Without Project	496	726	998	1,026	1,211	1,479	1,384	1,119	757	653	553	566
WSIP 2070 With Project	545	776	1,097	1,051	1,222	1,453	1,353	1,088	721	619	535	621
Difference	49	49	99	25	11	-25	-31	-30	-36	-34	-18	55
Percent Difference	9.9%	6.8%	9.9%	2.4%	0.9%	-1.7%	-2.2%	-2.7%	-4.8%	-5.2%	-3.2%	9.7%
Dry (24.4%)												
WSIP 2070 Without Project	342	553	811	1,045	1,209	1,304	1,234	1,016	691	587	327	339
WSIP 2070 With Project	380	601	809	1,043	1,217	1,304	1,219	979	624	550	321	420
Difference	38	48	-2	-2	8	1	-14	-36	-66	-37	-6	81
Percent Difference	11.2%	8.7%	-0.2%	-0.2%	0.7%	0.0%	-1.1%	-3.6%	-9.6%	-6.3%	-1.8%	23.8%
Critical (14.6%)												
WSIP 2070 Without Project	291	404	615	793	942	1,001	944	793	522	411	288	273
WSIP 2070 With Project	276	359	593	868	1,000	1,045	983	820	528	428	261	277
Difference	-15	-45	-22	76	57	44	38	27	7	17	-28	5
Percent Difference	-5.2%	-11.2%	-3.6%	9.5%	6.1%	4.4%	4.0%	3.4%	1.3%	4.2%	-9.6%	1.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-42-a
San Luis Reservoir (SWP and CVP), End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	385	398	427	459	484	500	492	469	436	414	396	394
WSIP 2070 With Project	387	400	430	461	485	500	491	468	433	412	394	397
Difference	2	2	2	2	1	0	-1	-2	-4	-3	-2	3
Percent Difference[3]	0.6%	0.5%	0.5%	0.3%	0.2%	0.0%	-0.1%	-0.4%	-0.9%	-0.7%	-0.5%	0.8%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	397	391	423	481	516	534	524	502	473	443	430	418
WSIP 2070 With Project	400	394	427	479	514	533	523	500	471	440	429	417
Difference	3	2	4	-2	-2	-1	-1	-2	-3	-3	-1	-2
Percent Difference	0.8%	0.6%	0.9%	-0.4%	-0.4%	-0.2%	-0.2%	-0.4%	-0.6%	-0.6%	-0.3%	-0.4%
Above Normal (13.4%)												
WSIP 2070 Without Project	388	394	426	454	489	517	506	474	439	401	394	397
WSIP 2070 With Project	387	396	427	459	492	517	505	473	436	398	394	394
Difference	-1	2	1	6	3	0	0	-1	-3	-3	0	-3
Percent Difference	-0.3%	0.6%	0.3%	1.2%	0.7%	0.0%	-0.1%	-0.3%	-0.7%	-0.7%	0.0%	-0.7%
Below Normal (15.9%)												
WSIP 2070 Without Project	394	422	450	454	472	495	487	462	423	411	399	403
WSIP 2070 With Project	400	426	459	457	473	493	484	459	419	407	396	409
Difference	6	4	9	3	1	-2	-3	-3	-4	-4	-3	6
Percent Difference	1.4%	0.9%	2.0%	0.6%	0.2%	-0.4%	-0.6%	-0.6%	-0.8%	-1.0%	-0.7%	1.5%
Dry (24.4%)												
WSIP 2070 Without Project	373	402	430	456	471	480	474	453	418	406	370	373
WSIP 2070 With Project	377	407	430	455	472	480	473	449	410	401	368	384
Difference	4	6	-1	0	1	0	-1	-4	-8	-5	-2	11
Percent Difference	1.0%	1.4%	-0.1%	-0.1%	0.1%	0.0%	-0.3%	-0.8%	-2.0%	-1.2%	-0.5%	3.0%
Critical (14.6%)												
WSIP 2070 Without Project	364	382	409	429	446	452	446	430	399	384	366	362
WSIP 2070 With Project	363	376	406	437	451	456	450	433	399	387	361	364
Difference	-2	-6	-3	8	5	4	4	3	0	2	-5	2
Percent Difference	-0.5%	-1.6%	-0.7%	1.9%	1.1%	0.9%	0.8%	0.6%	0.1%	0.6%	-1.3%	0.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-43-a
San Luis Reservoir (SWP and CVP), End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	7,070	7,699	8,956	10,143	10,954	11,454	11,199	10,471	9,250	8,363	7,511	7,484
WSIP 2070 With Project	7,171	7,771	9,027	10,195	10,971	11,457	11,180	10,412	9,093	8,244	7,383	7,635
Difference	101	73	72	52	18	3	-19	-59	-157	-118	-127	151
Percent Difference[3]	1.4%	0.9%	0.8%	0.5%	0.2%	0.0%	-0.2%	-0.6%	-1.7%	-1.4%	-1.7%	2.0%
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	7,672	7,396	8,837	10,863	11,949	12,476	12,197	11,519	10,593	9,487	9,006	8,640
WSIP 2070 With Project	7,853	7,519	8,976	10,787	11,881	12,452	12,164	11,464	10,514	9,388	8,951	8,563
Difference	181	123	139	-75	-68	-24	-33	-55	-78	-99	-54	-77
Percent Difference	2.4%	1.7%	1.6%	-0.7%	-0.6%	-0.2%	-0.3%	-0.5%	-0.7%	-1.0%	-0.6%	-0.9%
Above Normal (13.4%)												
WSIP 2070 Without Project	7,339	7,540	8,910	9,966	11,125	11,988	11,638	10,664	9,407	7,673	7,444	7,755
WSIP 2070 With Project	7,240	7,639	8,980	10,140	11,226	11,991	11,625	10,616	9,296	7,535	7,396	7,571
Difference	-99	98	70	173	102	4	-13	-48	-111	-138	-48	-184
Percent Difference	-1.3%	1.3%	0.8%	1.7%	0.9%	0.0%	-0.1%	-0.4%	-1.2%	-1.8%	-0.6%	-2.4%
Below Normal (15.9%)												
WSIP 2070 Without Project	7,570	8,788	9,788	10,007	10,582	11,304	11,050	10,225	8,661	8,173	7,691	7,991
WSIP 2070 With Project	7,802	8,832	10,081	10,092	10,609	11,243	10,958	10,120	8,547	7,992	7,528	8,236
Difference	232	44	293	85	26	-61	-92	-105	-114	-181	-163	244
Percent Difference	3.1%	0.5%	3.0%	0.9%	0.2%	-0.5%	-0.8%	-1.0%	-1.3%	-2.2%	-2.1%	3.1%
Dry (24.4%)												
WSIP 2070 Without Project	6,480	7,922	9,035	10,045	10,556	10,852	10,646	9,953	8,661	8,127	6,317	6,455
WSIP 2070 With Project	6,603	8,148	9,002	10,028	10,572	10,856	10,604	9,822	8,268	7,900	6,168	7,036
Difference	123	226	-32	-16	16	4	-42	-132	-393	-227	-149	581
Percent Difference	1.9%	2.9%	-0.4%	-0.2%	0.1%	0.0%	-0.4%	-1.3%	-4.5%	-2.8%	-2.4%	9.0%
Critical (14.6%)												
WSIP 2070 Without Project	5,962	6,948	8,221	9,058	9,706	9,915	9,716	9,151	7,815	7,157	6,126	5,894
WSIP 2070 With Project	5,892	6,663	8,083	9,350	9,825	10,044	9,840	9,244	7,795	7,265	5,843	6,028
Difference	-69	-285	-137	292	119	129	124	92	-20	108	-283	135
Percent Difference	-1.2%	-4.1%	-1.7%	3.2%	1.2%	1.3%	1.3%	1.0%	-0.3%	1.5%	-4.6%	2.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-44-a
San Luis Reservoir (CVP), End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	179	274	431	567	671	743	705	597	432	274	193	177
WSIP 2070 With Project	188	272	432	564	664	732	694	580	414	271	202	204
Difference	9	-3	1	-3	-7	-11	-11	-17	-19	-2	9	27
Percent Difference[3]	4.8%	-1.1%	0.2%	-0.5%	-1.1%	-1.4%	-1.6%	-2.8%	-4.3%	-0.9%	4.5%	15.2%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	224	271	449	657	815	925	891	801	656	418	316	265
WSIP 2070 With Project	219	255	433	662	806	914	881	785	636	399	318	254
Difference	-6	-16	-16	5	-10	-11	-10	-15	-19	-19	2	-11
Percent Difference	-2.5%	-5.9%	-3.7%	0.8%	-1.2%	-1.2%	-1.1%	-1.9%	-3.0%	-4.6%	0.7%	-4.0%
Above Normal (13.4%)												
WSIP 2070 Without Project	148	259	429	547	692	848	808	675	493	249	166	129
WSIP 2070 With Project	149	258	432	578	719	846	802	662	476	272	224	158
Difference	1	-1	3	31	27	-2	-6	-13	-17	23	58	29
Percent Difference	0.5%	-0.3%	0.8%	5.7%	3.9%	-0.2%	-0.7%	-1.9%	-3.5%	9.2%	35.0%	22.6%
Below Normal (15.9%)												
WSIP 2070 Without Project	192	357	532	546	611	696	662	546	368	252	181	189
WSIP 2070 With Project	265	406	601	544	608	696	659	537	357	262	217	280
Difference	73	49	69	-2	-3	0	-3	-9	-11	11	35	91
Percent Difference	38.1%	13.7%	12.9%	-0.3%	-0.5%	0.0%	-0.4%	-1.7%	-3.1%	4.3%	19.4%	48.0%
Dry (24.4%)												
WSIP 2070 Without Project	151	274	415	547	610	630	589	468	290	203	110	119
WSIP 2070 With Project	161	283	413	507	575	597	557	428	254	190	99	168
Difference	9	9	-3	-39	-35	-34	-33	-40	-36	-13	-11	49
Percent Difference	6.1%	3.4%	-0.6%	-7.2%	-5.8%	-5.4%	-5.5%	-8.6%	-12.6%	-6.4%	-10.1%	41.2%
Critical (14.6%)												
WSIP 2070 Without Project	143	208	312	448	509	491	447	355	198	124	104	113
WSIP 2070 With Project	119	154	280	456	516	501	456	363	202	139	87	113
Difference	-24	-54	-32	8	7	10	9	8	5	15	-17	0
Percent Difference	-17.0%	-25.7%	-10.1%	1.7%	1.4%	2.0%	2.0%	2.4%	2.3%	12.0%	-16.5%	0.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-45-a
San Luis Reservoir (SWP), End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	248	254	351	524	686	806	745	601	445	407	341	324
WSIP 2070 With Project	261	277	374	545	703	815	746	599	429	387	323	319
Difference	13	24	23	21	17	9	2	-2	-15	-21	-19	-5
Percent Difference[3]	5.1%	9.4%	6.6%	3.9%	2.5%	1.2%	0.3%	-0.4%	-3.4%	-5.0%	-5.4%	-1.5%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	292	209	288	666	903	1,021	931	747	585	519	494	429
WSIP 2070 With Project	318	242	339	644	887	1,019	924	740	576	512	483	424
Difference	26	33	51	-22	-16	-2	-8	-7	-9	-7	-11	-5
Percent Difference	9.0%	15.8%	17.5%	-3.3%	-1.8%	-0.2%	-0.8%	-0.9%	-1.5%	-1.3%	-2.2%	-1.2%
Above Normal (13.4%)												
WSIP 2070 Without Project	293	238	334	485	708	886	782	563	391	326	344	376
WSIP 2070 With Project	291	256	341	517	725	890	783	560	380	283	295	331
Difference	-1	19	7	32	16	4	1	-3	-11	-43	-49	-45
Percent Difference	-0.4%	7.8%	2.1%	6.6%	2.3%	0.5%	0.1%	-0.5%	-2.9%	-13.3%	-14.2%	-12.0%
Below Normal (15.9%)												
WSIP 2070 Without Project	304	369	466	480	600	783	722	572	389	401	371	377
WSIP 2070 With Project	279	369	496	507	614	757	694	551	364	357	319	341
Difference	-24	0	30	27	15	-25	-29	-21	-25	-45	-53	-36
Percent Difference	-8.0%	0.1%	6.4%	5.6%	2.4%	-3.2%	-4.0%	-3.7%	-6.4%	-11.1%	-14.2%	-9.5%
Dry (24.4%)												
WSIP 2070 Without Project	191	279	395	498	600	674	644	547	400	384	216	221
WSIP 2070 With Project	220	318	396	536	643	708	663	551	371	360	222	253
Difference	29	39	1	37	43	34	18	4	-30	-24	5	32
Percent Difference	15.2%	14.0%	0.2%	7.5%	7.2%	5.1%	2.9%	0.7%	-7.5%	-6.3%	2.4%	14.5%
Critical (14.6%)												
WSIP 2070 Without Project	148	196	303	345	433	509	497	439	324	287	184	160
WSIP 2070 With Project	157	205	313	413	483	544	527	458	326	289	174	164
Difference	9	8	9	68	50	34	29	19	2	3	-10	4
Percent Difference	6.1%	4.3%	3.1%	19.7%	11.5%	6.7%	5.9%	4.3%	0.7%	0.9%	-5.6%	2.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Sacramento-San Joaquin Delta Operations

Exceedance Probability Charts and Tables

Figure SW-30-b
Sacramento River below Hood, Monthly Flow
Probability of Exceedance

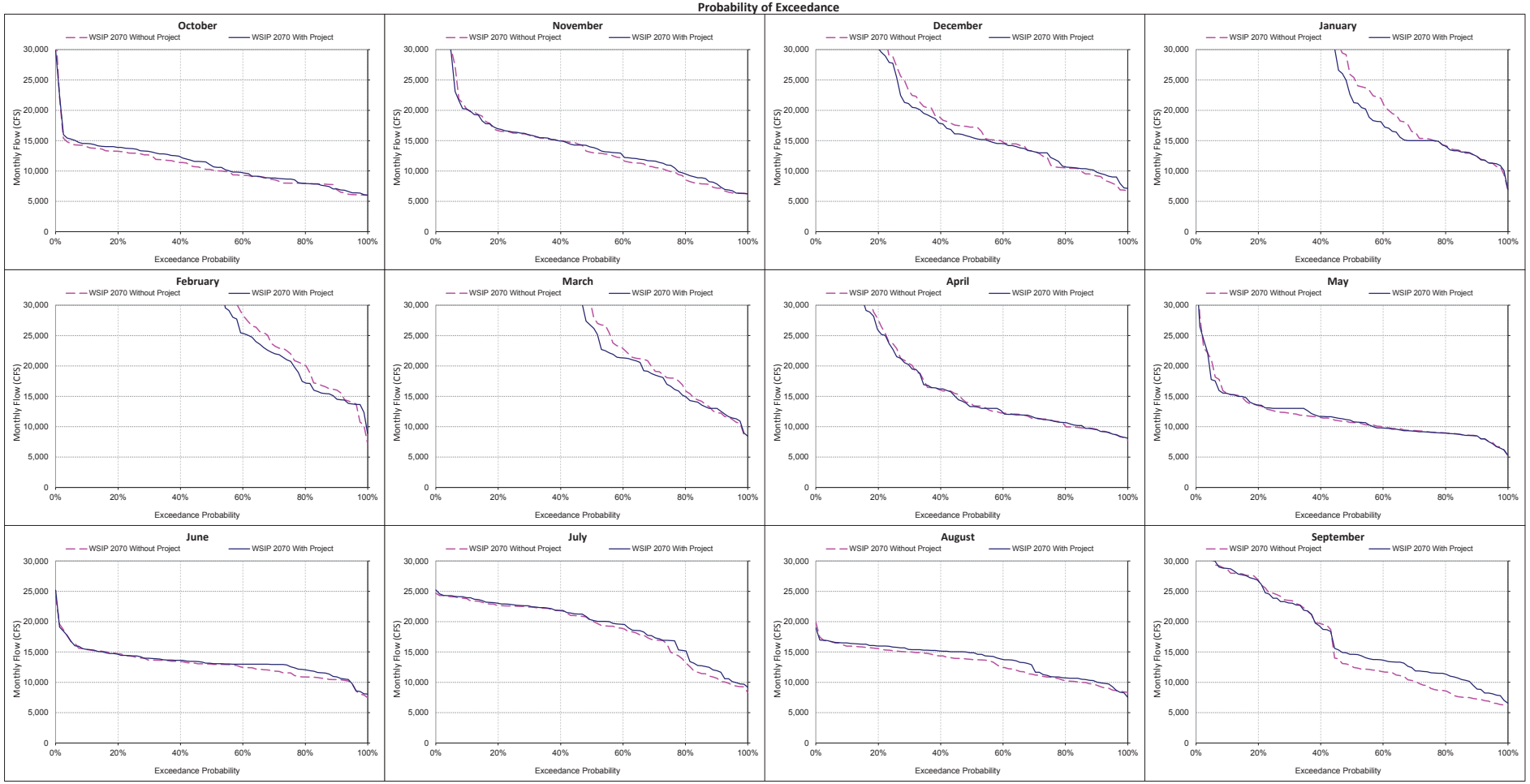


Table SW-30-b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33,448	29,845	-3,604	-10.8%
1.2%	22,223	22,405	183	0.8%
2.5%	15,425	15,971	546	3.5%
3.7%	14,813	15,424	611	4.1%
4.9%	14,492	15,279	787	5.4%
6.2%	14,305	15,042	737	5.2%
7.4%	14,276	14,713	437	3.1%
8.6%	14,231	14,550	320	2.2%
9.9%	14,008	14,542	534	3.8%
11.1%	13,802	14,502	700	5.1%
12.3%	13,745	14,365	620	4.5%
13.6%	13,717	14,164	448	3.3%
14.8%	13,618	14,062	445	3.3%
16.0%	13,325	14,038	713	5.3%
17.3%	13,297	14,032	735	5.5%
18.5%	13,282	14,028	746	5.6%
19.8%	13,267	13,898	631	4.8%
21.0%	13,195	13,891	696	5.3%
22.2%	13,152	13,769	617	4.7%
23.5%	12,949	13,720	771	6.0%
24.7%	12,942	13,686	743	5.7%
25.9%	12,941	13,571	630	4.9%
27.2%	12,841	13,328	486	3.8%
28.4%	12,660	13,302	642	5.1%
29.6%	12,653	13,250	597	4.7%
30.9%	12,503	13,114	610	4.9%
32.1%	11,913	12,947	1,034	8.7%
33.3%	11,882	12,827	945	8.0%
34.6%	11,824	12,818	994	8.4%
35.8%	11,746	12,736	990	8.4%
37.0%	11,719	12,582	863	7.4%
38.3%	11,531	12,539	1,008	8.7%
39.5%	11,410	12,452	1,042	9.1%
40.7%	11,385	12,155	769	6.8%
42.0%	11,308	11,971	663	5.9%
43.2%	10,870	11,794	924	8.5%
44.4%	10,701	11,596	895	8.4%
45.7%	10,675	11,595	920	8.6%
46.9%	10,469	11,556	1,088	10.4%
48.1%	10,270	11,477	1,206	11.7%
49.4%	10,262	11,078	816	8.0%
50.6%	10,100	10,671	571	5.6%
51.9%	10,024	10,615	591	5.9%
53.1%	10,010	10,577	567	5.7%
54.3%	9,912	10,198	286	2.9%
55.6%	9,904	10,051	148	1.5%
56.8%	9,353	9,842	489	5.2%
58.0%	9,351	9,830	479	5.1%
59.3%	9,284	9,792	508	5.5%
60.5%	9,282	9,671	390	4.2%
61.7%	9,243	9,576	334	3.6%
63.0%	9,103	9,154	51	0.6%
64.2%	9,096	9,125	28	0.3%
65.4%	9,063	9,116	53	0.6%
66.7%	9,006	8,874	-132	-1.5%
67.9%	8,687	8,867	180	2.1%
69.1%	8,617	8,856	239	2.8%
70.4%	8,536	8,834	299	3.5%
71.6%	8,305	8,740	435	5.2%
72.8%	8,006	8,713	708	8.8%
74.1%	8,002	8,680	678	8.5%
75.3%	7,992	8,679	687	8.6%
76.5%	7,990	8,547	558	7.0%
77.8%	7,988	8,069	81	1.0%
79.0%	7,967	7,975	8	0.1%
80.2%	7,936	7,957	21	0.3%
81.5%	7,904	7,914	9	0.1%
82.7%	7,888	7,855	-34	-0.4%
84.0%	7,882	7,835	-48	-0.6%
85.2%	7,854	7,640	-214	-2.7%
86.4%	7,826	7,570	-257	-3.3%
87.7%	7,786	7,411	-375	-4.8%
88.9%	7,771	7,040	-732	-9.4%
90.1%	6,909	7,032	124	1.8%
91.4%	6,497	6,870	373	5.7%
92.6%	6,415	6,821	406	6.3%
93.8%	6,164	6,603	439	7.1%
95.1%	6,108	6,415	307	5.0%
96.3%	6,086	6,398	312	5.1%
97.5%	6,070	6,342	272	4.5%
98.8%	6,029	6,109	79	1.3%
100.0%	6,016	6,016	0	0.0%

November				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,559	38,629	-5,930	-13.3%
1.2%	39,825	38,129	-1,696	-4.3%
2.5%	38,795	37,969	-825	-2.1%
3.7%	33,771	33,660	-111	-0.3%
4.9%	30,071	29,383	-688	-2.3%
6.2%	27,354	23,086	-4,267	-15.6%
7.4%	21,823	21,569	-254	-1.2%
8.6%	21,229	20,266	-963	-4.5%
9.9%	20,173	20,229	56	0.3%
11.1%	19,778	19,843	65	0.3%
12.3%	19,692	19,290	-403	-2.0%
13.6%	19,318	19,244	-75	-0.4%
14.8%	19,051	18,250	-801	-4.2%
16.0%	18,147	17,791	-355	-2.0%
17.3%	17,846	17,781	-65	-0.4%
18.5%	16,921	17,280	359	2.1%
19.8%	16,676	16,991	316	1.9%
21.0%	16,526	16,863	337	2.0%
22.2%	16,508	16,614	106	0.6%
23.5%	16,471	16,532	61	0.4%
24.7%	16,252	16,422	170	1.0%
25.9%	16,235	16,357	122	0.8%
27.2%	16,126	16,238	113	0.7%
28.4%	16,122	16,197	76	0.5%
29.6%	15,990	15,975	-15	-0.1%
30.9%	15,686	15,855	169	1.1%
32.1%	15,596	15,699	103	0.7%
33.3%	15,480	15,489	9	0.1%
34.6%	15,407	15,469	63	0.4%
35.8%	15,292	15,441	149	1.0%
37.0%	15,157	15,223	67	0.4%
38.3%	15,135	15,149	13	0.1%
39.5%	14,993	14,974	-19	-0.1%
40.7%	14,950	14,917	-33	-0.2%
42.0%	14,803	14,675	-128	-0.9%
43.2%	14,740	14,393	-347	-2.4%
44.4%	14,683	14,295	-388	-2.6%
45.7%	14,431	14,281	-150	-1.0%
46.9%	14,255	14,269	13	0.1%
48.1%	13,291	14,252	961	7.2%
49.4%	13,109	13,957	848	6.5%
50.6%	12,988	13,832	844	6.5%
51.9%	12,930	13,656	726	5.6%
53.1%	12,906	13,272	366	2.8%
54.3%	12,793	13,176	384	3.0%
55.6%	12,787	13,120	333	2.6%
56.8%	12,504	13,025	521	4.2%
58.0%	12,274	12,998	724	5.9%
59.3%	12,191	12,970	780	6.4%
60.5%	11,626	12,210	584	5.0%
61.7%	11,486	12,174	687	6.0%
63.0%	11,361	12,104	743	6.5%
64.2%	11,312	12,062	750	6.6%
65.4%	11,292	11,903	611	5.4%
66.7%	11,181	11,869	688	6.2%
67.9%	10,745	11,696	952	8.9%
69.1%	10,737	11,685	948	8.8%
70.4%	10,568	11,637	1,070	10.1%
71.6%	10,499	11,397	898	8.6%
72.8%	10,330	11,262	932	9.0%
74.1%	10,087	11,000	913	9.1%
75.3%	9,897	10,947	1,050	10.6%
76.5%	9,861	10,513	652	6.6%
77.8%	9,409	9,879	470	5.0%
79.0%	9,262	9,716	454	4.9%
80.2%	8,501	9,480	979	11.5%
81.5%	8,252	9,225	974	11.8%
82.7%	8,051	9,058	1,007	12.5%
84.0%	7,981	8,890	908	11.4%
85.2%	7,883	8,882	999	12.7%
86.4%	7,860	8,753	893	11.4%
87.7%	7,802	8,231	430	5.5%
88.9%	7,309	8,148	839	11.5%
90.1%	7,172	7,876	703	9.8%
91.4%	7,146	7,354	207	2.9%
92.6%	6,713	6,943	229	3.4%
93.8%	6,512	6,867	356	5.5%
95.1%	6,380	6,724	344	5.4%
96.3%	6,379	6,360	-18	-0.3%
97.5%	6,309	6,326	17	0.3%
98.8%	6,285	6,309	24	0.4%
100.0%	6,254	6,239	-15	-0.2%

December				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,296	81,276	-20	0.0%
1.2%	78,631	78,385	-246	-0.3%
2.5%	73,619	73,286	-333	-0.5%
3.7%	70,538	70,128	-410	-0.6%
4.9%	67,023	66,714	-309	-0.5%
6.2%	62,885	61,711	-1,175	-1.9%
7.4%	61,024	56,356	-4,668	-7.7%
8.6%	56,601	55,334	-1,267	-2.2%
9.9%	55,226	54,839	-386	-0.7%
11.1%	54,829	53,964	-865	-1.6%
12.3%	43,996	43,585	-411	-0.9%
13.6%	43,908	43,020	-887	-2.0%
14.8%	38,611	37,673	-939	-2.4%
16.0%	38,177	35,374	-2,802	-7.3%
17.3%	37,118	32,889	-4,229	-11.4%
18.5%	34,616	32,740	-1,876	-5.4%
19.8%	34,077	30,391	-3,686	-10.8%
21.0%	32,698	29,555	-3,143	-9.6%
22.2%	32,174	28,954	-3,221	-10.0%
23.5%	28,972	27,869	-1,104	-3.8%
24.7%	28,828	27,766	-1,062	-3.7%
25.9%	27,192	25,397	-1,795	-6.6%
27.2%	25,643	22,473	-3,170	-12.4%
28.4%	24,930	21,289	-3,642	-14.6%
29.6%	23,382	21,119	-2,263	-9.7%
30.9%	22,447	20,479	-1,968	-8.8%
32.1%	22,301	20,386	-1,915	-8.6%
33.3%	21,325	20,101	-1,224	-5.7%
34.6%	20,624	19,483	-1,140	-5.5%
35.8%	20,430	19,245	-1,185	-5.8%
37.0%	20,364	18,910	-1,454	-7.1%
38.3%	19,091	18,614	-477	-2.5%
39.5%	18,968	17,867	-1,101	-5.8%
40.7%	18,369	17,735	-633	-3.4%
42.0%	18,162	17,005	-1,156	-6.4%
43.2%	17,885	16,851	-1,034	-5.8%
44.4%	17,570	16,135	-1,435	-8.2%
45.7%	17,485	16,110	-1,375	-7.9%
46.9%	17,407	16,026	-1,381	-7.9%
48.1%	17,355	15,818	-1,538	-8.9%
49.4%	17,231	15,648	-1,583	-9.2%
50.6%	17,225	15,416	-1,809	-10.5%
51.9%	17,143	15,281	-1,862	-10.9%
53.1%	16,492	15,194	-1,298	-7.9%
54.3%	15,360	15,192	-168	-1.1%
55.6%	15,163	14,936	-227	-1.5%
56.8%	15,133	14,715	-417	-2.8%
58.0%	15,077	14,544	-533	-3.5%
59.3%	14,994	14,521	-473	-3.2%
60.5%	14,588	14,505	-83	-0.6%
61.7%	14,478	14,197	-281	-1.9%
63.0%	14,461	14,192	-269	-1.9%
64.2%	14,459	14,033	-426	-2.9%
65.4%	14,217	13,791	-427	-3.0%
66.7%	14,187	13,739	-448	-3.2%
67.9%	13,371	13,414	44	0.3%
69.1%	13,316	13,308	-8	-0.1%
70.4%	13,173	13,128	-45	-0.3%
71.6%	12,865	13,000	135	1.0%
72.8%	12,409	13,000	591	4.8%
74.1%	12,345	13,000	655	5.3%
75.3%	10,919	12,242	1,323	12.1%
76.5%	10,675	11,923	1,249	11.7%
77.8%	10,587	11,571	984	9.3%
79.0%	10,565	10,800	235	2.2%
80.2%	10,514	10,630	116	1.1%
81.5%	10,469	10,577	108	1.0%
82.7%	10,467	10,563	96	0.9%
84.0%	10,415	10,454	38	0.4%
85.2%	9,918	10,384	467	4.7%
86.4%	9,521	10,362	841	8.8%
87.7%	9,517	10,270	753	7.9%
88.9%	9,324	10,147	823	8.8%
90.1%	9,182	9,803	621	6.8%
91.4%	9,075	9,587	513	5.7%
92.6%	8,422	9,396	974	11.6%
93.8%	8,250	9,161	912	11.1%
95.1%	7,971	9,025	1,054	13.2%
96.3%	7,702	9,023	1,321	17.2%
97.5%	6,887	7,927	1,040	15.1%
98.8%	6,854	7,204	349	5.1%
100.0%	6,694	7,109	415	6.2%

January				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,411	81,204	-207	-0.3%
1.2%	80,561	80,495	-66	-0.1%
2.5%	79,720	79,933	213	0.3%
3.7%	78,123	78,099	-24	0.0%
4.9%	77,791	77,779	-12	0.0%
6.2%	76,838	76,836	-2	0.0%
7.4%	76,821	76,413	-408	-0.5%
8.6%	72,819	71,967	-851	-1.2%
9.9%	71,836	71,379	-458	-0.6%
11.1%	71,317	71,228	-90	-0.1%
12.3%	70,759	70,933	174	0.2%
13.6%	69,658	69,574	-84	-0.1%
14.8%	69,411	68,000	-1,411	-2.0%
16.0%	68,693	67,764	-928	-1.4%
17.3%	67,888	66,585	-1,303	-1.9%
18.5%	66,422	65,781	-641	-1.0%
19.8%	63,622	63,671	49	0.1%
21.0%	63,216	63,326	110	0.2%
22.2%	63,164	61,315	-1,849	-2.9%
23.5%	60,561	60,052	-508	-0.8%
24.7%	60,296	59,300	-996	-1.7%
25.9%	58,795	57,692	-1,103	-1.9%
27.2%	54,727	53,159	-1,568	-2.9%
28.4%	50,405	50,293	-112	-0.2%
29.6%	46,738	45,542	-1,196	-2.6%
30.9%	45,164	44,822	-342	-0.8%
32.1%	44,252	44,501	249	0.6%
33.3%	43,566	42,449	-1,117	-2.6%
34.6%	37,947	34,877	-3,071	-8.1%
35.8%	36,778	34,567	-2,210	-6.0%
37.0%	36,730	34,339	-2,391	-6.5%
38.3%	35,513	33,882	-1,631	-4.6%
39.5%	35,233	31,747	-3,487	-9.9%
40.7%	35,202	31,710	-3,491	-9.9%
42.0%	34,430	31,496	-2,934	-8.5%
43.2%	33,420	30,305	-3,116	-9.3%
44.4%	32,157	30,237	-1,920	-6.0%
45.7%	30,772	26,615	-4,157	-13.5%
46.9%	29,451	26,034	-3,417	-11.6%
48.1%	29,168	24,957	-4,211	-14.4%
49.4%	25,911	22,623	-3,288	-12.7%
50.6%	25,411	21,250	-4,162	-16.4%
51.9%	24,043	21,177	-2,867	-11.9%
53.1%	23,884	20,443	-3,441	-14.4%
54.3%	23,722	20,240	-3,482	-14.7%
55.6%	23,315	18,856	-4,459	-19.1%
56.8%	22,405	18,310	-4,095	-18.3%
58.0%	22,206	18,162	-4,044	-18.2%
59.3%	21,981	18,127	-3,854	-17.5%
60.5%	20,563	17,230	-3,333	-16.2%
61.7%	20,018	17,054	-2,963	-14.8%
63.0%	19,452	16,555	-2,897	-14.9%
64.2%	19,236	16,402	-2,833	-14.7%
65.4%	18,235	15,550	-2,685	-14.7%
66.7%	18,102	15,148	-2,954	-16.3%
67.9%	17,671	15,000	-2,671	-15.1%
69.1%	16,515	15,000	-1,515	-9.2%
70.4%	16,378	15,000	-1,378	-8.4%
71.6%	15,376	15,000	-376	-2.4%
72.8%	15,357	15,000	-357	-2.3%
74.1%	15,350	15,000	-350	-2.3%
75.3%	15,192	15,000	-192	-1.3%
76.5%	14,917	15,000	83	0.6%
77.8%	14,879	14,882	3	0.0%
79.0%	14,289	14,339	50	0.4%
80.2%	14,155	14,008	-147	-1.0%
81.5%	13,695	13,468	-226	-1.7%
82.7%	13,521	13,318	-203	-1.5%
84.0%	13,480	13,317	-163	-1.2%
85.2%	13,216	13,106	-110	-0.8%
86.4%	12,943	13,102	158	1.2%
87.7%	12,940	13,043	103	0.8%
88.9%	12,682	12,703	21	0.2%
90.1%	12,323	12,411	87	0.7%
91.4%	11,949	11,840	-109	-0.9%
92.6%	11,746	11,790	44	0.4%
93.8%	11,331	11,341	11	0.1%
95.1%	11,271	11,266	-5	0.0%
96.3%	10,755	11,188	433	4.0%
97.5%	10,733	10,899	165	1.5%
98.8%	9,393	10,091	698	7.4%
100.0%	6,860	6,928	68	1.0%

Table SW-30-b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	82,494	82,467	-27	0.0%
1.2%	82,304	82,291	-13	0.0%
2.5%	81,985	81,989	4	0.0%
3.7%	81,917	81,864	-53	-0.1%
4.9%	80,029	80,059	30	0.0%
6.2%	79,778	79,808	30	0.0%
7.4%	78,602	78,575	-27	0.0%
8.6%	77,331	77,444	113	0.1%
9.9%	76,807	76,879	72	0.1%
11.1%	75,542	75,204	-338	-0.4%
12.3%	74,820	74,834	15	0.0%
13.6%	74,504	74,287	-217	-0.3%
14.8%	73,776	73,831	56	0.1%
16.0%	73,498	73,491	-7	0.0%
17.3%	73,211	72,345	-866	-1.2%
18.5%	71,713	71,508	-205	-0.3%
19.8%	71,378	70,969	-409	-0.6%
21.0%	69,104	68,387	-717	-1.0%
22.2%	68,695	67,726	-970	-1.4%
23.5%	67,623	66,139	-1,484	-2.2%
24.7%	67,270	65,999	-1,271	-1.9%
25.9%	64,792	64,786	-6	0.0%
27.2%	64,791	64,569	-223	-0.3%
28.4%	64,659	63,494	-1,165	-1.8%
29.6%	63,829	62,804	-1,025	-1.6%
30.9%	57,219	56,260	-959	-1.7%
32.1%	56,876	55,297	-1,579	-2.8%
33.3%	53,909	53,855	-54	-0.1%
34.6%	53,347	53,272	-75	-0.1%
35.8%	52,611	52,469	-142	-0.3%
37.0%	51,683	51,554	-129	-0.2%
38.3%	51,657	51,399	-258	-0.5%
39.5%	51,330	49,578	-1,752	-3.4%
40.7%	49,667	48,637	-1,030	-2.1%
42.0%	49,664	46,132	-3,532	-7.1%
43.2%	48,663	45,679	-2,984	-6.1%
44.4%	46,554	45,546	-1,008	-2.2%
45.7%	44,433	44,560	127	0.3%
46.9%	43,950	44,447	496	1.1%
48.1%	42,859	43,761	902	2.1%
49.4%	41,193	39,377	-1,817	-4.4%
50.6%	37,981	35,399	-2,582	-6.8%
51.9%	37,039	34,426	-2,613	-7.1%
53.1%	35,900	33,737	-2,163	-6.0%
54.3%	34,276	29,589	-4,687	-13.7%
55.6%	32,938	29,134	-3,804	-11.5%
56.8%	32,226	28,040	-4,186	-13.0%
58.0%	30,203	27,741	-2,462	-8.2%
59.3%	29,009	25,443	-3,567	-12.3%
60.5%	28,051	25,276	-2,775	-9.9%
61.7%	27,292	25,031	-2,261	-8.3%
63.0%	26,579	24,724	-1,855	-7.0%
64.2%	26,393	24,026	-2,367	-9.0%
65.4%	25,645	23,593	-2,052	-8.0%
66.7%	25,493	23,004	-2,489	-9.8%
67.9%	25,075	22,601	-2,474	-9.9%
69.1%	23,706	22,260	-1,446	-6.1%
70.4%	23,243	21,979	-1,264	-5.4%
71.6%	22,935	21,871	-1,065	-4.6%
72.8%	22,924	21,445	-1,479	-6.5%
74.1%	22,506	21,015	-1,491	-6.6%
75.3%	22,004	20,737	-1,267	-5.8%
76.5%	20,880	19,778	-1,102	-5.3%
77.8%	20,636	18,968	-1,669	-8.1%
79.0%	20,352	17,458	-2,894	-14.2%
80.2%	20,018	17,163	-2,855	-14.3%
81.5%	18,865	17,107	-1,758	-9.3%
82.7%	17,210	16,017	-1,193	-6.9%
84.0%	17,089	15,789	-1,300	-7.6%
85.2%	16,807	15,555	-1,252	-7.5%
86.4%	16,570	15,469	-1,100	-6.6%
87.7%	16,240	15,391	-850	-5.2%
88.9%	16,163	15,099	-1,064	-6.6%
90.1%	16,022	14,522	-1,500	-9.4%
91.4%	15,568	14,404	-1,164	-7.5%
92.6%	14,424	14,389	-35	-0.2%
93.8%	14,225	13,810	-415	-2.9%
95.1%	13,971	13,718	-253	-1.8%
96.3%	13,748	13,661	-88	-0.6%
97.5%	10,749	13,653	2,905	27.0%
98.8%	10,278	12,327	2,050	19.9%
100.0%	7,132	8,854	1,723	24.2%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	80,093	80,081	-12	0.0%
1.2%	77,434	77,211	-223	-0.3%
2.5%	77,215	76,975	-240	-0.3%
3.7%	77,047	76,826	-221	-0.3%
4.9%	76,301	75,876	-425	-0.6%
6.2%	75,346	75,347	1	0.0%
7.4%	73,469	72,939	-530	-0.7%
8.6%	67,288	67,291	3	0.0%
9.9%	66,653	66,548	-105	-0.2%
11.1%	65,749	64,681	-1,068	-1.6%
12.3%	64,678	63,992	-686	-1.1%
13.6%	63,922	63,721	-201	-0.3%
14.8%	63,109	63,106	-3	0.0%
16.0%	63,034	63,037	3	0.0%
17.3%	60,819	59,329	-1,491	-2.5%
18.5%	59,066	59,218	152	0.3%
19.8%	58,679	58,680	1	0.0%
21.0%	58,363	58,358	-6	0.0%
22.2%	56,000	55,987	-14	0.0%
23.5%	55,419	54,824	-595	-1.1%
24.7%	55,101	53,194	-1,907	-3.5%
25.9%	52,399	49,847	-2,552	-4.9%
27.2%	52,070	49,390	-2,680	-5.1%
28.4%	50,584	48,831	-1,752	-3.5%
29.6%	50,452	47,166	-3,286	-6.5%
30.9%	48,863	46,259	-2,603	-5.3%
32.1%	47,463	46,094	-1,369	-2.9%
33.3%	45,863	43,647	-2,215	-4.8%
34.6%	44,377	42,532	-1,845	-4.2%
35.8%	44,171	41,976	-2,196	-5.0%
37.0%	43,558	41,016	-2,542	-5.8%
38.3%	42,869	39,160	-3,709	-8.7%
39.5%	38,778	38,610	-168	-0.4%
40.7%	38,455	37,939	-517	-1.3%
42.0%	35,427	34,891	-536	-1.5%
43.2%	35,294	33,320	-1,974	-5.6%
44.4%	34,332	30,845	-3,486	-10.2%
45.7%	33,755	30,660	-3,095	-9.2%
46.9%	33,365	30,260	-3,105	-9.3%
48.1%	32,804	27,371	-5,433	-16.6%
49.4%	30,918	26,805	-4,112	-13.3%
50.6%	27,964	26,175	-1,789	-6.4%
51.9%	27,014	25,179	-1,835	-6.8%
53.1%	26,747	22,741	-4,006	-15.0%
54.3%	26,703	22,518	-4,185	-15.7%
55.6%	25,476	22,170	-3,306	-13.0%
56.8%	23,798	21,896	-1,902	-8.0%
58.0%	23,333	21,445	-1,888	-8.1%
59.3%	23,206	21,375	-1,831	-7.9%
60.5%	22,615	21,328	-1,287	-5.7%
61.7%	22,019	21,215	-804	-3.7%
63.0%	21,432	21,007	-426	-2.0%
64.2%	21,265	20,852	-413	-1.9%
65.4%	21,195	20,593	-603	-2.8%
66.7%	21,090	19,199	-1,891	-9.0%
67.9%	20,866	19,134	-1,732	-8.3%
69.1%	19,912	18,731	-1,181	-5.9%
70.4%	19,114	18,484	-630	-3.3%
71.6%	19,061	18,293	-768	-4.0%
72.8%	18,576	18,118	-458	-2.5%
74.1%	18,073	16,981	-1,092	-6.0%
75.3%	18,011	16,640	-1,371	-7.6%
76.5%	18,005	16,142	-1,863	-10.3%
77.8%	17,551	15,886	-1,665	-9.5%
79.0%	16,914	15,215	-1,698	-10.0%
80.2%	15,810	14,915	-896	-5.7%
81.5%	15,435	14,316	-1,119	-7.2%
82.7%	14,720	14,160	-560	-3.8%
84.0%	14,418	14,026	-392	-2.7%
85.2%	14,183	13,565	-617	-4.4%
86.4%	13,663	13,253	-410	-3.0%
87.7%	13,273	13,000	-273	-2.1%
88.9%	12,567	13,000	433	3.4%
90.1%	12,265	13,000	735	6.0%
91.4%	12,251	12,543	292	2.4%
92.6%	11,662	12,075	413	3.5%
93.8%	11,586	11,650	64	0.6%
95.1%	11,197	11,432	234	2.1%
96.3%	10,720	11,304	584	5.5%
97.5%	10,569	10,913	344	3.3%
98.8%	8,672	8,936	264	3.0%
100.0%	8,619	8,433	-186	-2.2%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,079	77,986	-93	-0.1%
1.2%	77,833	77,825	-8	0.0%
2.5%	69,534	69,050	-484	-0.7%
3.7%	55,136	54,708	-428	-0.8%
4.9%	53,456	53,451	-5	0.0%
6.2%	52,127	51,972	-155	-0.3%
7.4%	51,266	51,201	-66	-0.1%
8.6%	51,051	49,593	-1,458	-2.9%
9.9%	49,621	48,564	-1,057	-2.1%
11.1%	48,374	48,396	22	0.0%
12.3%	40,354	37,374	-2,979	-7.4%
13.6%	32,719	32,074	-645	-2.0%
14.8%	31,780	31,165	-615	-1.9%
16.0%	31,268	29,161	-2,108	-6.7%
17.3%	30,829	28,869	-1,960	-6.4%
18.5%	28,889	28,201	-688	-2.4%
19.8%	27,865	26,026	-1,839	-6.6%
21.0%	26,475	25,216	-1,259	-4.8%
22.2%	25,402	25,024	-378	-1.5%
23.5%	23,877	23,683	-194	-0.8%
24.7%	23,681	22,769	-912	-3.9%
25.9%	22,872	21,517	-1,356	-5.9%
27.2%	21,252	21,257	5	0.0%
28.4%	20,925	20,546	-379	-1.8%
29.6%	20,473	20,251	-222	-1.1%
30.9%	20,095	19,493	-602	-3.0%
32.1%	18,915	19,444	529	2.8%
33.3%	18,825	18,764	-61	-0.3%
34.6%	17,655	16,895	-759	-4.3%
35.8%	16,470	16,808	339	2.1%
37.0%	16,436	16,453	17	0.1%
38.3%	16,434	16,376	-58	-0.4%
39.5%	16,107	16,231	124	0.8%
40.7%	15,882	16,202	319	2.0%
42.0%	15,876	15,960	84	0.5%
43.2%	15,856	15,763	-92	-0.6%
44.4%	15,487	15,057	-430	-2.8%
45.7%	15,326	14,426	-901	-5.9%
46.9%	14,537	14,224	-313	-2.2%
48.1%	14,021	13,877	-144	-1.0%
49.4%	13,961	13,330	-630	-4.5%
50.6%	13,433	13,294	-139	-1.0%
51.9%	13,403	13,225	-178	-1.3%
53.1%	13,378	13,000	-378	-2.8%
54.3%	13,086	13,000	-86	-0.7%
55.6%	12,716	13,000	284	2.2%
56.8%	12,504	13,000	496	4.0%
58.0%	12,467	13,000	533	4.3%
59.3%	12,257	12,676	419	3.4%
60.5%	12,236	12,063	-173	-1.4%
61.7%	12,165	12,029	-137	-1.1%
63.0%	12,073	12,019	-54	-0.4%
64.2%	12,063	11,953	-110	-0.9%
65.4%	12,013	11,940	-73	-0.6%
66.7%	11,920	11,920	0	0.0%
67.9%	11,725	11,892	168	1.4%
69.1%	11,406	11,669	263	2.3%
70.4%	11,364	11,436	72	0.6%
71.6%	11,279	11,354	75	0.7%
72.8%	11,265	11,153	-112	-1.0%
74.1%	11,245	11,139	-106	-0.9%
75.3%	11,064	11,024	-40	-0.4%
76.5%	10,901	10,886	-15	-0.1%
77.8%	10,857	10,726	-131	-1.2%
79.0%	10,675	10,695	19	0.2%
80.2%	9,978	10,667	688	6.9%
81.5%	9,972	10,424	451	4.5%
82.7%	9,945	10,269	324	3.3%
84.0%	9,887	10,203	317	3.2%
85.2%	9,791	10,176	386	3.9%
86.4%	9,781	9,725	-56	-0.6%
87.7%	9,765	9,700	-65	-0.7%
88.9%	9,701	9,568	-133	-1.4%
90.1%	9,515	9,515	0	0.0%
91.4%	9,262	9,195	-67	-0.7%
92.6%	9,216	9,165	-51	-0.6%
93.8%	9,012	9,085	73	0.8%
95.1%	8,773	8,773	0	0.0%
96.3%	8,686	8,634	-52	-0.6%
97.5%	8,415	8,345	-70	-0.8%
98.8%	8,155	8,270	116	1.4%
100.0%	7,758	8,102	344	4.4%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	40,442	37,711	-2,731	-6.8%
1.2%	28,288	26,485	-1,803	-6.4%
2.5%	23,021	24,300	1,279	5.6%
3.7%	22,152	22,195	43	0.2%
4.9%	21,020	17,741	-3,279	-15.6%
6.2%	18,167	17,540	-627	-3.5%
7.4%	17,799	15,947	-1,853	-10.4%
8.6%	15,918	15,528	-391	-2.5%
9.9%	15,511	15,509	-2	0.0%
11.1%	15,275	15,274	-1	0.0%
12.3%	15,258	15,258	0	0.0%
13.6%	15,145	14,983	-162	-1.1%
14.8%	14,826	14,982	157	1.1%
16.0%	14,143	14,756	613	4.3%
17.3%	13,758	14,043	286	2.1%
18.5%	13,703	13,758	55	0.4%
19.8%	13,509	13,587	78	0.6%
21.0%	13,378	13,535	158	1.2%
22.2%	12,929	13,079	150	1.2%
23.5%	12,798	13,076	278	2.2%
24.7%	12,638	13,000	362	2.9%
25.9%	12,459	13,000	541	4.3%
27.2%	12,375	13,000	625	5.0%
28.4%	12,351	13,000	649	5.3%
29.6%	12,249	13,000	751	6.1%
30.9%	12,141	13,000	859	7.1%
32.1%	12,090	13,000	910	7.5%
33.3%	11,897	13,000	1,103	9.3%
34.6%	11,880	13,000	1,120	9.4%
35.8%	11,777	12,619	842	7.1%
37.0%	11,691	12,144	453	3.9%
38.3%	11,646	11,883	237	2.0%
39.5%	11,598	11,693	95	0.8%
40.7%	11,421	11,691	270	2.4%
42.0%	11,419	11,646	227	2.0%
43.2%	11,362	11,638	276	2.4%
44.4%	11,083	11,527	444	4.0%
45.7%	10,980	11,378	397	3.6%
46.9%	10,896	11,282	386	3.5%
48.1%	10,886	11,170	284	2.6%
49.4%	10,705	11,087	381	3.6%
50.6%	10,671	10,787	117	1.1%
51.9%	10,663	10,748	86	0.8%
53.1%	10,510	10,716	206	2.0%
54.3%	10,308	10,662	354	3.4%
55.6%	10,296	10,272	-23	-0.2%
56.8%	10,282	10,025	-257	-2.5%
58.0%	10,083	9,801	-283	-2.8%
59.3%	10,028	9,787	-241	-2.4%
60.5%	9,849	9,762	-87	-0.9%
61.7%	9,807	9,697	-110	-1.1%
63.0%	9,710	9,573	-137	-1.4%
64.2%	9,665	9,572	-93	-1.0%
65.4%	9,662	9,474	-187	-1.9%
66.7%	9,474	9,347	-127	-1.3%
67.9%	9,401	9,345	-56	-0.6%
69.1%	9,347	9,301	-46	-0.5%
70.4%	9,346	9,240	-106	-1.1%
71.6%	9,301	9,149	-152	-1.6%
72.8%	9,257	9,145	-112	-1.2%
74.1%	9,159	9,125	-33	-0.4%
75.3%	9,099	9,093	-7	-0.1%
76.5%	9,081	9,043	-38	-0.4%
77.8%	9,013	9,009	-3	0.0%
79.0%	9,005	8,956	-49	-0.5%
80.2%	8,954	8,940	-14	-0.2%
81.5%	8,889	8,844	-45	-0.5%
82.7%	8,869	8,835	-34	-0.4%
84.0%	8,795	8,795	0	0.0%
85.2%	8,673	8,675	2	0.0%
86.4%	8,622	8,579	-43	-0.5%
87.7%	8,575	8,570	-5	-0.1%
88.9%	8,565	8,537	-28	-0.3%
90.1%	8,487	8,474	-13	-0.1%
91.4%	7,987	7,991	5	0.1%
92.6%	7,969	7,990	22	0.3%
93.8%	7,559	7,514	-45	-0.6%
95.1%	7,416	7,196	-220	-3.0%
96.3%	6,703	6,705	2	0.0%
97.5%	6,693	6,463	-230	-3.4%
98.8%	6,147	6,181	35	0.6%
100.0%	5,274	5,255	-19	-0.4%

Table SW-30-b

Sacramento River below Hood, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,175	25,178	1,003	4.1%
1.2%	19,589	19,115	-474	-2.4%
2.5%	18,690	18,430	-261	-1.4%
3.7%	17,667	17,731	64	0.4%
4.9%	16,698	16,743	45	0.3%
6.2%	16,420	16,033	-387	-2.4%
7.4%	15,624	15,946	322	2.1%
8.6%	15,562	15,561	-1	0.0%
9.9%	15,414	15,429	15	0.1%
11.1%	15,312	15,398	86	0.6%
12.3%	15,219	15,291	72	0.5%
13.6%	15,174	15,095	-80	-0.5%
14.8%	15,117	15,025	-92	-0.6%
16.0%	15,032	14,889	-143	-1.0%
17.3%	14,906	14,737	-169	-1.1%
18.5%	14,834	14,734	-99	-0.7%
19.8%	14,734	14,668	-66	-0.4%
21.0%	14,661	14,433	-228	-1.6%
22.2%	14,408	14,432	24	0.2%
23.5%	14,359	14,402	43	0.3%
24.7%	14,274	14,377	103	0.7%
25.9%	14,103	14,374	271	1.9%
27.2%	14,019	14,227	208	1.5%
28.4%	13,975	13,988	13	0.1%
29.6%	13,671	13,951	280	2.1%
30.9%	13,670	13,925	254	1.9%
32.1%	13,659	13,884	226	1.7%
33.3%	13,645	13,861	216	1.6%
34.6%	13,640	13,732	93	0.7%
35.8%	13,585	13,670	86	0.6%
37.0%	13,478	13,661	183	1.4%
38.3%	13,475	13,640	165	1.2%
39.5%	13,425	13,639	214	1.6%
40.7%	13,403	13,627	223	1.7%
42.0%	13,249	13,480	231	1.7%
43.2%	13,180	13,478	298	2.3%
44.4%	13,168	13,472	304	2.3%
45.7%	13,058	13,436	378	2.9%
46.9%	13,047	13,342	295	2.3%
48.1%	13,023	13,179	156	1.2%
49.4%	13,015	13,168	154	1.2%
50.6%	12,963	13,087	124	1.0%
51.9%	12,961	13,058	97	0.7%
53.1%	12,949	13,056	107	0.8%
54.3%	12,934	13,047	113	0.9%
55.6%	12,932	13,015	83	0.6%
56.8%	12,857	13,000	143	1.1%
58.0%	12,776	13,000	224	1.8%
59.3%	12,535	13,000	465	3.7%
60.5%	12,432	13,000	568	4.6%
61.7%	12,421	13,000	579	4.7%
63.0%	12,399	13,000	601	4.8%
64.2%	12,186	13,000	814	6.7%
65.4%	12,178	13,000	822	6.8%
66.7%	12,078	13,000	922	7.6%
67.9%	12,051	13,000	949	7.9%
69.1%	11,944	12,963	1,019	8.5%
70.4%	11,834	12,955	1,121	9.5%
71.6%	11,796	12,934	1,138	9.6%
72.8%	11,572	12,932	1,359	11.7%
74.1%	11,561	12,857	1,296	11.2%
75.3%	11,560	12,579	1,019	8.8%
76.5%	11,112	12,399	1,287	11.6%
77.8%	10,964	12,186	1,223	11.2%
79.0%	10,897	12,131	1,233	11.3%
80.2%	10,875	12,048	1,173	10.8%
81.5%	10,869	11,923	1,054	9.7%
82.7%	10,840	11,845	1,005	9.3%
84.0%	10,785	11,634	849	7.9%
85.2%	10,681	11,559	878	8.2%
86.4%	10,648	11,548	900	8.5%
87.7%	10,472	11,365	893	8.5%
88.9%	10,448	10,995	547	5.2%
90.1%	10,447	10,897	450	4.3%
91.4%	10,415	10,648	233	2.2%
92.6%	10,328	10,548	219	2.1%
93.8%	10,204	10,448	245	2.4%
95.1%	9,718	9,718	0	0.0%
96.3%	8,541	8,583	42	0.5%
97.5%	8,065	8,476	411	5.1%
98.8%	7,906	8,122	216	2.7%
100.0%	7,474	8,049	575	7.7%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,677	25,238	560	2.3%
1.2%	24,306	24,567	261	1.1%
2.5%	24,306	24,319	14	0.1%
3.7%	24,179	24,306	127	0.5%
4.9%	24,099	24,306	206	0.9%
6.2%	24,089	24,164	76	0.3%
7.4%	23,909	24,134	225	0.9%
8.6%	23,863	24,113	250	1.0%
9.9%	23,813	23,928	115	0.5%
11.1%	23,436	23,925	488	2.1%
12.3%	23,393	23,708	315	1.3%
13.6%	23,386	23,654	268	1.1%
14.8%	23,210	23,491	281	1.2%
16.0%	22,984	23,229	245	1.1%
17.3%	22,914	23,178	264	1.2%
18.5%	22,890	23,126	237	1.0%
19.8%	22,647	23,063	416	1.8%
21.0%	22,631	22,924	293	1.3%
22.2%	22,596	22,898	302	1.3%
23.5%	22,594	22,882	288	1.3%
24.7%	22,566	22,773	207	0.9%
25.9%	22,533	22,708	175	0.8%
27.2%	22,527	22,651	124	0.5%
28.4%	22,521	22,639	119	0.5%
29.6%	22,409	22,598	188	0.8%
30.9%	22,408	22,430	22	0.1%
32.1%	22,316	22,401	86	0.4%
33.3%	22,232	22,332	100	0.4%
34.6%	22,213	22,304	91	0.4%
35.8%	22,197	22,230	32	0.1%
37.0%	22,052	22,142	90	0.4%
38.3%	21,835	21,874	39	0.2%
39.5%	21,826	21,854	28	0.1%
40.7%	21,753	21,837	84	0.4%
42.0%	21,438	21,511	73	0.3%
43.2%	21,030	21,424	394	1.9%
44.4%	21,004	21,298	295	1.4%
45.7%	20,941	21,253	312	1.5%
46.9%	20,879	21,235	356	1.7%
48.1%	20,779	20,844	66	0.3%
49.4%	20,229	20,343	114	0.6%
50.6%	20,004	20,175	171	0.9%
51.9%	19,672	20,067	395	2.0%
53.1%	19,363	20,059	696	3.6%
54.3%	19,308	20,036	728	3.8%
55.6%	19,256	19,987	731	3.8%
56.8%	19,244	19,701	457	2.4%
58.0%	18,959	19,640	681	3.6%
59.3%	18,949	19,570	620	3.3%
60.5%	18,787	19,534	746	4.0%
61.7%	18,362	18,963	601	3.3%
63.0%	18,317	18,574	257	1.4%
64.2%	18,143	18,541	398	2.2%
65.4%	17,813	18,492	680	3.8%
66.7%	17,769	18,307	538	3.0%
67.9%	17,347	17,721	375	2.2%
69.1%	17,066	17,707	641	3.8%
70.4%	17,005	17,294	289	1.7%
71.6%	16,925	17,180	256	1.5%
72.8%	16,881	16,945	65	0.4%
74.1%	16,361	16,933	572	3.5%
75.3%	14,948	16,897	1,949	13.0%
76.5%	14,687	16,860	2,173	14.8%
77.8%	14,378	15,340	962	6.7%
79.0%	13,890	15,275	1,384	10.0%
80.2%	13,157	15,185	2,028	15.4%
81.5%	12,576	13,399	823	6.5%
82.7%	11,873	13,138	1,266	10.7%
84.0%	11,656	12,756	1,100	9.4%
85.2%	11,437	12,746	1,309	11.4%
86.4%	11,407	12,615	1,208	10.6%
87.7%	11,014	12,465	1,451	13.2%
88.9%	10,868	12,049	1,181	10.9%
90.1%	10,667	11,925	1,258	11.8%
91.4%	10,102	11,678	1,576	15.6%
92.6%	10,060	10,588	528	5.3%
93.8%	9,852	10,586	734	7.4%
95.1%	9,542	10,121	580	6.1%
96.3%	9,373	9,930	557	5.9%
97.5%	9,278	9,732	454	4.9%
98.8%	9,269	9,697	428	4.6%
100.0%	8,312	9,169	857	10.3%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,866	18,974	-892	-4.5%
1.2%	17,447	16,964	-483	-2.8%
2.5%	16,963	16,923	-40	-0.2%
3.7%	16,769	16,880	111	0.7%
4.9%	16,716	16,716	0	0.0%
6.2%	16,487	16,579	92	0.6%
7.4%	16,479	16,551	72	0.4%
8.6%	16,176	16,482	306	1.9%
9.9%	15,968	16,480	512	3.2%
11.1%	15,965	16,400	434	2.7%
12.3%	15,954	16,378	423	2.7%
13.6%	15,871	16,320	449	2.8%
14.8%	15,827	16,286	459	2.9%
16.0%	15,762	16,275	513	3.3%
17.3%	15,699	16,069	370	2.4%
18.5%	15,642	16,065	423	2.7%
19.8%	15,558	15,976	418	2.7%
21.0%	15,448	15,976	528	3.4%
22.2%	15,330	15,965	635	4.1%
23.5%	15,294	15,956	662	4.3%
24.7%	15,214	15,827	613	4.0%
25.9%	15,155	15,762	607	4.0%
27.2%	15,085	15,703	618	4.1%
28.4%	15,033	15,679	645	4.3%
29.6%	15,030	15,421	390	2.6%
30.9%	14,993	15,391	397	2.7%
32.1%	14,890	15,378	488	3.3%
33.3%	14,885	15,372	487	3.3%
34.6%	14,804	15,300	496	3.4%
35.8%	14,768	15,291	523	3.5%
37.0%	14,634	15,273	639	4.4%
38.3%	14,443	15,267	824	5.7%
39.5%	14,362	15,161	799	5.6%
40.7%	14,350	15,128	778	5.4%
42.0%	14,123	15,112	988	7.0%
43.2%	14,063	15,060	997	7.1%
44.4%	13,941	15,053	1,111	8.0%
45.7%	13,937	15,034	1,097	7.9%
46.9%	13,927	15,026	1,099	7.9%
48.1%	13,852	14,993	1,142	8.2%
49.4%	13,795	14,872	1,077	7.8%
50.6%	13,728	14,862	1,134	8.3%
51.9%	13,727	14,634	908	6.6%
53.1%	13,690	14,613	923	6.7%
54.3%	13,653	14,356	704	5.2%
55.6%	13,546	14,322	776	5.7%
56.8%	13,330	14,266	936	7.0%
58.0%	12,888	14,031	1,143	8.9%
59.3%	12,482	13,846	1,364	10.9%
60.5%	12,440	13,725	1,284	10.3%
61.7%	12,247	13,717	1,471	12.0%
63.0%	12,186	13,687	1,501	12.3%
64.2%	12,008	13,541	1,533	12.8%
65.4%	11,782	13,288	1,506	12.8%
66.7%	11,731	13,245	1,514	12.9%
67.9%	11,381	13,095	1,713	15.1%
69.1%	11,367	12,895	1,528	13.4%
70.4%	11,206	11,664	458	4.1%
71.6%	11,172	11,644	472	4.2%
72.8%	10,971	11,291	320	2.9%
74.1%	10,867	11,165	297	2.7%
75.3%	10,855	10,940	85	0.8%
76.5%	10,741	10,900	159	1.5%
77.8%	10,606	10,894	288	2.7%
79.0%	10,391	10,763	372	3.6%
80.2%	10,239	10,709	470	4.6%
81.5%	10,190	10,681	491	4.8%
82.7%	10,153	10,680	527	5.2%
84.0%	10,055	10,670	615	6.1%
85.2%	9,996	10,487	491	4.9%
86.4%	9,972	10,465	493	4.9%
87.7%	9,771	10,343	572	5.9%
88.9%	9,738	10,269	532	5.5%
90.1%	9,502	10,036	534	5.6%
91.4%	9,260	9,890	629	6.8%
92.6%	9,065	9,832	767	8.5%
93.8%	9,035	9,714	680	7.5%
95.1%	8,723	9,246	523	6.0%
96.3%	8,638	8,656	18	0.2%
97.5%	8,540	8,345	-195	-2.3%
98.8%	8,412	8,262	-150	-1.8%
100.0%	8,356	7,495	-862	-10.3%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,900	31,864	-36	-0.1%
1.2%	31,025	31,450	425	1.4%
2.5%	30,576	31,271	695	2.3%
3.7%	30,531	30,820	289	0.9%
4.9%	30,411	30,267	-143	-0.5%
6.2%	29,340	29,921	581	2.0%
7.4%	29,226	29,005	-221	-0.8%
8.6%	28,915	28,842	-73	-0.3%
9.9%	28,720	28,791	71	0.2%
11.1%	27,992	28,700	708	2.5%
12.3%	27,965	28,329	364	1.3%
13.6%	27,924	27,843	-81	-0.3%
14.8%	27,891	27,725	-166	-0.6%
16.0%	27,641	27,597	-44	-0.2%
17.3%	27,598	27,229	-369	-1.3%
18.5%	27,565	27,066	-500	-1.8%
19.8%	26,954	26,861	-93	-0.3%
21.0%	26,021	26,140	119	0.5%
22.2%	25,568	24,745	-822	-3.2%
23.5%	24,718	24,550	-168	-0.7%
24.7%	24,706	23,874	-832	-3.4%
25.9%	24,454	23,841	-613	-2.5%
27.2%	24,161	23,297	-863	-3.6%
28.4%	23,600	23,285	-315	-1.3%
29.6%	23,519	23,106	-413	-1.8%
30.9%	23,441	23,060	-381	-1.6%
32.1%	22,978	22,735	-244	-1.1%
33.3%	22,752	22,725	-27	-0.1%
34.6%	22,264	21,872	-392	-1.8%
35.8%	21,715	21,760	45	0.2%
37.0%	21,159	21,217	58	0.3%
38.3%	19,791	19,760	-31	-0.2%
39.5%	19,742	19,320	-422	-2.1%
40.7%	19,545	18,741	-803	-4.1%
42.0%	19,376	18,662	-714	-3.7%
43.2%	18,696	18,400	-296	-1.6%
44.4%	13,993	15,618	1,625	11.6%
45.7%	13,883	15,333	1,450	10.4%
46.9%	13,100	14,908	1,808	13.8%
48.1%	13,043	14,883	1,840	14.1%
49.4%	12,849	14,624	1,775	13.8%
50.6%	12,446	14,608	2,163	17.4%
51.9%	12,335	14,559	2,224	18.0%
53.1%	12,181	14,351	2,170	17.8%
54.3%	12,176	14,057	1,881	15.4%
55.6%	12,129	13,897	1,768	14.6%
56.8%	12,017	13,768	1,751	14.6%
58.0%	12,003	13,737	1,734	14.4%
59.3%	11,799	13,700	1,901	16.1%
60.5%	11,690	13,594	1,904	16.3%
61.7%	11,664	13,399	1,735	14.9%
63.0%	11,571	13,358	1,787	15.4%
64.2%	11,192	13,313	2,122	19.0%
65.4%	11,097	13,313	2,216	20.0%
66.7%	10,983	13,169	2,186	19.9%
67.9%	10,422	12,633	2,211	21.2%
69.1%	10,304	12,416	2,113	20.5%
70.4%	10,178	11,877	1,699	16.7%
71.6%	9,789	11,866	2,077	21.2%
72.8%	9,536	11,805	2,269	23.8%
74.1%	9,475	11,735	2,259	23.8%
75.3%	8,993	11,568	2,575	28.6%
76.5%	8,798	11,540	2,742	31.2%
77.8%	8,680	11,490	2,810	32.4%
79.0%	8,664	11,489	2,826	32.6%
80.2%	8,568	11,325	2,757	32.2%
81.5%	8,227	11,000	2,773	33.7%
82.7%	7,812	10,909	3,096	39.6%
84.0%	7,634	10,697	3,064	40.1%
85.2%	7,558	10,458	2,900	38.4%
86.4%	7,494	10,353	2,859	38.2%
87.7%	7,486	10,170	2,684	35.9%
88.9%	7,334	9,457	2,122	28.9%
90.1%	7,250	8,879	1,629	22.5%
91.4%	7,166	8,837	1,671	23.3%
92.6%	6,966	8,249	1,284	18.4%
93.8%	6,911	8,216	1,305	18.9%
95.1%	6,556	8,110	1,554	23.7%
96.3%	6,527	7,881	1,354	20.7%
97.5%	6,337	7,793	1,456	23.0%
98.8%	6,276	7,041	764	12.2%
100.0%	6,218	6,561	343	5.5%

Figure SW-31-b
Yolo Bypass, Monthly Flow
Probability of Exceedance

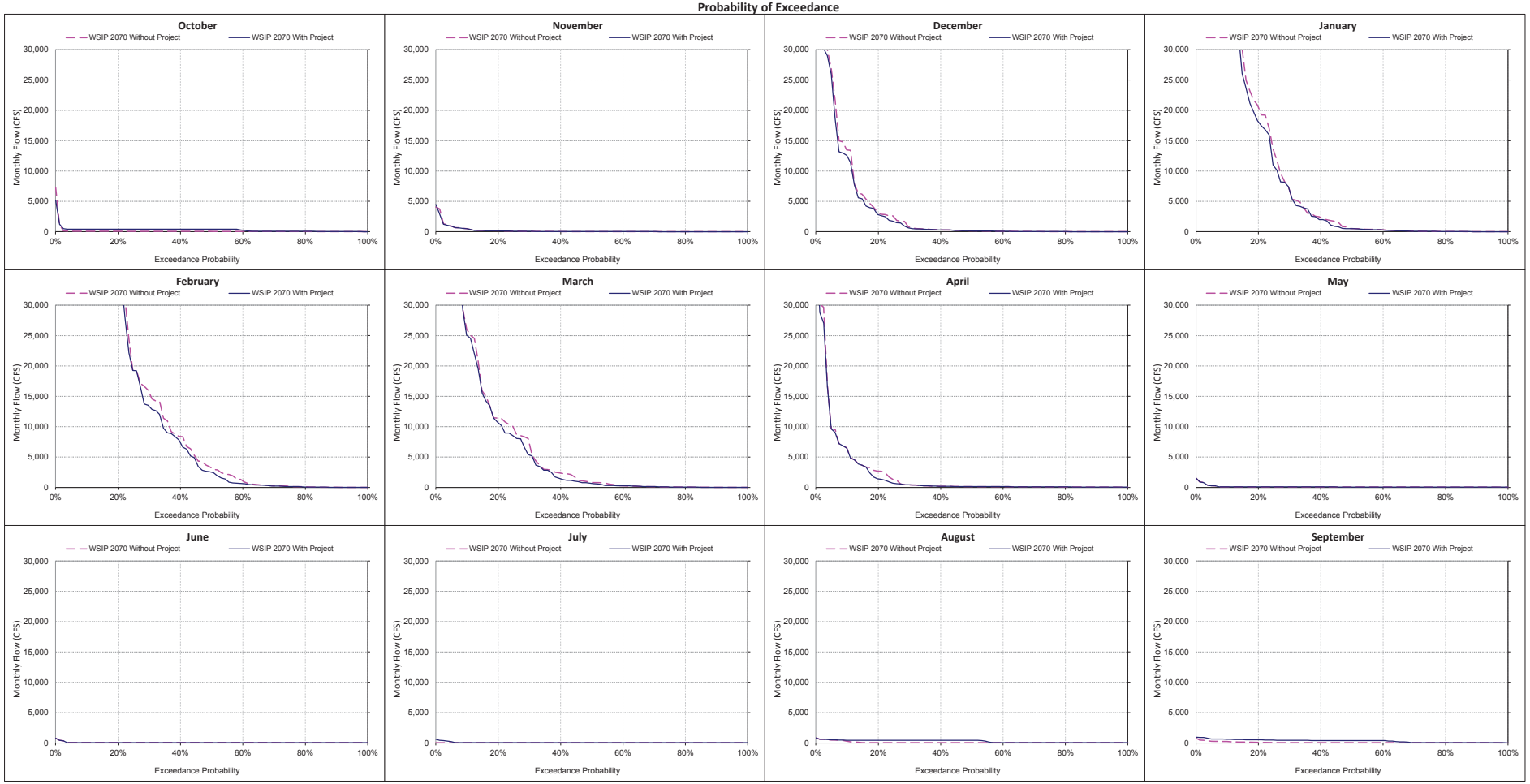


Table SW-31-b

Yolo Bypass, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,331	5,153	-2,179	-29.7%
1.2%	1,201	1,201	0	0.0%
2.5%	138	486	348	251.8%
3.7%	93	405	311	333.6%
4.9%	86	404	317	367.2%
6.2%	76	390	314	413.1%
7.4%	64	390	326	508.2%
8.6%	63	390	327	515.8%
9.9%	63	390	327	516.6%
11.1%	63	390	327	516.6%
12.3%	63	390	327	516.6%
13.6%	63	390	327	516.6%
14.8%	63	390	327	520.9%
16.0%	63	390	327	520.9%
17.3%	63	390	328	523.1%
18.5%	62	390	329	532.0%
19.8%	62	390	329	534.3%
21.0%	61	390	329	536.5%
22.2%	61	390	329	538.8%
23.5%	61	390	329	538.8%
24.7%	61	390	330	543.5%
25.9%	60	390	330	545.9%
27.2%	60	390	330	550.6%
28.4%	59	390	331	557.9%
29.6%	58	390	333	575.5%
30.9%	58	390	333	577.9%
32.1%	56	390	334	593.9%
33.3%	54	390	336	617.1%
34.6%	54	390	336	619.4%
35.8%	54	390	336	622.3%
37.0%	54	390	337	625.2%
38.3%	53	390	337	631.2%
39.5%	53	390	337	634.3%
40.7%	53	390	337	637.2%
42.0%	53	390	338	643.3%
43.2%	52	390	338	648.5%
44.4%	52	390	338	653.1%
45.7%	50	390	340	676.0%
46.9%	49	390	342	702.6%
48.1%	46	390	344	751.1%
49.4%	45	390	345	759.1%
50.6%	45	390	346	771.7%
51.9%	45	390	346	776.2%
53.1%	44	390	346	789.1%
54.3%	43	390	347	798.5%
55.6%	43	390	347	803.1%
56.8%	42	390	348	821.7%
58.0%	42	390	348	824.4%
59.3%	40	298	258	639.1%
60.5%	40	192	152	381.3%
61.7%	39	93	54	136.3%
63.0%	38	76	38	100.3%
64.2%	38	63	25	65.9%
65.4%	37	63	26	69.9%
66.7%	37	63	26	71.1%
67.9%	36	62	26	70.7%
69.1%	30	61	32	105.8%
70.4%	29	61	32	109.8%
71.6%	26	61	35	132.9%
72.8%	24	60	37	153.8%
74.1%	22	54	31	139.2%
75.3%	20	53	33	165.0%
76.5%	18	53	35	189.1%
77.8%	17	53	36	209.5%
79.0%	16	50	35	221.0%
80.2%	15	46	31	214.9%
81.5%	14	45	31	225.8%
82.7%	12	44	32	256.9%
84.0%	12	43	32	264.7%
85.2%	11	40	30	273.2%
86.4%	9	40	31	363.6%
87.7%	8	37	28	336.5%
88.9%	6	36	30	
90.1%	5	26	21	
91.4%	4	19	14	
92.6%	3	14	11	
93.8%	3	11	8	
95.1%	2	6	4	
96.3%	1	4	3	
97.5%	0	3	3	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,071	4,454	383	9.4%
1.2%	3,748	2,948	-800	-21.4%
2.5%	1,272	1,209	-63	-5.0%
3.7%	1,168	1,052	-116	-9.9%
4.9%	933	933	0	0.0%
6.2%	655	655	0	0.0%
7.4%	652	627	-25	-3.9%
8.6%	551	551	0	0.0%
9.9%	489	489	0	0.0%
11.1%	353	353	0	0.0%
12.3%	213	213	0	0.0%
13.6%	197	197	0	0.0%
14.8%	187	187	0	0.0%
16.0%	165	165	0	0.0%
17.3%	160	160	0	0.0%
18.5%	156	156	0	0.0%
19.8%	151	151	0	0.0%
21.0%	121	127	6	5.3%
22.2%	109	109	0	0.0%
23.5%	97	97	0	0.0%
24.7%	90	81	-10	-10.6%
25.9%	81	66	-15	-18.7%
27.2%	66	62	-3	-5.1%
28.4%	51	51	0	0.0%
29.6%	50	50	0	0.0%
30.9%	49	49	0	0.0%
32.1%	37	37	0	0.0%
33.3%	36	36	0	0.0%
34.6%	35	35	0	0.0%
35.8%	35	35	0	0.0%
37.0%	25	31	6	23.0%
38.3%	24	25	1	4.9%
39.5%	20	19	-2	-7.8%
40.7%	12	10	-2	-16.6%
42.0%	10	10	0	
43.2%	10	10	0	
44.4%	10	10	0	
45.7%	10	10	0	
46.9%	10	9	0	
48.1%	9	9	-1	
49.4%	9	9	0	
50.6%	9	8	0	
51.9%	8	8	0	
53.1%	8	8	-1	
54.3%	7	7	0	
55.6%	7	7	0	
56.8%	7	7	0	
58.0%	7	7	0	
59.3%	6	6	0	
60.5%	5	5	0	
61.7%	5	5	0	
63.0%	5	5	0	
64.2%	5	5	0	
65.4%	3	5	2	
66.7%	2	4	2	
67.9%	2	3	1	
69.1%	1	2	0	
70.4%	0	1	1	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	82,657	85,353	2,696	3.3%
1.2%	49,472	46,760	-2,712	-5.5%
2.5%	33,968	30,177	-3,791	-11.2%
3.7%	29,937	29,003	-935	-3.1%
4.9%	26,784	25,965	-819	-3.1%
6.2%	21,612	18,579	-3,033	-14.0%
7.4%	14,989	13,177	-1,811	-12.1%
8.6%	14,787	12,941	-1,847	-12.5%
9.9%	13,473	12,545	-927	-6.9%
11.1%	13,415	11,418	-1,996	-14.9%
12.3%	7,794	7,718	-76	-1.0%
13.6%	6,397	5,570	-826	-12.9%
14.8%	6,168	5,424	-744	-12.1%
16.0%	5,371	4,220	-1,151	-21.4%
17.3%	4,654	3,961	-693	-14.9%
18.5%	4,024	3,831	-193	-4.8%
19.8%	3,205	2,841	-364	-11.4%
21.0%	2,860	2,631	-229	-8.0%
22.2%	2,817	2,474	-343	-12.2%
23.5%	2,614	1,873	-741	-28.3%
24.7%	2,611	1,734	-877	-33.6%
25.9%	1,856	1,498	-358	-19.3%
27.2%	1,715	1,426	-288	-16.8%
28.4%	1,711	913	-798	-46.6%
29.6%	800	605	-195	-24.4%
30.9%	605	503	-102	-16.9%
32.1%	503	470	-33	-6.5%
33.3%	470	442	-28	-5.9%
34.6%	442	411	-31	-7.0%
35.8%	411	375	-36	-8.8%
37.0%	350	350	0	0.0%
38.3%	349	330	-19	-5.4%
39.5%	330	294	-36	-10.8%
40.7%	285	285	0	0.0%
42.0%	280	265	-15	-5.2%
43.2%	265	261	-4	-1.7%
44.4%	230	195	-34	-15.0%
45.7%	192	192	0	
46.9%	178	158	-20	
48.1%	158	138	-20	
49.4%	138	135	-3	
50.6%	135	126	-9	
51.9%	122	122	0	
53.1%	107	107	0	
54.3%	102	102	0	
55.6%	93	93	0	
56.8%	81	91	10	
58.0%	70	70	0	
59.3%	63	63	0	
60.5%	57	57	0	
61.7%	55	55	0	
63.0%	52	42	-9	
64.2%	42	42	0	
65.4%	42	41	-2	
66.7%	41	37	-3	
67.9%	34	34	0	
69.1%	24	31	8	
70.4%	23	23	0	
71.6%	13	13	0	
72.8%	10	10	0	
74.1%	8	10	1	
75.3%	0	8	8	
76.5%	0	8	8	
77.8%	0	7	7	
79.0%	0	5	5	
80.2%	0	1	1	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	179,562	179,754	192	0.1%
1.2%	158,761	157,807	-953	-0.6%
2.5%	131,052	126,155	-4,897	-3.7%
3.7%	113,156	110,797	-2,359	-2.1%
4.9%	88,762	84,898	-3,863	-4.4%
6.2%	80,051	78,875	-1,176	-1.5%
7.4%	69,412	64,786	-4,625	-6.7%
8.6%	65,233	63,373	-1,860	-2.9%
9.9%	53,758	50,204	-3,553	-6.6%
11.1%	50,055	49,614	-441	-0.9%
12.3%	47,461	48,773	1,312	2.8%
13.6%	32,571	33,118	547	1.7%
14.8%	30,073	26,031	-4,041	-13.4%
16.0%	24,963	23,635	-1,328	-5.3%
17.3%	23,191	21,153	-2,038	-8.8%
18.5%	21,693	19,655	-2,038	-9.4%
19.8%	20,842	18,304	-2,538	-12.2%
21.0%	19,247	17,440	-1,807	-9.4%
22.2%	19,214	16,785	-2,430	-12.6%
23.5%	17,017	15,946	-1,071	-6.3%
24.7%	13,667	10,978	-2,688	-19.7%
25.9%	11,780	10,125	-1,656	-14.1%
27.2%	9,605	8,191	-1,415	-14.7%
28.4%	8,274	8,173	-102	-1.2%
29.6%	7,442	7,412	-30	-0.4%
30.9%	5,341	5,349	8	0.2%
32.1%	5,176	4,317	-859	-16.6%
33.3%	4,873	4,178	-695	-14.3%
34.6%	3,913	3,921	8	0.2%
35.8%	3,032	3,740	707	23.3%
37.0%	2,942	2,547	-395	-13.4%
38.3%	2,539	2,463	-76	-3.0%
39.5%	2,455	1,990	-464	-18.9%
40.7%	2,142	1,982	-160	-7.5%
42.0%	1,973	1,780	-193	-9.8%
43.2%	1,822	1,085	-737	-40.5%
44.4%	1,725	858	-867	-50.2%
45.7%	1,531	792	-739	-48.3%
46.9%	849	517	-332	-39.1%
48.1%	792	493	-299	
49.4%	517	490	-28	
50.6%	500	475	-26	
51.9%	490	444	-46	
53.1%	447	397	-50	
54.3%	397	374	-23	
55.6%	374	371	-3	
56.8%	371	342	-30	
58.0%	342	327	-15	
59.3%	327	326	-1	
60.5%	281	218	-63	
61.7%	218	197	-21	
63.0%	197	187	-10	
64.2%	187	166	-21	
65.4%	186	132	-54	
66.7%	166	128	-37	
67.9%	128	102	-26	
69.1%	121	70	-51	
70.4%	70	63	-7	
71.6%	63	62	-2	
72.8%	61	61	0	
74.1%	59	59	0	
75.3%	50	56	6	
76.5%	37	50	13	
77.8%	31	37	7	
79.0%	28	31	3	
80.2%	26	26	0	
81.5%	26	23	-3	
82.7%	23	21	-2	
84.0%	21	21	0	
85.2%	14	14	0	
86.4%	7	13	7	
87.7%	2	7	5	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-31-b

Yolo Bypass, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	184,556	186,555	1,998	1.1%
1.2%	146,295	142,488	-3,807	-2.6%
2.5%	136,546	134,388	-2,158	-1.6%
3.7%	121,991	120,040	-1,951	-1.6%
4.9%	112,996	112,839	-157	-0.1%
6.2%	100,805	100,727	-79	-0.1%
7.4%	97,758	92,925	-4,832	-4.9%
8.6%	84,992	84,572	-420	-0.5%
9.9%	68,514	69,036	522	0.8%
11.1%	65,917	63,577	-2,340	-3.6%
12.3%	57,160	57,589	429	0.8%
13.6%	50,471	50,594	123	0.2%
14.8%	49,918	48,052	-1,866	-3.7%
16.0%	49,844	44,802	-5,043	-10.1%
17.3%	48,383	43,953	-4,430	-9.2%
18.5%	45,258	42,330	-2,928	-6.5%
19.8%	43,944	42,263	-1,681	-3.8%
21.0%	36,176	34,399	-1,777	-4.9%
22.2%	30,992	27,920	-3,072	-9.9%
23.5%	24,480	22,181	-2,299	-9.4%
24.7%	19,332	19,248	-84	-0.4%
25.9%	19,204	19,214	11	0.1%
27.2%	17,139	16,609	-531	-3.1%
28.4%	16,653	13,752	-2,901	-17.4%
29.6%	16,017	13,518	-2,499	-15.6%
30.9%	14,571	12,859	-1,712	-11.8%
32.1%	14,224	12,607	-1,618	-11.4%
33.3%	14,157	12,036	-2,121	-15.0%
34.6%	11,382	9,745	-1,636	-14.4%
35.8%	10,960	9,007	-1,953	-17.8%
37.0%	9,193	8,867	-326	-3.5%
38.3%	8,768	8,338	-430	-4.9%
39.5%	8,389	7,794	-596	-7.1%
40.7%	8,351	6,656	-1,696	-20.3%
42.0%	6,736	6,284	-452	-6.7%
43.2%	6,367	5,177	-1,190	-18.7%
44.4%	5,271	4,866	-405	-7.7%
45.7%	4,336	3,447	-889	-20.5%
46.9%	4,272	2,828	-1,444	-33.8%
48.1%	3,684	2,640	-1,044	-28.3%
49.4%	3,373	2,585	-788	-23.4%
50.6%	2,946	2,418	-528	-17.9%
51.9%	2,887	1,890	-997	-34.5%
53.1%	2,410	1,553	-857	-35.6%
54.3%	2,175	1,365	-811	-37.3%
55.6%	2,122	879	-1,243	-58.6%
56.8%	1,882	744	-1,139	-60.5%
58.0%	1,365	671	-694	-50.8%
59.3%	1,316	629	-686	-52.2%
60.5%	879	596	-283	
61.7%	629	468	-161	
63.0%	524	425	-99	
64.2%	468	389	-79	
65.4%	389	389	0	
66.7%	389	355	-34	
67.9%	355	303	-52	
69.1%	303	229	-74	
70.4%	229	227	-2	
71.6%	227	219	-8	
72.8%	223	193	-31	
74.1%	219	137	-82	
75.3%	137	125	-12	
76.5%	125	123	-2	
77.8%	112	112	0	
79.0%	110	85	-25	
80.2%	85	55	-30	
81.5%	55	52	-3	
82.7%	52	41	-11	
84.0%	41	26	-15	
85.2%	26	26	0	
86.4%	26	26	0	
87.7%	26	22	-4	
88.9%	22	22	0	
90.1%	19	19	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	172,138	172,298	159	0.1%
1.2%	152,170	147,335	-4,835	-3.2%
2.5%	97,556	91,658	-5,898	-6.0%
3.7%	65,984	59,612	-6,371	-9.7%
4.9%	57,343	53,293	-4,051	-7.1%
6.2%	53,282	51,766	-1,516	-2.8%
7.4%	43,667	38,199	-5,468	-12.5%
8.6%	29,413	29,387	-26	-0.1%
9.9%	26,086	25,082	-1,004	-3.8%
11.1%	25,067	24,576	-491	-2.0%
12.3%	24,564	21,981	-2,583	-10.5%
13.6%	20,774	19,450	-1,324	-6.4%
14.8%	15,914	15,540	-375	-2.4%
16.0%	15,017	14,247	-771	-5.1%
17.3%	13,461	13,459	-3	0.0%
18.5%	11,464	11,439	-25	-0.2%
19.8%	11,426	10,758	-668	-5.8%
21.0%	11,377	10,203	-1,174	-10.3%
22.2%	10,765	8,955	-1,809	-16.8%
23.5%	10,367	8,954	-1,413	-13.6%
24.7%	10,047	8,525	-1,522	-15.1%
25.9%	8,683	8,039	-644	-7.4%
27.2%	8,516	7,996	-520	-6.1%
28.4%	8,325	6,568	-1,757	-21.1%
29.6%	8,034	5,377	-2,657	-33.1%
30.9%	5,297	5,168	-128	-2.4%
32.1%	4,306	3,623	-683	-15.9%
33.3%	3,623	3,417	-207	-5.7%
34.6%	2,984	2,838	-146	-4.9%
35.8%	2,937	2,827	-110	-3.7%
37.0%	2,835	2,485	-349	-12.3%
38.3%	2,485	1,724	-761	-30.6%
39.5%	2,394	1,488	-906	-37.9%
40.7%	2,283	1,307	-977	-42.8%
42.0%	2,241	1,169	-1,071	-47.8%
43.2%	2,138	1,153	-985	-46.1%
44.4%	1,749	1,028	-721	-41.2%
45.7%	1,169	953	-216	-18.5%
46.9%	1,079	780	-299	-27.7%
48.1%	982	778	-204	-20.7%
49.4%	865	696	-169	-19.5%
50.6%	780	585	-195	-25.0%
51.9%	778	549	-229	-29.5%
53.1%	766	478	-288	-37.6%
54.3%	696	315	-381	-54.8%
55.6%	537	313	-224	
56.8%	464	306	-158	
58.0%	313	268	-44	
59.3%	257	257	0	
60.5%	244	244	0	
61.7%	220	242	22	
63.0%	218	220	2	
64.2%	169	218	48	
65.4%	148	169	22	
66.7%	131	148	17	
67.9%	130	130	0	
69.1%	119	119	0	
70.4%	113	113	0	
71.6%	80	80	0	
72.8%	77	77	0	
74.1%	72	72	0	
75.3%	65	65	0	
76.5%	62	62	0	
77.8%	50	50	0	
79.0%	49	49	0	
80.2%	47	47	0	
81.5%	45	45	0	
82.7%	36	36	0	
84.0%	30	28	-2	
85.2%	28	19	-9	
86.4%	19	13	-6	
87.7%	13	7	-6	
88.9%	7	7	0	
90.1%	7	7	0	
91.4%	7	4	-3	
92.6%	4	2	-1	
93.8%	2	0	-2	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	43,233	43,197	-36	-0.1%
1.2%	30,198	28,817	-1,380	-4.6%
2.5%	29,685	27,060	-2,625	-8.8%
3.7%	16,679	16,657	-22	-0.1%
4.9%	9,610	9,611	1	0.0%
6.2%	9,571	9,035	-537	-5.6%
7.4%	7,196	7,196	0	0.0%
8.6%	6,851	6,848	-3	0.0%
9.9%	6,542	6,483	-59	-0.9%
11.1%	4,846	4,846	0	0.0%
12.3%	4,558	4,558	0	0.0%
13.6%	3,892	3,875	-17	-0.4%
14.8%	3,642	3,639	-2	-0.1%
16.0%	3,336	3,336	0	0.0%
17.3%	3,271	2,393	-877	-26.8%
18.5%	2,814	1,712	-1,102	-39.2%
19.8%	2,670	1,402	-1,268	-47.5%
21.0%	2,662	1,315	-1,347	-50.6%
22.2%	2,393	1,179	-1,215	-50.7%
23.5%	1,712	899	-813	-47.5%
24.7%	1,315	668	-647	-49.2%
25.9%	1,179	590	-589	-49.9%
27.2%	558	558	0	0.0%
28.4%	445	445	0	0.0%
29.6%	418	418	0	0.0%
30.9%	388	388	0	0.0%
32.1%	385	385	0	0.0%
33.3%	283	283	0	0.0%
34.6%	272	272	0	0.0%
35.8%	250	250	0	0.0%
37.0%	218	218	0	0.0%
38.3%	198	198	0	0.0%
39.5%	187	187	0	0.0%
40.7%	176	176	0	0.0%
42.0%	167	167	0	0.0%
43.2%	159	159	0	0.0%
44.4%	150	150	0	0.0%
45.7%	142	142	0	0.0%
46.9%	139	139	0	0.0%
48.1%	139	139	0	0.0%
49.4%	131	131	0	0.0%
50.6%	123	123	0	
51.9%	120	120	0	
53.1%	119	119	0	
54.3%	119	119	0	
55.6%	116	116	0	
56.8%	115	115	0	
58.0%	114	114	0	
59.3%	112	112	0	
60.5%	111	111	0	
61.7%	111	111	0	
63.0%	109	109	0	
64.2%	103	103	0	
65.4%	99	99	0	
66.7%	95	95	0	
67.9%	95	95	0	
69.1%	90	90	0	
70.4%	87	87	0	
71.6%	86	86	0	
72.8%	85	85	0	
74.1%	85	85	0	
75.3%	82	82	0	
76.5%	81	81	0	
77.8%	78	78	0	
79.0%	76	76	0	
80.2%	72	72	0	
81.5%	71	71	0	
82.7%	65	65	0	
84.0%	64	64	0	
85.2%	62	62	0	
86.4%	58	58	0	
87.7%	56	56	0	
88.9%	55	55	0	
90.1%	55	55	0	
91.4%	55	55	0	
92.6%	54	54	0	
93.8%	50	50	0	
95.1%	49	49	0	
96.3%	45	45	0	
97.5%	43	43	0	
98.8%	42	42	0	
100.0%	41	41	0	

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,544	1,545	1	0.0%
1.2%	899	899	0	0.0%
2.5%	817	781	-36	-4.4%
3.7%	355	355	0	0.0%
4.9%	278	278	0	0.0%
6.2%	248	248	0	0.0%
7.4%	82	82	0	0.0%
8.6%	80	80	0	0.0%
9.9%	80	80	0	0.0%
11.1%	79	79	0	0.0%
12.3%	78	78	0	0.0%
13.6%	78	78	0	0.0%
14.8%	78	78	0	0.0%
16.0%	77	77	0	0.0%
17.3%	77	77	0	0.0%
18.5%	77	77	0	0.0%
19.8%	76	76	0	0.0%
21.0%	75	75	0	0.0%
22.2%	74	74	0	0.0%
23.5%	73	73	0	0.0%
24.7%	73	73	0	0.0%
25.9%	73	73	0	0.0%
27.2%	72	72	0	0.0%
28.4%	72	72	0	0.0%
29.6%	71	71	0	0.0%
30.9%	71	71	0	0.0%
32.1%	71	71	0	0.0%
33.3%	70	70	0	0.0%
34.6%	70	70	0	0.0%
35.8%	70	70	0	0.0%
37.0%	70	70	0	0.0%
38.3%	69	69	0	0.0%
39.5%	69	69	0	0.0%
40.7%	69	69	0	0.0%
42.0%	68	68	0	0.0%
43.2%	68	68	0	0.0%
44.4%	68	68	0	0.0%
45.7%	68	68	0	0.0%
46.9%	67	67	0	0.0%
48.1%	67	67	0	0.0%
49.4%	66	66	0	0.0%
50.6%	66	66	0	0.0%
51.9%	65	65	0	0.0%
53.1%	65	65	0	0.0%
54.3%	64	64	0	0.0%
55.6%	64	64	0	0.0%
56.8%	64	64	0	0.0%
58.0%	64	64	0	0.0%
59.3%	64	64	0	0.0%
60.5%	63	63	0	0.0%
61.7%	63	63	0	0.0%
63.0%	63	63	0	0.0%
64.2%	63	63	0	0.0%
65.4%	63	63	0	0.0%
66.7%	62	62	0	0.0%
67.9%	62	62	0	0.0%
69.1%	62	62	0	0.0%
70.4%	61	61	0	0.0%
71.6%	61	61	0	0.0%
72.8%	60	60	0	0.0%
74.1%	59	59	0	0.0%
75.3%	58	58	0	0.0%
76.5%	58	58	0	0.0%
77.8%	58	58	0	0.0%
79.0%	57	57	0	0.0%
80.2%	56	56	0	0.0%
81.5%	55	55	0	0.0%
82.7%	55	55	0	0.0%
84.0%	54	54	0	0.0%
85.2%	53	53	0	0.0%
86.4%	53	53	0	0.0%
87.7%	53	53	0	0.0%
88.9%	53	53	0	0.0%
90.1%	52	52	0	0.0%
91.4%	52	52	0	0.0%
92.6%	50	50	0	0.0%
93.8%	47	47	0	0.0%
95.1%	46	46	0	0.0%
96.3%	45	45	0	0.0%
97.5%	40	40	0	0.0%
98.8%	26	26	0	0.0%
100.0%	25	25	0	0.0%

Table SW-31-b

Yolo Bypass, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	788	788	0	0.0%
1.2%	449	449	0	0.0%
2.5%	366	366	0	0.0%
3.7%	68	68	0	0.0%
4.9%	68	68	0	0.0%
6.2%	68	68	0	0.0%
7.4%	68	68	0	0.0%
8.6%	68	68	0	0.0%
9.9%	68	68	0	0.0%
11.1%	68	68	0	0.0%
12.3%	68	68	0	0.0%
13.6%	68	68	0	0.0%
14.8%	68	68	0	0.0%
16.0%	68	68	0	0.0%
17.3%	68	68	0	0.0%
18.5%	68	68	0	0.0%
19.8%	68	68	0	0.0%
21.0%	68	68	0	0.0%
22.2%	68	68	0	0.0%
23.5%	68	68	0	0.0%
24.7%	68	68	0	0.0%
25.9%	68	68	0	0.0%
27.2%	68	68	0	0.0%
28.4%	68	68	0	0.0%
29.6%	68	68	0	0.0%
30.9%	68	68	0	0.0%
32.1%	68	68	0	0.0%
33.3%	68	68	0	0.0%
34.6%	68	68	0	0.0%
35.8%	68	68	0	0.0%
37.0%	68	68	0	0.0%
38.3%	68	68	0	0.0%
39.5%	68	68	0	0.0%
40.7%	68	68	0	0.0%
42.0%	68	68	0	0.0%
43.2%	68	68	0	0.0%
44.4%	68	68	0	0.0%
45.7%	67	67	0	0.0%
46.9%	67	67	0	0.0%
48.1%	67	67	0	0.0%
49.4%	67	67	0	0.0%
50.6%	67	67	0	0.0%
51.9%	67	67	0	0.0%
53.1%	67	67	0	0.0%
54.3%	67	67	0	0.0%
55.6%	67	67	0	0.0%
56.8%	67	67	0	0.0%
58.0%	67	67	0	0.0%
59.3%	67	67	0	0.0%
60.5%	67	67	0	0.0%
61.7%	66	66	0	0.0%
63.0%	66	66	0	0.0%
64.2%	66	66	0	0.0%
65.4%	66	66	0	0.0%
66.7%	66	66	0	0.0%
67.9%	66	66	0	0.0%
69.1%	66	66	0	0.0%
70.4%	66	66	0	0.0%
71.6%	65	65	0	0.0%
72.8%	65	65	0	0.0%
74.1%	65	65	0	0.0%
75.3%	65	65	0	0.0%
76.5%	65	65	0	0.0%
77.8%	65	65	0	0.0%
79.0%	65	65	0	0.0%
80.2%	64	64	0	0.0%
81.5%	63	63	0	0.0%
82.7%	63	63	0	0.0%
84.0%	63	63	0	0.0%
85.2%	63	63	0	0.0%
86.4%	63	63	0	0.0%
87.7%	63	63	0	0.0%
88.9%	63	63	0	0.0%
90.1%	62	62	0	0.0%
91.4%	62	62	0	0.0%
92.6%	61	61	0	0.0%
93.8%	59	59	0	0.0%
95.1%	57	57	0	0.0%
96.3%	57	57	0	0.0%
97.5%	56	56	0	0.0%
98.8%	56	56	0	0.0%
100.0%	53	53	0	0.0%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48	604	556	
1.2%	48	429	381	791.1%
2.5%	48	405	357	741.1%
3.7%	48	327	279	579.0%
4.9%	48	219	171	355.1%
6.2%	48	48	0	0.0%
7.4%	48	48	0	0.0%
8.6%	48	48	0	0.0%
9.9%	48	48	0	0.0%
11.1%	48	48	0	0.0%
12.3%	48	48	0	0.0%
13.6%	48	48	0	0.0%
14.8%	48	48	0	0.0%
16.0%	48	48	0	0.0%
17.3%	48	48	0	0.0%
18.5%	48	48	0	0.0%
19.8%	48	48	0	0.0%
21.0%	48	48	0	0.0%
22.2%	48	48	0	0.0%
23.5%	48	48	0	0.0%
24.7%	48	48	0	0.0%
25.9%	48	48	0	0.0%
27.2%	48	48	0	0.0%
28.4%	48	48	0	0.0%
29.6%	48	48	0	0.0%
30.9%	48	48	0	0.0%
32.1%	48	48	0	0.0%
33.3%	48	48	0	0.0%
34.6%	48	48	0	0.0%
35.8%	48	48	0	0.0%
37.0%	48	48	0	0.0%
38.3%	48	48	0	0.0%
39.5%	48	48	0	0.0%
40.7%	48	48	0	0.0%
42.0%	48	48	0	0.0%
43.2%	48	48	0	0.0%
44.4%	48	48	0	0.0%
45.7%	48	48	0	0.0%
46.9%	48	48	0	0.0%
48.1%	48	48	0	0.0%
49.4%	48	48	0	0.0%
50.6%	48	48	0	0.0%
51.9%	48	48	0	0.0%
53.1%	48	48	0	0.0%
54.3%	48	48	0	0.0%
55.6%	48	48	0	0.0%
56.8%	48	48	0	0.0%
58.0%	48	48	0	0.0%
59.3%	48	48	0	0.0%
60.5%	48	48	0	0.0%
61.7%	48	48	0	0.0%
63.0%	48	48	0	0.0%
64.2%	48	48	0	0.0%
65.4%	48	48	0	0.0%
66.7%	48	48	0	0.0%
67.9%	48	48	0	0.0%
69.1%	48	48	0	0.0%
70.4%	48	48	0	0.0%
71.6%	48	48	0	0.0%
72.8%	48	48	0	0.0%
74.1%	48	48	0	0.0%
75.3%	48	48	0	0.0%
76.5%	48	48	0	0.0%
77.8%	48	48	0	0.0%
79.0%	48	48	0	0.0%
80.2%	48	48	0	0.0%
81.5%	48	48	0	0.0%
82.7%	48	48	0	0.0%
84.0%	48	48	0	0.0%
85.2%	48	48	0	0.0%
86.4%	48	48	0	0.0%
87.7%	48	48	0	0.0%
88.9%	48	48	0	0.0%
90.1%	48	48	0	0.0%
91.4%	48	48	0	0.0%
92.6%	48	48	0	0.0%
93.8%	48	48	0	0.0%
95.1%	48	48	0	0.0%
96.3%	48	48	0	0.0%
97.5%	47	47	0	0.0%
98.8%	47	47	0	0.0%
100.0%	41	41	0	0.0%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	839	839	0	0.0%
1.2%	628	628	0	0.0%
2.5%	610	610	0	0.0%
3.7%	549	576	27	4.8%
4.9%	502	549	47	9.3%
6.2%	486	516	30	6.2%
7.4%	466	502	36	7.8%
8.6%	431	486	55	12.7%
9.9%	302	466	164	54.2%
11.1%	186	450	265	142.6%
12.3%	164	445	281	170.9%
13.6%	126	445	320	254.6%
14.8%	60	445	385	644.2%
16.0%	55	445	390	711.1%
17.3%	55	445	390	711.1%
18.5%	55	445	390	711.1%
19.8%	55	445	390	711.1%
21.0%	55	445	390	711.1%
22.2%	55	445	390	711.1%
23.5%	55	445	390	711.1%
24.7%	55	445	390	711.1%
25.9%	55	445	390	711.1%
27.2%	55	445	390	711.1%
28.4%	55	445	390	711.1%
29.6%	55	445	390	711.1%
30.9%	55	445	390	711.1%
32.1%	55	445	390	711.1%
33.3%	55	445	390	711.1%
34.6%	55	445	390	711.1%
35.8%	55	445	390	711.1%
37.0%	55	445	390	711.1%
38.3%	55	445	390	711.1%
39.5%	55	445	390	711.1%
40.7%	55	445	390	711.1%
42.0%	55	445	390	710.9%
43.2%	55	445	390	710.9%
44.4%	55	445	390	710.6%
45.7%	55	445	390	710.4%
46.9%	55	445	390	709.9%
48.1%	55	444	389	709.4%
49.4%	55	444	389	709.4%
50.6%	55	439	385	700.7%
51.9%	55	431	376	685.5%
53.1%	55	408	353	644.0%
54.3%	55	302	247	450.7%
55.6%	55	164	109	199.4%
56.8%	55	55	0	0.0%
58.0%	55	55	0	0.0%
59.3%	55	55	0	0.0%
60.5%	55	55	0	0.0%
61.7%	55	55	0	0.0%
63.0%	55	55	0	0.0%
64.2%	55	55	0	0.0%
65.4%	55	55	0	0.0%
66.7%	55	55	0	0.0%
67.9%	55	55	0	0.0%
69.1%	55	55	0	0.0%
70.4%	55	55	0	0.0%
71.6%	55	55	0	0.0%
72.8%	55	55	0	0.0%
74.1%	55	55	0	0.0%
75.3%	55	55	0	0.3%
76.5%	55	55	0	0.3%
77.8%	55	55	0	0.3%
79.0%	55	55	0	0.3%
80.2%	55	55	0	0.3%
81.5%	55	55	0	0.3%
82.7%	55	55	0	0.5%
84.0%	55	55	0	0.5%
85.2%	54	55	0	0.5%
86.4%	54	55	0	0.6%
87.7%	54	55	0	0.6%
88.9%	54	55	1	1.0%
90.1%	54	55	1	1.2%
91.4%	54	54	0	0.8%
92.6%	54	54	1	1.3%
93.8%	54	54	0	0.0%
95.1%	53	54	0	0.6%
96.3%	52	53	1	1.8%
97.5%	50	52	2	4.6%
98.8%	49	50	1	2.0%
100.0%	42	42	0	0.0%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	806	955	149	18.5%
1.2%	486	921	435	89.6%
2.5%	441	918	477	108.2%
3.7%	366	806	440	120.3%
4.9%	279	666	387	138.6%
6.2%	274	663	390	142.5%
7.4%	268	655	387	144.3%
8.6%	251	654	403	160.1%
9.9%	251	607	357	142.2%
11.1%	204	605	401	196.7%
12.3%	192	565	373	194.3%
13.6%	162	558	396	245.2%
14.8%	154	557	402	260.8%
16.0%	153	544	391	254.6%
17.3%	141	532	391	277.6%
18.5%	128	525	397	309.2%
19.8%	114	517	403	354.4%
21.0%	96	513	418	436.7%
22.2%	89	499	410	459.1%
23.5%	72	493	421	587.9%
24.7%	67	475	408	612.0%
25.9%	60	463	403	674.9%
27.2%	59	463	403	680.0%
28.4%	59	463	403	680.4%
29.6%	59	463	403	680.4%
30.9%	59	455	396	667.7%
32.1%	59	445	386	650.7%
33.3%	59	441	382	643.7%
34.6%	59	430	371	625.1%
35.8%	59	424	365	616.0%
37.0%	59	408	349	588.8%
38.3%	59	403	344	580.4%
39.5%	59	403	344	580.4%
40.7%	59	403	344	580.4%
42.0%	59	403	344	580.4%
43.2%	59	403	344	580.4%
44.4%	59	403	344	580.4%
45.7%	59	403	344	580.4%
46.9%	59	403	344	580.4%
48.1%	59	403	344	580.4%
49.4%	59	403	344	580.4%
50.6%	59	403	344	580.4%
51.9%	59	403	344	580.4%
53.1%	59	403	344	580.4%
54.3%	59	403	344	580.4%
55.6%	59	403	344	580.4%
56.8%	59	403	344	580.4%
58.0%	59	403	344	580.4%
59.3%	59	403	344	580.4%
60.5%	59	387	327	552.3%
61.7%	59	326	267	450.9%
63.0%	59	317	258	436.5%
64.2%	59	246	187	316.1%
65.4%	59	206	147	249.1%
66.7%	59	184	125	211.6%
67.9%	59	146	87	147.5%
69.1%	59	59	1	1.2%
70.4%	59	59	1	1.2%
71.6%	58	59	1	1.6%
72.8%	58	59	1	1.6%
74.1%	58	59	1	1.6%
75.3%	58	59	1	2.1%
76.5%	57	59	2	3.4%
77.8%	57	59	2	3.8%
79.0%	57	59	3	4.8%
80.2%	57	59	3	4.8%
81.5%	56	59	3	6.1%
82.7%	55	59	4	6.9%
84.0%	55	59	4	7.5%
85.2%	55	59	4	7.8%
86.4%	55	59	4	8.0%
87.7%	55	59	4	8.0%
88.9%	54	58	5	8.7%
90.1%	53	58	6	11.1%
91.4%	52	57	6	10.6%
92.6%	51	57	6	11.4%
93.8%	49	57	8	15.9%
95.1%	46	55	9	20.6%
96.3%	45	55	10	22.0%
97.5%	24	54	30	127.4%
98.8%	23	46	23	97.4%
100.0%	20	24	3	16.6%

Figure SW-32-b
Sacramento River at Rio Vista, Monthly Flow
Probability of Exceedance

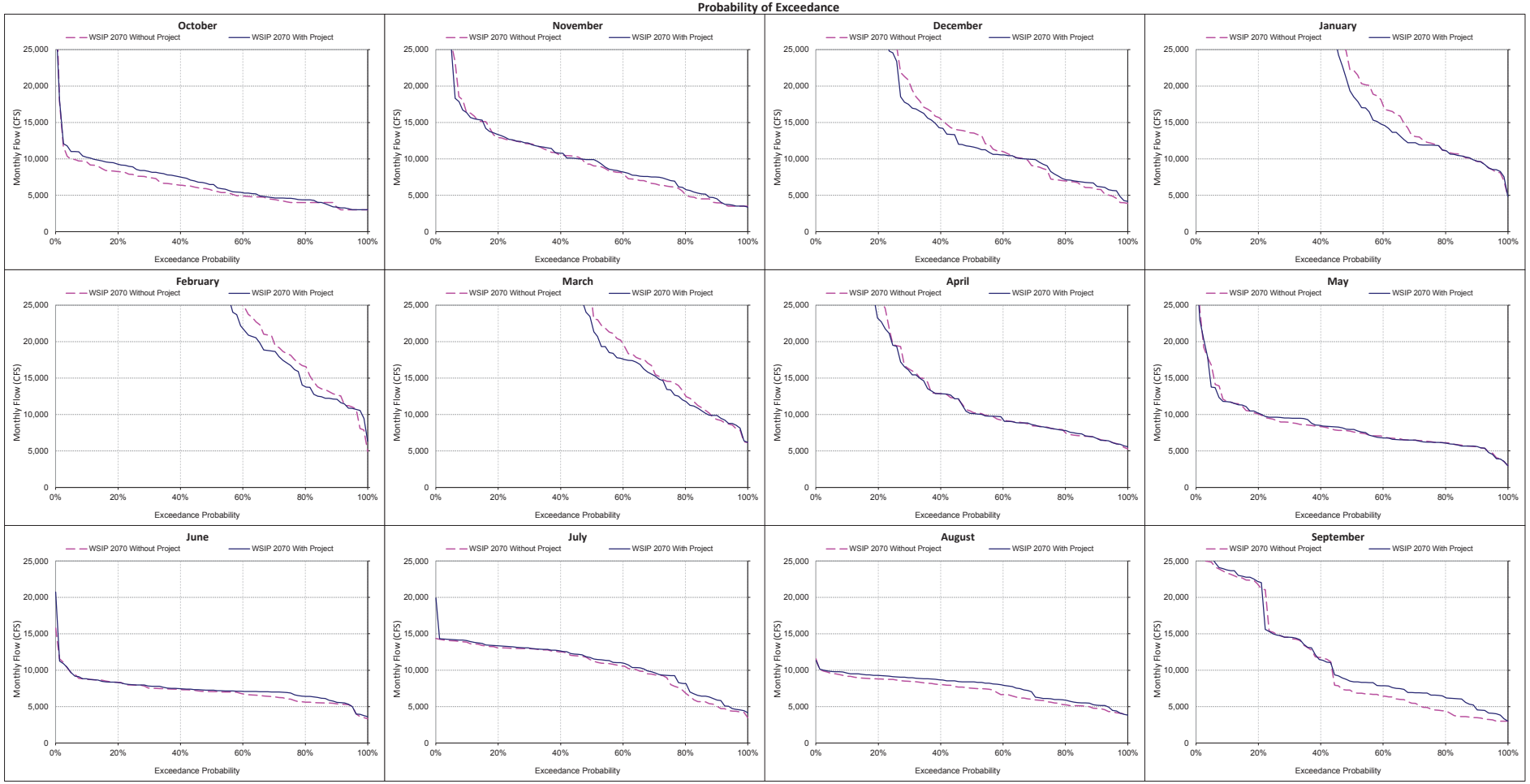


Table SW-32-b

Sacramento River at Rio Vista, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,273	29,951	-5,321	-15.1%
1.2%	17,851	18,011	159	0.9%
2.5%	11,717	12,086	369	3.2%
3.7%	10,365	11,785	1,420	13.7%
4.9%	9,941	11,017	1,075	10.8%
6.2%	9,912	11,009	1,097	11.1%
7.4%	9,705	10,970	1,265	13.0%
8.6%	9,691	10,397	707	7.3%
9.9%	9,606	10,233	626	6.5%
11.1%	9,147	10,128	981	10.7%
12.3%	9,125	9,945	820	9.0%
13.6%	8,977	9,831	854	9.5%
14.8%	8,666	9,731	1,065	12.3%
16.0%	8,400	9,562	1,162	13.8%
17.3%	8,352	9,503	1,151	13.8%
18.5%	8,326	9,460	1,133	13.6%
19.8%	8,256	9,285	1,029	12.5%
21.0%	8,215	9,166	951	11.6%
22.2%	8,139	9,098	959	11.8%
23.5%	7,896	8,966	1,070	13.5%
24.7%	7,859	8,897	1,038	13.2%
25.9%	7,614	8,540	926	12.2%
27.2%	7,604	8,406	802	10.5%
28.4%	7,579	8,404	825	10.9%
29.6%	7,439	8,277	838	11.3%
30.9%	7,380	8,165	785	10.6%
32.1%	7,295	8,154	859	11.8%
33.3%	6,841	8,042	1,202	17.6%
34.6%	6,652	7,967	1,315	19.8%
35.8%	6,625	7,812	1,187	17.9%
37.0%	6,553	7,750	1,196	18.3%
38.3%	6,490	7,636	1,146	17.7%
39.5%	6,395	7,550	1,155	18.1%
40.7%	6,359	7,435	1,076	16.9%
42.0%	6,281	7,341	1,060	16.9%
43.2%	6,260	7,099	840	13.4%
44.4%	6,128	6,957	829	13.5%
45.7%	6,021	6,814	793	13.2%
46.9%	5,932	6,764	833	14.0%
48.1%	5,910	6,655	744	12.6%
49.4%	5,798	6,490	692	11.9%
50.6%	5,597	6,462	865	15.5%
51.9%	5,512	6,010	498	9.0%
53.1%	5,375	5,908	533	9.9%
54.3%	5,370	5,817	447	8.3%
55.6%	5,307	5,641	333	6.3%
56.8%	5,116	5,492	377	7.4%
58.0%	4,940	5,438	498	10.1%
59.3%	4,924	5,416	491	10.0%
60.5%	4,884	5,310	426	8.7%
61.7%	4,833	5,282	448	9.3%
63.0%	4,787	5,227	440	9.2%
64.2%	4,772	5,200	428	9.0%
65.4%	4,756	4,919	163	3.4%
66.7%	4,750	4,844	94	2.0%
67.9%	4,516	4,773	257	5.7%
69.1%	4,467	4,689	222	5.0%
70.4%	4,396	4,628	232	5.3%
71.6%	4,285	4,623	339	7.9%
72.8%	4,225	4,605	380	9.0%
74.1%	4,091	4,593	502	12.3%
75.3%	4,000	4,591	591	14.8%
76.5%	4,000	4,500	500	12.5%
77.8%	4,000	4,409	409	10.2%
79.0%	4,000	4,378	378	9.4%
80.2%	4,000	4,369	369	9.2%
81.5%	4,000	4,361	361	9.0%
82.7%	4,000	4,292	292	7.3%
84.0%	4,000	4,000	0	0.0%
85.2%	4,000	4,000	0	0.0%
86.4%	4,000	3,833	-167	-4.2%
87.7%	4,000	3,610	-390	-9.7%
88.9%	4,000	3,391	-609	-15.2%
90.1%	3,331	3,364	33	1.0%
91.4%	3,000	3,272	272	9.1%
92.6%	3,000	3,249	249	8.3%
93.8%	3,000	3,173	173	5.8%
95.1%	3,000	3,000	0	0.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,258	35,286	-5,972	-14.5%
1.2%	34,707	33,008	-1,699	-4.9%
2.5%	33,057	32,497	-559	-1.7%
3.7%	32,211	32,312	101	0.3%
4.9%	25,880	25,321	-559	-2.2%
6.2%	23,372	18,330	-5,041	-21.6%
7.4%	18,552	17,866	-686	-3.7%
8.6%	18,089	16,712	-1,376	-7.6%
9.9%	16,307	16,356	49	0.3%
11.1%	16,287	15,688	-599	-3.7%
12.3%	15,857	15,506	-351	-2.2%
13.6%	15,197	15,402	205	1.4%
14.8%	15,143	15,310	168	1.1%
16.0%	15,111	14,165	-946	-6.3%
17.3%	14,221	13,736	-486	-3.4%
18.5%	13,302	13,571	269	2.0%
19.8%	12,928	13,362	435	3.4%
21.0%	12,882	13,195	313	2.4%
22.2%	12,706	12,976	269	2.1%
23.5%	12,568	12,666	98	0.8%
24.7%	12,560	12,627	66	0.5%
25.9%	12,420	12,445	25	0.2%
27.2%	12,292	12,411	119	1.0%
28.4%	12,118	12,208	90	0.7%
29.6%	12,066	12,189	123	1.0%
30.9%	12,038	11,934	-104	-0.9%
32.1%	11,786	11,773	-13	-0.1%
33.3%	11,642	11,671	28	0.2%
34.6%	11,373	11,603	231	2.0%
35.8%	11,162	11,501	339	3.0%
37.0%	10,904	11,449	545	5.0%
38.3%	10,867	10,868	1	0.0%
39.5%	10,549	10,780	231	2.2%
40.7%	10,494	10,767	273	2.6%
42.0%	10,440	10,120	-321	-3.1%
43.2%	10,419	10,099	-320	-3.1%
44.4%	10,353	10,063	-290	-2.8%
45.7%	10,241	10,008	-233	-2.3%
46.9%	9,933	9,981	48	0.5%
48.1%	9,284	9,908	624	6.7%
49.4%	9,271	9,892	621	6.7%
50.6%	9,038	9,889	851	9.4%
51.9%	9,009	9,659	649	7.2%
53.1%	8,915	9,278	363	4.1%
54.3%	8,665	8,865	201	2.3%
55.6%	8,338	8,581	244	2.9%
56.8%	8,254	8,463	209	2.5%
58.0%	8,148	8,390	241	3.0%
59.3%	8,137	8,261	124	1.5%
60.5%	7,755	8,152	397	5.1%
61.7%	7,268	8,014	745	10.3%
63.0%	7,231	7,769	538	7.4%
64.2%	7,156	7,715	559	7.8%
65.4%	7,023	7,624	602	8.6%
66.7%	7,014	7,597	583	8.3%
67.9%	6,826	7,571	745	10.9%
69.1%	6,638	7,521	883	13.3%
70.4%	6,571	7,493	922	14.0%
71.6%	6,407	7,483	1,076	16.8%
72.8%	6,369	7,383	1,014	15.9%
74.1%	6,257	7,206	948	15.2%
75.3%	6,174	6,999	825	13.4%
76.5%	6,134	6,925	791	12.9%
77.8%	5,952	6,169	218	3.7%
79.0%	5,577	6,093	516	9.3%
80.2%	4,968	5,775	807	16.3%
81.5%	4,792	5,660	868	18.1%
82.7%	4,737	5,423	686	14.5%
84.0%	4,500	5,289	789	17.5%
85.2%	4,500	5,190	690	15.3%
86.4%	4,500	5,161	661	14.7%
87.7%	4,500	4,729	229	5.1%
88.9%	4,034	4,689	655	16.2%
90.1%	3,956	4,500	544	13.7%
91.4%	3,948	4,067	120	3.0%
92.6%	3,664	3,750	86	2.3%
93.8%	3,500	3,732	232	6.6%
95.1%	3,500	3,665	165	4.7%
96.3%	3,500	3,500	0	0.0%
97.5%	3,500	3,500	0	0.0%
98.8%	3,500	3,500	0	0.0%
100.0%	3,500	3,380	-120	-3.4%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	152,931	155,610	2,679	1.8%
1.2%	97,209	93,743	-3,466	-3.6%
2.5%	97,208	93,126	-4,081	-4.2%
3.7%	82,645	80,821	-1,825	-2.2%
4.9%	82,256	78,865	-3,391	-4.1%
6.2%	75,295	74,262	-1,033	-1.4%
7.4%	70,717	69,974	-743	-1.1%
8.6%	68,653	66,066	-2,588	-3.8%
9.9%	67,282	64,059	-3,223	-4.8%
11.1%	56,533	54,960	-1,573	-2.8%
12.3%	54,941	50,946	-3,995	-7.3%
13.6%	51,117	49,339	-1,778	-3.5%
14.8%	37,870	34,824	-3,045	-8.0%
16.0%	35,257	33,584	-1,673	-4.7%
17.3%	35,247	32,298	-2,949	-8.4%
18.5%	34,268	31,222	-3,046	-8.9%
19.8%	33,641	30,656	-2,985	-8.9%
21.0%	33,454	29,076	-4,378	-13.1%
22.2%	28,656	27,152	-1,504	-5.2%
23.5%	27,145	24,828	-2,317	-8.5%
24.7%	26,651	24,578	-2,074	-7.8%
25.9%	25,394	23,378	-2,016	-7.9%
27.2%	21,872	18,537	-3,335	-15.2%
28.4%	21,312	17,782	-3,530	-16.6%
29.6%	20,840	17,481	-3,359	-16.1%
30.9%	19,472	16,974	-2,499	-12.8%
32.1%	18,514	16,860	-1,655	-8.9%
33.3%	17,931	16,541	-1,390	-7.7%
34.6%	17,106	16,255	-851	-5.0%
35.8%	16,841	15,591	-1,250	-7.4%
37.0%	16,498	15,311	-1,188	-7.2%
38.3%	15,859	14,872	-987	-6.2%
39.5%	15,663	14,298	-1,365	-8.7%
40.7%	15,208	14,174	-1,034	-6.8%
42.0%	14,726	13,405	-1,321	-9.0%
43.2%	14,290	13,356	-934	-6.5%
44.4%	14,059	13,321	-738	-5.2%
45.7%	13,967	12,019	-1,947	-13.9%
46.9%	13,898	11,959	-1,939	-14.0%
48.1%	13,774	11,803	-1,971	-14.3%
49.4%	13,588	11,714	-1,874	-13.8%
50.6%	13,544	11,601	-1,942	-14.3%
51.9%	13,332	11,458	-1,874	-14.1%
53.1%	13,250	11,265	-1,985	-15.0%
54.3%	12,064	11,264	-801	-6.6%
55.6%	12,023	10,896	-1,127	-9.4%
56.8%	11,332	10,622	-710	-6.3%
58.0%	11,105	10,603	-502	-4.5%
59.3%	11,088	10,542	-545	-4.9%
60.5%	10,918	10,532	-386	-3.5%
61.7%	10,664	10,441	-222	-2.1%
63.0%	10,452	10,430	-22	-0.2%
64.2%	10,170	10,151	-19	-0.2%
65.4%	10,118	10,048	-70	-0.7%
66.7%	10,023	10,014	-9	-0.1%
67.9%	9,819	9,987	168	1.7%
69.1%	9,082	9,925	842	9.3%
70.4%	8,981	9,883	902	10.0%
71.6%	8,874	9,557	683	7.7%
72.8%	8,645	9,257	612	7.1%
74.1%	8,495	9,055	561	6.6%
75.3%	7,226	8,253	1,027	14.2%
76.5%	7,138	7,907	769	10.8%
77.8%	7,094	7,620	527	7.4%
79.0%	7,005	7,303	297	4.2%
80.2%	6,960	7,103	143	2.0%
81.5%	6,862	7,087	225	3.3%
82.7%	6,849	6,982	132	1.9%
84.0%	6,730	6,903	174	2.6%
85.2%	6,330	6,823	493	7.8%
86.4%	6,060	6,775	715	11.8%
87.7%	6,043	6,741	698	11.5%
88.9%	6,001	6,680	679	11.3%
90.1%	5,818	6,225	406	7.0%
91.4%	5,791	6,154	362	6.3%
92.6%	5,171	6,095	924	17.9%
93.8%	5,033	5,775	742	14.7%
95.1%	4,886	5,637	751	15.4%
96.3%	4,587	5,633	1,047	22.8%
97.5%	3,998	4,842	844	21.1%
98.8%	3,977	4,271	294	7.4%
100.0%	3,880	4,152	272	7.0%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	247,010	247,201	191	0.1%
1.2%	226,849	225,885	-964	-0.4%
2.5%	200,575	195,863	-4,712	-2.3%
3.7%	176,828	174,391	-2,437	-1.4%
4.9%	151,744	148,357	-3,386	-2.2%
6.2%	149,591	147,482	-2,109	-1.4%
7.4%	139,861	133,642	-6,219	-4.4%
8.6%	133,607	133,139	-468	-0.4%
9.9%	117,309	113,013	-4,296	-3.7%
11.1%	111,574	110,672	-903	-0.8%
12.3%	108,367	110,219	1,852	1.7%
13.6%	97,212	92,815	-4,397	-4.5%
14.8%	90,464	91,153	689	0.8%
16.0%	84,247	81,400	-2,847	-3.4%
17.3%	79,744	74,427	-5,317	-6.7%
18.5%	77,398	73,010	-4,388	-5.7%
19.8%	73,878	72,871	-1,006	-1.4%
21.0%	73,319	70,831	-2,488	-3.4%
22.2%	71,542	69,401	-2,141	-3.0%
23.5%	61,248	60,184	-1,063	-1.7%
24.7%	60,498	58,734	-1,764	-2.9%
25.9%	60,440	57,622	-2,818	-4.7%
27.2%	58,735	55,711	-3,023	-5.1%
28.4%	54,961	53,304	-1,657	-3.0%
29.6%	52,590	50,685	-1,905	-3.6%
30.9%	50,106	49,978	-128	-0.3%
32.1%	43,764	42,389	-1,374	-3.1%
33.3%	40,277	40,502	225	0.6%
34.6%	40,009	39,959	-50	-0.1%
35.8%	35,658	33,738	-1,920	-5.4%
37.0%	34,030	31,321	-2,709	-8.0%
38.3%	34,019	31,299	-2,720	-8.0%
39.5%	33,818	31,182	-2,636	-7.8%
40.7%	33,135	29,231	-3,904	-11.8%
42.0%	31,828	28,180	-3,649	-11.5%
43.2%	30,342	27,301	-3,041	-10.0%
44.4%	29,766	26,721	-3,045	-10.2%
45.7%	27,895	24,280	-3,616	-13.0%
46.9%	26,156	22,730	-3,426	-13.1%
48.1%	24,793	21,121	-3,673	-14.8%
49.4%	22,212	19,354	-2,859	-12.9%
50.6%	22,143	18,514	-3,629	-16.4%
51.9%	21,498	17,905	-3,593	-16.7%
53.1%	20,336	17,035	-3,301	-16.2%
54.3%	20,175	17,003	-3,172	-15.7%
55.6%	20,094	16,448	-3,647	-18.1%
56.8%	18,886	15,315	-3,571	-18.9%
58.0%	18,664	15,137	-3,527	-18.9%
59.3%	18,140	14,779	-3,361	-18.5%
60.5%	16,790	14,569	-2,222	-13.2%
61.7%	16,649	14,171	-2,478	-14.9%
63.0%	16,507	13,658	-2,849	-17.3%
64.2%	16,073	13,629	-2,444	-15.2%
65.4%	15,883	13,162	-2,721	-17.1%
66.7%	14,903	12,638	-2,265	-15.2%
67.9%	14,232	12,236	-1,996	-14.0%
69.1%	13,226	12,214	-1,012	-7.7%
70.4%	13,061	12,210	-851	-6.5%
71.6%	13,000	11,919	-1,081	-8.3%
72.8%	12,547	11,907	-640	-5.1%
74.1%	12,265	11,905	-360	-2.9%
75.3%	12,166	11,903	-263	-2.2%
76.5%	11,995	11,859	-136	-1.1%
77.8%	11,835	11,827	-8	-0.1%
79.0%	11,183	11,228	44	0.4%
80.2%	11,107	11,106	-1	0.0%
81.5%	10,833	10,636	-197	-1.8%
82.7%	10,717	10,621	-96	-0.9%
84.0%	10,681	10,470	-211	-2.0%
85.2%	10,505	10,392	-112	-1.1%
86.4%	10,141	10,272	132	1.3%
87.7%	10,115	10,138	23	0.2%
88.9%	9,834	9,853	18	0.2%
90.1%	9,644	9,697	53	0.5%
91.4%	9,621	9,576	-45	-0.5%
92.6%	9,203	9,213	10	0.1%
93.8%	8,742	8,751	9	0.1%
95.1%	8,503	8,538	36	0.4%
96.3%	8,141	8,512	370	4.5%
97.5%	8,124	8,249	125	1.5%
98.8%	6,940	7,548	609	8.8%
100.0%	4,779	4,839	59	1.2%

Table SW-32-b

Sacramento River at Rio Vista, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	257,761	259,735	1,975	0.8%
1.2%	214,569	210,860	-3,709	-1.7%
2.5%	204,185	202,090	-2,096	-1.0%
3.7%	193,935	191,938	-1,997	-1.0%
4.9%	176,201	176,037	-164	-0.1%
6.2%	172,248	172,173	-75	0.0%
7.4%	166,130	161,274	-4,856	-2.9%
8.6%	156,689	156,258	-431	-0.3%
9.9%	132,574	133,145	571	0.4%
11.1%	128,519	127,337	-1,182	-0.9%
12.3%	126,882	125,999	-883	-0.7%
13.6%	119,674	117,908	-1,766	-1.5%
14.8%	114,983	115,118	136	0.1%
16.0%	110,963	106,822	-4,141	-3.7%
17.3%	108,962	105,736	-3,225	-3.0%
18.5%	108,625	104,088	-4,537	-4.2%
19.8%	107,398	103,220	-4,178	-3.9%
21.0%	102,301	100,228	-2,072	-2.0%
22.2%	88,906	84,726	-4,181	-4.7%
23.5%	83,281	80,137	-3,145	-3.8%
24.7%	74,455	74,461	6	0.0%
25.9%	73,451	72,725	-726	-1.0%
27.2%	69,666	66,418	-3,248	-4.7%
28.4%	69,052	66,193	-2,858	-4.1%
29.6%	66,766	64,656	-2,110	-3.2%
30.9%	65,506	64,114	-1,392	-2.1%
32.1%	64,520	61,418	-3,101	-4.8%
33.3%	62,486	58,921	-3,565	-5.7%
34.6%	59,324	57,936	-1,388	-2.3%
35.8%	58,771	55,561	-3,210	-5.5%
37.0%	53,988	54,211	223	0.4%
38.3%	53,119	53,890	771	1.5%
39.5%	50,556	48,710	-1,846	-3.7%
40.7%	50,507	46,689	-3,818	-7.6%
42.0%	49,052	46,658	-2,394	-4.9%
43.2%	48,542	45,440	-3,103	-6.4%
44.4%	46,837	42,533	-4,304	-9.2%
45.7%	41,422	39,884	-1,539	-3.7%
46.9%	39,541	39,426	-114	-0.3%
48.1%	39,344	37,779	-1,564	-4.0%
49.4%	38,257	35,884	-2,373	-6.2%
50.6%	37,768	35,759	-2,009	-5.3%
51.9%	35,692	32,369	-3,323	-9.3%
53.1%	31,067	30,010	-1,057	-3.4%
54.3%	30,456	28,029	-2,427	-8.0%
55.6%	30,447	25,979	-4,467	-14.7%
56.8%	27,673	24,022	-3,651	-13.2%
58.0%	27,230	23,705	-3,525	-12.9%
59.3%	25,264	22,193	-3,071	-12.2%
60.5%	24,764	21,527	-3,237	-13.1%
61.7%	23,758	20,889	-2,869	-12.1%
63.0%	23,364	20,705	-2,658	-11.4%
64.2%	22,733	20,532	-2,200	-9.7%
65.4%	22,326	19,823	-2,503	-11.2%
66.7%	21,027	18,849	-2,178	-10.4%
67.9%	20,927	18,785	-2,142	-10.2%
69.1%	20,883	18,712	-2,170	-10.4%
70.4%	19,437	18,665	-772	-4.0%
71.6%	19,196	17,947	-1,249	-6.5%
72.8%	18,658	17,426	-1,232	-6.6%
74.1%	18,367	17,067	-1,300	-7.1%
75.3%	18,144	16,741	-1,404	-7.7%
76.5%	17,552	16,174	-1,378	-7.9%
77.8%	17,084	15,903	-1,180	-6.9%
79.0%	16,721	14,069	-2,653	-15.9%
80.2%	16,562	13,781	-2,781	-16.8%
81.5%	15,296	13,719	-1,577	-10.3%
82.7%	14,485	12,771	-1,714	-11.8%
84.0%	13,811	12,527	-1,284	-9.3%
85.2%	13,532	12,452	-1,080	-8.0%
86.4%	13,412	12,241	-1,171	-8.7%
87.7%	13,135	12,234	-902	-6.9%
88.9%	12,845	12,144	-701	-5.5%
90.1%	12,682	12,104	-577	-4.6%
91.4%	12,550	11,638	-912	-7.3%
92.6%	11,239	11,436	197	1.8%
93.8%	11,220	10,896	-324	-2.9%
95.1%	11,036	10,842	-194	-1.8%
96.3%	10,764	10,687	-76	-0.7%
97.5%	8,079	10,548	2,469	30.6%
98.8%	7,878	9,455	1,577	20.0%
100.0%	4,932	6,351	1,419	28.8%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	239,593	239,748	155	0.1%
1.2%	219,231	214,334	-4,897	-2.2%
2.5%	166,777	160,868	-5,909	-3.5%
3.7%	132,758	125,856	-6,902	-5.2%
4.9%	120,633	118,265	-2,368	-2.0%
6.2%	118,253	114,593	-3,660	-3.1%
7.4%	109,544	103,705	-5,838	-5.3%
8.6%	82,992	80,154	-2,837	-3.4%
9.9%	80,140	79,058	-1,081	-1.3%
11.1%	79,041	78,815	-226	-0.3%
12.3%	78,846	77,354	-1,492	-1.9%
13.6%	75,112	73,613	-1,499	-2.0%
14.8%	73,917	73,451	-466	-0.6%
16.0%	69,102	69,117	16	0.0%
17.3%	67,002	66,996	-6	0.0%
18.5%	63,285	60,985	-2,300	-3.6%
19.8%	62,112	60,823	-1,290	-2.1%
21.0%	60,697	59,475	-1,221	-2.0%
22.2%	58,410	58,392	-19	0.0%
23.5%	57,926	57,932	6	0.0%
24.7%	56,982	53,907	-3,075	-5.4%
25.9%	56,269	50,793	-5,475	-9.7%
27.2%	53,111	50,094	-3,017	-5.7%
28.4%	51,143	48,171	-2,971	-5.8%
29.6%	49,361	44,222	-5,139	-10.4%
30.9%	48,092	43,999	-4,093	-8.5%
32.1%	41,578	41,901	324	0.8%
33.3%	41,247	40,825	-422	-1.0%
34.6%	40,564	37,178	-3,386	-8.3%
35.8%	40,094	36,357	-3,737	-9.3%
37.0%	39,537	35,797	-3,740	-9.5%
38.3%	38,823	35,185	-3,638	-9.4%
39.5%	35,635	35,048	-588	-1.6%
40.7%	35,191	34,156	-1,036	-2.9%
42.0%	31,311	30,818	-493	-1.6%
43.2%	30,129	27,783	-2,346	-7.8%
44.4%	29,301	25,871	-3,431	-11.7%
45.7%	29,036	25,751	-3,285	-11.3%
46.9%	28,778	25,624	-3,153	-11.0%
48.1%	28,162	24,039	-4,123	-14.6%
49.4%	27,822	23,465	-4,356	-15.7%
50.6%	23,139	21,349	-1,790	-7.7%
51.9%	23,029	20,710	-2,319	-10.1%
53.1%	22,244	19,338	-2,906	-13.1%
54.3%	21,848	19,329	-2,519	-11.5%
55.6%	21,328	18,517	-2,811	-13.2%
56.8%	21,139	18,400	-2,740	-13.0%
58.0%	20,453	17,806	-2,647	-12.9%
59.3%	20,202	17,711	-2,491	-12.3%
60.5%	19,340	17,540	-1,801	-9.3%
61.7%	18,338	17,430	-907	-4.9%
63.0%	18,322	17,415	-907	-4.9%
64.2%	17,852	17,175	-677	-3.8%
65.4%	17,631	16,858	-773	-4.4%
66.7%	17,617	16,268	-1,349	-7.7%
67.9%	17,065	15,825	-1,240	-7.3%
69.1%	16,726	15,536	-1,190	-7.1%
70.4%	15,473	15,260	-214	-1.4%
71.6%	15,232	14,822	-410	-2.7%
72.8%	14,773	14,661	-113	-0.8%
74.1%	14,568	13,449	-1,118	-7.7%
75.3%	14,526	13,373	-1,153	-7.9%
76.5%	14,317	12,651	-1,666	-11.6%
77.8%	13,991	12,520	-1,471	-10.5%
79.0%	13,314	12,032	-1,282	-9.6%
80.2%	12,454	11,772	-682	-5.5%
81.5%	12,224	11,280	-944	-7.7%
82.7%	11,768	11,163	-605	-5.1%
84.0%	11,252	10,887	-365	-3.2%
85.2%	10,938	10,515	-423	-3.9%
86.4%	10,571	10,159	-412	-3.9%
87.7%	10,176	9,907	-269	-2.6%
88.9%	9,575	9,880	305	3.2%
90.1%	9,314	9,880	565	6.1%
91.4%	9,196	9,479	283	3.1%
92.6%	8,870	9,230	360	4.1%
93.8%	8,706	8,761	56	0.6%
95.1%	8,557	8,761	204	2.4%
96.3%	8,025	8,535	510	6.4%
97.5%	7,848	8,148	300	3.8%
98.8%	6,240	6,395	155	2.5%
100.0%	6,156	6,180	24	0.4%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	109,932	109,889	-43	0.0%
1.2%	97,289	95,828	-1,461	-1.5%
2.5%	89,480	86,433	-3,046	-3.4%
3.7%	58,778	58,732	-47	-0.1%
4.9%	54,137	53,761	-376	-0.7%
6.2%	52,984	52,928	-56	-0.1%
7.4%	52,525	50,786	-1,739	-3.3%
8.6%	50,980	49,819	-1,161	-2.3%
9.9%	48,756	48,750	-6	0.0%
11.1%	42,362	42,382	19	0.0%
12.3%	38,444	35,846	-2,598	-6.8%
13.6%	29,779	28,723	-1,057	-3.5%
14.8%	29,723	27,868	-1,855	-6.2%
16.0%	29,454	27,029	-2,424	-8.2%
17.3%	28,740	26,661	-2,079	-7.2%
18.5%	26,257	26,259	2	0.0%
19.8%	25,595	23,236	-2,360	-9.2%
21.0%	25,528	22,723	-2,805	-11.0%
22.2%	24,563	21,742	-2,821	-11.5%
23.5%	21,904	21,151	-753	-3.4%
24.7%	19,590	19,500	-90	-0.5%
25.9%	19,441	19,350	-91	-0.5%
27.2%	19,345	17,228	-2,117	-10.9%
28.4%	16,712	16,536	-176	-1.1%
29.6%	16,313	16,130	-183	-1.1%
30.9%	15,993	15,458	-535	-3.3%
32.1%	15,712	15,430	-282	-1.8%
33.3%	15,034	14,981	-53	-0.4%
34.6%	14,968	14,611	-358	-2.4%
35.8%	14,443	13,547	-897	-6.2%
37.0%	12,970	13,230	260	2.0%
38.3%	12,935	12,892	-42	-0.3%
39.5%	12,875	12,888	13	0.1%
40.7%	12,842	12,824	-17	-0.1%
42.0%	12,731	12,799	68	0.5%
43.2%	12,324	12,662	339	2.7%
44.4%	12,269	12,178	-91	-0.7%
45.7%	12,061	12,170	109	0.9%
46.9%	11,414	11,317	-97	-0.8%
48.1%	10,687	10,436	-252	-2.4%
49.4%	10,509	10,162	-347	-3.3%
50.6%	10,229	10,120	-108	-1.1%
51.9%	10,216	10,062	-154	-1.5%
53.1%	10,126	10,037	-89	-0.9%
54.3%	9,879	9,822	-57	-0.6%
55.6%	9,841	9,773	-68	-0.7%
56.8%	9,717	9,766	49	0.5%
58.0%	9,388	9,749	361	3.8%
59.3%	9,245	9,711	465	5.0%
60.5%	9,186	9,056	-130	-1.4%
61.7%	9,101	9,052	-49	-0.5%
63.0%	9,021	9,021	0	0.0%
64.2%	8,961	8,875	-87	-1.0%
65.4%	8,928	8,846	-82	-0.9%
66.7%	8,835	8,835	0	0.0%
67.9%	8,710	8,829	118	1.4%
69.1%	8,458	8,647	190	2.2%
70.4%	8,415	8,520	105	1.2%
71.6%	8,405	8,358	-47	-0.6%
72.8%	8,293	8,306	13	0.2%
74.1%	8,275	8,195	-80	-1.0%
75.3%	8,119	8,088	-31	-0.4%
76.5%	7,984	8,009	25	0.3%
77.8%	7,980	7,903	-77	-1.0%
79.0%	7,927	7,831	-96	-1.2%
80.2%	7,401	7,762	361	4.9%
81.5%	7,259	7,573	314	4.3%
82.7%	7,175	7,474	300	4.2%
84.0%	7,099	7,376	276	3.9%
85.2%	7,081	7,347	266	3.8%
86.4%	7,011	7,065	53	0.8%
87.7%	7,007	6,976	-31	-0.4%
88.9%	6,936	6,934	-1	0.0%
90.1%	6,719	6,719	0	0.0%
91.4%	6,528	6,472	-56	-0.9%
92.6%	6,430	6,470	40	0.6%
93.8%	6,410	6,385	-25	-0.4%
95.1%	6,149	6,149	0	0.0%
96.3%	6,013	5,967	-46	-0.8%
97.5%	5,826	5,927	102	1.7%
98.8%	5,485	5,700	215	3.9%
100.0%	5,277	5,577	300	5.7%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	34,481	32,064	-2,417	-7.0%
1.2%	24,523	22,951	-1,572	-6.4%
2.5%	19,229	20,344	1,115	5.8%
3.7%	17,861	17,899	37	0.2%
4.9%	16,751	13,749	-3,002	-17.9%
6.2%	14,120	13,713	-408	-2.9%
7.4%	13,939	12,326	-1,613	-11.6%
8.6%	12,098	11,817	-281	-2.3%
9.9%	11,819	11,757	-62	-0.5%
11.1%	11,705	11,705	-1	0.0%
12.3%	11,523	11,523	0	0.0%
13.6%	11,483	11,341	-142	-1.2%
14.8%	11,166	11,310	145	1.3%
16.0%	10,563	11,105	543	5.1%
17.3%	10,463	10,486	23	0.2%
18.5%	10,245	10,475	231	2.3%
19.8%	10,118	10,245	127	1.3%
21.0%	9,910	10,017	106	1.1%
22.2%	9,566	9,744	179	1.9%
23.5%	9,478	9,636	158	1.7%
24.7%	9,362	9,628	266	2.8%
25.9%	9,166	9,621	455	5.0%
27.2%	8,976	9,593	617	6.9%
28.4%	8,973	9,530	557	6.2%
29.6%	8,949	9,515	566	6.3%
30.9%	8,850	9,501	651	7.4%
32.1%	8,781	9,488	707	8.0%
33.3%	8,644	9,474	830	9.6%
34.6%	8,591	9,441	849	9.9%
35.8%	8,561	9,322	761	8.9%
37.0%	8,496	8,807	312	3.7%
38.3%	8,420	8,547	126	1.5%
39.5%	8,375	8,532	157	1.9%
40.7%	8,306	8,420	114	1.4%
42.0%	8,197	8,368	171	2.1%
43.2%	8,054	8,359	305	3.8%
44.4%	7,885	8,318	433	5.5%
45.7%	7,828	8,292	464	5.9%
46.9%	7,818	8,165	347	4.4%
48.1%	7,791	7,974	183	2.4%
49.4%	7,730	7,961	231	3.0%
50.6%	7,589	7,958	370	4.9%
51.9%	7,527	7,723	196	2.6%
53.1%	7,442	7,587	144	1.9%
54.3%	7,367	7,536	169	2.3%
55.6%	7,158	7,160	2	0.0%
56.8%	7,083	7,027	-56	-0.8%
58.0%	7,078	6,880	-198	-2.8%
59.3%	7,066	6,816	-250	-3.5%
60.5%	6,892	6,777	-115	-1.7%
61.7%	6,773	6,764	-9	-0.1%
63.0%	6,745	6,601	-144	-2.1%
64.2%	6,694	6,574	-120	-1.8%
65.4%	6,676	6,544	-132	-2.0%
66.7%	6,507	6,540	33	0.5%
67.9%	6,503	6,507	4	0.1%
69.1%	6,483	6,503	20	0.3%
70.4%	6,466	6,483	17	0.3%
71.6%	6,431	6,341	-90	-1.4%
72.8%	6,416	6,254	-162	-2.5%
74.1%	6,327	6,223	-104	-1.6%
75.3%	6,271	6,211	-60	-1.0%
76.5%	6,184	6,189	5	0.1%
77.8%	6,163	6,184	21	0.3%
79.0%	6,142	6,146	4	0.1%
80.2%	6,111	6,082	-29	-0.5%
81.5%	6,089	5,951	-137	-2.3%
82.7%	5,910	5,910	0	0.0%
84.0%	5,858	5,818	-39	-0.7%
85.2%	5,789	5,682	-108	-1.9%
86.4%	5,697	5,673	-24	-0.4%
87.7%	5,665	5,667	2	0.0%
88.9%	5,609	5,660	52	0.9%
90.1%	5,592	5,595	3	0.1%
91.4%	5,427	5,426	-1	0.0%
92.6%	5,357	5,376	19	0.4%
93.8%	4,835	4,790	-45	-0.9%
95.1%	4,705	4,519	-186	-4.0%
96.3%	4,086	3,913	-173	-4.2%
97.5%	3,912	3,886	-26	-0.7%
98.8%	3,534	3,564	30	0.9%
100.0%	2,986	2,969	-17	-0.6%

Table SW-32-b

Sacramento River at Rio Vista, Monthly Flow
Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,791	20,722	4,931	31.2%
1.2%	11,570	11,240	-330	-2.9%
2.5%	11,082	10,900	-182	-1.6%
3.7%	10,334	10,379	45	0.4%
4.9%	9,648	9,679	31	0.3%
6.2%	9,437	9,167	-269	-2.9%
7.4%	8,881	9,105	224	2.5%
8.6%	8,822	8,822	0	0.0%
9.9%	8,738	8,820	82	0.9%
11.1%	8,730	8,715	-15	-0.2%
12.3%	8,676	8,687	11	0.1%
13.6%	8,653	8,636	-17	-0.2%
14.8%	8,632	8,465	-167	-1.9%
16.0%	8,511	8,403	-108	-1.3%
17.3%	8,421	8,367	-54	-0.6%
18.5%	8,364	8,348	-16	-0.2%
19.8%	8,343	8,309	-34	-0.4%
21.0%	8,309	8,266	-44	-0.5%
22.2%	8,004	8,121	116	1.5%
23.5%	7,974	8,043	69	0.9%
24.7%	7,971	8,015	44	0.6%
25.9%	7,955	7,979	24	0.3%
27.2%	7,946	7,970	23	0.3%
28.4%	7,833	7,965	132	1.7%
29.6%	7,556	7,831	275	3.6%
30.9%	7,517	7,794	277	3.7%
32.1%	7,510	7,786	276	3.7%
33.3%	7,476	7,786	310	4.2%
34.6%	7,457	7,648	191	2.6%
35.8%	7,432	7,552	120	1.6%
37.0%	7,407	7,510	103	1.4%
38.3%	7,398	7,510	111	1.5%
39.5%	7,383	7,464	81	1.1%
40.7%	7,317	7,443	126	1.7%
42.0%	7,310	7,406	96	1.3%
43.2%	7,282	7,382	100	1.4%
44.4%	7,243	7,316	73	1.0%
45.7%	7,155	7,310	156	2.2%
46.9%	7,096	7,284	187	2.6%
48.1%	7,083	7,256	173	2.4%
49.4%	7,071	7,245	175	2.5%
50.6%	7,062	7,243	181	2.6%
51.9%	7,050	7,178	127	1.8%
53.1%	7,010	7,177	167	2.4%
54.3%	7,006	7,162	156	2.2%
55.6%	7,006	7,154	149	2.1%
56.8%	7,001	7,148	147	2.1%
58.0%	6,978	7,098	120	1.7%
59.3%	6,805	7,096	291	4.3%
60.5%	6,701	7,091	390	5.8%
61.7%	6,634	7,085	451	6.8%
63.0%	6,596	7,084	487	7.4%
64.2%	6,572	7,071	499	7.6%
65.4%	6,521	7,055	534	8.2%
66.7%	6,466	7,050	584	9.0%
67.9%	6,413	7,024	612	9.5%
69.1%	6,385	7,006	621	9.7%
70.4%	6,329	7,001	672	10.6%
71.6%	6,240	6,990	751	12.0%
72.8%	6,217	6,978	762	12.2%
74.1%	6,058	6,922	864	14.3%
75.3%	6,024	6,877	853	14.2%
76.5%	5,830	6,596	766	13.1%
77.8%	5,673	6,521	848	15.0%
79.0%	5,665	6,440	775	13.7%
80.2%	5,605	6,404	798	14.2%
81.5%	5,602	6,395	793	14.2%
82.7%	5,545	6,337	792	14.3%
84.0%	5,524	6,239	715	12.9%
85.2%	5,509	6,134	625	11.3%
86.4%	5,500	6,109	609	11.1%
87.7%	5,494	5,861	367	6.7%
88.9%	5,451	5,743	293	5.4%
90.1%	5,381	5,588	206	3.8%
91.4%	5,342	5,545	204	3.8%
92.6%	5,309	5,494	184	3.5%
93.8%	5,263	5,342	78	1.5%
95.1%	5,011	5,011	0	0.0%
96.3%	3,987	3,963	-24	-0.6%
97.5%	3,623	3,941	318	8.8%
98.8%	3,491	3,775	283	8.1%
100.0%	3,323	3,611	288	8.7%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,358	19,907	5,549	38.6%
1.2%	14,245	14,306	61	0.4%
2.5%	14,139	14,291	153	1.1%
3.7%	14,090	14,245	155	1.1%
4.9%	14,049	14,201	152	1.1%
6.2%	14,018	14,173	155	1.1%
7.4%	13,960	14,139	179	1.3%
8.6%	13,898	14,127	229	1.7%
9.9%	13,859	14,073	214	1.5%
11.1%	13,635	13,911	276	2.0%
12.3%	13,614	13,830	216	1.6%
13.6%	13,578	13,752	175	1.3%
14.8%	13,398	13,671	273	2.0%
16.0%	13,332	13,454	122	0.9%
17.3%	13,257	13,434	177	1.3%
18.5%	13,241	13,407	166	1.3%
19.8%	13,079	13,372	293	2.2%
21.0%	13,068	13,334	266	2.0%
22.2%	13,058	13,274	216	1.7%
23.5%	13,028	13,264	236	1.8%
24.7%	12,983	13,195	212	1.6%
25.9%	12,982	13,124	142	1.1%
27.2%	12,971	13,119	149	1.1%
28.4%	12,962	13,074	112	0.9%
29.6%	12,962	13,071	109	0.8%
30.9%	12,933	12,948	15	0.1%
32.1%	12,897	12,922	25	0.2%
33.3%	12,807	12,908	101	0.8%
34.6%	12,784	12,872	88	0.7%
35.8%	12,783	12,855	72	0.6%
37.0%	12,642	12,736	94	0.7%
38.3%	12,616	12,735	119	0.9%
39.5%	12,518	12,668	151	1.2%
40.7%	12,507	12,563	56	0.4%
42.0%	12,349	12,536	187	1.5%
43.2%	12,043	12,301	258	2.1%
44.4%	11,997	12,225	229	1.9%
45.7%	11,943	12,176	233	1.9%
46.9%	11,903	12,098	196	1.6%
48.1%	11,787	11,841	54	0.5%
49.4%	11,459	11,740	281	2.5%
50.6%	11,232	11,535	303	2.7%
51.9%	11,072	11,447	375	3.4%
53.1%	10,964	11,435	472	4.3%
54.3%	10,934	11,352	417	3.8%
55.6%	10,901	11,330	428	3.9%
56.8%	10,808	11,086	277	2.6%
58.0%	10,698	11,051	354	3.3%
59.3%	10,572	11,024	452	4.3%
60.5%	10,548	10,941	393	3.7%
61.7%	10,228	10,700	473	4.6%
63.0%	10,153	10,361	208	2.1%
64.2%	10,089	10,350	261	2.6%
65.4%	9,863	10,329	466	4.7%
66.7%	9,822	10,191	369	3.8%
67.9%	9,492	9,889	398	4.2%
69.1%	9,462	9,797	335	3.5%
70.4%	9,342	9,615	272	2.9%
71.6%	9,304	9,381	77	0.8%
72.8%	9,247	9,333	86	0.9%
74.1%	8,950	9,303	352	3.9%
75.3%	8,023	9,267	1,244	15.5%
76.5%	7,791	9,258	1,467	18.8%
77.8%	7,616	8,286	670	8.8%
79.0%	7,279	8,184	905	12.4%
80.2%	6,781	8,156	1,375	20.3%
81.5%	6,389	7,001	611	9.6%
82.7%	5,932	6,768	836	14.1%
84.0%	5,683	6,530	847	14.9%
85.2%	5,667	6,437	770	13.6%
86.4%	5,649	6,430	781	13.8%
87.7%	5,401	6,314	913	16.9%
88.9%	5,336	6,127	791	14.8%
90.1%	5,045	5,896	851	16.9%
91.4%	4,724	5,814	1,090	23.1%
92.6%	4,716	5,082	366	7.8%
93.8%	4,439	5,041	603	13.6%
95.1%	4,388	4,726	338	7.7%
96.3%	4,353	4,619	266	6.1%
97.5%	4,260	4,546	286	6.7%
98.8%	4,206	4,421	215	5.1%
100.0%	3,470	4,138	668	19.3%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,578	11,371	-207	-1.8%
1.2%	10,063	10,130	66	0.7%
2.5%	9,877	10,010	133	1.3%
3.7%	9,739	9,896	157	1.6%
4.9%	9,545	9,819	273	2.9%
6.2%	9,506	9,804	298	3.1%
7.4%	9,408	9,799	391	4.2%
8.6%	9,298	9,745	447	4.8%
9.9%	9,159	9,612	453	4.9%
11.1%	9,152	9,516	364	4.0%
12.3%	9,028	9,502	474	5.3%
13.6%	8,971	9,494	522	5.8%
14.8%	8,910	9,441	531	6.0%
16.0%	8,883	9,372	490	5.5%
17.3%	8,847	9,362	514	5.8%
18.5%	8,836	9,298	463	5.2%
19.8%	8,810	9,298	487	5.5%
21.0%	8,795	9,238	442	5.0%
22.2%	8,746	9,217	471	5.4%
23.5%	8,743	9,196	453	5.2%
24.7%	8,738	9,117	378	4.3%
25.9%	8,647	9,083	436	5.0%
27.2%	8,563	9,029	466	5.4%
28.4%	8,507	9,027	520	6.1%
29.6%	8,477	8,970	493	5.8%
30.9%	8,436	8,970	534	6.3%
32.1%	8,417	8,896	479	5.7%
33.3%	8,337	8,856	519	6.2%
34.6%	8,266	8,820	554	6.7%
35.8%	8,211	8,808	597	7.3%
37.0%	8,175	8,795	620	7.6%
38.3%	8,082	8,738	657	8.1%
39.5%	8,034	8,679	645	8.0%
40.7%	8,001	8,638	637	8.0%
42.0%	7,938	8,543	605	7.6%
43.2%	7,929	8,541	611	7.7%
44.4%	7,763	8,524	760	9.8%
45.7%	7,682	8,423	741	9.6%
46.9%	7,679	8,398	719	9.4%
48.1%	7,621	8,390	768	10.1%
49.4%	7,543	8,387	844	11.2%
50.6%	7,503	8,385	882	11.8%
51.9%	7,463	8,329	866	11.6%
53.1%	7,460	8,321	862	11.5%
54.3%	7,441	8,229	788	10.6%
55.6%	7,381	8,213	832	11.3%
56.8%	7,272	8,127	856	11.8%
58.0%	6,928	8,083	1,155	16.7%
59.3%	6,650	8,007	1,357	20.4%
60.5%	6,644	7,882	1,238	18.6%
61.7%	6,628	7,830	1,202	18.1%
63.0%	6,457	7,750	1,292	20.0%
64.2%	6,309	7,533	1,224	19.4%
65.4%	6,172	7,463	1,290	20.9%
66.7%	6,170	7,305	1,135	18.4%
67.9%	6,060	7,218	1,158	19.1%
69.1%	6,017	7,037	1,020	17.0%
70.4%	5,921	6,299	378	6.4%
71.6%	5,882	6,210	328	5.6%
72.8%	5,829	6,128	298	5.1%
74.1%	5,656	6,119	463	8.2%
75.3%	5,603	6,078	475	8.5%
76.5%	5,494	5,984	490	8.9%
77.8%	5,466	5,981	515	9.4%
79.0%	5,277	5,940	663	12.6%
80.2%	5,234	5,857	623	11.9%
81.5%	5,134	5,708	574	11.2%
82.7%	5,116	5,599	484	9.5%
84.0%	5,115	5,540	425	8.3%
85.2%	5,109	5,517	408	8.0%
86.4%	5,055	5,515	460	9.1%
87.7%	4,992	5,486	493	9.9%
88.9%	4,784	5,251	467	9.8%
90.1%	4,747	5,199	452	9.5%
91.4%	4,706	5,161	455	9.7%
92.6%	4,572	5,159	587	12.8%
93.8%	4,323	4,941	618	14.3%
95.1%	4,310	4,491	181	4.2%
96.3%	4,152	4,389	237	5.7%
97.5%	4,083	4,133	50	1.2%
98.8%	3,992	3,947	-45	-1.1%
100.0%	3,873	3,843	-29	-0.8%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,151	26,523	372	1.4%
1.2%	25,379	26,096	717	2.8%
2.5%	25,020	25,986	966	3.9%
3.7%	24,954	25,636	682	2.7%
4.9%	24,845	25,576	731	2.9%
6.2%	24,157	24,783	627	2.6%
7.4%	23,911	24,108	197	0.8%
8.6%	23,626	23,952	326	1.4%
9.9%	23,345	23,778	433	1.9%
11.1%	23,172	23,672	500	2.2%
12.3%	22,951	23,648	697	3.0%
13.6%	22,719	23,015	297	1.3%
14.8%	22,665	22,908	243	1.1%
16.0%	22,393	22,779	386	1.7%
17.3%	22,363	22,758	395	1.8%
18.5%	22,351	22,530	179	0.8%
19.8%	21,843	22,201	357	1.6%
21.0%	21,133	22,016	883	4.2%
22.2%	21,064	15,611	-5,454	-25.9%
23.5%	15,365	15,311	-54	-0.4%
24.7%	15,212	14,991	-221	-1.5%
25.9%	14,914	14,832	-82	-0.5%
27.2%	14,706	14,731	25	0.2%
28.4%	14,544	14,548	4	0.0%
29.6%	14,505	14,532	26	0.2%
30.9%	14,306	14,487	181	1.3%
32.1%	14,249	14,377	128	0.9%
33.3%	14,074	14,191	118	0.8%
34.6%	13,425	13,582	156	1.2%
35.8%	13,101	13,131	30	0.2%
37.0%	12,750	13,068	318	2.5%
38.3%	11,824	12,120	296	2.5%
39.5%	11,765	11,482	-283	-2.4%
40.7%	11,632	11,372	-260	-2.2%
42.0%	11,506	11,121	-385	-3.3%
43.2%	11,167	11,028	-139	-1.2%
44.4%	7,930	9,367	1,437	18.1%
45.7%	7,857	9,232	1,375	17.5%
46.9%	7,359	8,943	1,584	21.5%
48.1%	7,271	8,755	1,485	20.4%
49.4%	7,266	8,503	1,237	17.0%
50.6%	6,912	8,412	1,500	21.7%
51.9%	6,837	8,381	1,544	22.6%
53.1%	6,834	8,326	1,491	21.8%
54.3%	6,744	8,309	1,565	23.2%
55.6%	6,732	8,306	1,574	23.4%
56.8%	6,677	8,299	1,622	24.3%
58.0%	6,674	7,902	1,228	18.4%
59.3%	6,438	7,855	1,417	22.0%
60.5%	6,437	7,851	1,414	22.0%
61.7%	6,339	7,843	1,504	23.7%
63.0%	6,326	7,621	1,295	20.5%
64.2%	6,053	7,501	1,448	23.9%
65.4%	5,989	7,474	1,485	24.8%
66.7%	5,953	7,377	1,425	23.9%
67.9%	5,673	6,951	1,278	22.5%
69.1%	5,477	6,934	1,458	26.6%
70.4%	5,436	6,913	1,476	27.2%
71.6%	5,125	6,905	1,780	34.7%
72.8%	4,897	6,872	1,975	40.3%
74.1%	4,887	6,852	1,965	40.2%
75.3%	4,672	6,580	1,909	40.9%
76.5%	4,533	6,568	2,034	44.9%
77.8%	4,493	6,555	2,061	45.9%
79.0%	4,427	6,477	2,050	46.3%
80.2%	4,399	6,194	1,795	40.8%
81.5%	4,090	6,133	2,043	50.0%
82.7%	3,781	6,127	2,346	62.0%
84.0%	3,656	6,093	2,436	66.6%
85.2%	3,628	6,060	2,433	67.1%
86.4%	3,622	5,582	1,960	54.1%
87.7%	3,554	5,347	1,793	50.5%
88.9%	3,485	5,225	1,739	49.9%
90.1%	3,483	4,537	1,054	30.3%
91.4%	3,418	4,517	1,099	32.2%
92.6%	3,259	4,478	1,220	37.4%
93.8%	3,232	4,122	890	27.5%
95.1%	3,176	4,065	889	28.0%
96.3%	3,000	3,994	994	33.1%
97.5%	3,000	3,844	844	28.1%
98.8%	3,000	3,327	327	10.9%
100.0%	3,000	3,020	20	0.7%

Figure SW-33-b
Sacramento/San Joaquin River Delta, Monthly Outflow
Probability of Exceedance

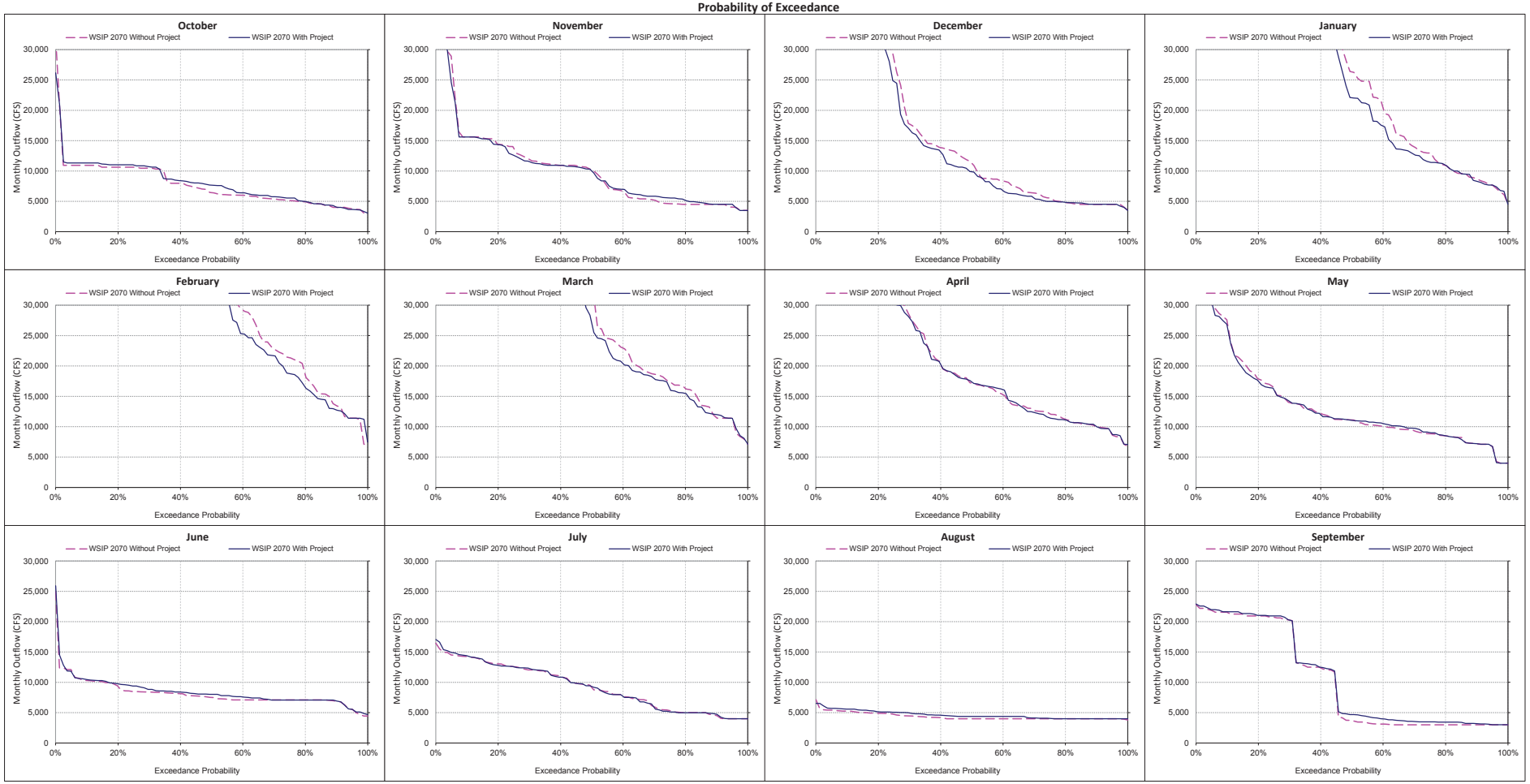


Table SW-33-b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Outflow (CFS)	WSIP 2070 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,928	26,174	-5,754	-18.0%
1.2%	20,938	20,938	0	0.0%
2.5%	10,938	11,484	547	5.0%
3.7%	10,938	11,328	390	3.6%
4.9%	10,938	11,328	390	3.6%
6.2%	10,938	11,328	390	3.6%
7.4%	10,938	11,328	390	3.6%
8.6%	10,938	11,328	390	3.6%
9.9%	10,938	11,328	390	3.6%
11.1%	10,938	11,328	390	3.6%
12.3%	10,938	11,328	390	3.6%
13.6%	10,938	11,328	390	3.6%
14.8%	10,625	11,172	547	5.1%
16.0%	10,625	11,119	494	4.7%
17.3%	10,625	11,015	390	3.7%
18.5%	10,625	11,015	390	3.7%
19.8%	10,625	11,015	390	3.7%
21.0%	10,625	11,015	390	3.7%
22.2%	10,625	11,015	390	3.7%
23.5%	10,625	11,015	390	3.7%
24.7%	10,625	11,015	390	3.7%
25.9%	10,625	10,859	234	2.2%
27.2%	10,469	10,859	390	3.7%
28.4%	10,469	10,859	390	3.7%
29.6%	10,469	10,703	234	2.2%
30.9%	10,469	10,625	156	1.5%
32.1%	10,313	10,625	313	3.0%
33.3%	10,313	10,313	0	0.0%
34.6%	10,051	8,763	-1,288	-12.8%
35.8%	8,125	8,689	564	6.9%
37.0%	7,969	8,676	708	8.9%
38.3%	7,969	8,515	547	6.9%
39.5%	7,969	8,398	430	5.4%
40.7%	7,969	8,359	390	4.9%
42.0%	7,656	8,286	630	8.2%
43.2%	7,500	8,125	625	8.3%
44.4%	7,344	8,047	703	9.6%
45.7%	7,188	8,047	859	12.0%
46.9%	7,031	7,945	914	13.0%
48.1%	6,969	7,813	844	12.1%
49.4%	6,468	7,701	1,233	19.1%
50.6%	6,400	7,645	1,245	19.5%
51.9%	6,238	7,578	1,340	21.5%
53.1%	6,128	7,578	1,450	23.7%
54.3%	6,098	7,251	1,153	18.9%
55.6%	6,056	7,037	982	16.2%
56.8%	6,039	6,931	891	14.8%
58.0%	6,019	6,425	406	6.8%
59.3%	6,002	6,418	416	6.9%
60.5%	5,989	6,401	412	6.9%
61.7%	5,912	6,224	312	5.3%
63.0%	5,826	6,107	282	4.8%
64.2%	5,816	6,064	248	4.3%
65.4%	5,554	5,990	436	7.9%
66.7%	5,525	5,987	463	8.4%
67.9%	5,478	5,986	508	9.3%
69.1%	5,421	5,749	328	6.0%
70.4%	5,395	5,741	346	6.4%
71.6%	5,277	5,715	438	8.3%
72.8%	5,256	5,650	394	7.5%
74.1%	5,155	5,549	394	7.6%
75.3%	5,108	5,545	437	8.6%
76.5%	5,085	5,526	441	8.7%
77.8%	4,975	5,099	124	2.5%
79.0%	4,940	5,015	75	1.5%
80.2%	4,912	4,946	34	0.7%
81.5%	4,688	4,807	119	2.5%
82.7%	4,599	4,609	10	0.2%
84.0%	4,584	4,594	9	0.2%
85.2%	4,565	4,572	8	0.2%
86.4%	4,309	4,390	81	1.9%
87.7%	4,288	4,390	103	2.4%
88.9%	4,000	4,301	301	7.5%
90.1%	4,000	4,000	0	0.0%
91.4%	4,000	4,000	0	0.0%
92.6%	4,000	3,886	-114	-2.8%
93.8%	3,863	3,664	-199	-5.2%
95.1%	3,757	3,663	-94	-2.5%
96.3%	3,673	3,600	-74	-2.0%
97.5%	3,644	3,585	-59	-1.6%
98.8%	3,070	3,327	258	8.4%
100.0%	3,000	3,075	75	2.5%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Outflow (CFS)	WSIP 2070 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	51,874	45,072	-6,802	-13.1%
1.2%	43,814	42,940	-874	-2.0%
2.5%	32,752	30,831	-1,921	-5.9%
3.7%	29,747	29,907	161	0.5%
4.9%	28,929	24,591	-4,338	-15.0%
6.2%	22,153	21,305	-848	-3.8%
7.4%	16,449	15,625	-824	-5.0%
8.6%	15,625	15,625	0	0.0%
9.9%	15,625	15,625	0	0.0%
11.1%	15,625	15,625	0	0.0%
12.3%	15,625	15,625	0	0.0%
13.6%	15,625	15,469	-156	-1.0%
14.8%	15,469	15,313	-156	-1.0%
16.0%	15,313	15,313	0	0.0%
17.3%	15,313	15,156	-156	-1.0%
18.5%	15,313	14,398	-914	-6.0%
19.8%	14,398	14,346	-52	-0.4%
21.0%	14,346	14,296	-50	-0.3%
22.2%	14,296	14,031	-265	-1.9%
23.5%	14,045	12,906	-1,139	-8.1%
24.7%	14,031	12,642	-1,388	-9.9%
25.9%	12,906	12,334	-572	-4.4%
27.2%	12,642	12,028	-614	-4.9%
28.4%	12,334	11,656	-678	-5.5%
29.6%	12,028	11,618	-409	-3.4%
30.9%	11,656	11,352	-304	-2.6%
32.1%	11,618	11,237	-382	-3.3%
33.3%	11,352	11,179	-174	-1.5%
34.6%	11,237	11,021	-216	-1.9%
35.8%	11,179	10,938	-241	-2.2%
37.0%	11,094	10,938	-156	-1.4%
38.3%	11,021	10,938	-83	-0.8%
39.5%	10,938	10,938	0	0.0%
40.7%	10,938	10,938	0	0.0%
42.0%	10,938	10,781	-156	-1.4%
43.2%	10,938	10,781	-156	-1.4%
44.4%	10,938	10,713	-225	-2.1%
45.7%	10,781	10,619	-162	-1.5%
46.9%	10,711	10,490	-220	-2.1%
48.1%	10,619	10,346	-273	-2.6%
49.4%	10,316	10,316	0	0.0%
50.6%	10,011	9,656	-355	-3.5%
51.9%	9,439	8,786	-653	-6.9%
53.1%	8,786	8,364	-422	-4.8%
54.3%	7,950	8,364	414	5.2%
55.6%	6,997	7,513	516	7.4%
56.8%	6,945	7,168	224	3.2%
58.0%	6,902	7,035	133	1.9%
59.3%	6,781	7,021	240	3.5%
60.5%	6,494	6,960	467	7.2%
61.7%	5,652	6,357	705	12.5%
63.0%	5,547	6,236	689	12.4%
64.2%	5,545	6,137	591	10.7%
65.4%	5,412	6,089	677	12.5%
66.7%	5,397	5,930	533	9.9%
67.9%	5,392	5,848	457	8.5%
69.1%	5,288	5,837	549	10.4%
70.4%	5,163	5,835	672	13.0%
71.6%	4,858	5,764	905	18.6%
72.8%	4,688	5,631	943	20.1%
74.1%	4,635	5,583	948	20.5%
75.3%	4,607	5,548	941	20.4%
76.5%	4,590	5,542	952	20.7%
77.8%	4,566	5,418	852	18.7%
79.0%	4,506	5,369	863	19.1%
80.2%	4,500	5,096	596	13.3%
81.5%	4,500	4,950	450	10.0%
82.7%	4,500	4,941	441	9.8%
84.0%	4,500	4,865	365	8.1%
85.2%	4,500	4,779	279	6.2%
86.4%	4,500	4,688	188	4.2%
87.7%	4,500	4,578	78	1.7%
88.9%	4,500	4,500	0	0.0%
90.1%	4,500	4,500	0	0.0%
91.4%	4,500	4,500	0	0.0%
92.6%	4,500	4,500	0	0.0%
93.8%	4,059	4,500	441	10.9%
95.1%	4,051	4,500	449	11.1%
96.3%	3,986	3,903	-83	-2.1%
97.5%	3,518	3,500	-18	-0.5%
98.8%	3,500	3,500	0	0.0%
100.0%	3,500	3,500	0	0.0%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Outflow (CFS)	WSIP 2070 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	194,775	197,381	2,606	1.3%
1.2%	143,606	140,030	-3,576	-2.5%
2.5%	122,174	120,300	-1,874	-1.5%
3.7%	122,165	119,582	-2,582	-2.1%
4.9%	106,169	102,045	-4,124	-3.9%
6.2%	92,804	88,230	-4,574	-4.9%
7.4%	91,674	88,171	-3,502	-3.8%
8.6%	85,661	84,474	-1,186	-1.4%
9.9%	80,368	79,292	-1,076	-1.3%
11.1%	77,142	77,150	9	0.0%
12.3%	64,405	58,026	-6,378	-9.9%
13.6%	54,397	52,494	-1,903	-3.5%
14.8%	42,568	37,792	-4,776	-11.2%
16.0%	39,187	37,739	-1,448	-3.7%
17.3%	38,379	35,813	-2,566	-6.7%
18.5%	36,872	33,592	-3,280	-8.9%
19.8%	35,795	32,509	-3,286	-9.2%
21.0%	34,964	30,827	-4,137	-11.8%
22.2%	31,595	30,008	-1,586	-5.0%
23.5%	31,006	28,092	-2,914	-9.4%
24.7%	29,265	24,873	-4,392	-15.0%
25.9%	26,234	24,485	-1,749	-6.7%
27.2%	24,167	19,343	-4,825	-20.0%
28.4%	20,533	17,688	-2,845	-13.9%
29.6%	17,854	17,072	-782	-4.4%
30.9%	17,495	16,295	-1,200	-6.9%
32.1%	17,050	16,009	-1,041	-6.1%
33.3%	16,183	15,050	-1,133	-7.0%
34.6%	15,427	14,200	-1,226	-7.9%
35.8%	14,540	13,915	-625	-4.3%
37.0%	14,497	13,736	-760	-5.2%
38.3%	14,282	13,592	-690	-4.8%
39.5%	13,906	13,474	-432	-3.1%
40.7%	13,779	12,704	-1,075	-7.8%
42.0%	13,583	11,179	-2,405	-17.7%
43.2%	13,401	11,054	-2,347	-17.5%
44.4%	13,268	10,823	-2,445	-18.4%
45.7%	12,713	10,645	-2,068	-16.3%
46.9%	12,275	10,642	-1,633	-13.3%
48.1%	11,901	10,464	-1,437	-12.1%
49.4%	11,579	9,908	-1,671	-14.4%
50.6%	10,923	9,843	-1,079	-9.9%
51.9%	9,760	9,076	-684	-7.0%
53.1%	8,795	8,932	137	1.6%
54.3%	8,792	8,255	-537	-6.1%
55.6%	8,765	8,228	-537	-6.1%
56.8%	8,662	7,565	-1,097	-12.7%
58.0%	8,654	7,094	-1,560	-18.0%
59.3%	8,364	7,058	-1,306	-15.6%
60.5%	8,305	6,566	-1,738	-20.9%
61.7%	8,121	6,325	-1,796	-22.1%
63.0%	7,496	6,267	-1,229	-16.4%
64.2%	7,371	6,210	-1,160	-15.7%
65.4%	7,095	6,073	-1,023	-14.4%
66.7%	6,508	5,910	-598	-9.2%
67.9%	6,471	5,838	-633	-9.8%
69.1%	6,417	5,838	-579	-9.0%
70.4%	6,346	5,384	-962	-15.2%
71.6%	6,203	5,349	-854	-13.8%
72.8%	5,766	5,109	-657	-11.4%
74.1%	5,586	5,002	-584	-10.4%
75.3%	5,533	5,000	-533	-9.6%
76.5%	5,077	4,973	-104	-2.1%
77.8%	5,014	4,920	-94	-1.9%
79.0%	4,894	4,906	12	0.2%
80.2%	4,778	4,806	27	0.6%
81.5%	4,743	4,788	44	0.9%
82.7%	4,611	4,755	144	3.1%
84.0%	4,508	4,748	240	5.3%
85.2%	4,500	4,743	243	5.4%
86.4%	4,500	4,611	111	2.5%
87.7%	4,500	4,500	0	0.0%
88.9%	4,500	4,500	0	0.0%
90.1%	4,500	4,500	0	0.0%
91.4%	4,500	4,500	0	0.0%
92.6%	4,500	4,500	0	0.0%
93.8%	4,500	4,500	0	0.0%
95.1%	4,500	4,500	0	0.0%
96.3%	4,500	4,500	0	0.0%
97.5%	4,500	4,237	-263	-5.9%
98.8%	4,032	4,003	-29	-0.7%
100.0%	3,500	3,500	0	0.0%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Outflow (CFS)	WSIP 2070 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	349,454	349,600	145	0.0%
1.2%	266,847	265,835	-1,012	-0.4%
2.5%	242,940	238,148	-4,793	-2.0%
3.7%	203,299	198,964	-4,335	-2.1%
4.9%	196,131	193,691	-2,440	-1.2%
6.2%	168,505	165,743	-2,762	-1.6%
7.4%	166,985	162,228	-4,757	-2.8%
8.6%	154,861	154,372	-489	-0.3%
9.9%	139,255	139,852	597	0.4%
11.1%	130,215	127,578	-2,638	-2.0%
12.3%	128,944	125,788	-3,156	-2.4%
13.6%	121,461	122,844	1,383	1.1%
14.8%	119,031	117,067	-1,964	-1.6%
16.0%	115,208	108,870	-6,338	-5.5%
17.3%	104,056	101,086	-2,970	-2.9%
18.5%	94,160	91,053	-3,108	-3.3%
19.8%	90,505	90,055	-451	-0.5%
21.0%	89,407	85,275	-4,133	-4.6%
22.2%	85,665	82,598	-3,067	-3.6%
23.5%	77,118	78,454	1,336	1.7%
24.7%	70,828	67,847	-2,981	-4.2%
25.9%	68,733	67,409	-1,324	-1.9%
27.2%	66,696	66,058	-637	-1.0%
28.4%	65,804	62,580	-3,224	-4.9%
29.6%	64,278	62,481	-1,798	-2.8%
30.9%	61,364	59,389	-1,975	-3.2%
32.1%	52,139	54,383	2,244	4.3%
33.3%	51,843	48,860	-2,983	-5.8%
34.6%	48,742	47,988	-754	-1.5%
35.8%	42,491	39,951	-2,541	-6.0%
37.0%	41,941	39,409	-2,532	-6.0%
38.3%	39,834	36,348	-3,487	-8.8%
39.5%	39,246	36,241	-3,005	-7.7%
40.7%	38,949	35,836	-3,113	-8.0%
42.0%	38,330	34,873	-3,458	-9.0%
43.2%	35,478	31,692	-3,786	-10.7%
44.4%	35,183	31,293	-3,890	-11.1%
45.7%	32,934	28,788	-4,146	-12.6%
46.9%	30,213	26,350	-3,863	-12.8%
48.1%	28,174	24,050	-4,124	-14.6%
49.4%	26,408	22,096	-4,312	-16.3%
50.6%	26,257	22,010	-4,248	-16.2%
51.9%	25,289	21,976	-3,313	-13.1%
53.1%	24,802	21,251	-3,551	-14.3%
54.3%	24,787	21,172	-3,615	-14.6%
55.6%	24,772	20,863	-3,909	-15.8%
56.8%	22,181	18,210	-3,971	-17.9%
58.0%	22,064	18,152	-3,911	-17.7%
59.3%	21,645	17,565	-4,080	-18.8%
60.5%	19,482	17,260	-2,222	-11.4%
61.7%	19,243	15,173	-4,070	-21.1%
63.0%	18,096	14,633	-3,463	-19.1%
64.2%	16,077	13,645	-2,431	-15.1%
65.4%	15,901	13,594	-2,307	-14.5%
66.7%	15,660	13,478	-2,181	-13.9%
67.9%	14,705	13,342	-1,363	-9.3%
69.1%	14,203	12,968	-1,236	-8.7%
70.4%	13,844	12,617	-1,227	-8.9%
71.6%	13,362	12,509	-853	-6.4%
72.8%	13,090	11,875	-1,215	-9.3%
74.1%	12,974	11,569	-1,405	-10.8%
75.3%	12,947	11,425	-1,523	-11.8%
76.5%	11,906	11,423	-482	-4.1%
77.8%	11,342	11,343	2	0.0%
79.0%	11,072	11,259	187	1.7%
80.2%	10,878	10,880	2	0.0%
81.5%	10,301	10,351	50	0.5%
82.7%	9,933	10,000	67	0.7%
84.0%	9,611	9,982	371	3.9%
85.2%	9,584	9,531	-52	-0.5%
86.4%	9,542	9,464	-77	-0.8%
87.7%	8,982	9,450	468	5.2%
88.9%	8,918	8,435	-483	-5.4%
90.1%	8,676	8,296	-380	-4.4%
91.4%	8,385	8,114	-271	-3.2%
92.6%	8,171	7,834	-337	-4.1%
93.8%	7,818	7,678	-140	-1.8%
95.1%	7,656	7,667	11	0.1%
96.3%	7,128	7,379	252	3.5%
97.5%	6,566	6,790	224	3.4%
98.8%	6,102	6,640	538	8.8%
100.0%	4,500	4,500	0	0.0%

Table SW-33-b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Outflow (CFS)	WSIP 2070 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	294,849	296,774	1,925	0.7%
1.2%	270,834	267,112	-3,722	-1.4%
2.5%	265,999	263,872	-2,127	-0.8%
3.7%	233,686	233,484	-202	-0.1%
4.9%	208,081	206,423	-1,657	-0.8%
6.2%	205,912	206,077	164	0.1%
7.4%	203,369	203,156	-214	-0.1%
8.6%	181,167	176,308	-4,860	-2.7%
9.9%	178,305	175,730	-2,574	-1.4%
11.1%	175,700	173,929	-1,771	-1.0%
12.3%	164,505	165,282	777	0.5%
13.6%	164,166	165,033	867	0.5%
14.8%	142,739	142,877	138	0.1%
16.0%	136,423	129,407	-7,016	-5.1%
17.3%	127,675	125,941	-1,734	-1.4%
18.5%	127,002	123,590	-3,412	-2.7%
19.8%	125,660	123,528	-2,131	-1.7%
21.0%	123,664	121,809	-1,855	-1.5%
22.2%	108,043	103,866	-4,177	-3.9%
23.5%	106,146	102,846	-3,300	-3.1%
24.7%	97,193	93,733	-3,460	-3.6%
25.9%	88,120	87,955	-165	-0.2%
27.2%	87,976	87,371	-605	-0.7%
28.4%	81,580	78,950	-2,630	-3.2%
29.6%	78,650	78,296	-354	-0.4%
30.9%	78,449	77,064	-1,385	-1.8%
32.1%	78,024	76,219	-1,805	-2.3%
33.3%	72,797	70,812	-1,984	-2.7%
34.6%	72,198	69,565	-2,633	-3.6%
35.8%	69,848	66,081	-3,767	-5.4%
37.0%	64,212	63,195	-1,017	-1.6%
38.3%	63,623	60,991	-2,632	-4.1%
39.5%	60,931	59,562	-1,369	-2.2%
40.7%	60,283	57,983	-2,300	-3.8%
42.0%	59,851	56,102	-3,749	-6.3%
43.2%	58,382	56,025	-2,357	-4.0%
44.4%	57,584	55,383	-2,201	-3.8%
45.7%	55,425	53,555	-1,869	-3.4%
46.9%	48,038	48,239	201	0.4%
48.1%	47,826	45,417	-2,409	-5.0%
49.4%	47,332	44,440	-2,892	-6.1%
50.6%	44,964	43,644	-1,320	-2.9%
51.9%	44,145	43,007	-1,138	-2.6%
53.1%	43,822	41,179	-2,643	-6.0%
54.3%	35,534	30,411	-5,123	-14.4%
55.6%	33,876	30,399	-3,478	-10.3%
56.8%	31,034	27,581	-3,453	-11.1%
58.0%	30,271	27,194	-3,077	-10.2%
59.3%	29,515	25,314	-4,201	-14.2%
60.5%	29,010	25,229	-3,781	-13.0%
61.7%	28,820	24,662	-4,158	-14.4%
63.0%	28,045	24,634	-3,412	-12.2%
64.2%	26,733	23,523	-3,210	-12.0%
65.4%	25,031	23,081	-1,950	-7.8%
66.7%	23,979	22,625	-1,354	-5.6%
67.9%	23,956	21,834	-2,122	-8.9%
69.1%	23,166	21,759	-1,407	-6.1%
70.4%	22,668	21,675	-993	-4.4%
71.6%	22,281	20,495	-1,786	-8.0%
72.8%	22,000	19,922	-2,078	-9.4%
74.1%	21,469	18,826	-2,643	-12.3%
75.3%	21,315	18,685	-2,630	-12.3%
76.5%	21,026	18,586	-2,440	-11.6%
77.8%	20,785	18,083	-2,702	-13.0%
79.0%	20,425	17,265	-3,160	-15.5%
80.2%	18,088	16,290	-1,798	-9.9%
81.5%	17,443	15,893	-1,550	-8.9%
82.7%	16,680	15,273	-1,407	-8.4%
84.0%	15,695	14,642	-1,053	-6.7%
85.2%	15,399	14,495	-904	-5.9%
86.4%	15,372	14,412	-960	-6.2%
87.7%	14,975	13,021	-1,954	-13.0%
88.9%	13,796	12,967	-829	-6.0%
90.1%	13,414	12,695	-719	-5.4%
91.4%	13,183	12,564	-619	-4.7%
92.6%	11,660	12,147	488	4.2%
93.8%	11,400	11,400	0	0.0%
95.1%	11,400	11,400	0	0.0%
96.3%	11,400	11,400	0	0.0%
97.5%	11,145	11,400	255	2.3%
98.8%	7,100	11,205	4,105	57.8%
100.0%	7,100	7,468	368	5.2%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Outflow (CFS)	WSIP 2070 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	325,639	325,821	182	0.1%
1.2%	277,412	272,486	-4,925	-1.8%
2.5%	237,006	231,010	-5,996	-2.5%
3.7%	182,334	174,873	-7,461	-4.1%
4.9%	143,616	137,165	-6,451	-4.5%
6.2%	138,275	132,718	-5,557	-4.0%
7.4%	132,606	132,618	12	0.0%
8.6%	105,616	101,409	-4,208	-4.0%
9.9%	102,842	98,956	-3,886	-3.8%
11.1%	100,076	98,160	-1,915	-1.9%
12.3%	98,143	97,815	-327	-0.3%
13.6%	96,404	96,331	-73	-0.1%
14.8%	95,232	95,247	15	0.0%
16.0%	94,984	94,923	-61	-0.1%
17.3%	92,337	92,288	-48	-0.1%
18.5%	91,599	92,021	423	0.5%
19.8%	84,458	82,331	-2,127	-2.5%
21.0%	79,491	78,318	-1,173	-1.5%
22.2%	73,968	74,266	298	0.4%
23.5%	73,958	73,309	-649	-0.9%
24.7%	71,986	69,967	-2,019	-2.8%
25.9%	70,512	67,332	-3,180	-4.5%
27.2%	69,502	66,198	-3,305	-4.8%
28.4%	67,326	63,642	-3,683	-5.5%
29.6%	62,983	57,629	-5,354	-8.5%
30.9%	59,554	53,838	-5,715	-9.6%
32.1%	56,332	52,434	-3,898	-6.9%
33.3%	46,624	47,245	620	1.3%
34.6%	46,278	44,166	-2,112	-4.6%
35.8%	45,854	43,005	-2,849	-6.2%
37.0%	44,613	42,449	-2,164	-4.8%
38.3%	43,685	41,127	-2,559	-5.9%
39.5%	43,610	40,906	-2,704	-6.2%
40.7%	42,615	38,456	-4,159	-9.8%
42.0%	39,156	36,246	-2,910	-7.4%
43.2%	36,847	35,243	-1,604	-4.4%
44.4%	35,805	33,458	-2,347	-6.6%
45.7%	34,411	32,757	-1,654	-4.8%
46.9%	33,820	32,312	-1,509	-4.5%
48.1%	33,664	29,560	-4,104	-12.2%
49.4%	33,546	28,387	-5,159	-15.4%
50.6%	31,589	25,493	-6,096	-19.3%
51.9%	26,261	24,590	-1,671	-6.4%
53.1%	26,124	24,472	-1,651	-6.3%
54.3%	24,590	24,201	-389	-1.6%
55.6%	24,486	22,374	-2,112	-8.6%
56.8%	24,303	21,266	-3,037	-12.5%
58.0%	23,767	20,915	-2,852	-12.0%
59.3%	23,127	20,816	-2,311	-10.0%
60.5%	22,830	20,137	-2,692	-11.8%
61.7%	22,122	20,089	-2,033	-9.2%
63.0%	20,570	19,247	-1,323	-6.4%
64.2%	20,137	19,024	-1,113	-5.5%
65.4%	19,786	19,016	-770	-3.9%
66.7%	19,199	18,557	-642	-3.3%
67.9%	18,994	18,480	-514	-2.7%
69.1%	18,734	18,292	-442	-2.4%
70.4%	18,603	17,761	-842	-4.5%
71.6%	18,480	17,645	-835	-4.5%
72.8%	18,190	17,598	-591	-3.2%
74.1%	17,635	17,391	-244	-1.4%
75.3%	17,282	15,958	-1,324	-7.7%
76.5%	16,852	15,859	-993	-5.9%
77.8%	16,847	15,638	-1,209	-7.2%
79.0%	16,745	15,595	-1,150	-6.9%
80.2%	16,197	15,444	-753	-4.6%
81.5%	16,105	14,571	-1,534	-9.5%
82.7%	15,765	14,243	-1,522	-9.7%
84.0%	14,673	13,254	-1,419	-9.7%
85.2%	13,519	13,226	-293	-2.2%
86.4%	13,397	12,337	-1,060	-7.9%
87.7%	13,246	12,214	-1,031	-7.8%
88.9%	11,980	12,059	79	0.7%
90.1%	11,400	11,973	573	5.0%
91.4%	11,400	11,857	457	4.0%
92.6%	11,400	11,464	64	0.6%
93.8%	11,400	11,400	0	0.0%
95.1%	11,400	11,400	0	0.0%
96.3%	8,908	9,688	780	8.8%
97.5%	8,369	8,510	141	1.7%
98.8%	7,977	8,077	101	1.3%
100.0%	7,100	7,100	0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Outflow (CFS)	WSIP 2070 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	157,369	157,180	-189	-0.1%
1.2%	145,774	144,633	-1,141	-0.8%
2.5%	112,577	109,469	-3,108	-2.8%
3.7%	84,340	83,859	-480	-0.6%
4.9%	81,845	81,724	-120	-0.1%
6.2%	78,734	78,683	-50	-0.1%
7.4%	72,414	71,614	-800	-1.1%
8.6%	71,828	69,343	-2,486	-3.5%
9.9%	67,306	67,299	-7	0.0%
11.1%	67,234	67,197	-37	-0.1%
12.3%	58,921	55,912	-3,010	-5.1%
13.6%	50,943	48,507	-2,436	-4.8%
14.8%	48,966	45,650	-3,317	-6.8%
16.0%	44,001	43,981	-20	0.0%
17.3%	43,371	41,246	-2,124	-4.9%
18.5%	38,621	38,526	-95	-0.2%
19.8%	38,523	35,576	-2,947	-7.7%
21.0%	37,073	35,514	-1,560	-4.2%
22.2%	35,763	35,419	-343	-1.0%
23.5%	35,664	34,445	-1,219	-3.4%
24.7%	33,048	32,054	-994	-3.0%
25.9%	31,753	30,025	-1,728	-5.4%
27.2%	30,295	29,960	-335	-1.1%
28.4%	29,954	28,812	-1,142	-3.8%
29.6%	28,656	28,156	-500	-1.7%
30.9%	27,431	27,310	-121	-0.4%
32.1%	26,587	25,858	-729	-2.7%
33.3%	25,642	25,719	77	0.3%
34.6%	25,284	23,760	-1,525	-6.0%
35.8%	23,058	23,256	198	0.9%
37.0%	22,144	21,092	-1,052	-4.8%
38.3%	21,242	20,969	-274	-1.3%
39.5%	20,804	20,777	-27	-0.1%
40.7%	19,502	19,547	45	0.2%
42.0%	19,143	19,225	82	0.4%
43.2%	18,874	19,033	158	0.8%
44.4%	18,819	18,587	-231	-1.2%
45.7%	18,350	18,100	-250	-1.4%
46.9%	18,100	17,928	-172	-0.9%
48.1%	18,047	17,854	-193	-1.1%
49.4%	17,237	17,611	374	2.2%
50.6%	17,108	17,129	21	0.1%
51.9%	16,871	17,024	153	0.9%
53.1%	16,813	16,815	3	0.0%
54.3%	16,507	16,745	238	1.4%
55.6%	16,475	16,623	148	0.9%
56.8%	16,231	16,513	282	1.7%
58.0%	15,638	16,343	705	4.5%
59.3%	15,475	16,225	750	4.8%
60.5%	15,125	16,008	883	5.8%
61.7%	14,167	14,325	158	1.1%
63.0%	13,650	14,152	502	3.7%
64.2%	13,523	13,917	393	2.9%
65.4%	13,410	13,457	47	0.3%
66.7%	13,407	13,001	-406	-3.0%
67.9%	13,042	12,481	-561	-4.3%
69.1%	13,013	12,459	-553	-4.2%
70.4%	12,604	12,295	-309	-2.5%
71.6%	12,533	12,113	-420	-3.3%
72.8%	12,503	12,031	-472	-3.8%
74.1%	12,404	11,620	-784	-6.3%
75.3%	12,031	11,400	-631	-5.2%
76.5%	12,004	11,288	-716	-6.0%
77.8%	11,792	11,153	-639	-5.4%
79.0%	11,400	11,153	-247	-2.2%
80.2%	11,153	11,070	-83	-0.7%
81.5%	10,995	10,737	-258	-2.3%
82.7%	10,660	10,660	0	0.0%
84.0%	10,660	10,660	0	0.0%
85.2%	10,469	10,621	152	1.5%
86.4%	10,413	10,469	55	0.5%
87.7%	10,389	10,413	24	0.2%
88.9%	10,251	10,389	138	1.3%
90.1%	9,892	9,954	62	0.6%
91.4%	9,882	9,706	-176	-1.8%
92.6%	9,798	9,688	-110	-1.1%
93.8%	9,673	9,673	0	0.0%
95.1%	8,591	8,685	94	1.1%
96.3%	8,356	8,672	317	3.8%
97.5%	8,336	8,534	198	2.4%
98.8%	7,100	7,100	0	0.0%
100.0%	6,765	7,046	281	4.2%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Outflow (CFS)	WSIP 2070 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	60,327	57,513	-2,815	-4.7%
1.2%	44,862	46,060	1,197	2.7%
2.5%	36,133	36,108	-26	-0.1%
3.7%	32,490	31,993	-497	-1.5%
4.9%	30,128	30,791	663	2.2%
6.2%	29,448	28,326	-1,122	-3.8%
7.4%	28,646	28,163	-484	-1.7%
8.6%	28,169	27,496	-673	-2.4%
9.9%	27,614	26,894	-719	-2.6%
11.1%	23,978	23,652	-326	-1.4%
12.3%	21,761	21,788	27	0.1%
13.6%	21,440	20,583	-856	-4.0%
14.8%	20,813	19,748	-1,065	-5.1%
16.0%	20,051	18,879	-1,172	-5.8%
17.3%	19,199	18,464	-735	-3.8%
18.5%	18,879	17,975	-904	-4.8%
19.8%	17,904	17,670	-234	-1.3%
21.0%	17,669	16,892	-777	-4.4%
22.2%	17,148	16,573	-575	-3.4%
23.5%	16,981	16,418	-563	-3.3%
24.7%	16,573	16,367	-206	-1.2%
25.9%	15,169	15,141	-28	-0.2%
27.2%	15,091	14,876	-214	-1.4%
28.4%	14,685	14,685	0	0.0%
29.6%	14,024	14,309	286	2.0%
30.9%	13,841	13,851	10	0.1%
32.1%	13,770	13,844	74	0.5%
33.3%	13,659	13,681	22	0.2%
34.6%	13,025	13,564	539	4.1%
35.8%	12,956	12,869	-87	-0.7%
37.0%	12,936	12,690	-246	-1.9%
38.3%	12,468	12,258	-210	-1.7%
39.5%	12,266	12,219	-47	-0.4%
40.7%	12,016	11,656	-360	-3.0%
42.0%	11,856	11,622	-234	-2.0%
43.2%	11,549	11,568	19	0.2%
44.4%	11,199	11,315	116	1.0%
45.7%	11,193	11,312	119	1.1%
46.9%	11,161	11,258	97	0.9%
48.1%	11,138	11,161	23	0.2%
49.4%	11,125	11,080	-45	-0.4%
50.6%	11,095	11,009	-86	-0.8%
51.9%	10,683	10,946	263	2.5%
53.1%	10,598	10,917	319	3.0%
54.3%	10,339	10,915	576	5.6%
55.6%	10,297	10,741	443	4.3%
56.8%	10,267	10,732	465	4.5%
58.0%	10,198	10,639	441	4.3%
59.3%	10,102	10,636	534	5.3%
60.5%	10,009	10,464	455	4.5%
61.7%	9,897	10,322	425	4.3%
63.0%	9,874	10,163	289	2.9%
64.2%	9,746	10,136	390	4.0%
65.4%	9,585	10,102	518	5.4%
66.7%	9,539	9,961	422	4.4%
67.9%	9,518	9,775	257	2.7%
69.1%	9,496	9,746	250	2.6%
70.4%	9,245	9,737	492	5.3%
71.6%	9,065	9,543	478	5.3%
72.8%	8,995	9,132	137	1.5%
74.1%	8,852	9,097	245	2.8%
75.3%	8,833	9,002	169	1.9%
76.5%	8,807	8,998	192	2.2%
77.8%	8,590	8,688	98	1.1%
79.0%	8,536	8,589	52	0.6%
80.2%	8,483	8,476	-7	-0.1%
81.5%	8,385	8,331	-54	-0.6%
82.7%	8,316	8,248	-68	-0.8%
84.0%	8,215	8,210	-5	-0.1%
85.2%	8,210	7,884	-326	-4.0%
86.4%	7,377	7,377	0	0.0%
87.7%	7,295	7,261	-34	-0.5%
88.9%	7,239	7,239	0	0.0%
90.1%	7,158	7,202	44	0.6%
91.4%	7,100	7,100	0	0.0%
92.6%	7,100	7,100	0	0.0%
93.8%	7,100	7,100	0	0.0%
95.1%	6,719	6,719	0	0.0%
96.3%	4,284	4,054	-230	-5.4%
97.5%	4,000	4,000	0	0.0%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

Table SW-33-b

Sacramento/San Joaquin River Delta, Monthly Outflow

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Outflow (CFS)	WSIP 2070 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,953	25,902	949	3.8%
1.2%	12,371	14,507	2,136	17.3%
2.5%	12,354	12,811	456	3.7%
3.7%	12,109	11,868	-241	-2.0%
4.9%	12,087	11,826	-260	-2.2%
6.2%	10,797	10,750	-47	-0.4%
7.4%	10,686	10,653	-33	-0.3%
8.6%	10,355	10,583	228	2.2%
9.9%	10,302	10,453	151	1.5%
11.1%	10,276	10,363	87	0.8%
12.3%	10,198	10,354	155	1.5%
13.6%	10,167	10,275	108	1.1%
14.8%	10,125	10,274	149	1.5%
16.0%	9,952	10,167	215	2.2%
17.3%	9,935	9,914	-21	-0.2%
18.5%	9,746	9,863	116	1.2%
19.8%	9,445	9,761	316	3.3%
21.0%	8,731	9,651	920	10.5%
22.2%	8,593	9,624	1,031	12.0%
23.5%	8,579	9,528	950	11.1%
24.7%	8,489	9,405	916	10.8%
25.9%	8,483	9,377	895	10.5%
27.2%	8,442	9,226	784	9.3%
28.4%	8,412	9,103	691	8.2%
29.6%	8,402	8,836	434	5.2%
30.9%	8,379	8,834	455	5.4%
32.1%	8,350	8,624	274	3.3%
33.3%	8,332	8,590	258	3.1%
34.6%	8,327	8,587	260	3.1%
35.8%	8,255	8,551	296	3.6%
37.0%	8,218	8,547	329	4.0%
38.3%	8,163	8,427	264	3.2%
39.5%	8,145	8,401	255	3.1%
40.7%	8,115	8,350	235	2.9%
42.0%	7,813	8,321	509	6.5%
43.2%	7,803	8,174	371	4.8%
44.4%	7,766	8,139	373	4.8%
45.7%	7,728	8,078	350	4.5%
46.9%	7,695	8,062	367	4.8%
48.1%	7,625	8,048	423	5.5%
49.4%	7,530	8,040	510	6.8%
50.6%	7,490	8,035	545	7.3%
51.9%	7,295	8,023	728	10.0%
53.1%	7,284	7,821	537	7.4%
54.3%	7,243	7,813	569	7.9%
55.6%	7,161	7,801	640	8.9%
56.8%	7,100	7,660	560	7.9%
58.0%	7,100	7,625	525	7.4%
59.3%	7,100	7,625	525	7.4%
60.5%	7,100	7,530	430	6.1%
61.7%	7,100	7,502	402	5.7%
63.0%	7,100	7,422	322	4.5%
64.2%	7,100	7,420	320	4.5%
65.4%	7,100	7,404	304	4.3%
66.7%	7,100	7,249	149	2.1%
67.9%	7,100	7,226	126	1.8%
69.1%	7,100	7,100	0	0.0%
70.4%	7,100	7,100	0	0.0%
71.6%	7,100	7,100	0	0.0%
72.8%	7,100	7,100	0	0.0%
74.1%	7,100	7,100	0	0.0%
75.3%	7,100	7,100	0	0.0%
76.5%	7,100	7,100	0	0.0%
77.8%	7,100	7,100	0	0.0%
79.0%	7,100	7,100	0	0.0%
80.2%	7,100	7,100	0	0.0%
81.5%	7,100	7,100	0	0.0%
82.7%	7,100	7,100	0	0.0%
84.0%	7,100	7,100	0	0.0%
85.2%	7,100	7,100	0	0.0%
86.4%	7,100	7,100	0	0.0%
87.7%	7,031	7,100	69	1.0%
88.9%	6,965	7,100	135	1.9%
90.1%	6,888	6,888	0	0.0%
91.4%	6,765	6,765	0	0.0%
92.6%	6,273	6,273	0	0.0%
93.8%	5,625	5,625	0	0.0%
95.1%	5,550	5,550	0	0.0%
96.3%	4,982	5,130	148	3.0%
97.5%	4,700	5,092	392	8.4%
98.8%	4,453	4,871	418	9.4%
100.0%	4,444	4,683	239	5.4%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Outflow (CFS)	WSIP 2070 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,457	17,035	579	3.5%
1.2%	15,486	16,646	1,160	7.5%
2.5%	14,959	15,385	427	2.9%
3.7%	14,919	15,197	278	1.9%
4.9%	14,495	14,930	434	3.0%
6.2%	14,482	14,822	340	2.3%
7.4%	14,360	14,576	216	1.5%
8.6%	14,292	14,491	199	1.4%
9.9%	14,253	14,390	138	1.0%
11.1%	14,143	14,197	54	0.4%
12.3%	14,075	14,117	42	0.3%
13.6%	13,924	13,982	57	0.4%
14.8%	13,615	13,824	209	1.5%
16.0%	13,355	13,327	-28	-0.2%
17.3%	13,217	13,072	-145	-1.1%
18.5%	13,092	12,915	-177	-1.4%
19.8%	13,062	12,820	-242	-1.9%
21.0%	13,027	12,670	-357	-2.7%
22.2%	12,768	12,669	-99	-0.8%
23.5%	12,644	12,652	8	0.1%
24.7%	12,597	12,612	15	0.1%
25.9%	12,540	12,445	-94	-0.8%
27.2%	12,372	12,376	4	0.0%
28.4%	12,197	12,367	170	1.4%
29.6%	12,053	12,349	296	2.5%
30.9%	12,041	12,124	82	0.7%
32.1%	12,014	12,041	27	0.2%
33.3%	11,906	11,989	83	0.7%
34.6%	11,898	11,938	41	0.3%
35.8%	11,520	11,822	302	2.6%
37.0%	11,232	11,141	-91	-0.8%
38.3%	11,160	10,983	-177	-1.6%
39.5%	11,093	10,865	-228	-2.1%
40.7%	10,802	10,862	60	0.6%
42.0%	10,675	10,559	-116	-1.1%
43.2%	10,015	9,928	-86	-0.9%
44.4%	9,890	9,925	35	0.4%
45.7%	9,779	9,786	7	0.1%
46.9%	9,686	9,770	84	0.9%
48.1%	9,666	9,453	-214	-2.2%
49.4%	9,519	9,421	-99	-1.0%
50.6%	8,760	9,190	431	4.9%
51.9%	8,747	9,061	314	3.6%
53.1%	8,649	8,598	-51	-0.6%
54.3%	8,488	8,269	-220	-2.6%
55.6%	8,485	8,053	-432	-5.1%
56.8%	8,025	8,000	-25	-0.3%
58.0%	8,000	8,000	0	0.0%
59.3%	8,000	8,000	0	0.0%
60.5%	7,615	7,523	-92	-1.2%
61.7%	7,576	7,522	-55	-0.7%
63.0%	7,343	7,513	170	2.3%
64.2%	7,318	7,442	124	1.7%
65.4%	7,144	6,784	-359	-5.0%
66.7%	7,129	6,764	-365	-5.1%
67.9%	6,964	6,572	-392	-5.6%
69.1%	6,174	6,456	282	4.6%
70.4%	5,875	5,569	-307	-5.2%
71.6%	5,517	5,453	-64	-1.2%
72.8%	5,480	5,249	-231	-4.2%
74.1%	5,449	5,246	-203	-3.7%
75.3%	5,302	5,103	-199	-3.8%
76.5%	5,115	5,095	-19	-0.4%
77.8%	5,072	5,000	-72	-1.4%
79.0%	5,004	5,000	-4	-0.1%
80.2%	5,001	5,000	-1	0.0%
81.5%	5,000	5,000	0	0.0%
82.7%	5,000	5,000	0	0.0%
84.0%	5,000	5,000	0	0.0%
85.2%	5,000	5,000	0	0.0%
86.4%	5,000	5,000	0	0.0%
87.7%	4,733	4,881	148	3.1%
88.9%	4,655	4,871	216	4.6%
90.1%	4,492	4,742	249	5.5%
91.4%	4,052	4,255	203	5.0%
92.6%	4,000	4,056	56	1.4%
93.8%	4,000	4,000	0	0.0%
95.1%	4,000	4,000	0	0.0%
96.3%	4,000	4,000	0	0.0%
97.5%	4,000	4,000	0	0.0%
98.8%	4,000	4,000	0	0.0%
100.0%	4,000	4,000	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Outflow (CFS)	WSIP 2070 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,146	6,543	-603	-8.4%
1.2%	5,670	6,526	856	15.1%
2.5%	5,474	6,110	636	11.6%
3.7%	5,419	5,736	317	5.8%
4.9%	5,417	5,702	285	5.3%
6.2%	5,368	5,699	331	6.2%
7.4%	5,303	5,652	349	6.6%
8.6%	5,270	5,637	367	7.0%
9.9%	5,269	5,572	303	5.8%
11.1%	5,247	5,566	319	6.1%
12.3%	5,152	5,561	409	7.9%
13.6%	5,051	5,470	418	8.3%
14.8%	5,016	5,409	393	7.8%
16.0%	5,009	5,392	383	7.6%
17.3%	4,938	5,339	400	8.1%
18.5%	4,937	5,261	324	6.6%
19.8%	4,898	5,155	256	5.2%
21.0%	4,884	5,132	247	5.1%
22.2%	4,877	5,102	225	4.6%
23.5%	4,848	5,095	246	5.1%
24.7%	4,763	5,083	321	6.7%
25.9%	4,608	5,077	470	10.2%
27.2%	4,550	5,038	488	10.7%
28.4%	4,474	5,014	540	12.1%
29.6%	4,471	5,000	529	11.8%
30.9%	4,443	4,840	397	8.9%
32.1%	4,403	4,822	419	9.5%
33.3%	4,344	4,804	460	10.6%
34.6%	4,318	4,751	433	10.0%
35.8%	4,241	4,649	407	9.6%
37.0%	4,230	4,632	403	9.5%
38.3%	4,226	4,600	374	8.8%
39.5%	4,185	4,581	395	9.4%
40.7%	4,123	4,536	413	10.0%
42.0%	4,000	4,510	510	12.8%
43.2%	4,000	4,470	470	11.7%
44.4%	4,000	4,444	444	11.1%
45.7%	4,000	4,390	390	9.8%
46.9%	4,000	4,390	390	9.8%
48.1%	4,000	4,390	390	9.8%
49.4%	4,000	4,390	390	9.8%
50.6%	4,000	4,390	390	9.8%
51.9%	4,000	4,390	390	9.8%
53.1%	4,000	4,390	390	9.8%
54.3%	4,000	4,390	390	9.8%
55.6%	4,000	4,390	390	9.8%
56.8%	4,000	4,390	390	9.8%
58.0%	4,000	4,390	390	9.8%
59.3%	4,000	4,390	390	9.8%
60.5%	4,000	4,390	390	9.8%
61.7%	4,000	4,390	390	9.8%
63.0%	4,000	4,390	390	9.8%
64.2%	4,000	4,390	390	9.8%
65.4%	4,000	4,390	390	9.8%
66.7%	4,000	4,390	390	9.8%
67.9%	4,000	4,152	152	3.8%
69.1%	4,000	4,133	133	3.3%
70.4%	4,000	4,124	124	3.1%
71.6%	4,000	4,103	103	2.6%
72.8%	4,000	4,090	90	2.2%
74.1%	4,000	4,070	70	1.8%
75.3%	4,000	4,054	54	1.4%
76.5%	4,000	4,000	0	0.0%
77.8%	4,000	4,000	0	0.0%
79.0%	4,000	4,000	0	0.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	4,000	4,000	0	0.0%
85.2%	4,000	4,000	0	0.0%
86.4%	4,000	4,000	0	0.0%
87.7%	4,000	4,000	0	0.0%
88.9%	4,000	4,000	0	0.0%
90.1%	4,000	4,000	0	0.0%
91.4%	4,000	4,000	0	0.0%
92.6%	4,000	4,000	0	0.0%
93.8%	4,000	4,000	0	0.0%
95.1%	4,000	4,000	0	0.0%
96.3%	4,000	4,000	0	0.0%
97.5%	3,971	4,000	29	0.7%
98.8%	3,931	4,000	69	1.7%
100.0%	3,794	4,000	206	5.4%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Outflow (CFS)	WSIP 2070 With Project Monthly Outflow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,813	22,903	91	0.4%
1.2%	22,188	22,591	403	1.8%
2.5%	22,188	22,591	403	1.8%
3.7%	22,031	22,278	247	1.1%
4.9%	21,875	21,966	91	0.4%
6.2%	21,563	21,966	403	1.9%
7.4%	21,563	21,875	313	1.4%
8.6%	21,563	21,653	91	0.4%
9.9%	21,563	21,653	91	0.4%
11.1%	21,250	21,653	403	1.9%
12.3%	21,250	21,653	403	1.9%
13.6%	21,250	21,653	403	1.9%
14.8%	21,250	21,341	91	0.4%
16.0%	20,938	21,341	403	1.9%
17.3%	20,938	21,341	403	1.9%
18.5%	20,938	21,250	313	1.5%
19.8%	20,938	21,028	91	0.4%
21.0%	20,938	21,028	91	0.4%
22.2%	20,938	21,028	91	0.4%
23.5%	20,781	20,938	156	0.8%
24.7%	20,781	20,938	156	0.8%
25.9%	20,625	20,938	313	1.5%
27.2%	20,625	20,938	313	1.5%
28.4%	20,313	20,716	403	2.0%
29.6%	20,313	20,313	0	0.0%
30.9%	20,156	20,156	0	0.0%
32.1%	13,281	13,216	-65	-0.5%
33.3%	12,969	13,216	247	1.9%
34.6%	12,813	13,125	313	2.4%
35.8%	12,500	13,060	560	4.5%
37.0%	12,500	12,966	466	3.7%
38.3%	12,500	12,903	403	3.2%
39.5%	12,500	12,500	0	0.0%
40.7%	12,188	12,435	247	2.0%
42.0%	12,031	12,278	247	2.1%
43.2%	12,031	12,188	156	1.3%
44.4%	11,719	11,875	156	1.3%
45.7%	4,246	5,166	920	21.7%
46.9%	4,155	4,872	717	17.3%
48.1%	3,745	4,794	1,049	28.0%
49.4%	3,739	4,700	960	25.7%
50.6%	3,625	4,672	1,047	28.9%
51.9%	3,459	4,633	1,174	34.0%
53.1%	3,453	4,512	1,059	30.7%
54.3%	3,421	4,423	1,001	29.3%
55.6%	3,246	4,312	1,066	32.9%
56.8%	3,165	4,155	990	31.3%
58.0%	3,136	4,127	991	31.6%
59.3%	3,114	3,995	881	28.3%
60.5%	3,110	3,974	864	27.8%
61.7%	3,072	3,832	761	24.8%
63.0%	3,009	3,808	799	26.6%
64.2%	3,000	3,746	746	24.9%
65.4%	3,000	3,696	696	23.2%
66.7%	3,000	3,646	646	21.5%
67.9%	3,000	3,582	582	19.4%
69.1%	3,000	3,579	579	19.3%
70.4%	3,000	3,525	525	17.5%
71.6%	3,000	3,500	500	16.7%
72.8%	3,000	3,492	492	16.4%
74.1%	3,000	3,485	485	16.2%
75.3%	3,000	3,473	473	15.8%
76.5%	3,000	3,470	470	15.7%
77.8%	3,000	3,453	453	15.1%
79.0%	3,000	3,452	452	15.1%
80.2%	3,000	3,437	437	14.6%
81.5%	3,000	3,435	435	14.5%
82.7%	3,000	3,426	426	14.2%
84.0%	3,000	3,423	423	14.1%
85.2%	3,000	3,399	399	13.3%
86.4%	3,000	3,247	247	8.2%
87.7%	3,000	3,240	240	8.0%
88.9%	3,000	3,207	207	6.9%
90.1%	3,000	3,190	190	6.3%
91.4%	3,000	3,137	137	4.6%
92.6%	3,000	3,131	131	4.4%
93.8%	3,000	3,086	86	2.9%
95.1%	3,000	3,030	30	1.0%
96.3%	3,000	3,000	0	0.0%
97.5%	3,000	3,000	0	0.0%
98.8%	3,000	3,000	0	0.0%
100.0%	3,000	3,000	0	0.0%

Figure SW-34-b
Delta Cross Channel, Monthly Flow
Probability of Exceedance

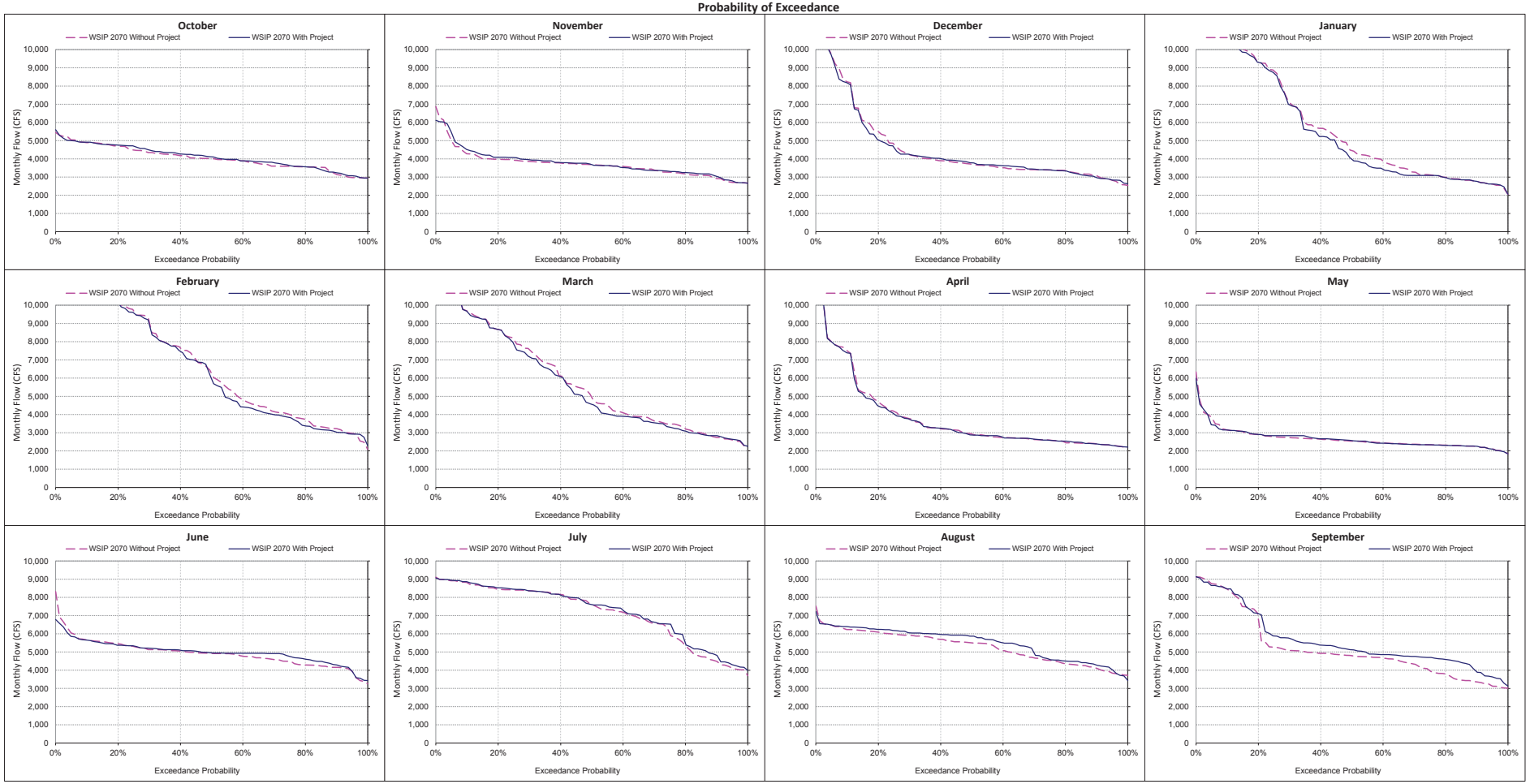


Table SW-34-b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,450	5,594	144	2.6%
1.2%	5,301	5,289	-13	-0.2%
2.5%	5,232	5,133	-99	-1.9%
3.7%	5,232	5,015	-216	-4.1%
4.9%	5,045	5,007	-38	-0.8%
6.2%	5,038	4,989	-49	-1.0%
7.4%	4,924	4,923	-1	0.0%
8.6%	4,920	4,921	2	0.0%
9.9%	4,892	4,920	28	0.6%
11.1%	4,891	4,911	20	0.4%
12.3%	4,884	4,875	-8	-0.2%
13.6%	4,863	4,828	-35	-0.7%
14.8%	4,837	4,807	-30	-0.6%
16.0%	4,828	4,787	-41	-0.8%
17.3%	4,766	4,787	21	0.4%
18.5%	4,718	4,774	56	1.2%
19.8%	4,702	4,755	53	1.1%
21.0%	4,692	4,748	56	1.2%
22.2%	4,682	4,737	54	1.2%
23.5%	4,548	4,712	164	3.6%
24.7%	4,492	4,710	218	4.9%
25.9%	4,466	4,643	176	3.9%
27.2%	4,458	4,579	122	2.7%
28.4%	4,429	4,575	146	3.3%
29.6%	4,349	4,499	150	3.4%
30.9%	4,346	4,451	104	2.4%
32.1%	4,299	4,402	103	2.4%
33.3%	4,293	4,398	105	2.4%
34.6%	4,263	4,352	89	2.1%
35.8%	4,255	4,352	97	2.3%
37.0%	4,231	4,338	108	2.5%
38.3%	4,228	4,325	97	2.3%
39.5%	4,185	4,277	92	2.2%
40.7%	4,169	4,266	97	2.3%
42.0%	4,166	4,244	78	1.9%
43.2%	4,054	4,240	186	4.6%
44.4%	4,046	4,208	162	4.0%
45.7%	4,044	4,204	160	4.0%
46.9%	4,023	4,188	165	4.1%
48.1%	4,023	4,151	129	3.2%
49.4%	4,014	4,120	106	2.6%
50.6%	4,010	4,105	95	2.4%
51.9%	3,964	4,037	74	1.9%
53.1%	3,961	4,009	47	1.2%
54.3%	3,951	3,981	30	0.8%
55.6%	3,947	3,971	24	0.6%
56.8%	3,932	3,969	38	1.0%
58.0%	3,927	3,968	41	1.0%
59.3%	3,892	3,888	-4	-0.1%
60.5%	3,883	3,886	2	0.1%
61.7%	3,826	3,882	56	1.5%
63.0%	3,803	3,875	72	1.9%
64.2%	3,776	3,849	73	1.9%
65.4%	3,724	3,844	119	3.2%
66.7%	3,700	3,835	135	3.6%
67.9%	3,686	3,824	138	3.7%
69.1%	3,601	3,824	222	6.2%
70.4%	3,600	3,780	180	5.0%
71.6%	3,597	3,747	150	4.2%
72.8%	3,596	3,700	105	2.9%
74.1%	3,595	3,678	83	2.3%
75.3%	3,588	3,622	34	0.9%
76.5%	3,578	3,591	13	0.4%
77.8%	3,568	3,585	17	0.5%
79.0%	3,566	3,571	5	0.1%
80.2%	3,562	3,559	-3	-0.1%
81.5%	3,560	3,551	-9	-0.3%
82.7%	3,551	3,545	-6	-0.2%
84.0%	3,542	3,480	-61	-1.7%
85.2%	3,537	3,405	-133	-3.8%
86.4%	3,524	3,332	-192	-5.4%
87.7%	3,332	3,282	-50	-1.5%
88.9%	3,239	3,279	41	1.3%
90.1%	3,133	3,226	92	2.9%
91.4%	3,102	3,210	107	3.5%
92.6%	3,076	3,138	62	2.0%
93.8%	2,993	3,076	83	2.8%
95.1%	2,974	3,070	96	3.2%
96.3%	2,967	3,051	85	2.8%
97.5%	2,961	2,974	13	0.4%
98.8%	2,948	2,947	-1	0.0%
100.0%	2,944	2,944	0	0.0%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,871	6,112	-758	-11.0%
1.2%	6,265	6,049	-217	-3.5%
2.5%	6,134	6,028	-106	-1.7%
3.7%	5,491	5,908	417	7.6%
4.9%	5,018	5,477	459	9.1%
6.2%	4,677	4,930	253	5.4%
7.4%	4,670	4,802	132	2.8%
8.6%	4,443	4,669	227	5.1%
9.9%	4,280	4,517	237	5.5%
11.1%	4,271	4,445	174	4.1%
12.3%	4,247	4,396	149	3.5%
13.6%	4,135	4,298	162	3.9%
14.8%	4,013	4,228	215	5.4%
16.0%	4,006	4,199	193	4.8%
17.3%	4,002	4,197	195	4.9%
18.5%	3,980	4,092	112	2.8%
19.8%	3,977	4,090	113	2.8%
21.0%	3,969	4,087	118	3.0%
22.2%	3,966	4,084	118	3.0%
23.5%	3,963	4,075	112	2.8%
24.7%	3,927	4,069	141	3.6%
25.9%	3,917	4,060	143	3.7%
27.2%	3,887	3,989	102	2.6%
28.4%	3,865	3,977	112	2.9%
29.6%	3,861	3,956	95	2.5%
30.9%	3,851	3,932	81	2.1%
32.1%	3,833	3,930	98	2.5%
33.3%	3,831	3,923	92	2.4%
34.6%	3,804	3,894	90	2.4%
35.8%	3,801	3,893	92	2.4%
37.0%	3,788	3,883	95	2.5%
38.3%	3,787	3,808	22	0.6%
39.5%	3,782	3,806	24	0.6%
40.7%	3,752	3,796	44	1.2%
42.0%	3,744	3,787	43	1.1%
43.2%	3,743	3,768	26	0.7%
44.4%	3,742	3,764	22	0.6%
45.7%	3,703	3,763	60	1.6%
46.9%	3,701	3,759	58	1.6%
48.1%	3,697	3,756	59	1.6%
49.4%	3,690	3,718	28	0.8%
50.6%	3,680	3,653	-27	-0.7%
51.9%	3,658	3,639	-19	-0.5%
53.1%	3,649	3,636	-13	-0.3%
54.3%	3,620	3,633	13	0.4%
55.6%	3,618	3,630	12	0.3%
56.8%	3,608	3,601	-8	-0.2%
58.0%	3,608	3,600	-8	-0.2%
59.3%	3,591	3,536	-55	-1.5%
60.5%	3,573	3,520	-52	-1.5%
61.7%	3,559	3,506	-53	-1.5%
63.0%	3,515	3,446	-69	-2.0%
64.2%	3,463	3,445	-18	-0.5%
65.4%	3,459	3,435	-24	-0.7%
66.7%	3,454	3,387	-67	-1.9%
67.9%	3,442	3,382	-60	-1.8%
69.1%	3,441	3,365	-76	-2.2%
70.4%	3,361	3,363	2	0.1%
71.6%	3,336	3,355	19	0.6%
72.8%	3,278	3,345	67	2.0%
74.1%	3,272	3,329	57	1.7%
75.3%	3,263	3,310	47	1.4%
76.5%	3,234	3,297	62	1.9%
77.8%	3,234	3,290	57	1.8%
79.0%	3,197	3,249	51	1.6%
80.2%	3,167	3,243	77	2.4%
81.5%	3,126	3,233	107	3.4%
82.7%	3,107	3,218	110	3.6%
84.0%	3,100	3,192	92	3.0%
85.2%	3,098	3,182	85	2.7%
86.4%	3,094	3,180	85	2.8%
87.7%	3,079	3,170	91	3.0%
88.9%	2,949	3,098	149	5.0%
90.1%	2,914	3,039	125	4.3%
91.4%	2,907	2,961	55	1.9%
92.6%	2,793	2,853	60	2.2%
93.8%	2,740	2,833	93	3.4%
95.1%	2,705	2,796	90	3.3%
96.3%	2,705	2,700	-5	-0.2%
97.5%	2,687	2,691	4	0.2%
98.8%	2,680	2,687	6	0.2%
100.0%	2,672	2,668	-4	-0.1%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,570	11,567	-3	0.0%
1.2%	11,229	11,197	-31	-0.3%
2.5%	10,588	10,545	-43	-0.4%
3.7%	10,194	10,141	-52	-0.5%
4.9%	9,744	9,705	-39	-0.4%
6.2%	9,215	9,065	-150	-1.6%
7.4%	8,977	8,380	-597	-6.7%
8.6%	8,411	8,249	-162	-1.9%
9.9%	8,235	8,186	-49	-0.6%
11.1%	8,184	8,074	-111	-1.4%
12.3%	6,799	6,746	-53	-0.8%
13.6%	6,788	6,674	-114	-1.7%
14.8%	6,110	5,990	-120	-2.0%
16.0%	6,055	5,696	-358	-5.9%
17.3%	5,919	5,378	-541	-9.1%
18.5%	5,599	5,359	-240	-4.3%
19.8%	5,530	5,059	-471	-8.5%
21.0%	5,354	4,952	-402	-7.5%
22.2%	5,287	4,875	-412	-7.8%
23.5%	4,877	4,736	-141	-2.9%
24.7%	4,859	4,723	-136	-2.8%
25.9%	4,650	4,420	-230	-4.9%
27.2%	4,452	4,266	-186	-4.2%
28.4%	4,360	4,260	-101	-2.3%
29.6%	4,246	4,256	10	0.2%
30.9%	4,186	4,199	13	0.3%
32.1%	4,162	4,169	7	0.2%
33.3%	4,043	4,145	102	2.5%
34.6%	4,024	4,116	92	2.3%
35.8%	4,008	4,088	80	2.0%
37.0%	4,007	4,046	39	1.0%
38.3%	3,941	4,038	96	2.4%
39.5%	3,899	4,030	131	3.4%
40.7%	3,896	3,994	97	2.5%
42.0%	3,885	3,933	48	1.2%
43.2%	3,844	3,930	87	2.3%
44.4%	3,810	3,920	111	2.9%
45.7%	3,785	3,895	110	2.9%
46.9%	3,776	3,867	91	2.4%
48.1%	3,741	3,845	105	2.8%
49.4%	3,721	3,791	70	1.9%
50.6%	3,679	3,779	100	2.7%
51.9%	3,659	3,690	31	0.9%
53.1%	3,648	3,687	39	1.1%
54.3%	3,635	3,678	43	1.2%
55.6%	3,614	3,677	63	1.7%
56.8%	3,598	3,677	79	2.2%
58.0%	3,544	3,644	100	2.8%
59.3%	3,521	3,633	112	3.2%
60.5%	3,510	3,612	103	2.9%
61.7%	3,462	3,612	150	4.3%
63.0%	3,459	3,590	131	3.8%
64.2%	3,435	3,577	142	4.1%
65.4%	3,420	3,560	141	4.1%
66.7%	3,419	3,553	134	3.9%
67.9%	3,416	3,443	27	0.8%
69.1%	3,408	3,440	32	0.9%
70.4%	3,405	3,432	27	0.8%
71.6%	3,398	3,406	8	0.2%
72.8%	3,397	3,405	8	0.2%
74.1%	3,392	3,402	11	0.3%
75.3%	3,392	3,395	3	0.1%
76.5%	3,381	3,367	-13	-0.4%
77.8%	3,376	3,352	-23	-0.7%
79.0%	3,370	3,347	-23	-0.7%
80.2%	3,359	3,327	-32	-1.0%
81.5%	3,281	3,267	-14	-0.4%
82.7%	3,250	3,225	-25	-0.8%
84.0%	3,203	3,177	-26	-0.8%
85.2%	3,186	3,122	-64	-2.0%
86.4%	3,163	3,084	-79	-2.5%
87.7%	3,162	3,054	-108	-3.4%
88.9%	3,088	3,054	-35	-1.1%
90.1%	3,065	2,966	-99	-3.2%
91.4%	2,958	2,918	-40	-1.4%
92.6%	2,922	2,912	-9	-0.3%
93.8%	2,884	2,888	4	0.1%
95.1%	2,823	2,835	12	0.4%
96.3%	2,764	2,835	71	2.6%
97.5%	2,585	2,813	228	8.8%
98.8%	2,578	2,654	77	3.0%
100.0%	2,543	2,634	91	3.6%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,584	11,558	-27	-0.2%
1.2%	11,476	11,467	-8	-0.1%
2.5%	11,368	11,395	27	0.2%
3.7%	11,164	11,161	-3	0.0%
4.9%	11,121	11,120	-2	0.0%
6.2%	10,999	10,999	0	0.0%
7.4%	10,997	10,945	-52	-0.5%
8.6%	10,485	10,376	-109	-1.0%
9.9%	10,360	10,301	-59	-0.6%
11.1%	10,293	10,282	-11	-0.1%
12.3%	10,222	10,244	22	0.2%
13.6%	10,081	10,070	-11	-0.1%
14.8%	10,049	9,869	-180	-1.8%
16.0%	9,958	9,839	-119	-1.2%
17.3%	9,855	9,688	-167	-1.7%
18.5%	9,667	9,585	-82	-0.8%
19.8%	9,309	9,315	6	0.1%
21.0%	9,257	9,271	14	0.2%
22.2%	9,250	9,014	-236	-2.6%
23.5%	8,918	8,852	-65	-0.7%
24.7%	8,884	8,756	-127	-1.4%
25.9%	8,692	8,551	-141	-1.6%
27.2%	8,171	7,971	-201	-2.5%
28.4%	7,619	7,604	-14	-0.2%
29.6%	7,150	6,997	-153	-2.1%
30.9%	6,948	6,905	-44	-0.6%
32.1%	6,832	6,863	32	0.5%
33.3%	6,744	6,601	-143	-2.1%
34.6%	6,025	5,633	-393	-6.5%
35.8%	5,876	5,593	-283	-4.8%
37.0%	5,870	5,564	-306	-5.2%
38.3%	5,714	5,505	-209	-3.7%
39.5%	5,678	5,232	-446	-7.9%
40.7%	5,674	5,228	-447	-7.9%
42.0%	5,575	5,200	-375	-6.7%
43.2%	5,446	5,048	-398	-7.3%
44.4%	5,285	5,039	-246	-4.6%
45.7%	5,108	4,576	-532	-10.4%
46.9%	4,939	4,502	-437	-8.9%
48.1%	4,902	4,364	-539	-11.0%
49.4%	4,486	4,065	-421	-9.4%
50.6%	4,422	3,890	-532	-12.0%
51.9%	4,247	3,880	-367	-8.6%
53.1%	4,227	3,786	-440	-10.4%
54.3%	4,206	3,760	-445	-10.6%
55.6%	4,154	3,584	-570	-13.7%
56.8%	4,037	3,514	-524	-13.0%
58.0%	4,012	3,495	-517	-12.9%
59.3%	3,983	3,490	-493	-12.4%
60.5%	3,802	3,376	-426	-11.2%
61.7%	3,732	3,353	-379	-10.2%
63.0%	3,660	3,289	-371	-10.1%
64.2%	3,632	3,270	-362	-10.0%
65.4%	3,504	3,161	-343	-9.8%
66.7%	3,487	3,109	-378	-10.8%
67.9%	3,432	3,090	-342	-10.0%
69.1%	3,284	3,090	-194	-5.9%
70.4%	3,267	3,090	-176	-5.4%
71.6%	3,138	3,090	-48	-1.5%
72.8%	3,136	3,090	-46	-1.5%
74.1%	3,135	3,090	-45	-1.4%
75.3%	3,115	3,090	-25	-0.8%
76.5%	3,080	3,090	11	0.3%
77.8%	3,075	3,075	0	0.0%
79.0%	2,999	3,006	6	0.2%
80.2%	2,982	2,963	-19	-0.6%
81.5%	2,923	2,894	-29	-1.0%
82.7%	2,901	2,875	-26	-0.9%
84.0%	2,896	2,875	-21	-0.7%
85.2%	2,862	2,848	-14	-0.5%
86.4%	2,827	2,848	20	0.7%
87.7%	2,827	2,840	13	0.5%
88.9%	2,794	2,797	3	0.1%
90.1%	2,748	2,759	11	0.4%
91.4%	2,700	2,686	-14	-0.5%
92.6%	2,674	2,680	6	0.2%
93.8%	2,621	2,622	1	0.1%
95.1%	2,613	2,613	-1	0.0%
96.3%	2,547	2,603	55	2.2%
97.5%	2,545	2,566	21	0.8%
98.8%	2,373	2,462	89	3.8%
100.0%	2,049	2,058	9	0.4%

Table SW-34-b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,723	11,719	-3	0.0%
1.2%	11,699	11,697	-2	0.0%
2.5%	11,658	11,658	1	0.0%
3.7%	11,649	11,642	-7	-0.1%
4.9%	11,408	11,411	4	0.0%
6.2%	11,375	11,379	4	0.0%
7.4%	11,225	11,222	-3	0.0%
8.6%	11,062	11,077	14	0.1%
9.9%	10,995	11,005	9	0.1%
11.1%	10,834	10,790	-43	-0.4%
12.3%	10,741	10,743	2	0.0%
13.6%	10,701	10,673	-28	-0.3%
14.8%	10,608	10,615	7	0.1%
16.0%	10,572	10,571	-1	0.0%
17.3%	10,535	10,425	-111	-1.1%
18.5%	10,344	10,318	-26	-0.3%
19.8%	10,301	10,249	-52	-0.5%
21.0%	10,010	9,918	-92	-0.9%
22.2%	9,958	9,834	-124	-1.2%
23.5%	9,821	9,631	-190	-1.9%
24.7%	9,776	9,613	-163	-1.7%
25.9%	9,459	9,458	-1	0.0%
27.2%	9,459	9,430	-29	-0.3%
28.4%	9,442	9,293	-149	-1.6%
29.6%	9,336	9,204	-131	-1.4%
30.9%	8,490	8,367	-123	-1.4%
32.1%	8,446	8,244	-202	-2.4%
33.3%	8,067	8,060	-7	-0.1%
34.6%	7,995	7,985	-10	-0.1%
35.8%	7,901	7,883	-18	-0.2%
37.0%	7,782	7,766	-16	-0.2%
38.3%	7,779	7,746	-33	-0.4%
39.5%	7,737	7,513	-224	-2.9%
40.7%	7,524	7,392	-132	-1.8%
42.0%	7,524	7,072	-452	-6.0%
43.2%	7,396	7,014	-382	-5.2%
44.4%	7,126	6,997	-129	-1.8%
45.7%	6,855	6,871	16	0.2%
46.9%	6,793	6,857	63	0.9%
48.1%	6,653	6,769	115	1.7%
49.4%	6,440	6,208	-232	-3.6%
50.6%	6,030	5,699	-330	-5.5%
51.9%	5,909	5,575	-334	-5.7%
53.1%	5,763	5,487	-277	-4.8%
54.3%	5,556	4,956	-599	-10.8%
55.6%	5,385	4,898	-487	-9.0%
56.8%	5,293	4,758	-535	-10.1%
58.0%	5,035	4,720	-315	-6.3%
59.3%	4,882	4,426	-456	-9.3%
60.5%	4,760	4,405	-355	-7.5%
61.7%	4,662	4,373	-289	-6.2%
63.0%	4,571	4,334	-237	-5.2%
64.2%	4,547	4,245	-303	-6.7%
65.4%	4,452	4,189	-262	-5.9%
66.7%	4,432	4,114	-318	-7.2%
67.9%	4,379	4,062	-316	-7.2%
69.1%	4,204	4,019	-185	-4.4%
70.4%	4,145	3,983	-162	-3.9%
71.6%	4,105	3,969	-136	-3.3%
72.8%	4,104	3,915	-189	-4.6%
74.1%	4,050	3,860	-191	-4.7%
75.3%	3,986	3,824	-162	-4.1%
76.5%	3,842	3,701	-141	-3.7%
77.8%	3,811	3,598	-213	-5.6%
79.0%	3,775	3,405	-370	-9.8%
80.2%	3,732	3,367	-365	-9.8%
81.5%	3,585	3,360	-225	-6.3%
82.7%	3,373	3,220	-153	-4.5%
84.0%	3,357	3,191	-166	-5.0%
85.2%	3,321	3,161	-160	-4.8%
86.4%	3,291	3,150	-141	-4.3%
87.7%	3,249	3,140	-109	-3.3%
88.9%	3,239	3,103	-136	-4.2%
90.1%	3,221	3,029	-192	-6.0%
91.4%	3,163	3,014	-149	-4.7%
92.6%	3,017	3,012	-5	-0.1%
93.8%	2,991	2,938	-53	-1.8%
95.1%	2,959	2,926	-32	-1.1%
96.3%	2,930	2,919	-11	-0.4%
97.5%	2,547	2,918	371	14.6%
98.8%	2,486	2,748	262	10.5%
100.0%	2,084	2,304	220	10.6%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,416	11,414	-2	0.0%
1.2%	11,076	11,047	-29	-0.3%
2.5%	11,048	11,017	-31	-0.3%
3.7%	11,026	10,998	-28	-0.3%
4.9%	10,931	10,876	-54	-0.5%
6.2%	10,809	10,809	0	0.0%
7.4%	10,568	10,501	-68	-0.6%
8.6%	9,778	9,778	0	0.0%
9.9%	9,697	9,683	-13	-0.1%
11.1%	9,581	9,444	-137	-1.4%
12.3%	9,444	9,356	-88	-0.9%
13.6%	9,347	9,322	-26	-0.3%
14.8%	9,243	9,243	0	0.0%
16.0%	9,234	9,234	0	0.0%
17.3%	8,951	8,760	-191	-2.1%
18.5%	8,726	8,746	19	0.2%
19.8%	8,677	8,677	0	0.0%
21.0%	8,636	8,636	-1	0.0%
22.2%	8,334	8,333	-2	0.0%
23.5%	8,260	8,184	-76	-0.9%
24.7%	8,219	7,975	-244	-3.0%
25.9%	7,874	7,547	-326	-4.1%
27.2%	7,832	7,489	-343	-4.4%
28.4%	7,641	7,417	-224	-2.9%
29.6%	7,625	7,204	-420	-5.5%
30.9%	7,421	7,088	-333	-4.5%
32.1%	7,242	7,067	-175	-2.4%
33.3%	7,038	6,754	-283	-4.0%
34.6%	6,848	6,612	-236	-3.4%
35.8%	6,821	6,540	-281	-4.1%
37.0%	6,743	6,418	-325	-4.8%
38.3%	6,655	6,180	-474	-7.1%
39.5%	6,132	6,110	-22	-0.4%
40.7%	6,090	6,024	-66	-1.1%
42.0%	5,703	5,634	-69	-1.2%
43.2%	5,686	5,433	-252	-4.4%
44.4%	5,563	5,117	-446	-8.0%
45.7%	5,489	5,093	-396	-7.2%
46.9%	5,439	5,042	-397	-7.3%
48.1%	5,367	4,673	-695	-12.9%
49.4%	5,126	4,600	-526	-10.3%
50.6%	4,748	4,520	-229	-4.8%
51.9%	4,627	4,392	-235	-5.1%
53.1%	4,593	4,080	-512	-11.2%
54.3%	4,587	4,052	-535	-11.7%
55.6%	4,430	4,007	-423	-9.5%
56.8%	4,216	3,972	-243	-5.8%
58.0%	4,156	3,915	-241	-5.8%
59.3%	4,140	3,906	-234	-5.7%
60.5%	4,064	3,900	-165	-4.1%
61.7%	3,988	3,885	-103	-2.6%
63.0%	3,913	3,859	-54	-1.4%
64.2%	3,892	3,839	-53	-1.4%
65.4%	3,883	3,806	-77	-2.0%
66.7%	3,869	3,627	-242	-6.2%
67.9%	3,841	3,619	-221	-5.8%
69.1%	3,719	3,567	-151	-4.1%
70.4%	3,617	3,536	-81	-2.2%
71.6%	3,610	3,512	-98	-2.7%
72.8%	3,548	3,489	-59	-1.7%
74.1%	3,483	3,344	-140	-4.0%
75.3%	3,475	3,300	-175	-5.0%
76.5%	3,475	3,236	-238	-6.9%
77.8%	3,417	3,204	-213	-6.2%
79.0%	3,335	3,118	-217	-6.5%
80.2%	3,194	3,079	-115	-3.6%
81.5%	3,146	3,003	-143	-4.5%
82.7%	3,054	2,983	-72	-2.3%
84.0%	3,016	2,966	-50	-1.7%
85.2%	2,986	2,907	-79	-2.6%
86.4%	2,919	2,867	-52	-1.8%
87.7%	2,869	2,835	-35	-1.2%
88.9%	2,779	2,835	55	2.0%
90.1%	2,741	2,835	94	3.4%
91.4%	2,739	2,776	37	1.4%
92.6%	2,663	2,716	53	2.0%
93.8%	2,654	2,662	8	0.3%
95.1%	2,604	2,634	30	1.2%
96.3%	2,543	2,618	75	2.9%
97.5%	2,524	2,568	44	1.7%
98.8%	2,281	2,315	34	1.5%
100.0%	2,274	2,250	-24	-1.0%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,158	11,146	-12	-0.1%
1.2%	11,127	11,126	-1	0.0%
2.5%	10,065	10,003	-62	-0.6%
3.7%	8,224	8,169	-55	-0.7%
4.9%	8,009	8,008	-1	0.0%
6.2%	7,839	7,819	-20	-0.3%
7.4%	7,729	7,720	-8	-0.1%
8.6%	7,701	7,515	-187	-2.4%
9.9%	7,518	7,383	-135	-1.8%
11.1%	7,359	7,362	3	0.0%
12.3%	6,333	5,952	-381	-6.0%
13.6%	5,357	5,274	-82	-1.5%
14.8%	5,236	5,158	-79	-1.5%
16.0%	5,171	4,901	-270	-5.2%
17.3%	5,115	4,864	-251	-4.9%
18.5%	4,867	4,779	-88	-1.8%
19.8%	4,736	4,500	-235	-5.0%
21.0%	4,558	4,397	-161	-3.5%
22.2%	4,421	4,372	-48	-1.1%
23.5%	4,226	4,201	-25	-0.6%
24.7%	4,201	4,084	-117	-2.8%
25.9%	4,097	3,924	-173	-4.2%
27.2%	3,890	3,891	1	0.0%
28.4%	3,848	3,800	-49	-1.3%
29.6%	3,790	3,762	-28	-0.7%
30.9%	3,742	3,665	-77	-2.1%
32.1%	3,591	3,659	68	1.9%
33.3%	3,579	3,572	-8	-0.2%
34.6%	3,430	3,333	-97	-2.8%
35.8%	3,278	3,322	43	1.3%
37.0%	3,274	3,276	2	0.1%
38.3%	3,274	3,266	-7	-0.2%
39.5%	3,232	3,248	16	0.5%
40.7%	3,203	3,244	41	1.3%
42.0%	3,202	3,213	11	0.3%
43.2%	3,200	3,188	-12	-0.4%
44.4%	3,153	3,098	-55	-1.7%
45.7%	3,132	3,017	-115	-3.7%
46.9%	3,031	2,991	-40	-1.3%
48.1%	2,965	2,947	-18	-0.6%
49.4%	2,957	2,877	-81	-2.7%
50.6%	2,890	2,872	-18	-0.6%
51.9%	2,886	2,863	-23	-0.8%
53.1%	2,883	2,835	-48	-1.7%
54.3%	2,845	2,835	-11	-0.4%
55.6%	2,798	2,835	36	1.3%
56.8%	2,771	2,835	63	2.3%
58.0%	2,766	2,835	68	2.5%
59.3%	2,740	2,793	54	2.0%
60.5%	2,737	2,715	-22	-0.8%
61.7%	2,728	2,710	-17	-0.6%
63.0%	2,716	2,709	-7	-0.3%
64.2%	2,715	2,701	-14	-0.5%
65.4%	2,708	2,699	-9	-0.3%
66.7%	2,696	2,696	0	0.0%
67.9%	2,671	2,693	21	0.8%
69.1%	2,631	2,664	34	1.3%
70.4%	2,625	2,634	9	0.3%
71.6%	2,614	2,624	10	0.4%
72.8%	2,613	2,598	-14	-0.5%
74.1%	2,610	2,596	-14	-0.5%
75.3%	2,587	2,582	-5	-0.2%
76.5%	2,566	2,564	-2	-0.1%
77.8%	2,560	2,544	-17	-0.7%
79.0%	2,537	2,540	2	0.1%
80.2%	2,448	2,536	88	3.6%
81.5%	2,447	2,505	58	2.4%
82.7%	2,444	2,485	41	1.7%
84.0%	2,436	2,477	40	1.7%
85.2%	2,424	2,473	49	2.0%
86.4%	2,423	2,416	-7	-0.3%
87.7%	2,421	2,412	-8	-0.3%
88.9%	2,413	2,396	-17	-0.7%
90.1%	2,389	2,389	0	0.0%
91.4%	2,356	2,348	-9	-0.4%
92.6%	2,350	2,344	-7	-0.3%
93.8%	2,324	2,334	9	0.4%
95.1%	2,294	2,294	0	0.0%
96.3%	2,283	2,276	-7	-0.3%
97.5%	2,248	2,239	-9	-0.4%
98.8%	2,215	2,230	15	0.7%
100.0%	2,164	2,208	44	2.0%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,344	5,995	-349	-5.5%
1.2%	4,790	4,559	-231	-4.8%
2.5%	4,116	4,280	164	4.0%
3.7%	4,005	4,011	5	0.1%
4.9%	3,860	3,441	-419	-10.9%
6.2%	3,495	3,415	-80	-2.3%
7.4%	3,448	3,211	-237	-6.9%
8.6%	3,208	3,158	-50	-1.6%
9.9%	3,156	3,155	0	0.0%
11.1%	3,125	3,125	0	0.0%
12.3%	3,123	3,123	0	0.0%
13.6%	3,109	3,088	-21	-0.7%
14.8%	3,068	3,088	20	0.7%
16.0%	2,981	3,059	78	2.6%
17.3%	2,931	2,968	37	1.2%
18.5%	2,924	2,931	7	0.2%
19.8%	2,900	2,910	10	0.3%
21.0%	2,883	2,903	20	0.7%
22.2%	2,825	2,845	19	0.7%
23.5%	2,809	2,844	36	1.3%
24.7%	2,788	2,835	46	1.7%
25.9%	2,765	2,835	69	2.5%
27.2%	2,755	2,835	80	2.9%
28.4%	2,751	2,835	83	3.0%
29.6%	2,738	2,835	96	3.5%
30.9%	2,725	2,835	110	4.0%
32.1%	2,718	2,835	116	4.3%
33.3%	2,693	2,835	141	5.2%
34.6%	2,691	2,835	143	5.3%
35.8%	2,678	2,786	108	4.0%
37.0%	2,667	2,725	58	2.2%
38.3%	2,661	2,692	30	1.1%
39.5%	2,655	2,667	12	0.5%
40.7%	2,633	2,667	35	1.3%
42.0%	2,632	2,661	29	1.1%
43.2%	2,625	2,660	35	1.3%
44.4%	2,589	2,646	57	2.2%
45.7%	2,576	2,627	51	2.0%
46.9%	2,565	2,615	49	1.9%
48.1%	2,564	2,600	36	1.4%
49.4%	2,541	2,590	49	1.9%
50.6%	2,537	2,551	15	0.6%
51.9%	2,536	2,547	11	0.4%
53.1%	2,516	2,542	26	1.0%
54.3%	2,490	2,535	45	1.8%
55.6%	2,489	2,486	-3	-0.1%
56.8%	2,487	2,454	-33	-1.3%
58.0%	2,461	2,425	-36	-1.5%
59.3%	2,454	2,424	-31	-1.3%
60.5%	2,432	2,420	-11	-0.5%
61.7%	2,426	2,412	-14	-0.6%
63.0%	2,414	2,396	-18	-0.7%
64.2%	2,408	2,396	-12	-0.5%
65.4%	2,408	2,384	-24	-1.0%
66.7%	2,384	2,367	-16	-0.7%
67.9%	2,374	2,367	-7	-0.3%
69.1%	2,367	2,361	-6	-0.2%
70.4%	2,367	2,354	-14	-0.6%
71.6%	2,361	2,342	-19	-0.8%
72.8%	2,356	2,341	-14	-0.6%
74.1%	2,343	2,339	-4	-0.2%
75.3%	2,336	2,335	-1	0.0%
76.5%	2,333	2,328	-5	-0.2%
77.8%	2,325	2,324	0	0.0%
79.0%	2,323	2,317	-6	-0.3%
80.2%	2,317	2,315	-2	-0.1%
81.5%	2,309	2,303	-6	-0.2%
82.7%	2,306	2,302	-4	-0.2%
84.0%	2,297	2,297	0	0.0%
85.2%	2,281	2,281	0	0.0%
86.4%	2,275	2,269	-5	-0.2%
87.7%	2,269	2,268	-1	0.0%
88.9%	2,267	2,264	-4	-0.2%
90.1%	2,257	2,256	-2	-0.1%
91.4%	2,193	2,194	1	0.0%
92.6%	2,191	2,194	3	0.1%
93.8%	2,139	2,133	-6	-0.3%
95.1%	2,120	2,092	-28	-1.3%
96.3%	2,029	2,029	0	0.0%
97.5%	2,028	1,998	-29	-1.5%
98.8%	1,958	1,962	4	0.2%
100.0%	1,846	1,844	-2	-0.1%

Table SW-34-b

Delta Cross Channel, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,319	6,784	-1,535	-18.5%
1.2%	6,928	6,576	-352	-5.1%
2.5%	6,655	6,364	-291	-4.4%
3.7%	6,345	6,065	-280	-4.4%
4.9%	6,051	5,849	-202	-3.3%
6.2%	5,967	5,823	-144	-2.4%
7.4%	5,725	5,706	-19	-0.3%
8.6%	5,706	5,666	-40	-0.7%
9.9%	5,661	5,657	-5	-0.1%
11.1%	5,631	5,624	-6	-0.1%
12.3%	5,602	5,564	-38	-0.7%
13.6%	5,589	5,543	-45	-0.8%
14.8%	5,571	5,502	-69	-1.2%
16.0%	5,545	5,456	-89	-1.6%
17.3%	5,507	5,455	-52	-0.9%
18.5%	5,485	5,435	-50	-0.9%
19.8%	5,455	5,364	-91	-1.7%
21.0%	5,433	5,364	-69	-1.3%
22.2%	5,356	5,354	-2	0.0%
23.5%	5,341	5,347	6	0.1%
24.7%	5,316	5,346	30	0.6%
25.9%	5,264	5,301	38	0.7%
27.2%	5,238	5,229	-9	-0.2%
28.4%	5,225	5,218	-7	-0.1%
29.6%	5,133	5,209	77	1.5%
30.9%	5,132	5,197	65	1.3%
32.1%	5,129	5,190	61	1.2%
33.3%	5,125	5,151	27	0.5%
34.6%	5,123	5,132	9	0.2%
35.8%	5,106	5,130	23	0.5%
37.0%	5,074	5,123	49	1.0%
38.3%	5,073	5,123	50	1.0%
39.5%	5,058	5,119	61	1.2%
40.7%	5,051	5,075	23	0.5%
42.0%	5,005	5,074	69	1.4%
43.2%	4,983	5,072	89	1.8%
44.4%	4,980	5,061	81	1.6%
45.7%	4,947	5,033	86	1.7%
46.9%	4,943	4,983	40	0.8%
48.1%	4,936	4,980	44	0.9%
49.4%	4,933	4,955	22	0.4%
50.6%	4,918	4,947	29	0.6%
51.9%	4,917	4,946	29	0.6%
53.1%	4,913	4,943	30	0.6%
54.3%	4,909	4,934	25	0.5%
55.6%	4,908	4,929	21	0.4%
56.8%	4,886	4,929	43	0.9%
58.0%	4,861	4,929	68	1.4%
59.3%	4,788	4,929	141	2.9%
60.5%	4,757	4,929	172	3.6%
61.7%	4,753	4,929	176	3.7%
63.0%	4,747	4,929	182	3.8%
64.2%	4,682	4,929	247	5.3%
65.4%	4,679	4,929	250	5.3%
66.7%	4,649	4,929	280	6.0%
67.9%	4,641	4,918	277	6.0%
69.1%	4,609	4,915	307	6.7%
70.4%	4,575	4,909	334	7.3%
71.6%	4,564	4,908	345	7.5%
72.8%	4,496	4,886	390	8.7%
74.1%	4,492	4,801	309	6.9%
75.3%	4,492	4,747	255	5.7%
76.5%	4,356	4,682	326	7.5%
77.8%	4,311	4,665	354	8.2%
79.0%	4,291	4,640	349	8.1%
80.2%	4,284	4,602	318	7.4%
81.5%	4,282	4,579	296	6.9%
82.7%	4,274	4,515	241	5.6%
84.0%	4,257	4,492	235	5.5%
85.2%	4,225	4,489	263	6.2%
86.4%	4,215	4,433	218	5.2%
87.7%	4,162	4,392	230	5.5%
88.9%	4,155	4,321	166	4.0%
90.1%	4,154	4,291	137	3.3%
91.4%	4,145	4,215	71	1.7%
92.6%	4,118	4,185	67	1.6%
93.8%	4,081	4,155	74	1.8%
95.1%	3,933	3,933	0	0.0%
96.3%	3,576	3,589	13	0.4%
97.5%	3,432	3,556	125	3.6%
98.8%	3,383	3,449	65	1.9%
100.0%	3,252	3,427	174	5.4%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,109	9,073	-37	-0.4%
1.2%	8,987	8,991	5	0.1%
2.5%	8,987	8,987	0	0.0%
3.7%	8,945	8,987	42	0.5%
4.9%	8,918	8,940	22	0.2%
6.2%	8,915	8,930	15	0.2%
7.4%	8,856	8,923	67	0.8%
8.6%	8,840	8,862	21	0.2%
9.9%	8,824	8,861	37	0.4%
11.1%	8,699	8,789	90	1.0%
12.3%	8,685	8,771	86	1.0%
13.6%	8,683	8,717	35	0.4%
14.8%	8,625	8,631	6	0.1%
16.0%	8,550	8,614	64	0.7%
17.3%	8,527	8,597	70	0.8%
18.5%	8,519	8,576	57	0.7%
19.8%	8,438	8,530	92	1.1%
21.0%	8,433	8,521	88	1.0%
22.2%	8,422	8,516	95	1.1%
23.5%	8,421	8,480	59	0.7%
24.7%	8,412	8,459	47	0.6%
25.9%	8,401	8,440	39	0.5%
27.2%	8,399	8,436	37	0.4%
28.4%	8,397	8,422	25	0.3%
29.6%	8,360	8,367	7	0.1%
30.9%	8,360	8,357	-2	0.0%
32.1%	8,329	8,334	5	0.1%
33.3%	8,301	8,325	24	0.3%
34.6%	8,295	8,301	5	0.1%
35.8%	8,290	8,272	-18	-0.2%
37.0%	8,242	8,183	-59	-0.7%
38.3%	8,170	8,177	6	0.1%
39.5%	8,167	8,171	4	0.0%
40.7%	8,143	8,063	-80	-1.0%
42.0%	8,039	8,034	-5	-0.1%
43.2%	7,904	7,993	89	1.1%
44.4%	7,896	7,978	83	1.0%
45.7%	7,875	7,972	97	1.2%
46.9%	7,854	7,843	-11	-0.1%
48.1%	7,821	7,677	-144	-1.8%
49.4%	7,640	7,622	-18	-0.2%
50.6%	7,565	7,586	21	0.3%
51.9%	7,456	7,583	128	1.7%
53.1%	7,353	7,576	222	3.0%
54.3%	7,335	7,560	224	3.1%
55.6%	7,318	7,465	147	2.0%
56.8%	7,314	7,445	131	1.8%
58.0%	7,220	7,422	202	2.8%
59.3%	7,217	7,410	193	2.7%
60.5%	7,163	7,221	58	0.8%
61.7%	7,023	7,093	70	1.0%
63.0%	7,008	7,082	74	1.1%
64.2%	6,950	7,066	115	1.7%
65.4%	6,841	7,005	163	2.4%
66.7%	6,827	6,811	-16	-0.2%
67.9%	6,687	6,806	119	1.8%
69.1%	6,595	6,670	75	1.1%
70.4%	6,574	6,632	58	0.9%
71.6%	6,548	6,555	7	0.1%
72.8%	6,533	6,551	17	0.3%
74.1%	6,362	6,539	177	2.8%
75.3%	5,895	6,527	632	10.7%
76.5%	5,809	6,024	216	3.7%
77.8%	5,707	6,003	296	5.2%
79.0%	5,545	5,973	428	7.7%
80.2%	5,303	5,383	80	1.5%
81.5%	5,111	5,297	186	3.6%
82.7%	4,879	5,170	292	6.0%
84.0%	4,807	5,167	360	7.5%
85.2%	4,735	5,124	389	8.2%
86.4%	4,725	5,074	349	7.4%
87.7%	4,595	4,937	342	7.4%
88.9%	4,547	4,896	349	7.7%
90.1%	4,480	4,814	334	7.5%
91.4%	4,294	4,454	160	3.7%
92.6%	4,280	4,454	174	4.1%
93.8%	4,211	4,400	189	4.5%
95.1%	4,109	4,300	192	4.7%
96.3%	4,053	4,237	184	4.5%
97.5%	4,021	4,171	150	3.7%
98.8%	4,019	4,160	141	3.5%
100.0%	3,702	3,985	283	7.6%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,520	7,225	-295	-3.9%
1.2%	6,720	6,561	-160	-2.4%
2.5%	6,561	6,547	-13	-0.2%
3.7%	6,496	6,533	37	0.6%
4.9%	6,479	6,479	0	0.0%
6.2%	6,403	6,434	30	0.5%
7.4%	6,401	6,424	24	0.4%
8.6%	6,301	6,402	101	1.6%
9.9%	6,232	6,401	169	2.7%
11.1%	6,231	6,374	143	2.3%
12.3%	6,227	6,367	140	2.2%
13.6%	6,200	6,348	148	2.4%
14.8%	6,185	6,337	152	2.5%
16.0%	6,164	6,333	170	2.8%
17.3%	6,143	6,265	122	2.0%
18.5%	6,124	6,264	140	2.3%
19.8%	6,096	6,235	138	2.3%
21.0%	6,060	6,234	174	2.9%
22.2%	6,021	6,231	210	3.5%
23.5%	6,009	6,228	219	3.6%
24.7%	5,983	6,185	203	3.4%
25.9%	5,963	6,164	201	3.4%
27.2%	5,940	6,144	204	3.4%
28.4%	5,923	6,136	213	3.6%
29.6%	5,922	6,051	129	2.2%
30.9%	5,910	6,041	131	2.2%
32.1%	5,876	6,037	161	2.7%
33.3%	5,874	6,035	161	2.7%
34.6%	5,847	6,011	164	2.8%
35.8%	5,835	6,008	173	3.0%
37.0%	5,791	6,002	211	3.6%
38.3%	5,728	6,000	272	4.8%
39.5%	5,701	5,965	264	4.6%
40.7%	5,697	5,954	257	4.5%
42.0%	5,622	5,949	326	5.8%
43.2%	5,602	5,932	330	5.9%
44.4%	5,562	5,930	367	6.6%
45.7%	5,561	5,923	362	6.5%
46.9%	5,557	5,921	363	6.5%
48.1%	5,533	5,910	377	6.8%
49.4%	5,514	5,870	356	6.5%
50.6%	5,492	5,866	375	6.8%
51.9%	5,491	5,791	300	5.5%
53.1%	5,479	5,784	305	5.6%
54.3%	5,467	5,699	232	4.3%
55.6%	5,432	5,688	256	4.7%
56.8%	5,360	5,670	309	5.8%
58.0%	5,214	5,592	378	7.2%
59.3%	5,080	5,531	451	8.9%
60.5%	5,066	5,491	424	8.4%
61.7%	5,002	5,488	486	9.7%
63.0%	4,982	5,478	496	10.0%
64.2%	4,923	5,430	507	10.3%
65.4%	4,849	5,346	497	10.3%
66.7%	4,832	5,332	500	10.4%
67.9%	4,716	5,282	566	12.0%
69.1%	4,712	5,217	505	10.7%
70.4%	4,659	4,810	151	3.2%
71.6%	4,647	4,803	156	3.4%
72.8%	4,581	4,687	106	2.3%
74.1%	4,547	4,645	98	2.2%
75.3%	4,542	4,571	28	0.6%
76.5%	4,505	4,557	52	1.2%
77.8%	4,460	4,555	95	2.1%
79.0%	4,389	4,512	123	2.8%
80.2%	4,339	4,494	155	3.6%
81.5%	4,323	4,485	162	3.7%
82.7%	4,311	4,485	174	4.0%
84.0%	4,278	4,481	203	4.7%
85.2%	4,259	4,421	162	3.8%
86.4%	4,251	4,414	163	3.8%
87.7%	4,184	4,373	189	4.5%
88.9%	4,173	4,349	176	4.2%
90.1%	4,096	4,272	176	4.3%
91.4%	4,016	4,224	208	5.2%
92.6%	3,951	4,205	254	6.4%
93.8%	3,941	4,166	225	5.7%
95.1%	3,838	4,011	173	4.5%
96.3%	3,810	3,816	6	0.2%
97.5%	3,778	3,713	-64	-1.7%
98.8%	3,735	3,686	-50	-1.3%
100.0%	3,717	3,432	-285	-7.7%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,123	9,132	9	0.1%
1.2%	9,119	9,067	-51	-0.6%
2.5%	9,036	8,844	-192	-2.1%
3.7%	8,939	8,833	-106	-1.2%
4.9%	8,753	8,653	-100	-1.1%
6.2%	8,727	8,649	-77	-0.9%
7.4%	8,701	8,590	-111	-1.3%
8.6%	8,548	8,575	27	0.3%
9.9%	8,473	8,468	-6	-0.1%
11.1%	8,312	8,464	152	1.8%
12.3%	8,131	8,183	52	0.6%
13.6%	7,947	8,146	199	2.5%
14.8%	7,495	7,966	471	6.3%
16.0%	7,479	7,485	6	0.1%
17.3%	7,414	7,339	-74	-1.0%
18.5%	7,358	7,148	-210	-2.8%
19.8%	7,133	7,122	-11	-0.2%
21.0%	5,579	7,035	1,456	26.1%
22.2%	5,543	6,116	573	10.3%
23.5%	5,284	6,022	738	14.0%
24.7%	5,265	5,882	616	11.7%
25.9%	5,252	5,873	622	11.8%
27.2%	5,201	5,788	587	11.3%
28.4%	5,140	5,783	643	12.5%
29.6%	5,082	5,766	684	13.5%
30.9%	5,077	5,697	621	12.2%
32.1%	5,068	5,600	532	10.5%
33.3%	5,061	5,548	486	9.6%
34.6%	5,031	5,505	474	9.4%
35.8%	4,981	5,495	514	10.3%
37.0%	4,979	5,482	504	10.1%
38.3%	4,963	5,448	484	9.8%
39.5%	4,926	5,383	456	9.3%
40.7%	4,924	5,369	445	9.0%
42.0%	4,922	5,355	433	8.8%
43.2%	4,910	5,355	445	9.1%
44.4%	4,870	5,307	437	9.0%
45.7%	4,854	5,247	393	8.1%
46.9%	4,845	5,194	349	7.2%
48.1%	4,819	5,171	353	7.3%
49.4%	4,810	5,130	320	6.7%
50.6%	4,779	5,114	335	7.0%
51.9%	4,752	5,058	306	6.4%
53.1%	4,749	5,043	294	6.2%
54.3%	4,743	4,999	255	5.4%
55.6%	4,739	4,882	143	3.0%
56.8%	4,707	4,880	173	3.7%
58.0%	4,702	4,876	175	3.7%
59.3%	4,697	4,861	163	3.5%
60.5%	4,654	4,856	203	4.4%
61.7%	4,623	4,854	232	5.0%
63.0%	4,619	4,843	223	4.8%
64.2%	4,585	4,833	248	5.4%
65.4%	4,500	4,795	295	6.6%
66.7%	4,442	4,778	336	7.6%
67.9%	4,399	4,769	369	8.4%
69.1%	4,360	4,752	392	9.0%
70.4%	4,319	4,752	433	10.0%
71.6%	4,190	4,733	543	13.0%
72.8%	4,107	4,718	611	14.9%
74.1%	4,087	4,701	615	15.0%
75.3%	3,927	4,698	770	19.6%
76.5%	3,863	4,654	792	20.5%
77.8%	3,824	4,633	810	21.2%
79.0%	3,818	4,607	789	20.7%
80.2%	3,787	4,590	804	21.2%
81.5%	3,674	4,560	886	24.1%
82.7%	3,537	4,515	978	27.6%
84.0%	3,478	4,490	1,012	29.1%
85.2%	3,453	4,411	958	27.7%
86.4%	3,432	4,377	945	27.5%
87.7%	3,429	4,316	887	25.9%
88.9%	3,379	4,080	701	20.8%
90.1%	3,351	3,890	538	16.1%
91.4%	3,324	3,876	552	16.6%
92.6%	3,257	3,682	424	13.0%
93.8%	3,239	3,671	431	13.3%
95.1%	3,122	3,635	513	16.4%
96.3%	3,112	3,560	447	14.4%
97.5%	3,050	3,531	481	15.8%
98.8%	3,030	3,282	252	8.3%
100.0%	3,010	3,124	113	3.8%

Figure SW-35-b
Old and Middle River, Monthly Flow
Probability of Exceedance

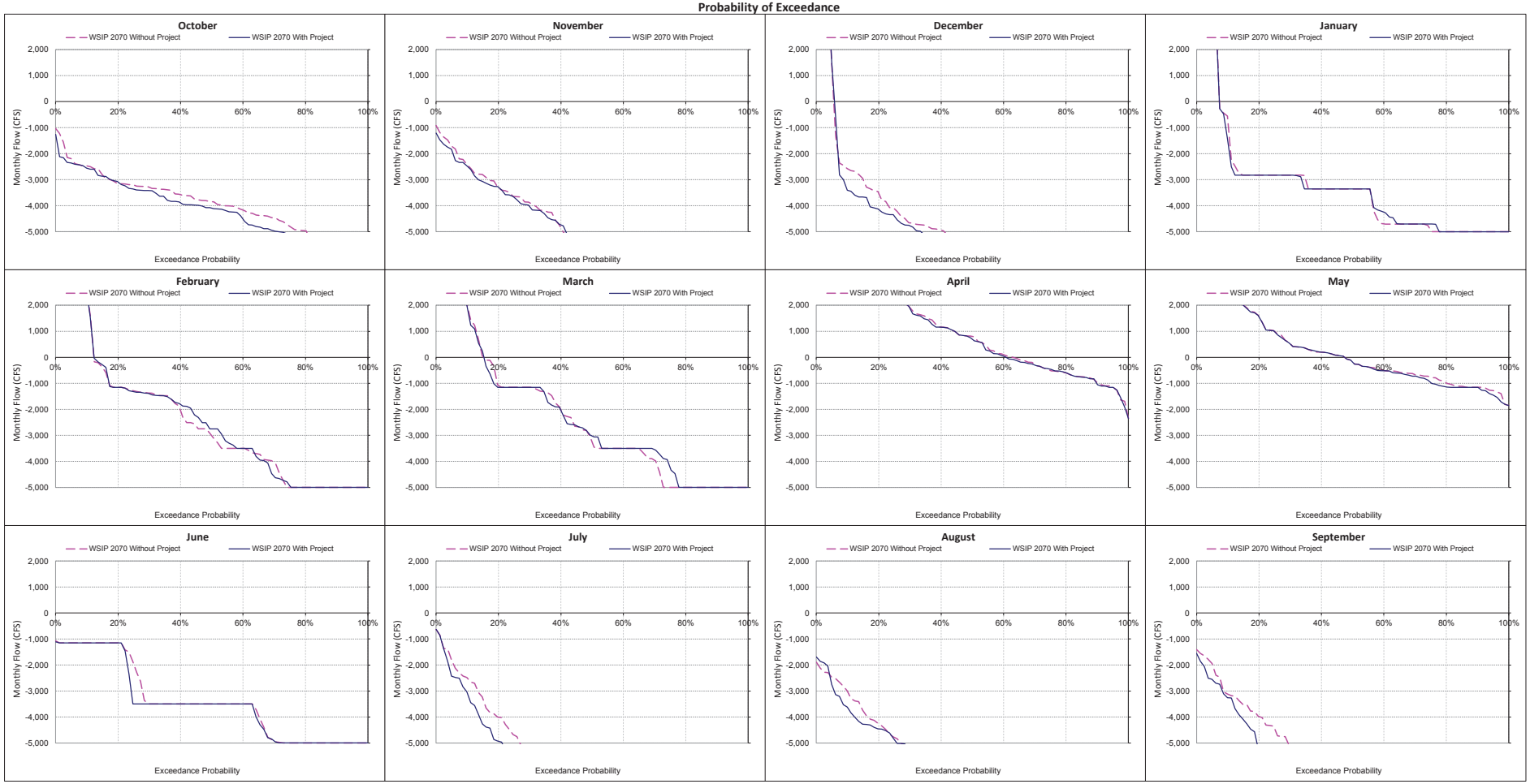


Table SW-35-b

Old and Middle River, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,034	-1,258	-224	
1.2%	-1,224	-2,116	-892	
2.5%	-1,555	-2,159	-604	
3.7%	-2,147	-2,336	-189	
4.9%	-2,192	-2,362	-170	
6.2%	-2,385	-2,411	-26	
7.4%	-2,423	-2,430	-7	
8.6%	-2,468	-2,455	13	
9.9%	-2,468	-2,561	-93	
11.1%	-2,502	-2,594	-92	
12.3%	-2,581	-2,600	-19	
13.6%	-2,585	-2,833	-249	
14.8%	-2,799	-2,869	-70	
16.0%	-2,965	-2,880	84	
17.3%	-2,992	-2,989	3	
18.5%	-3,056	-3,034	23	
19.8%	-3,147	-3,063	85	
21.0%	-3,157	-3,187	-31	
22.2%	-3,164	-3,234	-70	
23.5%	-3,192	-3,334	-142	
24.7%	-3,192	-3,360	-168	
25.9%	-3,251	-3,400	-149	
27.2%	-3,258	-3,411	-154	
28.4%	-3,262	-3,413	-151	
29.6%	-3,277	-3,417	-140	
30.9%	-3,336	-3,427	-90	
32.1%	-3,345	-3,526	-181	
33.3%	-3,367	-3,636	-269	
34.6%	-3,372	-3,640	-268	
35.8%	-3,391	-3,797	-406	
37.0%	-3,408	-3,836	-429	
38.3%	-3,547	-3,838	-291	
39.5%	-3,562	-3,856	-294	
40.7%	-3,603	-3,950	-347	
42.0%	-3,612	-3,963	-350	
43.2%	-3,625	-3,965	-340	
44.4%	-3,744	-3,973	-228	
45.7%	-3,776	-3,983	-207	
46.9%	-3,801	-4,012	-210	
48.1%	-3,809	-4,074	-266	
49.4%	-3,846	-4,077	-230	
50.6%	-3,854	-4,116	-262	
51.9%	-3,956	-4,128	-172	
53.1%	-3,979	-4,133	-154	
54.3%	-4,003	-4,182	-178	
55.6%	-4,008	-4,238	-230	
56.8%	-4,021	-4,246	-226	
58.0%	-4,075	-4,253	-178	
59.3%	-4,138	-4,396	-258	
60.5%	-4,195	-4,610	-416	
61.7%	-4,276	-4,735	-458	
63.0%	-4,292	-4,746	-454	
64.2%	-4,362	-4,809	-447	
65.4%	-4,380	-4,830	-450	
66.7%	-4,386	-4,881	-495	
67.9%	-4,401	-4,885	-484	
69.1%	-4,462	-4,949	-488	
70.4%	-4,471	-4,983	-512	
71.6%	-4,566	-5,003	-437	
72.8%	-4,615	-5,022	-408	
74.1%	-4,724	-5,086	-362	
75.3%	-4,825	-5,127	-302	
76.5%	-4,918	-5,233	-315	
77.8%	-4,938	-5,324	-386	
79.0%	-4,955	-5,413	-457	
80.2%	-4,968	-5,487	-520	
81.5%	-5,350	-5,512	-162	
82.7%	-5,499	-5,686	-187	
84.0%	-5,535	-5,723	-188	
85.2%	-5,592	-5,891	-299	
86.4%	-5,603	-5,908	-304	
87.7%	-5,612	-5,927	-315	
88.9%	-5,720	-5,930	-210	
90.1%	-5,778	-5,993	-214	
91.4%	-5,800	-5,993	-193	
92.6%	-5,950	-6,247	-297	
93.8%	-6,055	-6,333	-277	
95.1%	-6,063	-6,439	-376	
96.3%	-6,207	-6,769	-562	
97.5%	-6,455	-7,528	-1,073	
98.8%	-8,209	-8,253	-44	
100.0%	-10,225	-10,199	26	

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-915	-1,212	-297	
1.2%	-1,194	-1,473	-279	
2.5%	-1,362	-1,637	-275	
3.7%	-1,473	-1,752	-279	
4.9%	-1,707	-1,833	-125	
6.2%	-1,820	-2,271	-451	
7.4%	-2,197	-2,337	-140	
8.6%	-2,223	-2,338	-115	
9.9%	-2,419	-2,469	-51	
11.1%	-2,566	-2,612	-46	
12.3%	-2,755	-2,860	-105	
13.6%	-2,788	-3,010	-222	
14.8%	-2,798	-3,065	-267	
16.0%	-2,915	-3,138	-223	
17.3%	-3,032	-3,205	-173	
18.5%	-3,048	-3,253	-205	
19.8%	-3,286	-3,269	18	
21.0%	-3,403	-3,398	5	
22.2%	-3,427	-3,580	-152	
23.5%	-3,488	-3,584	-97	
24.7%	-3,643	-3,651	-8	
25.9%	-3,655	-3,778	-123	
27.2%	-3,665	-3,924	-259	
28.4%	-3,855	-3,959	-103	
29.6%	-3,864	-3,972	-108	
30.9%	-3,948	-4,162	-214	
32.1%	-4,038	-4,175	-138	
33.3%	-4,175	-4,187	-12	
34.6%	-4,183	-4,291	-108	
35.8%	-4,249	-4,463	-214	
37.0%	-4,259	-4,535	-276	
38.3%	-4,571	-4,570	1	
39.5%	-4,748	-4,714	34	
40.7%	-5,009	-4,773	236	
42.0%	-5,199	-5,106	93	
43.2%	-5,233	-5,112	122	
44.4%	-5,291	-5,123	168	
45.7%	-5,638	-5,350	287	
46.9%	-5,698	-5,373	325	
48.1%	-5,756	-5,672	84	
49.4%	-5,819	-5,978	-159	
50.6%	-5,901	-5,993	-93	
51.9%	-5,946	-6,029	-82	
53.1%	-6,028	-6,029	-1	
54.3%	-6,031	-6,207	-175	
55.6%	-6,110	-6,218	-108	
56.8%	-6,138	-6,317	-179	
58.0%	-6,209	-6,424	-216	
59.3%	-6,320	-6,460	-140	
60.5%	-6,391	-6,462	-71	
61.7%	-6,445	-6,516	-72	
63.0%	-6,477	-6,525	-48	
64.2%	-6,515	-6,563	-48	
65.4%	-6,608	-6,580	27	
66.7%	-6,644	-6,771	-128	
67.9%	-6,683	-6,835	-153	
69.1%	-6,794	-6,867	-73	
70.4%	-6,886	-7,062	-176	
71.6%	-6,914	-7,318	-404	
72.8%	-6,955	-7,743	-788	
74.1%	-7,067	-7,803	-736	
75.3%	-7,082	-8,213	-1,131	
76.5%	-7,351	-8,233	-882	
77.8%	-7,489	-8,291	-802	
79.0%	-7,691	-8,304	-613	
80.2%	-8,139	-8,458	-319	
81.5%	-8,149	-8,637	-487	
82.7%	-8,227	-8,749	-521	
84.0%	-8,274	-8,828	-554	
85.2%	-8,290	-8,876	-586	
86.4%	-8,304	-8,918	-614	
87.7%	-8,441	-8,930	-489	
88.9%	-8,466	-9,122	-656	
90.1%	-8,867	-9,544	-676	
91.4%	-9,036	-9,981	-945	
92.6%	-9,070	-10,026	-956	
93.8%	-9,359	-10,166	-807	
95.1%	-10,156	-10,298	-142	
96.3%	-10,166	-10,308	-142	
97.5%	-10,265	-10,343	-78	
98.8%	-10,311	-10,371	-60	
100.0%	-10,328	-10,414	-86	

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,981	12,299	-1,682	-12.0%
1.2%	11,620	11,620	0	0.0%
2.5%	7,739	7,695	-44	-0.6%
3.7%	4,487	4,481	-6	-0.1%
4.9%	1,433	1,541	108	7.5%
6.2%	-1,306	-569	737	
7.4%	-2,364	-2,814	-449	
8.6%	-2,445	-2,993	-548	
9.9%	-2,573	-3,410	-837	
11.1%	-2,654	-3,442	-788	
12.3%	-2,681	-3,592	-910	
13.6%	-2,797	-3,668	-871	
14.8%	-2,946	-3,670	-724	
16.0%	-3,288	-3,685	-397	
17.3%	-3,351	-4,046	-695	
18.5%	-3,426	-4,090	-664	
19.8%	-3,457	-4,123	-666	
21.0%	-3,793	-4,247	-453	
22.2%	-3,836	-4,312	-476	
23.5%	-4,072	-4,346	-274	
24.7%	-4,084	-4,346	-262	
25.9%	-4,225	-4,541	-316	
27.2%	-4,412	-4,671	-259	
28.4%	-4,496	-4,740	-245	
29.6%	-4,656	-4,753	-97	
30.9%	-4,672	-4,822	-150	
32.1%	-4,720	-4,969	-249	
33.3%	-4,734	-4,982	-248	
34.6%	-4,749	-5,110	-362	
35.8%	-4,810	-5,177	-367	
37.0%	-4,886	-5,519	-632	
38.3%	-4,895	-5,752	-857	
39.5%	-4,926	-5,871	-944	
40.7%	-4,969	-5,871	-902	
42.0%	-5,132	-5,871	-739	
43.2%	-5,134	-5,871	-737	
44.4%	-5,614	-5,871	-257	
45.7%	-5,853	-5,871	-18	
46.9%	-5,871	-5,871	0	
48.1%	-5,871	-5,871	0	
49.4%	-5,871	-5,871	0	
50.6%	-5,871	-5,871	0	
51.9%	-5,871	-5,871	0	
53.1%	-5,871	-5,871	0	
54.3%	-5,871	-5,871	0	
55.6%	-5,871	-5,871	0	
56.8%	-5,871	-5,871	0	
58.0%	-5,871	-5,871	0	
59.3%	-5,871	-5,871	0	
60.5%	-5,871	-5,871	0	
61.7%	-5,871	-5,871	0	
63.0%	-5,871	-5,871	0	
64.2%	-5,871	-5,871	0	
65.4%	-5,871	-5,871	0	
66.7%	-5,871	-5,871	0	
67.9%	-5,871	-6,195	-324	
69.1%	-5,871	-6,261	-390	
70.4%	-5,871	-6,638	-767	
71.6%	-5,871	-6,780	-909	
72.8%	-5,875	-6,792	-918	
74.1%	-6,146	-6,988	-842	
75.3%	-6,655	-7,090	-435	
76.5%	-6,789	-7,693	-904	
77.8%	-6,897	-7,882	-985	
79.0%	-7,718	-8,238	-520	
80.2%	-8,275	-8,305	-30	
81.5%	-8,363	-8,496	-133	
82.7%	-8,533	-8,857	-324	
84.0%	-9,109	-8,994	115	
85.2%	-9,197	-9,141	56	
86.4%	-9,297	-9,281	16	
87.7%	-9,334	-9,307	27	
88.9%	-9,567	-9,365	202	
90.1%	-9,574	-9,512	61	
91.4%	-9,620	-9,567	53	
92.6%	-9,681	-9,587	94	
93.8%	-9,684	-9,620	64	
95.1%	-9,704	-9,681	22	
96.3%	-9,707	-9,684	23	
97.5%	-9,712	-9,704	9	
98.8%	-9,879	-9,777	102	
100.0%	-9,899	-9,856	43	

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	38,613	38,584	-29	-0.1%
1.2%	14,814	14,722	-92	-0.6%
2.5%	10,943	10,934	-9	-0.1%
3.7%	4,914	5,372	459	9.3%
4.9%	4,742	4,810	68	1.4%
6.2%	3,412	3,381	-31	-0.9%
7.4%	-275	-275	0	
8.6%	-437	-468	-31	
9.9%	-553	-1,426	-873	
11.1%	-2,241	-2,510	-269	
12.3%	-2,488	-2,823	-334	
13.6%	-2,758	-2,823	-65	
14.8%	-2,823	-2,823	0	
16.0%	-2,823	-2,823	0	
17.3%	-2,823	-2,823	0	
18.5%	-2,823	-2,823	0	
19.8%	-2,823	-2,823	0	
21.0%	-2,823	-2,823	0	
22.2%	-2,823	-2,823	0	
23.5%	-2,823	-2,823	0	
24.7%	-2,823	-2,823	0	
25.9%	-2,823	-2,823	0	
27.2%	-2,823	-2,823	0	
28.4%	-2,823	-2,823	0	
29.6%	-2,823	-2,823	0	
30.9%	-2,823	-2,823	0	
32.1%	-2,823	-2,843	-20	
33.3%	-2,823	-2,887	-65	
34.6%	-2,839	-3,355	-516	
35.8%	-3,355	-3,355	0	
37.0%	-3,355	-3,355	0	
38.3%	-3,355	-3,355	0	
39.5%	-3,355	-3,355	0	
40.7%	-3,355	-3,355	0	
42.0%	-3,355	-3,355	0	
43.2%	-3,355	-3,355	0	
44.4%	-3,355	-3,355	0	
45.7%	-3,355	-3,355	0	
46.9%	-3,355	-3,355	0	
48.1%	-3,355	-3,355	0	
49.4%	-3,355	-3,355	0	
50.6%	-3,355	-3,355	0	
51.9%	-3,355	-3,355	0	
53.1%	-3,355	-3,355	0	
54.3%	-3,355	-3,355	0	
55.6%	-3,355	-3,355	0	
56.8%	-4,214	-4,075	138	
58.0%	-4,541	-4,163	378	
59.3%	-4,689	-4,215	475	
60.5%	-4,710	-4,277	433	
61.7%	-4,710	-4,432	278	
63.0%	-4,710	-4,468	242	
64.2%	-4,710	-4,700	10	
65.4%	-4,710	-4,710	0	
66.7%	-4,710	-4,710	0	
67.9%	-4,710	-4,710	0	
69.1%	-4,710	-4,710	0	
70.4%	-4,710	-4,710	0	
71.6%	-4,710	-4,710	0	
72.8%	-4,710	-4,710	0	
74.1%	-4,761	-4,710	51	
75.3%	-5,000	-4,710	290	
76.5%	-5,000	-4,719	281	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

Table SW-35-b

Old and Middle River, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,003	18,899	-104	-0.5%
1.2%	15,190	15,169	-22	-0.1%
2.5%	14,915	14,896	-19	-0.1%
3.7%	13,604	13,578	-26	-0.2%
4.9%	11,269	12,164	895	7.9%
6.2%	11,071	11,066	-5	0.0%
7.4%	5,111	5,741	629	12.3%
8.6%	4,392	4,361	-32	-0.7%
9.9%	2,577	2,544	-32	-1.3%
11.1%	1,575	1,544	-32	-2.0%
12.3%	-172	-35	137	
13.6%	-208	-172	36	
14.8%	-366	-281	85	
16.0%	-582	-382	201	
17.3%	-1,088	-1,120	-33	
18.5%	-1,150	-1,150	0	
19.8%	-1,150	-1,150	0	
21.0%	-1,150	-1,150	0	
22.2%	-1,183	-1,183	0	
23.5%	-1,243	-1,282	-39	
24.7%	-1,282	-1,315	-33	
25.9%	-1,315	-1,341	-26	
27.2%	-1,341	-1,347	-7	
28.4%	-1,347	-1,372	-25	
29.6%	-1,372	-1,380	-8	
30.9%	-1,380	-1,446	-66	
32.1%	-1,446	-1,467	-22	
33.3%	-1,467	-1,479	-11	
34.6%	-1,476	-1,479	-3	
35.8%	-1,479	-1,510	-31	
37.0%	-1,610	-1,610	0	
38.3%	-1,778	-1,732	46	
39.5%	-1,871	-1,778	93	
40.7%	-2,310	-1,871	440	
42.0%	-2,509	-1,881	628	
43.2%	-2,509	-1,952	557	
44.4%	-2,554	-2,214	340	
45.7%	-2,750	-2,310	440	
46.9%	-2,750	-2,509	241	
48.1%	-2,750	-2,509	241	
49.4%	-2,924	-2,750	174	
50.6%	-3,117	-2,750	367	
51.9%	-3,289	-2,750	539	
53.1%	-3,500	-2,948	552	
54.3%	-3,500	-3,214	286	
55.6%	-3,500	-3,300	200	
56.8%	-3,500	-3,375	125	
58.0%	-3,500	-3,500	0	
59.3%	-3,500	-3,500	0	
60.5%	-3,500	-3,500	0	
61.7%	-3,578	-3,500	78	
63.0%	-3,670	-3,500	170	
64.2%	-3,702	-3,806	-105	
65.4%	-3,732	-3,951	-219	
66.7%	-3,930	-3,974	-44	
67.9%	-3,952	-4,063	-110	
69.1%	-3,974	-4,468	-493	
70.4%	-4,063	-4,631	-569	
71.6%	-4,444	-4,662	-218	
72.8%	-4,729	-4,729	0	
74.1%	-5,000	-4,790	210	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	32,446	32,484	39	0.1%
1.2%	24,456	24,385	-72	-0.3%
2.5%	14,603	14,591	-12	-0.1%
3.7%	12,423	11,983	-440	-3.5%
4.9%	7,611	7,578	-33	-0.4%
6.2%	6,175	6,149	-26	-0.4%
7.4%	5,006	6,134	1,128	22.5%
8.6%	2,134	2,071	-63	-2.9%
9.9%	2,037	2,008	-29	-1.4%
11.1%	1,436	1,230	-206	-14.4%
12.3%	1,230	1,089	-141	-11.4%
13.6%	698	540	-158	-22.6%
14.8%	59	247	189	321.6%
16.0%	-108	-346	-237	
17.3%	-116	-641	-524	
18.5%	-346	-1,016	-671	
19.8%	-1,070	-1,150	-80	
21.0%	-1,150	-1,150	0	
22.2%	-1,150	-1,150	0	
23.5%	-1,150	-1,150	0	
24.7%	-1,150	-1,150	0	
25.9%	-1,150	-1,150	0	
27.2%	-1,150	-1,150	0	
28.4%	-1,150	-1,150	0	
29.6%	-1,150	-1,150	0	
30.9%	-1,150	-1,150	0	
32.1%	-1,226	-1,150	75	
33.3%	-1,301	-1,152	149	
34.6%	-1,320	-1,325	-5	
35.8%	-1,359	-1,736	-377	
37.0%	-1,473	-1,830	-356	
38.3%	-1,759	-1,903	-144	
39.5%	-1,903	-1,916	-13	
40.7%	-2,223	-2,237	-14	
42.0%	-2,276	-2,551	-275	
43.2%	-2,315	-2,580	-265	
44.4%	-2,652	-2,592	60	
45.7%	-2,669	-2,669	0	
46.9%	-2,787	-2,713	73	
48.1%	-2,810	-2,815	-5	
49.4%	-3,065	-2,995	69	
50.6%	-3,453	-3,065	389	
51.9%	-3,500	-3,067	433	
53.1%	-3,500	-3,500	0	
54.3%	-3,500	-3,500	0	
55.6%	-3,500	-3,500	0	
56.8%	-3,500	-3,500	0	
58.0%	-3,500	-3,500	0	
59.3%	-3,500	-3,500	0	
60.5%	-3,500	-3,500	0	
61.7%	-3,500	-3,500	0	
63.0%	-3,500	-3,500	0	
64.2%	-3,500	-3,500	0	
65.4%	-3,552	-3,500	52	
66.7%	-3,709	-3,500	209	
67.9%	-3,887	-3,500	387	
69.1%	-3,894	-3,500	394	
70.4%	-3,985	-3,568	417	
71.6%	-4,411	-3,728	683	
72.8%	-5,000	-3,890	1,110	
74.1%	-5,000	-3,933	1,067	
75.3%	-5,000	-4,341	659	
76.5%	-5,000	-4,469	531	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,332	13,216	-116	-0.9%
1.2%	12,710	13,042	333	2.6%
2.5%	6,458	6,421	-36	-0.6%
3.7%	6,274	6,244	-29	-0.5%
4.9%	5,218	5,063	-155	-3.0%
6.2%	4,918	4,890	-28	-0.6%
7.4%	3,956	3,926	-29	-0.7%
8.6%	3,424	3,424	0	0.0%
9.9%	3,280	3,276	-5	-0.1%
11.1%	3,186	3,186	0	0.0%
12.3%	2,951	2,925	-26	-0.9%
13.6%	2,935	2,920	-15	-0.5%
14.8%	2,817	2,802	-15	-0.6%
16.0%	2,747	2,747	0	0.0%
17.3%	2,486	2,486	0	0.0%
18.5%	2,445	2,445	0	0.0%
19.8%	2,372	2,356	-15	-0.7%
21.0%	2,348	2,348	0	0.0%
22.2%	2,326	2,326	0	0.0%
23.5%	2,253	2,239	-15	-0.6%
24.7%	2,192	2,192	0	0.0%
25.9%	2,190	2,189	0	0.0%
27.2%	2,187	2,187	0	0.0%
28.4%	2,080	2,080	0	0.0%
29.6%	1,961	1,961	0	0.0%
30.9%	1,785	1,672	-113	-6.3%
32.1%	1,672	1,620	-52	-3.1%
33.3%	1,635	1,594	-41	-2.5%
34.6%	1,594	1,485	-110	-6.9%
35.8%	1,485	1,440	-44	-3.0%
37.0%	1,440	1,272	-169	-11.7%
38.3%	1,272	1,161	-110	-8.7%
39.5%	1,161	1,160	-1	-0.1%
40.7%	1,160	1,154	-6	-0.5%
42.0%	1,135	1,135	0	0.0%
43.2%	1,063	1,064	0	0.0%
44.4%	988	988	0	0.0%
45.7%	860	860	0	0.0%
46.9%	840	840	0	0.0%
48.1%	820	817	-2	-0.3%
49.4%	817	754	-64	-7.8%
50.6%	785	635	-150	-19.1%
51.9%	602	602	0	0.0%
53.1%	564	564	0	0.0%
54.3%	461	279	-183	-39.6%
55.6%	277	239	-38	-13.7%
56.8%	249	138	-111	-44.5%
58.0%	150	135	-15	-9.9%
59.3%	135	77	-59	-43.5%
60.5%	77	24	-53	-68.7%
61.7%	24	-71	-95	
63.0%	2	-72	-74	
64.2%	-45	-132	-87	
65.4%	-110	-189	-79	
66.7%	-132	-197	-65	
67.9%	-189	-235	-46	
69.1%	-197	-260	-63	
70.4%	-321	-321	-1	
71.6%	-349	-350	-1	
72.8%	-414	-414	0	
74.1%	-463	-432	31	
75.3%	-521	-463	59	
76.5%	-529	-521	8	
77.8%	-552	-529	23	
79.0%	-573	-552	20	
80.2%	-608	-608	0	
81.5%	-677	-677	0	
82.7%	-724	-724	0	
84.0%	-744	-744	0	
85.2%	-746	-765	-18	
86.4%	-765	-772	-7	
87.7%	-792	-829	-37	
88.9%	-848	-830	18	
90.1%	-982	-1,055	-73	
91.4%	-1,055	-1,101	-45	
92.6%	-1,098	-1,109	-10	
93.8%	-1,101	-1,150	-50	
95.1%	-1,150	-1,150	0	
96.3%	-1,267	-1,267	0	
97.5%	-1,641	-1,550	90	
98.8%	-1,691	-1,899	-208	
100.0%	-2,353	-2,352	0	

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,321	6,611	-709	-9.7%
1.2%	6,533	6,480	-54	-0.8%
2.5%	6,097	5,873	-224	-3.7%
3.7%	5,700	5,462	-238	-4.2%
4.9%	5,218	5,190	-29	-0.5%
6.2%	3,642	3,599	-43	-1.2%
7.4%	3,612	3,587	-25	-0.7%
8.6%	3,334	3,271	-63	-1.9%
9.9%	3,041	3,020	-21	-0.7%
11.1%	2,464	2,464	0	0.0%
12.3%	2,415	2,402	-14	-0.6%
13.6%	2,197	2,176	-20	-0.9%
14.8%	2,022	2,022	0	0.0%
16.0%	1,906	1,883	-23	-1.2%
17.3%	1,767	1,745	-22	-1.2%
18.5%	1,734	1,712	-22	-1.3%
19.8%	1,614	1,614	0	0.0%
21.0%	1,350	1,351	0	0.0%
22.2%	1,055	1,056	1	0.1%
23.5%	1,053	1,032	-21	-2.0%
24.7%	1,024	1,024	0	0.0%
25.9%	896	857	-38	-4.3%
27.2%	849	759	-90	-10.6%
28.4%	652	652	0	0.0%
29.6%	569	557	-12	-2.1%
30.9%	415	415	0	0.0%
32.1%	400	400	0	0.0%
33.3%	388	388	0	0.1%
34.6%	364	364	0	0.0%
35.8%	300	300	0	0.0%
37.0%	236	271	35	14.9%
38.3%	203	236	33	16.0%
39.5%	201	203	2	0.9%
40.7%	190	190	0	-0.1%
42.0%	177	177	0	0.0%
43.2%	132	132	0	0.0%
44.4%	85	83	-2	-2.8%
45.7%	83	60	-23	-27.9%
46.9%	48	48	0	0.3%
48.1%	-69	-69	0	
49.4%	-108	-108	0	
50.6%	-253	-270	-17	
51.9%	-271	-271	0	
53.1%	-345	-345	0	
54.3%	-361	-361	0	
55.6%	-386	-386	0	
56.8%	-402	-461	-59	
58.0%	-461	-507	-46	
59.3%	-476	-512	-36	
60.5%	-524	-521	3	
61.7%	-524	-524	0	
63.0%	-525	-593	-68	
64.2%	-545	-609	-63	
65.4%	-589	-618	-30	
66.7%	-593	-658	-65	
67.9%	-619	-688	-69	
69.1%	-624	-724	-100	
70.4%	-688	-727	-39	
71.6%	-691	-788	-97	
72.8%	-724	-807	-82	
74.1%	-726	-878	-152	
75.3%	-779	-1,006	-228	
76.5%	-788	-1,039	-251	
77.8%	-878	-1,090	-212	
79.0%	-909	-1,110	-201	
80.2%	-1,005	-1,149	-144	
81.5%	-1,039	-1,150	-112	
82.7%	-1,090	-1,150	-60	
84.0%	-1,110	-1,150	-40	
85.2%	-1,117	-1,150	-34	
86.4%	-1,150	-1,150	0	
87.7%	-1,150	-1,150	0	
88.9%	-1,150	-1,150	0	
90.1%	-1,150	-1,150	0	
91.4%	-1,150	-1,264	-114	
92.6%	-1,184	-1,285	-100	
93.8%	-1,264	-1,394	-129	
95.1%	-1,281	-1,459	-178	
96.3%	-1,331	-1,549	-217	
97.5%	-1,395	-1,711	-316	
98.8%	-1,809	-1,805	4	
100.0%	-1,853	-1,853	0	

Table SW-35-b

Old and Middle River, Monthly Flow
Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,073	-1,115	-41	
1.2%	-1,150	-1,150	0	
2.5%	-1,150	-1,150	0	
3.7%	-1,150	-1,150	0	
4.9%	-1,150	-1,150	0	
6.2%	-1,150	-1,150	0	
7.4%	-1,150	-1,150	0	
8.6%	-1,150	-1,150	0	
9.9%	-1,150	-1,150	0	
11.1%	-1,150	-1,150	0	
12.3%	-1,150	-1,150	0	
13.6%	-1,150	-1,150	0	
14.8%	-1,150	-1,150	0	
16.0%	-1,150	-1,150	0	
17.3%	-1,150	-1,150	0	
18.5%	-1,150	-1,150	0	
19.8%	-1,150	-1,150	0	
21.0%	-1,150	-1,150	0	
22.2%	-1,421	-1,458	-38	
23.5%	-1,503	-2,354	-852	
24.7%	-1,865	-3,500	-1,635	
25.9%	-2,280	-3,500	-1,220	
27.2%	-2,627	-3,500	-873	
28.4%	-3,361	-3,500	-139	
29.6%	-3,500	-3,500	0	
30.9%	-3,500	-3,500	0	
32.1%	-3,500	-3,500	0	
33.3%	-3,500	-3,500	0	
34.6%	-3,500	-3,500	0	
35.8%	-3,500	-3,500	0	
37.0%	-3,500	-3,500	0	
38.3%	-3,500	-3,500	0	
39.5%	-3,500	-3,500	0	
40.7%	-3,500	-3,500	0	
42.0%	-3,500	-3,500	0	
43.2%	-3,500	-3,500	0	
44.4%	-3,500	-3,500	0	
45.7%	-3,500	-3,500	0	
46.9%	-3,500	-3,500	0	
48.1%	-3,500	-3,500	0	
49.4%	-3,500	-3,500	0	
50.6%	-3,500	-3,500	0	
51.9%	-3,500	-3,500	0	
53.1%	-3,500	-3,500	0	
54.3%	-3,500	-3,500	0	
55.6%	-3,500	-3,500	0	
56.8%	-3,500	-3,500	0	
58.0%	-3,500	-3,500	0	
59.3%	-3,500	-3,500	0	
60.5%	-3,500	-3,500	0	
61.7%	-3,500	-3,500	0	
63.0%	-3,500	-3,500	0	
64.2%	-3,720	-3,993	-273	
65.4%	-4,076	-4,294	-218	
66.7%	-4,396	-4,475	-78	
67.9%	-4,775	-4,798	-22	
69.1%	-4,866	-4,848	18	
70.4%	-4,957	-4,960	-3	
71.6%	-4,974	-5,000	-26	
72.8%	-4,999	-5,000	-1	
74.1%	-5,000	-5,000	0	
75.3%	-5,000	-5,000	0	
76.5%	-5,000	-5,000	0	
77.8%	-5,000	-5,000	0	
79.0%	-5,000	-5,000	0	
80.2%	-5,000	-5,000	0	
81.5%	-5,000	-5,000	0	
82.7%	-5,000	-5,000	0	
84.0%	-5,000	-5,000	0	
85.2%	-5,000	-5,000	0	
86.4%	-5,000	-5,000	0	
87.7%	-5,000	-5,000	0	
88.9%	-5,000	-5,000	0	
90.1%	-5,000	-5,000	0	
91.4%	-5,000	-5,000	0	
92.6%	-5,000	-5,000	0	
93.8%	-5,000	-5,000	0	
95.1%	-5,000	-5,000	0	
96.3%	-5,000	-5,000	0	
97.5%	-5,000	-5,000	0	
98.8%	-5,000	-5,000	0	
100.0%	-5,000	-5,000	0	

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-633	-632	1	
1.2%	-852	-852	0	
2.5%	-1,370	-1,378	-7	
3.7%	-1,378	-1,847	-469	
4.9%	-1,802	-2,428	-626	
6.2%	-2,126	-2,484	-358	
7.4%	-2,296	-2,512	-217	
8.6%	-2,423	-2,837	-414	
9.9%	-2,481	-3,024	-543	
11.1%	-2,654	-3,449	-795	
12.3%	-2,703	-3,555	-852	
13.6%	-3,054	-3,912	-858	
14.8%	-3,230	-4,270	-1,039	
16.0%	-3,659	-4,382	-723	
17.3%	-3,830	-4,426	-596	
18.5%	-3,873	-4,869	-996	
19.8%	-4,004	-4,928	-923	
21.0%	-4,019	-4,962	-943	
22.2%	-4,288	-5,281	-993	
23.5%	-4,472	-5,717	-1,245	
24.7%	-4,675	-5,751	-1,076	
25.9%	-4,755	-5,806	-1,051	
27.2%	-5,083	-5,834	-751	
28.4%	-5,400	-6,288	-888	
29.6%	-5,810	-6,382	-572	
30.9%	-5,965	-6,596	-631	
32.1%	-6,089	-6,863	-774	
33.3%	-6,089	-6,872	-783	
34.6%	-6,195	-6,902	-707	
35.8%	-6,439	-7,128	-689	
37.0%	-6,678	-7,155	-477	
38.3%	-6,770	-7,167	-397	
39.5%	-6,937	-7,167	-230	
40.7%	-6,999	-7,246	-247	
42.0%	-7,037	-7,372	-335	
43.2%	-7,121	-7,573	-452	
44.4%	-7,249	-7,671	-422	
45.7%	-7,413	-7,917	-504	
46.9%	-7,559	-7,956	-396	
48.1%	-7,602	-8,137	-535	
49.4%	-7,704	-8,160	-456	
50.6%	-7,856	-8,255	-398	
51.9%	-7,971	-8,271	-300	
53.1%	-8,071	-8,286	-215	
54.3%	-8,125	-8,305	-179	
55.6%	-8,137	-8,507	-370	
56.8%	-8,273	-8,630	-356	
58.0%	-8,370	-8,639	-269	
59.3%	-8,415	-8,666	-251	
60.5%	-8,456	-8,693	-237	
61.7%	-8,465	-8,706	-241	
63.0%	-8,490	-8,857	-366	
64.2%	-8,549	-8,864	-314	
65.4%	-8,592	-8,960	-368	
66.7%	-8,639	-9,035	-396	
67.9%	-8,646	-9,047	-401	
69.1%	-8,686	-9,076	-390	
70.4%	-8,705	-9,092	-387	
71.6%	-8,738	-9,130	-392	
72.8%	-8,842	-9,281	-438	
74.1%	-9,106	-9,314	-208	
75.3%	-9,134	-9,454	-320	
76.5%	-9,159	-9,486	-327	
77.8%	-9,332	-9,544	-213	
79.0%	-9,368	-9,620	-252	
80.2%	-9,402	-9,676	-274	
81.5%	-9,414	-9,778	-364	
82.7%	-9,425	-9,825	-401	
84.0%	-9,459	-9,857	-398	
85.2%	-9,762	-9,913	-151	
86.4%	-9,780	-9,936	-156	
87.7%	-9,825	-10,039	-214	
88.9%	-9,833	-10,149	-316	
90.1%	-9,849	-10,219	-370	
91.4%	-10,008	-10,505	-497	
92.6%	-10,021	-10,547	-526	
93.8%	-10,453	-10,837	-384	
95.1%	-10,617	-11,134	-517	
96.3%	-10,752	-11,313	-561	
97.5%	-10,856	-11,347	-491	
98.8%	-11,568	-11,594	-25	
100.0%	-11,693	-11,693	0	

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,888	-1,692	197	
1.2%	-2,116	-1,865	251	
2.5%	-2,278	-1,917	360	
3.7%	-2,293	-2,036	258	
4.9%	-2,475	-2,748	-272	
6.2%	-2,522	-3,143	-621	
7.4%	-2,663	-3,209	-547	
8.6%	-2,815	-3,532	-717	
9.9%	-2,989	-3,618	-628	
11.1%	-3,294	-3,840	-545	
12.3%	-3,382	-4,004	-622	
13.6%	-3,411	-4,172	-761	
14.8%	-3,732	-4,273	-541	
16.0%	-3,949	-4,285	-335	
17.3%	-4,084	-4,310	-227	
18.5%	-4,131	-4,399	-268	
19.8%	-4,243	-4,458	-215	
21.0%	-4,344	-4,468	-124	
22.2%	-4,479	-4,528	-49	
23.5%	-4,663	-4,612	51	
24.7%	-4,766	-4,818	-53	
25.9%	-4,838	-5,014	-176	
27.2%	-5,019	-5,016	4	
28.4%	-5,058	-5,036	22	
29.6%	-5,277	-5,780	-503	
30.9%	-5,755	-6,861	-1,106	
32.1%	-5,839	-7,010	-1,172	
33.3%	-5,848	-7,221	-1,373	
34.6%	-5,892	-7,272	-1,380	
35.8%	-6,181	-7,315	-1,134	
37.0%	-6,244	-7,339	-1,095	
38.3%	-6,252	-7,909	-1,657	
39.5%	-6,687	-7,920	-1,233	
40.7%	-7,086	-8,112	-1,027	
42.0%	-7,388	-8,342	-955	
43.2%	-7,444	-8,393	-949	
44.4%	-7,515	-8,436	-920	
45.7%	-7,961	-8,537	-576	
46.9%	-7,990	-8,595	-605	
48.1%	-8,061	-8,709	-647	
49.4%	-8,115	-8,735	-620	
50.6%	-8,117	-8,767	-650	
51.9%	-8,250	-8,782	-532	
53.1%	-8,487	-8,844	-357	
54.3%	-8,539	-8,852	-313	
55.6%	-8,579	-8,973	-394	
56.8%	-8,596	-9,311	-715	
58.0%	-8,605	-9,314	-709	
59.3%	-8,768	-9,454	-687	
60.5%	-8,897	-9,455	-559	
61.7%	-8,926	-9,478	-552	
63.0%	-9,070	-9,609	-539	
64.2%	-9,320	-9,772	-452	
65.4%	-9,414	-9,864	-450	
66.7%	-9,451	-9,868	-417	
67.9%	-9,495	-10,114	-619	
69.1%	-9,530	-10,145	-614	
70.4%	-9,556	-10,285	-729	
71.6%	-9,567	-10,308	-741	
72.8%	-9,742	-10,439	-697	
74.1%	-9,818	-10,455	-637	
75.3%	-9,825	-10,556	-730	
76.5%	-9,925	-10,560	-635	
77.8%	-9,968	-10,589	-620	
79.0%	-10,218	-10,599	-381	
80.2%	-10,285	-10,615	-330	
81.5%	-10,308	-10,657	-349	
82.7%	-10,422	-10,666	-244	
84.0%	-10,437	-10,695	-258	
85.2%	-10,439	-10,720	-281	
86.4%	-10,455	-10,790	-335	
87.7%	-10,485	-10,791	-306	
88.9%	-10,556	-10,794	-239	
90.1%	-10,588	-10,827	-239	
91.4%	-10,590	-10,835	-245	
92.6%	-10,720	-10,857	-137	
93.8%	-10,794	-10,885	-91	
95.1%	-10,900	-10,899	1	
96.3%	-10,907	-10,907	0	
97.5%	-10,923	-10,923	0	
98.8%	-10,924	-10,924	0	
100.0%	-10,998	-10,998	0	

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	-1,404	-1,552	-148	
1.2%	-1,555	-1,859	-305	
2.5%	-1,646	-2,064	-417	
3.7%	-1,784	-2,508	-724	
4.9%	-1,945	-2,545	-601	
6.2%	-2,393	-2,701	-308	
7.4%	-2,466	-2,740	-273	
8.6%	-3,033	-3,107	-75	
9.9%	-3,115	-3,262	-147	
11.1%	-3,179	-3,270	-90	
12.3%	-3,202	-3,681	-479	
13.6%	-3,370	-3,909	-539	
14.8%	-3,513	-4,073	-559	
16.0%	-3,514	-4,254	-739	
17.3%	-3,774	-4,470	-697	
18.5%	-3,783	-4,566	-783	
19.8%	-3,974	-5,208	-1,234	
21.0%	-4,023	-5,546	-1,523	
22.2%	-4,310	-5,714	-1,404	
23.5%	-4,325	-5,727	-1,402	
24.7%	-4,353	-5,980	-1,627	
25.9%	-4,724	-6,023	-1,300	
27.2%	-4,747	-6,319	-1,572	
28.4%	-4,754	-6,386	-1,632	
29.6%	-5,088	-6,539	-1,451	
30.9%	-5,216	-6,571	-1,355	
32.1%	-5,489	-6,655	-1,166	
33.3%	-5,517	-6,661	-1,144	
34.6%	-5,663	-6,723	-1,059	
35.8%	-5,728	-6,771	-1,042	
37.0%	-5,811	-6,804	-993	
38.3%	-5,927	-6,828	-902	
39.5%	-6,089	-6,829	-741	
40.7%	-6,163	-7,001	-838	
42.0%	-6,208	-7,165	-957	
43.2%	-6,241	-7,269	-1,028	
44.4%	-6,299	-7,329	-1,031	
45.7%	-6,328	-7,378	-1,050	
46.9%	-6,652	-7,477	-825	
48.1%	-6,702	-7,557	-855	
49.4%	-6,771	-7,648	-877	
50.6%	-6,772	-7,785	-1,014	
51.9%	-6,846	-7,855	-1,010	
53.1%	-6,886	-7,933	-1,047	
54.3%	-6,916	-7,980	-1,064	
55.6%	-7,025	-8,001	-976	
56.8%	-7,179	-8,029	-851	
58.0%	-7,182	-8,165	-983	
59.3%	-7,288	-8,173	-885	
60.5%	-7,369	-8,203	-834	
61.7%	-7,507	-8,260	-753	
63.0%	-7,550	-8,486	-936	
64.2%	-7,595	-8,505	-910	
65.4%	-7,647	-8,525	-878	
66.7%	-7,778	-8,636	-858	
67.9%	-7,800	-8,859	-1,059	
69.1%	-7,833	-8,881	-1,048	
70.4%	-8,070	-8,948	-878	
71.6%	-8,157	-8,982	-825	
72.8%	-8,204	-9,007	-803	
74.1%	-8,208	-9,214	-1,006	
75.3%	-8,372	-9,305	-934	
76.5%	-8,472	-9,381	-909	
77.8%	-8,521	-9,413	-892	
79.0%	-8,541	-9,545	-1,003	
80.2%	-8,596	-9,549	-953	
81.5%	-8,700	-9,698	-998	
82.7%	-8,856	-9,731	-874	
84.0%	-8,882	-9,780	-898	
85.2%	-8,989	-9,785	-795	
86.4%	-9,016	-9,785	-769	
87.7%	-9,090	-9,850	-760	
88.9%	-9,115	-9,920	-805	
90.1%	-9,191	-9,953	-762	
91.4%	-9,568	-9,998	-429	
92.6%	-9,656	-10,091	-436	
93.8%	-9,972	-10,097	-125	
95.1%	-10,129	-10,143	-14	
96.3%	-10,143	-10,362	-219	
97.5%	-10,324	-10,383	-58	
98.8%	-10,383	-10,461	-78	
100.0%	-10,455	-10,464	-9	

Figure SW-36-b
Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion
Probability of Exceedance

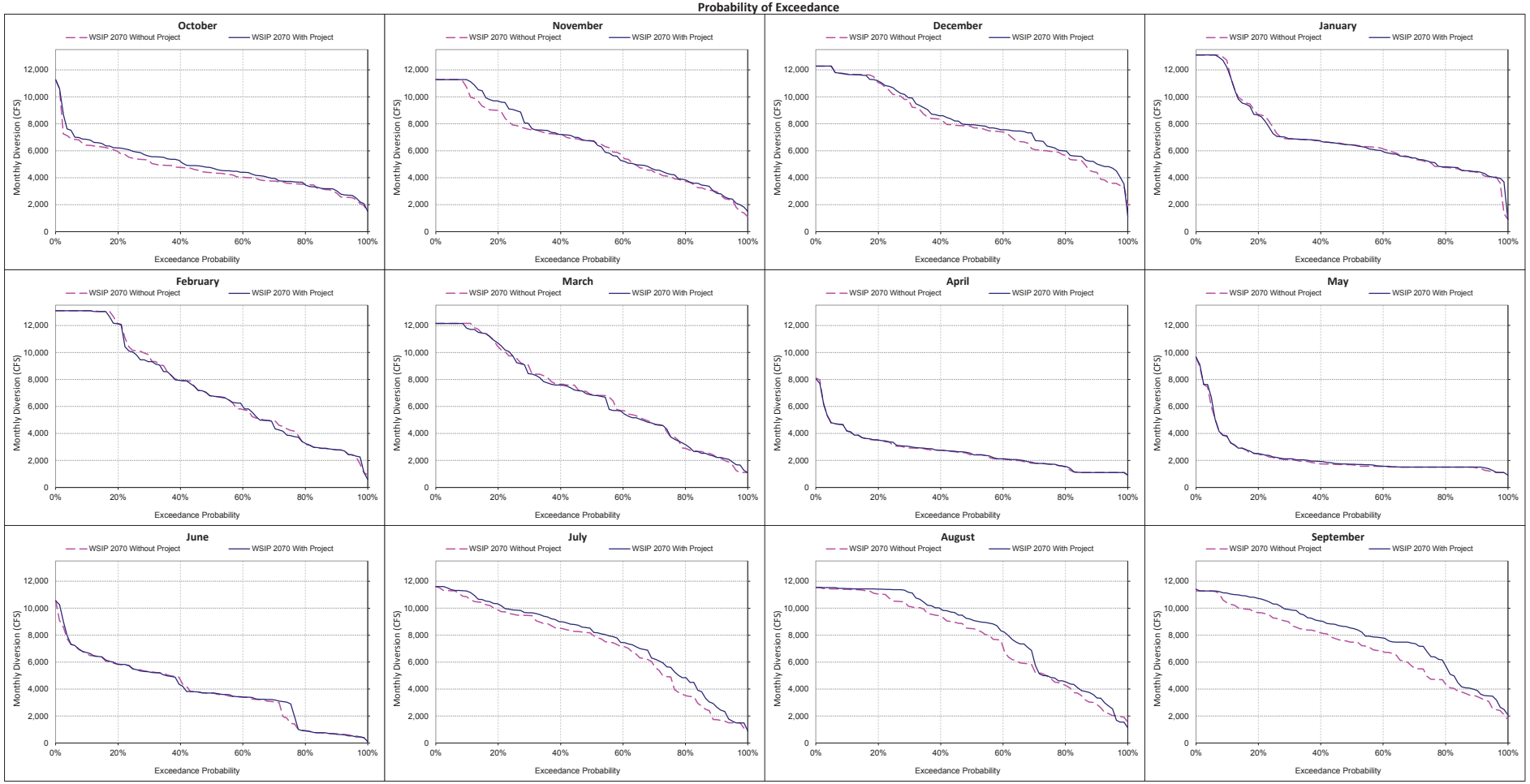


Table SW-36-b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,252	-28	-0.2%
1.2%	10,597	10,609	11	0.1%
2.5%	7,246	8,667	1,421	19.6%
3.7%	7,123	7,617	494	6.9%
4.9%	6,888	7,522	634	9.2%
6.2%	6,837	6,998	161	2.4%
7.4%	6,807	6,992	184	2.7%
8.6%	6,550	6,876	326	5.0%
9.9%	6,409	6,850	441	6.9%
11.1%	6,401	6,800	398	6.2%
12.3%	6,358	6,624	266	4.2%
13.6%	6,327	6,596	268	4.2%
14.8%	6,284	6,531	247	3.9%
16.0%	6,236	6,372	137	2.2%
17.3%	6,160	6,352	192	3.1%
18.5%	6,071	6,227	156	2.6%
19.8%	5,973	6,211	238	4.0%
21.0%	5,742	6,191	449	7.8%
22.2%	5,721	6,128	407	7.1%
23.5%	5,518	6,083	565	10.2%
24.7%	5,448	5,956	508	9.3%
25.9%	5,393	5,906	513	9.5%
27.2%	5,363	5,871	509	9.5%
28.4%	5,348	5,720	372	6.9%
29.6%	5,317	5,615	298	5.6%
30.9%	5,052	5,564	512	10.1%
32.1%	4,993	5,553	560	11.2%
33.3%	4,928	5,545	618	12.5%
34.6%	4,926	5,522	596	12.1%
35.8%	4,913	5,398	484	9.9%
37.0%	4,909	5,363	455	9.3%
38.3%	4,789	5,358	568	11.9%
39.5%	4,777	5,280	503	10.5%
40.7%	4,756	5,084	328	6.9%
42.0%	4,734	4,922	187	4.0%
43.2%	4,712	4,904	192	4.1%
44.4%	4,614	4,896	282	6.1%
45.7%	4,557	4,880	323	7.1%
46.9%	4,445	4,853	408	9.2%
48.1%	4,407	4,788	381	8.6%
49.4%	4,386	4,760	373	8.5%
50.6%	4,369	4,696	326	7.5%
51.9%	4,329	4,596	267	6.2%
53.1%	4,327	4,540	213	4.9%
54.3%	4,274	4,522	248	5.8%
55.6%	4,240	4,514	274	6.5%
56.8%	4,202	4,484	282	6.7%
58.0%	4,071	4,483	412	10.1%
59.3%	4,044	4,402	358	8.9%
60.5%	4,026	4,397	371	9.2%
61.7%	4,007	4,378	371	9.2%
63.0%	4,006	4,272	266	6.6%
64.2%	3,946	4,170	225	5.7%
65.4%	3,837	4,159	322	8.4%
66.7%	3,792	4,120	328	8.7%
67.9%	3,778	4,031	254	6.7%
69.1%	3,758	3,958	200	5.3%
70.4%	3,747	3,943	195	5.2%
71.6%	3,690	3,775	86	2.3%
72.8%	3,687	3,750	63	1.7%
74.1%	3,593	3,736	143	4.0%
75.3%	3,571	3,725	154	4.3%
76.5%	3,558	3,696	138	3.9%
77.8%	3,538	3,667	128	3.6%
79.0%	3,522	3,664	141	4.0%
80.2%	3,504	3,439	-65	-1.9%
81.5%	3,475	3,345	-130	-3.7%
82.7%	3,461	3,321	-140	-4.0%
84.0%	3,201	3,290	89	2.8%
85.2%	3,184	3,212	28	0.9%
86.4%	3,122	3,189	66	2.1%
87.7%	3,113	3,179	66	2.1%
88.9%	3,022	3,170	148	4.9%
90.1%	2,841	3,016	175	6.1%
91.4%	2,572	2,776	204	7.9%
92.6%	2,552	2,735	183	7.2%
93.8%	2,541	2,706	165	6.5%
95.1%	2,524	2,685	162	6.4%
96.3%	2,372	2,502	130	5.5%
97.5%	2,088	2,209	121	5.8%
98.8%	1,936	2,067	131	6.8%
100.0%	1,469	1,516	47	3.2%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,280	0	0.0%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,280	11,280	0	0.0%
6.2%	11,280	11,280	0	0.0%
7.4%	11,280	11,280	0	0.0%
8.6%	11,155	11,280	125	1.1%
9.9%	10,711	11,280	569	5.3%
11.1%	9,980	11,133	1,153	11.6%
12.3%	9,883	10,883	1,000	10.1%
13.6%	9,685	10,523	838	8.7%
14.8%	9,317	10,457	1,140	12.2%
16.0%	9,179	9,931	752	8.2%
17.3%	9,033	9,796	763	8.4%
18.5%	9,020	9,694	675	7.5%
19.8%	9,000	9,692	691	7.7%
21.0%	8,903	9,603	700	7.9%
22.2%	8,402	9,578	1,176	14.0%
23.5%	8,136	9,095	959	11.8%
24.7%	7,909	9,061	1,151	14.6%
25.9%	7,868	8,959	1,091	13.9%
27.2%	7,751	8,863	1,112	14.3%
28.4%	7,681	8,068	387	5.0%
29.6%	7,597	8,041	444	5.8%
30.9%	7,552	7,629	77	1.0%
32.1%	7,547	7,544	-3	0.0%
33.3%	7,445	7,541	96	1.3%
34.6%	7,361	7,515	153	2.1%
35.8%	7,269	7,500	231	3.2%
37.0%	7,268	7,361	93	1.3%
38.3%	7,244	7,336	92	1.3%
39.5%	7,176	7,222	46	0.6%
40.7%	7,161	7,204	43	0.6%
42.0%	6,989	7,181	192	2.8%
43.2%	6,918	7,140	222	3.2%
44.4%	6,905	6,993	88	1.3%
45.7%	6,871	6,983	113	1.6%
46.9%	6,773	6,822	49	0.7%
48.1%	6,768	6,754	-14	-0.2%
49.4%	6,726	6,747	22	0.3%
50.6%	6,690	6,732	42	0.6%
51.9%	6,529	6,415	-114	-1.8%
53.1%	6,470	6,292	-178	-2.7%
54.3%	6,301	5,880	-422	-6.7%
55.6%	6,228	5,827	-400	-6.4%
56.8%	5,903	5,642	-261	-4.4%
58.0%	5,887	5,596	-292	-5.0%
59.3%	5,749	5,290	-459	-8.0%
60.5%	5,403	5,217	-186	-3.4%
61.7%	5,366	5,083	-283	-5.3%
63.0%	5,086	5,055	-30	-0.6%
64.2%	4,947	4,963	16	0.3%
65.4%	4,727	4,940	212	4.5%
66.7%	4,701	4,914	213	4.5%
67.9%	4,570	4,850	280	6.1%
69.1%	4,553	4,688	134	2.9%
70.4%	4,369	4,579	211	4.8%
71.6%	4,293	4,559	265	6.2%
72.8%	4,151	4,432	281	6.8%
74.1%	4,119	4,316	196	4.8%
75.3%	4,082	4,252	171	4.2%
76.5%	3,917	4,218	301	7.7%
77.8%	3,883	3,927	44	1.1%
79.0%	3,785	3,878	93	2.5%
80.2%	3,725	3,831	106	2.9%
81.5%	3,650	3,674	25	0.7%
82.7%	3,494	3,597	103	2.9%
84.0%	3,259	3,587	328	10.0%
85.2%	3,252	3,459	207	6.4%
86.4%	3,139	3,418	278	8.9%
87.7%	3,074	3,365	291	9.5%
88.9%	3,036	3,035	-1	0.0%
90.1%	2,951	2,847	-104	-3.5%
91.4%	2,688	2,794	105	3.9%
92.6%	2,448	2,580	131	5.4%
93.8%	2,389	2,462	73	3.1%
95.1%	2,339	2,418	79	3.4%
96.3%	1,793	2,111	318	17.7%
97.5%	1,500	1,990	490	32.7%
98.8%	1,384	1,813	429	31.0%
100.0%	1,100	1,500	400	36.4%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,278	12,278	0	0.0%
1.2%	12,278	12,278	0	0.0%
2.5%	12,278	12,278	0	0.0%
3.7%	12,278	12,278	0	0.0%
4.9%	12,278	12,278	0	0.0%
6.2%	11,824	11,804	-20	-0.2%
7.4%	11,748	11,765	18	0.1%
8.6%	11,717	11,748	31	0.3%
9.9%	11,689	11,663	-25	-0.2%
11.1%	11,686	11,654	-31	-0.3%
12.3%	11,663	11,648	-15	-0.1%
13.6%	11,654	11,642	-12	-0.1%
14.8%	11,648	11,616	-32	-0.3%
16.0%	11,642	11,596	-47	-0.4%
17.3%	11,616	11,300	-316	-2.7%
18.5%	11,498	11,284	-213	-1.9%
19.8%	11,086	11,205	119	1.1%
21.0%	10,965	11,043	77	0.7%
22.2%	10,713	10,829	116	1.1%
23.5%	10,495	10,787	292	2.8%
24.7%	10,185	10,689	504	5.0%
25.9%	10,137	10,454	318	3.1%
27.2%	10,054	10,254	200	2.0%
28.4%	9,812	10,185	372	3.8%
29.6%	9,803	9,928	124	1.3%
30.9%	9,233	9,920	687	7.4%
32.1%	9,195	9,486	292	3.2%
33.3%	9,046	9,351	305	3.4%
34.6%	8,711	9,195	484	5.6%
35.8%	8,508	9,046	538	6.3%
37.0%	8,400	8,711	311	3.7%
38.3%	8,373	8,677	304	3.6%
39.5%	8,351	8,603	252	3.0%
40.7%	8,199	8,596	397	4.8%
42.0%	7,943	8,467	524	6.6%
43.2%	7,936	8,378	442	5.6%
44.4%	7,892	8,224	333	4.2%
45.7%	7,872	8,199	327	4.2%
46.9%	7,865	7,991	125	1.6%
48.1%	7,847	7,943	96	1.2%
49.4%	7,838	7,936	99	1.3%
50.6%	7,705	7,925	220	2.9%
51.9%	7,688	7,892	203	2.6%
53.1%	7,663	7,847	184	2.4%
54.3%	7,561	7,838	277	3.7%
55.6%	7,477	7,705	228	3.0%
56.8%	7,457	7,688	231	3.1%
58.0%	7,443	7,645	202	2.7%
59.3%	7,407	7,561	153	2.1%
60.5%	7,375	7,557	182	2.5%
61.7%	7,198	7,551	353	4.9%
63.0%	6,959	7,488	530	7.6%
64.2%	6,728	7,472	745	11.1%
65.4%	6,675	7,457	783	11.7%
66.7%	6,655	7,422	767	11.5%
67.9%	6,571	7,333	762	11.6%
69.1%	6,169	7,331	1,163	18.9%
70.4%	6,072	6,759	687	11.3%
71.6%	6,065	6,728	662	10.9%
72.8%	6,020	6,688	668	11.1%
74.1%	5,997	6,351	354	5.9%
75.3%	5,953	6,291	338	5.7%
76.5%	5,915	6,212	297	5.0%
77.8%	5,891	6,039	148	2.5%
79.0%	5,711	6,003	292	5.1%
80.2%	5,642	5,986	344	6.1%
81.5%	5,353	5,657	304	5.7%
82.7%	5,315	5,616	301	5.7%
84.0%	5,309	5,587	278	5.2%
85.2%	5,265	5,572	306	5.8%
86.4%	4,937	5,307	370	7.5%
87.7%	4,540	5,239	699	15.4%
88.9%	4,443	5,205	762	17.1%
90.1%	4,393	5,015	622	14.2%
91.4%	3,882	4,927	1,045	26.9%
92.6%	3,834	4,831	998	26.0%
93.8%	3,601	4,831	1,229	34.1%
95.1%	3,590	4,715	1,125	31.4%
96.3%	3,584	4,502	918	25.6%
97.5%	3,426	4,050	624	18.2%
98.8%	3,380	3,526	145	4.3%
100.0%	1,928	1,118	-809	-42.0%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,100	13,100	0	0.0%
1.2%	13,100	13,100	0	0.0%
2.5%	13,100	13,100	0	0.0%
3.7%	13,100	13,100	0	0.0%
4.9%	13,100	13,100	0	0.0%
6.2%	13,100	13,100	0	0.0%
7.4%	13,100	12,943	-157	-1.2%
8.6%	12,950	12,700	-250	-1.9%
9.9%	12,719	12,202	-517	-4.1%
11.1%	11,427	11,442	15	0.1%
12.3%	10,600	10,576	-24	-0.2%
13.6%	9,973	9,827	-146	-1.5%
14.8%	9,761	9,542	-219	-2.2%
16.0%	9,542	9,447	-95	-1.0%
17.3%	9,471	9,291	-180	-1.9%
18.5%	9,073	8,706	-368	-4.1%
19.8%	8,706	8,650	-56	-0.6%
21.0%	8,650	8,524	-126	-1.5%
22.2%	8,556	8,177	-379	-4.4%
23.5%	8,177	7,740	-437	-5.3%
24.7%	7,740	7,279	-461	-6.0%
25.9%	7,280	7,069	-211	-2.9%
27.2%	7,023	7,047	24	0.3%
28.4%	6,901	7,023	122	1.8%
29.6%	6,884	6,903	19	0.3%
30.9%	6,881	6,883	3	0.0%
32.1%	6,875	6,858	-17	-0.2%
33.3%	6,848	6,855	7	0.1%
34.6%	6,827	6,848	20	0.3%
35.8%	6,806	6,828	22	0.3%
37.0%	6,806	6,807	1	0.0%
38.3%	6,806	6,750	-56	-0.8%
39.5%	6,746	6,747	0	0.0%
40.7%	6,646	6,646	0	0.0%
42.0%	6,638	6,638	0	0.0%
43.2%	6,601	6,613	12	0.2%
44.4%	6,601	6,572	-29	-0.4%
45.7%	6,572	6,539	-33	-0.5%
46.9%	6,539	6,489	-50	-0.8%
48.1%	6,453	6,470	17	0.3%
49.4%	6,442	6,443	1	0.0%
50.6%	6,429	6,429	0	0.0%
51.9%	6,390	6,339	-52	-0.8%
53.1%	6,338	6,312	-26	-0.4%
54.3%	6,312	6,251	-61	-1.0%
55.6%	6,288	6,141	-147	-2.3%
56.8%	6,275	6,091	-184	-2.9%
58.0%	6,247	6,046	-201	-3.2%
59.3%	6,198	6,025	-173	-2.8%
60.5%	6,091	5,881	-210	-3.4%
61.7%	6,041	5,827	-214	-3.6%
63.0%	5,907	5,779	-128	-2.2%
64.2%	5,827	5,750	-76	-1.3%
65.4%	5,660	5,620	-39	-0.7%
66.7%	5,630	5,572	-58	-1.0%
67.9%	5,572	5,563	-9	-0.2%
69.1%	5,469	5,475	6	0.1%
70.4%	5,339	5,469	130	2.4%
71.6%	5,322	5,339	17	0.3%
72.8%	5,253	5,322	69	1.3%
74.1%	5,151	5,253	102	2.0%
75.3%	5,108	5,151	44	0.9%
76.5%	4,841	5,108	267	5.5%
77.8%	4,811	4,841	30	0.6%
79.0%	4,784	4,811	26	0.5%
80.2%	4,759	4,800	40	0.8%
81.5%	4,742	4,784	43	0.9%
82.7%	4,714	4,759	46	1.0%
84.0%	4,661	4,742	81	1.7%
85.2%	4,570	4,530	-40	-0.9%
86.4%	4,509	4,513	4	0.1%
87.7%	4,459	4,509	51	1.1%
88.9%	4,450	4,455	5	0.1%
90.1%	4,397	4,450	54	1.2%
91.4%	4,306	4,394	88	2.0%
92.6%	4,118	4,306	187	4.6%
93.8%	4,080	4,114	34	0.8%
95.1%	4,058	4,060	3	0.1%
96.3%	4,053	4,006	-47	-1.2%
97.5%	3,598	3,956	358	10.0%
98.8%	1,333	3,691	2,358	176.9%
100.0%	900	900	0	0.0%

Table SW-36-b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,100	13,100	0	0.0%
1.2%	13,100	13,100	0	0.0%
2.5%	13,100	13,100	0	0.0%
3.7%	13,100	13,100	0	0.0%
4.9%	13,100	13,100	0	0.0%
6.2%	13,100	13,100	0	0.0%
7.4%	13,100	13,100	0	0.0%
8.6%	13,100	13,100	0	0.0%
9.9%	13,100	13,100	0	0.0%
11.1%	13,100	13,100	0	0.0%
12.3%	13,100	13,037	-63	-0.5%
13.6%	13,037	13,037	0	0.0%
14.8%	13,037	13,037	0	0.0%
16.0%	13,037	13,037	0	0.0%
17.3%	13,037	12,628	-409	-3.1%
18.5%	12,650	12,163	-486	-3.8%
19.8%	12,165	12,133	-32	-0.3%
21.0%	12,080	12,051	-28	-0.2%
22.2%	11,066	10,418	-648	-5.9%
23.5%	10,418	10,101	-317	-3.0%
24.7%	10,155	10,035	-120	-1.2%
25.9%	10,127	9,823	-304	-3.0%
27.2%	10,094	9,454	-640	-6.3%
28.4%	9,959	9,453	-506	-5.1%
29.6%	9,854	9,329	-524	-5.3%
30.9%	9,338	9,326	-12	-0.1%
32.1%	9,326	9,129	-196	-2.1%
33.3%	9,071	9,071	0	0.0%
34.6%	9,030	8,598	-431	-4.8%
35.8%	8,561	8,561	0	0.0%
37.0%	8,302	8,302	0	0.0%
38.3%	8,036	7,973	-63	-0.8%
39.5%	7,973	7,932	-41	-0.5%
40.7%	7,930	7,899	-31	-0.4%
42.0%	7,899	7,889	-10	-0.1%
43.2%	7,889	7,677	-212	-2.7%
44.4%	7,494	7,494	0	0.0%
45.7%	7,188	7,188	0	0.0%
46.9%	7,170	7,173	3	0.0%
48.1%	7,049	7,054	5	0.1%
49.4%	6,800	6,800	0	0.0%
50.6%	6,751	6,751	0	0.0%
51.9%	6,728	6,728	0	0.0%
53.1%	6,708	6,656	-52	-0.8%
54.3%	6,656	6,625	-31	-0.5%
55.6%	6,480	6,480	0	0.0%
56.8%	6,235	6,303	68	1.1%
58.0%	5,818	6,252	433	7.4%
59.3%	5,816	6,235	419	7.2%
60.5%	5,739	5,818	79	1.4%
61.7%	5,693	5,816	123	2.2%
63.0%	5,251	5,579	328	6.2%
64.2%	5,136	5,251	115	2.2%
65.4%	5,091	4,998	-93	-1.8%
66.7%	4,998	4,975	-23	-0.5%
67.9%	4,964	4,957	-7	-0.1%
69.1%	4,957	4,919	-38	-0.8%
70.4%	4,912	4,342	-570	-11.6%
71.6%	4,598	4,248	-350	-7.6%
72.8%	4,522	4,164	-358	-7.9%
74.1%	4,342	3,875	-467	-10.8%
75.3%	4,221	3,826	-395	-9.4%
76.5%	4,164	3,752	-412	-9.9%
77.8%	3,826	3,725	-102	-2.7%
79.0%	3,392	3,392	0	0.0%
80.2%	3,175	3,241	66	2.1%
81.5%	3,121	3,125	3	0.1%
82.7%	2,970	2,960	-11	-0.4%
84.0%	2,942	2,942	0	0.0%
85.2%	2,898	2,898	0	0.0%
86.4%	2,898	2,898	0	0.0%
87.7%	2,860	2,860	0	0.0%
88.9%	2,817	2,817	0	0.0%
90.1%	2,781	2,781	0	0.0%
91.4%	2,772	2,767	-5	-0.2%
92.6%	2,698	2,698	0	0.0%
93.8%	2,437	2,437	0	0.0%
95.1%	2,405	2,405	0	0.0%
96.3%	2,248	2,313	65	2.9%
97.5%	1,738	2,248	510	29.4%
98.8%	1,100	1,100	0	0.0%
100.0%	918	607	-311	-33.9%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,161	12,161	0	0.0%
1.2%	12,161	12,161	0	0.0%
2.5%	12,161	12,161	0	0.0%
3.7%	12,161	12,161	0	0.0%
4.9%	12,161	12,161	0	0.0%
6.2%	12,161	12,161	0	0.0%
7.4%	12,161	12,161	0	0.0%
8.6%	12,161	12,161	0	0.0%
9.9%	12,161	11,802	-359	-3.0%
11.1%	12,161	11,714	-446	-3.7%
12.3%	11,844	11,711	-133	-1.1%
13.6%	11,721	11,494	-226	-1.9%
14.8%	11,434	11,434	0	0.0%
16.0%	11,401	11,401	0	0.0%
17.3%	11,189	11,189	0	0.0%
18.5%	10,911	10,911	0	0.0%
19.8%	10,480	10,726	246	2.4%
21.0%	10,187	10,480	293	2.9%
22.2%	10,058	10,188	130	1.3%
23.5%	9,751	10,063	312	3.2%
24.7%	9,746	9,751	5	0.1%
25.9%	9,556	9,250	-305	-3.2%
27.2%	9,250	9,164	-87	-0.9%
28.4%	9,109	9,082	-27	-0.3%
29.6%	9,082	8,438	-644	-7.1%
30.9%	8,400	8,400	0	0.0%
32.1%	8,395	8,302	-93	-1.1%
33.3%	8,390	8,130	-260	-3.1%
34.6%	8,279	7,835	-444	-5.4%
35.8%	8,130	7,743	-387	-4.8%
37.0%	7,835	7,649	-187	-2.4%
38.3%	7,684	7,592	-92	-1.2%
39.5%	7,649	7,591	-58	-0.8%
40.7%	7,649	7,572	-77	-1.0%
42.0%	7,592	7,507	-86	-1.1%
43.2%	7,591	7,369	-222	-2.9%
44.4%	7,576	7,219	-357	-4.7%
45.7%	7,219	7,168	-52	-0.7%
46.9%	7,153	7,153	0	0.0%
48.1%	7,123	6,958	-165	-2.3%
49.4%	6,916	6,873	-43	-0.6%
50.6%	6,873	6,821	-52	-0.8%
51.9%	6,821	6,808	-14	-0.2%
53.1%	6,817	6,743	-74	-1.1%
54.3%	6,808	6,691	-117	-1.7%
55.6%	6,691	5,775	-916	-13.7%
56.8%	6,416	5,695	-721	-11.2%
58.0%	5,775	5,695	-80	-1.4%
59.3%	5,695	5,670	-25	-0.4%
60.5%	5,670	5,429	-240	-4.2%
61.7%	5,429	5,286	-144	-2.6%
63.0%	5,390	5,170	-220	-4.1%
64.2%	5,311	5,161	-150	-2.8%
65.4%	5,161	5,054	-107	-2.1%
66.7%	5,054	4,944	-110	-2.2%
67.9%	4,944	4,827	-117	-2.4%
69.1%	4,823	4,770	-54	-1.1%
70.4%	4,654	4,654	0	0.0%
71.6%	4,594	4,645	51	1.1%
72.8%	4,583	4,583	0	0.0%
74.1%	4,118	4,321	203	4.9%
75.3%	3,733	3,733	0	0.0%
76.5%	3,729	3,556	-173	-4.7%
77.8%	3,485	3,428	-57	-1.6%
79.0%	2,919	3,291	372	12.7%
80.2%	2,887	3,143	256	8.9%
81.5%	2,747	2,919	172	6.3%
82.7%	2,730	2,666	-63	-2.3%
84.0%	2,666	2,656	-11	-0.4%
85.2%	2,656	2,524	-132	-5.0%
86.4%	2,535	2,517	-18	-0.7%
87.7%	2,524	2,412	-111	-4.4%
88.9%	2,412	2,328	-85	-3.5%
90.1%	2,214	2,219	5	0.2%
91.4%	2,144	2,214	70	3.3%
92.6%	1,990	2,144	153	7.7%
93.8%	1,886	2,079	193	10.2%
95.1%	1,652	1,886	233	14.1%
96.3%	1,248	1,684	437	35.0%
97.5%	1,100	1,652	552	50.2%
98.8%	1,100	1,248	148	13.4%
100.0%	1,100	1,100	0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,098	8,057	-42	-0.5%
1.2%	7,975	7,700	-275	-3.5%
2.5%	6,170	6,164	-6	-0.1%
3.7%	5,312	5,296	-16	-0.3%
4.9%	4,724	4,790	66	1.4%
6.2%	4,705	4,724	19	0.4%
7.4%	4,674	4,689	15	0.3%
8.6%	4,667	4,649	-17	-0.4%
9.9%	4,190	4,174	-16	-0.4%
11.1%	4,125	4,107	-17	-0.4%
12.3%	3,867	3,865	-3	-0.1%
13.6%	3,865	3,863	-2	0.0%
14.8%	3,686	3,686	0	0.0%
16.0%	3,606	3,624	18	0.5%
17.3%	3,534	3,606	72	2.0%
18.5%	3,533	3,534	1	0.0%
19.8%	3,495	3,533	38	1.1%
21.0%	3,477	3,467	-10	-0.3%
22.2%	3,381	3,450	69	2.1%
23.5%	3,365	3,365	1	0.0%
24.7%	3,119	3,349	230	7.4%
25.9%	3,056	3,119	63	2.1%
27.2%	3,046	3,090	44	1.4%
28.4%	2,982	3,056	74	2.5%
29.6%	2,921	3,046	125	4.3%
30.9%	2,912	2,982	70	2.4%
32.1%	2,904	2,956	53	1.8%
33.3%	2,895	2,921	26	0.9%
34.6%	2,880	2,912	32	1.1%
35.8%	2,802	2,880	78	2.8%
37.0%	2,766	2,879	113	4.1%
38.3%	2,763	2,766	3	0.1%
39.5%	2,757	2,764	6	0.2%
40.7%	2,739	2,757	18	0.7%
42.0%	2,697	2,724	28	1.0%
43.2%	2,674	2,697	23	0.8%
44.4%	2,646	2,674	28	1.1%
45.7%	2,602	2,646	44	1.7%
46.9%	2,594	2,636	42	1.6%
48.1%	2,544	2,594	50	2.0%
49.4%	2,423	2,538	115	4.8%
50.6%	2,417	2,417	0	0.0%
51.9%	2,416	2,413	-3	-0.1%
53.1%	2,413	2,402	-11	-0.5%
54.3%	2,375	2,375	0	0.0%
55.6%	2,213	2,322	110	5.0%
56.8%	2,128	2,213	84	4.0%
58.0%	2,115	2,128	13	0.6%
59.3%	2,083	2,121	38	1.8%
60.5%	2,082	2,115	33	1.6%
61.7%	2,060	2,082	23	1.1%
63.0%	2,006	2,067	61	3.0%
64.2%	1,993	2,060	67	3.4%
65.4%	1,983	2,020	37	1.9%
66.7%	1,901	1,993	92	4.9%
67.9%	1,860	1,901	40	2.2%
69.1%	1,784	1,860	77	4.3%
70.4%	1,778	1,784	6	0.3%
71.6%	1,776	1,776	0	0.0%
72.8%	1,758	1,766	8	0.5%
74.1%	1,747	1,736	-11	-0.6%
75.3%	1,711	1,711	0	0.0%
76.5%	1,710	1,710	0	0.0%
77.8%	1,622	1,622	0	0.0%
79.0%	1,584	1,584	0	0.0%
80.2%	1,473	1,550	76	5.2%
81.5%	1,266	1,410	145	11.4%
82.7%	1,133	1,162	29	2.5%
84.0%	1,100	1,128	28	2.5%
85.2%	1,100	1,100	0	0.0%
86.4%	1,100	1,100	0	0.0%
87.7%	1,100	1,100	0	0.0%
88.9%	1,100	1,100	0	0.0%
90.1%	1,100	1,100	0	0.0%
91.4%	1,100	1,100	0	0.0%
92.6%	1,100	1,100	0	0.0%
93.8%	1,100	1,100	0	0.0%
95.1%	1,100	1,100	0	0.0%
96.3%	1,100	1,100	0	0.0%
97.5%	1,100	1,100	0	0.0%
98.8%	1,100	1,100	0	0.0%
100.0%	900	900	0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,664	9,664	0	0.0%
1.2%	8,938	9,109	171	1.9%
2.5%	7,629	7,636	7	0.1%
3.7%	7,441	7,622	182	2.4%
4.9%	5,953	6,693	740	12.4%
6.2%	5,041	5,025	-16	-0.3%
7.4%	4,184	4,160	-24	-0.6%
8.6%	3,869	3,848	-22	-0.6%
9.9%	3,825	3,804	-22	-0.6%
11.1%	3,308	3,300	-8	-0.3%
12.3%	3,147	3,147	0	0.0%
13.6%	2,919	2,919	0	0.0%
14.8%	2,908	2,907	0	0.0%
16.0%	2,802	2,781	-21	-0.7%
17.3%	2,528	2,696	168	6.6%
18.5%	2,527	2,529	1	0.0%
19.8%	2,494	2,504	10	0.4%
21.0%	2,394	2,471	77	3.2%
22.2%	2,390	2,394	4	0.2%
23.5%	2,252	2,367	116	5.1%
24.7%	2,222	2,252	30	1.4%
25.9%	2,114	2,222	108	5.1%
27.2%	2,109	2,150	41	2.0%
28.4%	2,050	2,121	71	3.4%
29.6%	2,048	2,115	67	3.3%
30.9%	2,042	2,112	69	3.4%
32.1%	1,999	2,050	51	2.6%
33.3%	1,951	2,048	97	5.0%
34.6%	1,937	2,042	106	5.5%
35.8%	1,917	1,999	82	4.3%
37.0%	1,842	1,951	109	5.9%
38.3%	1,800	1,941	141	7.8%
39.5%	1,747	1,937	190	10.9%
40.7%	1,737	1,917	179	10.3%
42.0%	1,732	1,842	110	6.3%
43.2%	1,725	1,835	110	6.4%
44.4%	1,709	1,779	70	4.1%
45.7%	1,695	1,748	53	3.1%
46.9%	1,689	1,737	48	2.9%
48.1%	1,682	1,732	50	3.0%
49.4%	1,681	1,725	44	2.6%
50.6%	1,661	1,709	48	2.9%
51.9%	1,591	1,695	104	6.5%
53.1%	1,570	1,689	120	7.6%
54.3%	1,568	1,682	114	7.3%
55.6%	1,566	1,681	115	7.3%
56.8%	1,565	1,661	96	6.1%
58.0%	1,562	1,590	28	1.8%
59.3%	1,554	1,576	22	1.4%
60.5%	1,550	1,562	12	0.8%
61.7%	1,520	1,555	35	2.3%
63.0%	1,516	1,521	5	0.3%
64.2%	1,511	1,516	5	0.3%
65.4%	1,504	1,511	7	0.5%
66.7%	1,500	1,504	4	0.3%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,500	0	0.0%
77.8%	1,500	1,500	0	0.0%
79.0%	1,500	1,500	0	0.0%
80.2%	1,500	1,500	0	0.0%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,500	1,500	0	0.0%
90.1%	1,433	1,500	67	4.7%
91.4%	1,389	1,500	111	8.0%
92.6%	1,259	1,455	195	15.5%
93.8%	1,222	1,391	169	13.8%
95.1%	1,131	1,252	121	10.7%
96.3%	1,100	1,112	12	1.1%
97.5%	1,100	1,100	0	0.0%
98.8%	1,100	1,100	0	0.0%
100.0%	900	900	0	0.0%

Table SW-36-b

Total Banks Pumping Plant (SWP and CVP) and Jones Pumping Plant (CVP) , Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,590	10,545	-45	-0.4%
1.2%	9,089	10,248	1,159	12.8%
2.5%	8,613	8,990	378	4.4%
3.7%	7,729	7,973	245	3.2%
4.9%	7,318	7,318	0	0.0%
6.2%	7,241	7,235	-6	-0.1%
7.4%	6,981	6,933	-48	-0.7%
8.6%	6,788	6,788	0	0.0%
9.9%	6,628	6,706	79	1.2%
11.1%	6,483	6,628	145	2.2%
12.3%	6,476	6,433	-43	-0.7%
13.6%	6,419	6,420	1	0.0%
14.8%	6,381	6,381	0	0.0%
16.0%	6,061	6,151	90	1.5%
17.3%	6,006	6,061	55	0.9%
18.5%	5,915	6,006	91	1.5%
19.8%	5,850	5,850	0	0.0%
21.0%	5,820	5,830	9	0.2%
22.2%	5,783	5,820	37	0.6%
23.5%	5,752	5,752	0	0.0%
24.7%	5,501	5,502	0	0.0%
25.9%	5,445	5,445	0	0.0%
27.2%	5,425	5,339	-86	-1.6%
28.4%	5,339	5,314	-25	-0.5%
29.6%	5,312	5,277	-35	-0.7%
30.9%	5,277	5,227	-51	-1.0%
32.1%	5,227	5,208	-19	-0.4%
33.3%	5,207	5,207	0	0.0%
34.6%	5,180	5,049	-132	-2.5%
35.8%	5,049	4,977	-72	-1.4%
37.0%	4,977	4,941	-36	-0.7%
38.3%	4,941	4,885	-56	-1.1%
39.5%	4,884	4,356	-528	-10.8%
40.7%	4,356	4,201	-155	-3.6%
42.0%	4,201	3,814	-387	-9.2%
43.2%	3,814	3,813	-2	0.0%
44.4%	3,813	3,801	-11	-0.3%
45.7%	3,789	3,789	0	0.0%
46.9%	3,718	3,719	1	0.0%
48.1%	3,716	3,715	-1	0.0%
49.4%	3,708	3,708	0	0.0%
50.6%	3,699	3,699	0	0.0%
51.9%	3,606	3,667	62	1.7%
53.1%	3,598	3,606	7	0.2%
54.3%	3,585	3,598	13	0.4%
55.6%	3,482	3,585	103	3.0%
56.8%	3,446	3,482	36	1.1%
58.0%	3,441	3,446	4	0.1%
59.3%	3,402	3,442	40	1.2%
60.5%	3,393	3,402	8	0.2%
61.7%	3,383	3,393	10	0.3%
63.0%	3,263	3,384	120	3.7%
64.2%	3,235	3,263	29	0.9%
65.4%	3,226	3,247	21	0.7%
66.7%	3,193	3,235	41	1.3%
67.9%	3,099	3,226	127	4.1%
69.1%	3,078	3,220	143	4.6%
70.4%	3,040	3,194	154	5.1%
71.6%	3,001	3,099	98	3.3%
72.8%	1,960	3,078	1,117	57.0%
74.1%	1,849	3,039	1,190	64.3%
75.3%	1,450	2,905	1,455	100.4%
76.5%	1,417	1,929	512	36.1%
77.8%	1,002	1,002	0	0.0%
79.0%	948	912	-36	-3.8%
80.2%	911	900	-11	-1.3%
81.5%	850	850	0	0.0%
82.7%	781	781	0	0.0%
84.0%	766	766	0	0.0%
85.2%	764	764	0	0.0%
86.4%	760	760	0	0.0%
87.7%	705	698	-8	-1.1%
88.9%	698	684	-14	-2.1%
90.1%	684	638	-46	-6.7%
91.4%	638	633	-5	-0.7%
92.6%	633	596	-37	-5.9%
93.8%	603	528	-75	-12.5%
95.1%	538	522	-16	-3.0%
96.3%	522	458	-64	-12.3%
97.5%	453	453	0	0.0%
98.8%	400	400	0	0.0%
100.0%	52	96	45	

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,605	11,612	6	0.1%
1.2%	11,505	11,605	100	0.9%
2.5%	11,314	11,597	283	2.5%
3.7%	11,310	11,505	195	1.7%
4.9%	11,292	11,376	85	0.7%
6.2%	11,280	11,314	34	0.3%
7.4%	11,082	11,310	228	2.1%
8.6%	10,891	11,292	401	3.7%
9.9%	10,848	11,280	432	4.0%
11.1%	10,638	11,164	526	4.9%
12.3%	10,489	10,940	450	4.3%
13.6%	10,454	10,664	210	2.0%
14.8%	10,436	10,650	214	2.1%
16.0%	10,250	10,527	277	2.7%
17.3%	10,205	10,485	280	2.7%
18.5%	10,014	10,343	329	3.3%
19.8%	9,895	10,335	441	4.5%
21.0%	9,736	10,177	440	4.5%
22.2%	9,734	9,975	240	2.5%
23.5%	9,599	9,921	322	3.4%
24.7%	9,560	9,877	317	3.3%
25.9%	9,493	9,855	361	3.8%
27.2%	9,470	9,827	356	3.8%
28.4%	9,468	9,677	209	2.2%
29.6%	9,459	9,664	205	2.2%
30.9%	9,444	9,654	209	2.2%
32.1%	9,072	9,592	520	5.7%
33.3%	8,961	9,526	565	6.3%
34.6%	8,860	9,411	551	6.2%
35.8%	8,853	9,343	490	5.5%
37.0%	8,696	9,213	517	5.9%
38.3%	8,536	9,155	619	7.3%
39.5%	8,514	9,001	487	5.7%
40.7%	8,477	8,980	503	5.9%
42.0%	8,390	8,916	525	6.3%
43.2%	8,358	8,813	455	5.4%
44.4%	8,275	8,797	522	6.3%
45.7%	8,271	8,734	463	5.6%
46.9%	8,228	8,590	362	4.4%
48.1%	8,194	8,561	367	4.5%
49.4%	8,174	8,519	345	4.2%
50.6%	7,951	8,202	251	3.2%
51.9%	7,816	8,174	358	4.6%
53.1%	7,708	8,100	392	5.1%
54.3%	7,513	8,040	528	7.0%
55.6%	7,461	7,945	484	6.5%
56.8%	7,443	7,893	450	6.1%
58.0%	7,308	7,784	476	6.5%
59.3%	7,165	7,458	293	4.1%
60.5%	7,138	7,436	298	4.2%
61.7%	7,016	7,347	331	4.7%
63.0%	6,750	7,297	547	8.1%
64.2%	6,599	7,129	529	8.0%
65.4%	6,311	7,000	689	10.9%
66.7%	6,280	6,936	657	10.5%
67.9%	6,197	6,893	695	11.2%
69.1%	6,045	6,298	253	4.2%
70.4%	5,595	6,218	622	11.1%
71.6%	5,379	6,071	692	12.9%
72.8%	4,965	5,945	980	19.7%
74.1%	4,920	5,659	739	15.0%
75.3%	4,900	5,607	707	14.4%
76.5%	3,953	5,276	1,322	33.4%
77.8%	3,761	5,019	1,257	33.4%
79.0%	3,622	4,849	1,227	33.9%
80.2%	3,506	4,841	1,335	38.1%
81.5%	3,451	4,504	1,053	30.5%
82.7%	3,439	4,492	1,053	30.6%
84.0%	2,940	3,925	985	33.5%
85.2%	2,749	3,793	1,044	38.0%
86.4%	2,503	3,327	824	32.9%
87.7%	2,402	3,047	646	26.9%
88.9%	1,739	2,931	1,192	68.6%
90.1%	1,730	2,643	913	52.8%
91.4%	1,674	2,431	758	45.3%
92.6%	1,624	2,336	712	43.8%
93.8%	1,500	1,778	278	18.5%
95.1%	1,500	1,627	127	8.4%
96.3%	1,500	1,500	0	0.0%
97.5%	1,495	1,500	5	0.3%
98.8%	1,100	1,500	400	36.4%
100.0%	1,100	872	-228	-20.8%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,537	11,538	1	0.0%
1.2%	11,526	11,537	12	0.1%
2.5%	11,453	11,526	73	0.6%
3.7%	11,445	11,522	77	0.7%
4.9%	11,433	11,520	88	0.8%
6.2%	11,433	11,518	85	0.7%
7.4%	11,426	11,464	39	0.3%
8.6%	11,404	11,461	57	0.5%
9.9%	11,399	11,453	54	0.5%
11.1%	11,380	11,445	65	0.6%
12.3%	11,373	11,433	59	0.5%
13.6%	11,372	11,433	61	0.5%
14.8%	11,341	11,432	91	0.8%
16.0%	11,280	11,428	148	1.3%
17.3%	11,271	11,426	155	1.4%
18.5%	11,107	11,423	316	2.8%
19.8%	11,058	11,404	346	3.1%
21.0%	11,032	11,404	372	3.4%
22.2%	11,023	11,399	376	3.4%
23.5%	10,749	11,393	644	6.0%
24.7%	10,523	11,380	857	8.1%
25.9%	10,515	11,373	858	8.2%
27.2%	10,483	11,372	889	8.5%
28.4%	10,481	11,341	860	8.2%
29.6%	10,147	11,188	1,041	10.3%
30.9%	10,086	11,116	1,030	10.2%
32.1%	10,033	10,762	729	7.3%
33.3%	10,029	10,666	637	6.4%
34.6%	9,946	10,447	500	5.0%
35.8%	9,589	10,218	629	6.6%
37.0%	9,549	10,173	624	6.5%
38.3%	9,480	10,032	553	5.8%
39.5%	9,445	10,020	575	6.1%
40.7%	9,296	9,831	534	5.7%
42.0%	9,053	9,821	768	8.5%
43.2%	9,015	9,715	700	7.8%
44.4%	8,953	9,670	718	8.0%
45.7%	8,883	9,485	603	6.8%
46.9%	8,857	9,479	622	7.0%
48.1%	8,525	9,251	727	8.5%
49.4%	8,497	9,201	704	8.3%
50.6%	8,474	9,072	598	7.1%
51.9%	8,372	9,018	646	7.7%
53.1%	8,237	8,966	729	8.9%
54.3%	8,038	8,946	908	11.3%
55.6%	8,012	8,885	874	10.9%
56.8%	7,693	8,821	1,128	14.7%
58.0%	7,667	8,691	1,024	13.4%
59.3%	7,627	8,324	696	9.1%
60.5%	6,753	8,208	1,455	21.6%
61.7%	6,369	7,972	1,603	25.2%
63.0%	6,179	7,672	1,494	24.2%
64.2%	6,121	7,482	1,361	22.2%
65.4%	5,937	7,350	1,413	23.8%
66.7%	5,911	7,337	1,426	24.1%
67.9%	5,874	7,102	1,228	20.9%
69.1%	5,821	6,857	1,036	17.8%
70.4%	5,208	5,757	549	10.5%
71.6%	5,207	5,124	-83	-1.6%
72.8%	5,124	5,006	-119	-2.3%
74.1%	4,952	5,001	49	1.0%
75.3%	4,774	4,859	84	1.8%
76.5%	4,521	4,824	303	6.7%
77.8%	4,480	4,618	138	3.1%
79.0%	4,376	4,616	240	5.5%
80.2%	4,248	4,511	264	6.2%
81.5%	4,076	4,371	295	7.2%
82.7%	3,736	4,344	608	16.3%
84.0%	3,700	4,084	384	10.4%
85.2%	3,498	3,882	384	11.0%
86.4%	3,187	3,823	636	19.9%
87.7%	3,035	3,736	700	23.1%
88.9%	3,011	3,600	589	19.6%
90.1%	2,850	3,344	494	17.3%
91.4%	2,611	3,322	711	27.2%
92.6%	2,260	2,971	712	31.5%
93.8%	2,179	2,747	568	26.1%
95.1%	2,038	2,539	500	24.6%
96.3%	2,025	1,688	-337	-16.6%
97.5%	1,967	1,542	-425	-21.6%
98.8%	1,910	1,542	-367	-19.2%
100.0%	1,541	1,128	-413	-26.8%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,280	11,415	135	1.2%
1.2%	11,280	11,280	0	0.0%
2.5%	11,280	11,280	0	0.0%
3.7%	11,280	11,280	0	0.0%
4.9%	11,270	11,280	10	0.1%
6.2%	11,239	11,275	36	0.3%
7.4%	11,091	11,242	151	1.4%
8.6%	10,608	11,146	539	5.1%
9.9%	10,408	11,121	713	6.9%
11.1%	10,284	11,052	768	7.5%
12.3%	10,219	11,007	788	7.7%
13.6%	10,008	10,997	988	9.9%
14.8%	9,950	10,928	979	9.8%
16.0%	9,933	10,904	971	9.8%
17.3%	9,909	10,823	913	9.2%
18.5%	9,741	10,818	1,077	11.1%
19.8%	9,673	10,732	1,059	10.9%
21.0%	9,657	10,684	1,027	10.6%
22.2%	9,585	10,576	991	10.3%
23.5%	9,506	10,459	953	10.0%
24.7%	9,278	10,322	1,044	11.3%
25.9%	9,234	10,294	1,060	11.5%
27.2%	9,134	10,132	998	10.9%
28.4%	9,057	9,947	890	9.8%
29.6%	9,000	9,903	904	10.0%
30.9%	8,686	9,850	1,164	13.4%
32.1%	8,593	9,836	1,243	14.5%
33.3%	8,471	9,590	1,119	13.2%
34.6%	8,434	9,500	1,066	12.6%
35.8%	8,375	9,283	908	10.8%
37.0%	8,369	9,261	893	10.7%
38.3%	8,306	9,117	811	9.8%
39.5%	8,205	9,055	850	10.4%
40.7%	8,130	9,025	895	11.0%
42.0%	8,100	8,868	768	9.5%
43.2%	7,868	8,837	969	12.3%
44.4%	7,765	8,809	1,044	13.4%
45.7%	7,664	8,711	1,047	13.7%
46.9%	7,584	8,663	1,079	14.2%
48.1%	7,572	8,632	1,060	14.0%
49.4%	7,486	8,531	1,045	14.0%
50.6%	7,480	8,486	1,006	13.4%
51.9%	7,480	8,387	907	12.1%
53.1%	7,227	8,227	1,000	13.8%
54.3%	7,192	7,926	734	10.2%
55.6%	7,113	7,923	810	11.4%
56.8%	6,916	7,871	955	13.8%
58.0%	6,864	7,844	980	14.3%
59.3%	6,839	7,805	966	14.1%
60.5%	6,725	7,764	1,039	15.5%
61.7%	6,716	7,580	864	12.9%
63.0%	6,650	7,504	854	12.8%
64.2%	6,520	7,480	960	14.7%
65.4%	6,136	7,480	1,344	21.9%
66.7%	6,096	7,480	1,384	22.7%
67.9%	5,981	7,480	1,499	25.1%
69.1%	5,707	7,404	1,698	29.8%
70.4%	5,518	7,374	1,856	33.6%
71.6%	5,504	7,175	1,671	30.4%
72.8%	5,493	7,174	1,681	30.6%
74.1%	4,948	6,767	1,820	36.8%
75.3%	4,725	6,410	1,685	35.7%
76.5%	4,717	6,379	1,662	35.2%
77.8%	4,704	6,204	1,500	31.9%
79.0%	4,698	6,161	1,463	31.1%
80.2%	4,286	5,635	1,349	31.5%
81.5%	4,090	5,097	1,007	24.6%
82.7%	4,055	4,971	916	22.6%
84.0%	3,850	4,505	655	17.0%
85.2%	3,782	4,175	393	10.4%
86.4%	3,676	4,085	409	11.1%
87.7%	3,555	4,067	512	14.4%
88.9%	3,539	3,995	456	12.9%
90.1%	3,453	3,899	446	12.9%
91.4%	3,323	3,607	284	8.6%
92.6%	3,178	3,515	337	10.6%
93.8%	3,091	3,498	407	13.2%
95.1%	2,557	3,481	924	36.1%
96.3%	2,474	3,182	708	28.6%
97.5%	2,405	2,643	238	9.9%
98.8%	2,099	2,487	388	18.5%
100.0%	1,731	2,096	366	21.1%

Figure SW-37-b
Jones Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

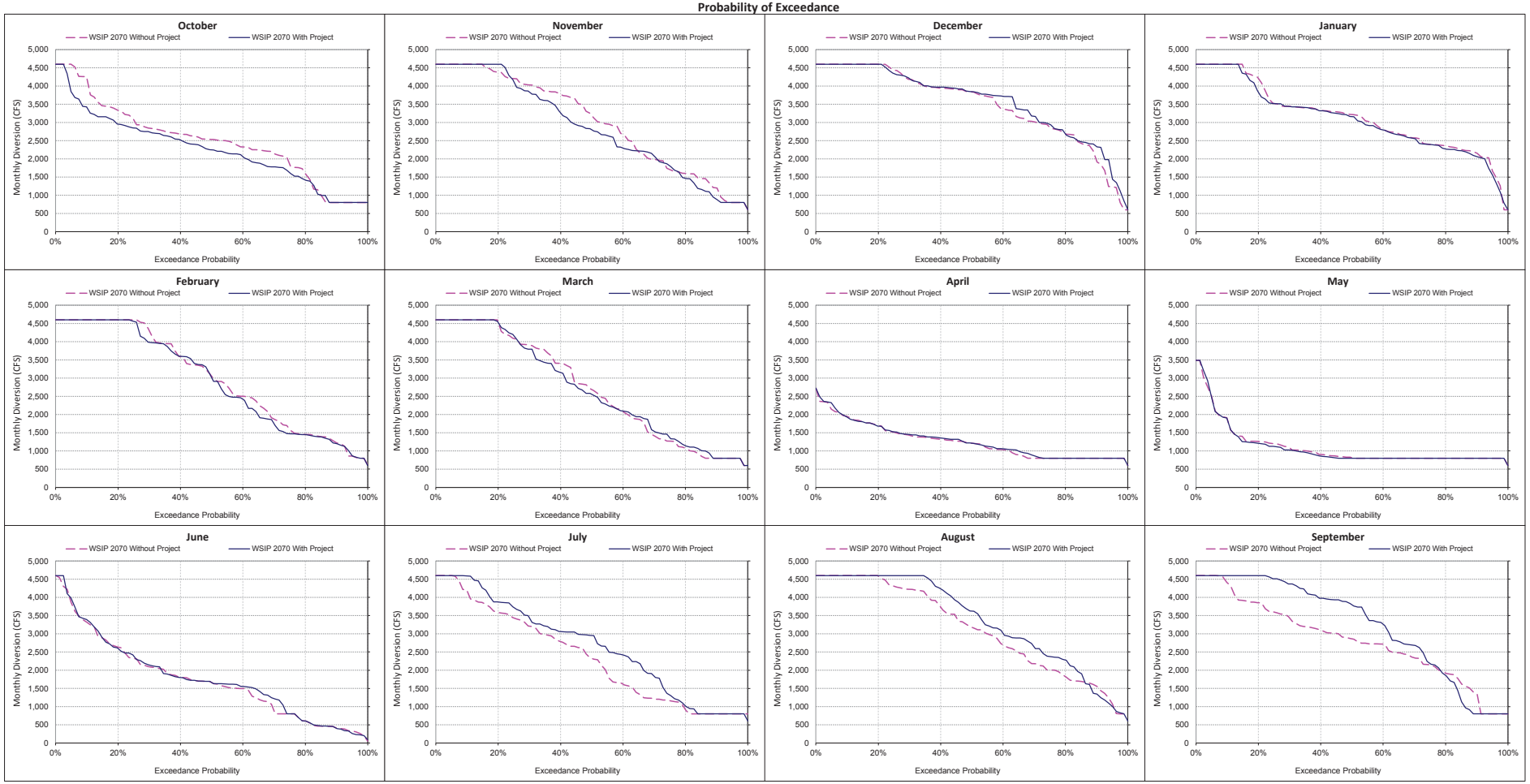


Table SW-37-b

Jones Pumping Plant (CVP), Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,338	-262	-5.7%
4.9%	4,600	3,851	-749	-16.3%
6.2%	4,523	3,684	-839	-18.6%
7.4%	4,265	3,643	-623	-14.6%
8.6%	4,260	3,440	-820	-19.2%
9.9%	4,259	3,430	-830	-19.5%
11.1%	3,758	3,259	-499	-13.3%
12.3%	3,696	3,221	-476	-12.9%
13.6%	3,555	3,157	-398	-11.2%
14.8%	3,459	3,156	-303	-8.8%
16.0%	3,447	3,155	-292	-8.5%
17.3%	3,430	3,107	-323	-9.4%
18.5%	3,396	3,066	-330	-9.7%
19.8%	3,342	2,958	-384	-11.5%
21.0%	3,313	2,943	-371	-11.2%
22.2%	3,220	2,916	-303	-9.4%
23.5%	3,204	2,879	-325	-10.1%
24.7%	3,124	2,847	-277	-8.9%
25.9%	2,936	2,844	-92	-3.1%
27.2%	2,935	2,767	-168	-5.7%
28.4%	2,884	2,752	-132	-4.6%
29.6%	2,848	2,750	-98	-3.4%
30.9%	2,834	2,714	-120	-4.2%
32.1%	2,818	2,704	-114	-4.0%
33.3%	2,797	2,696	-101	-3.6%
34.6%	2,768	2,641	-126	-4.6%
35.8%	2,734	2,629	-105	-3.8%
37.0%	2,720	2,599	-121	-4.4%
38.3%	2,708	2,545	-163	-6.0%
39.5%	2,688	2,534	-154	-5.7%
40.7%	2,673	2,487	-185	-6.9%
42.0%	2,672	2,436	-236	-8.8%
43.2%	2,633	2,406	-227	-8.6%
44.4%	2,628	2,398	-230	-8.8%
45.7%	2,598	2,390	-208	-8.0%
46.9%	2,545	2,335	-210	-8.3%
48.1%	2,541	2,282	-259	-10.2%
49.4%	2,535	2,250	-285	-11.2%
50.6%	2,533	2,245	-288	-11.4%
51.9%	2,514	2,208	-305	-12.1%
53.1%	2,504	2,207	-297	-11.9%
54.3%	2,501	2,176	-325	-13.0%
55.6%	2,480	2,146	-334	-13.5%
56.8%	2,445	2,135	-309	-12.7%
58.0%	2,382	2,134	-248	-10.4%
59.3%	2,329	2,116	-213	-9.1%
60.5%	2,328	2,020	-307	-13.2%
61.7%	2,314	1,979	-336	-14.5%
63.0%	2,251	1,912	-339	-15.0%
64.2%	2,250	1,896	-354	-15.8%
65.4%	2,241	1,878	-363	-16.2%
66.7%	2,224	1,840	-384	-17.3%
67.9%	2,211	1,791	-420	-19.0%
69.1%	2,203	1,783	-420	-19.1%
70.4%	2,129	1,783	-346	-16.3%
71.6%	2,098	1,767	-331	-15.8%
72.8%	2,076	1,761	-315	-15.2%
74.1%	2,051	1,691	-360	-17.6%
75.3%	1,788	1,595	-193	-10.8%
76.5%	1,765	1,526	-239	-13.5%
77.8%	1,760	1,520	-240	-13.7%
79.0%	1,731	1,462	-269	-15.6%
80.2%	1,567	1,408	-159	-10.2%
81.5%	1,432	1,387	-45	-3.1%
82.7%	1,169	1,264	95	8.1%
84.0%	1,152	1,033	-119	-10.3%
85.2%	992	998	7	0.7%
86.4%	818	993	175	21.4%
87.7%	801	800	-1	-0.1%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,500	4,600	100	2.2%
17.3%	4,477	4,600	123	2.7%
18.5%	4,401	4,600	199	4.5%
19.8%	4,382	4,600	218	5.0%
21.0%	4,375	4,600	225	5.2%
22.2%	4,260	4,515	254	6.0%
23.5%	4,212	4,294	82	1.9%
24.7%	4,208	4,181	-28	-0.7%
25.9%	4,200	3,961	-240	-5.7%
27.2%	4,068	3,933	-135	-3.3%
28.4%	4,049	3,874	-176	-4.3%
29.6%	4,031	3,864	-167	-4.2%
30.9%	4,027	3,777	-250	-6.2%
32.1%	3,976	3,770	-205	-5.2%
33.3%	3,955	3,636	-319	-8.1%
34.6%	3,868	3,610	-258	-6.7%
35.8%	3,861	3,602	-259	-6.7%
37.0%	3,842	3,542	-299	-7.8%
38.3%	3,841	3,471	-370	-9.6%
39.5%	3,799	3,314	-485	-12.8%
40.7%	3,738	3,183	-556	-14.9%
42.0%	3,727	3,138	-589	-15.8%
43.2%	3,687	3,014	-672	-18.2%
44.4%	3,666	2,955	-711	-19.4%
45.7%	3,508	2,917	-591	-16.8%
46.9%	3,497	2,892	-605	-17.3%
48.1%	3,310	2,833	-476	-14.4%
49.4%	3,253	2,828	-425	-13.1%
50.6%	3,123	2,768	-355	-11.4%
51.9%	3,019	2,744	-276	-9.1%
53.1%	3,005	2,668	-336	-11.2%
54.3%	2,963	2,661	-302	-10.2%
55.6%	2,951	2,625	-327	-11.1%
56.8%	2,909	2,597	-312	-10.7%
58.0%	2,908	2,330	-577	-19.9%
59.3%	2,701	2,319	-382	-14.1%
60.5%	2,645	2,280	-366	-13.8%
61.7%	2,507	2,260	-247	-9.8%
63.0%	2,478	2,229	-248	-10.0%
64.2%	2,266	2,220	-47	-2.1%
65.4%	2,164	2,218	54	2.5%
66.7%	2,125	2,208	83	3.9%
67.9%	2,018	2,188	170	8.4%
69.1%	1,988	2,154	167	8.4%
70.4%	1,983	2,041	58	2.9%
71.6%	1,960	1,925	-35	-1.8%
72.8%	1,944	1,893	-51	-2.6%
74.1%	1,741	1,863	122	7.0%
75.3%	1,695	1,786	91	5.4%
76.5%	1,647	1,684	37	2.2%
77.8%	1,642	1,646	4	0.3%
79.0%	1,607	1,486	-121	-7.5%
80.2%	1,601	1,457	-145	-9.0%
81.5%	1,589	1,452	-136	-8.6%
82.7%	1,586	1,336	-250	-15.8%
84.0%	1,477	1,188	-289	-19.6%
85.2%	1,458	1,158	-300	-20.6%
86.4%	1,456	1,107	-349	-24.0%
87.7%	1,337	1,094	-244	-18.2%
88.9%	1,213	952	-261	-21.5%
90.1%	1,200	882	-318	-26.5%
91.4%	950	800	-150	-15.8%
92.6%	856	800	-56	-6.5%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	600	600	0	0.0%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,597	-3	-0.1%
22.2%	4,597	4,523	-74	-1.6%
23.5%	4,523	4,431	-92	-2.0%
24.7%	4,439	4,355	-84	-1.9%
25.9%	4,429	4,314	-114	-2.6%
27.2%	4,355	4,301	-54	-1.2%
28.4%	4,254	4,277	23	0.5%
29.6%	4,186	4,227	40	1.0%
30.9%	4,175	4,147	-29	-0.7%
32.1%	4,099	4,126	26	0.6%
33.3%	4,062	4,099	37	0.9%
34.6%	4,014	4,008	-5	-0.1%
35.8%	3,971	4,008	36	0.9%
37.0%	3,968	3,975	7	0.2%
38.3%	3,965	3,971	6	0.1%
39.5%	3,946	3,970	24	0.6%
40.7%	3,943	3,968	25	0.6%
42.0%	3,936	3,962	27	0.7%
43.2%	3,923	3,946	22	0.6%
44.4%	3,919	3,944	25	0.6%
45.7%	3,900	3,923	23	0.6%
46.9%	3,900	3,919	19	0.5%
48.1%	3,853	3,865	12	0.3%
49.4%	3,844	3,853	8	0.2%
50.6%	3,831	3,844	13	0.3%
51.9%	3,780	3,822	42	1.1%
53.1%	3,739	3,780	42	1.1%
54.3%	3,729	3,779	50	1.3%
55.6%	3,704	3,763	59	1.6%
56.8%	3,688	3,744	57	1.5%
58.0%	3,492	3,736	244	7.0%
59.3%	3,382	3,729	346	10.2%
60.5%	3,364	3,715	352	10.5%
61.7%	3,337	3,711	374	11.2%
63.0%	3,328	3,709	381	11.4%
64.2%	3,164	3,379	215	6.8%
65.4%	3,124	3,364	240	7.7%
66.7%	3,112	3,344	232	7.5%
67.9%	3,036	3,342	306	10.1%
69.1%	3,033	3,176	143	4.7%
70.4%	3,010	3,163	154	5.1%
71.6%	2,978	3,002	24	0.8%
72.8%	2,958	3,001	43	1.5%
74.1%	2,946	2,978	33	1.1%
75.3%	2,833	2,933	100	3.5%
76.5%	2,821	2,831	10	0.4%
77.8%	2,794	2,808	14	0.5%
79.0%	2,747	2,798	51	1.9%
80.2%	2,676	2,654	-23	-0.9%
81.5%	2,670	2,603	-68	-2.5%
82.7%	2,658	2,580	-78	-2.9%
84.0%	2,473	2,502	29	1.2%
85.2%	2,421	2,469	48	2.0%
86.4%	2,376	2,453	77	3.2%
87.7%	2,371	2,416	45	1.9%
88.9%	2,222	2,412	190	8.6%
90.1%	1,916	2,332	416	21.7%
91.4%	1,850	2,316	466	25.2%
92.6%	1,678	1,981	303	18.1%
93.8%	1,239	1,978	739	59.7%
95.1%	1,236	1,441	205	16.6%
96.3%	1,213	1,343	130	10.7%
97.5%	803	1,122	319	39.7%
98.8%	600	845	245	40.9%
100.0%	600	600	0	0.0%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,353	-247	-5.4%
16.0%	4,353	4,325	-28	-0.6%
17.3%	4,325	4,158	-167	-3.9%
18.5%	4,278	4,089	-189	-4.4%
19.8%	4,240	3,870	-370	-8.7%
21.0%	4,089	3,702	-386	-9.4%
22.2%	3,870	3,639	-231	-6.0%
23.5%	3,640	3,534	-106	-2.9%
24.7%	3,526	3,524	-3	-0.1%
25.9%	3,512	3,512	1	0.0%
27.2%	3,451	3,512	61	1.8%
28.4%	3,442	3,451	9	0.3%
29.6%	3,440	3,442	1	0.0%
30.9%	3,438	3,429	-9	-0.2%
32.1%	3,424	3,427	4	0.1%
33.3%	3,414	3,424	10	0.3%
34.6%	3,403	3,414	11	0.3%
35.8%	3,403	3,404	1	0.0%
37.0%	3,403	3,375	-28	-0.8%
38.3%	3,373	3,373	0	0.0%
39.5%	3,327	3,323	-4	-0.1%
40.7%	3,323	3,319	-4	-0.1%
42.0%	3,319	3,307	-12	-0.4%
43.2%	3,301	3,270	-31	-0.9%
44.4%	3,300	3,258	-42	-1.3%
45.7%	3,286	3,245	-41	-1.3%
46.9%	3,270	3,221	-48	-1.5%
48.1%	3,227	3,214	-12	-0.4%
49.4%	3,221	3,166	-55	-1.7%
50.6%	3,214	3,156	-58	-1.8%
51.9%	3,195	3,046	-150	-4.7%
53.1%	3,156	3,023	-133	-4.2%
54.3%	3,046	2,934	-112	-3.7%
55.6%	3,021	2,913	-107	-3.6%
56.8%	3,008	2,912	-96	-3.2%
58.0%	2,913	2,850	-63	-2.2%
59.3%	2,830	2,810	-20	-0.7%
60.5%	2,786	2,786	0	0.0%
61.7%	2,746	2,734	-12	-0.4%
63.0%	2,734	2,703	-31	-1.1%
64.2%	2,722	2,669	-53	-1.9%
65.4%	2,669	2,661	-8	-0.3%
66.7%	2,661	2,627	-34	-1.3%
67.9%	2,627	2,589	-37	-1.4%
69.1%	2,576	2,576	0	0.0%
70.4%	2,575	2,554	-21	-0.8%
71.6%	2,554	2,420	-133	-5.2%
72.8%	2,420	2,405	-15	-0.6%
74.1%	2,405	2,400	-5	-0.2%
75.3%	2,395	2,392	-3	-0.1%
76.5%	2,392	2,380	-13	-0.5%
77.8%	2,380	2,371	-9	-0.4%
79.0%	2,371	2,291	-79	-3.4%
80.2%	2,357	2,265	-92	-3.9%
81.5%	2,330	2,257	-74	-3.2%
82.7%	2,316	2,255	-62	-2.7%
84.0%	2,285	2,228	-57	-2.5%
85.2%	2,255	2,225	-30	-1.3%
86.4%	2,229	2,197	-33	-1.5%
87.7%	2,225	2,153	-72	-3.2%
88.9%	2,198	2,094	-104	-4.8%
90.1%	2,153	2,057	-96	-4.5%
91.4%	2,059	2,030	-29	-1.4%
92.6%	2,040	2,003	-37	-1.8%
93.8%	2,029	1,744	-285	-14.0%
95.1%	1,663	1,552	-111	-6.7%
96.3%	1,478	1,327	-151	-10.2%
97.5%	1,261	1,078	-183	-14.5%
98.8%	600	791	191	31.9%
100.0%	600	600	0	0.0%

Table SW-37-b

Jones Pumping Plant (CVP), Monthly Diversion

Probability of Exceedance

February				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,600	4,600	0	0.0%
22.2%	4,600	4,600	0	0.0%
23.5%	4,600	4,600	0	0.0%
24.7%	4,600	4,565	-35	-0.8%
25.9%	4,600	4,536	-64	-1.4%
27.2%	4,536	4,151	-385	-8.5%
28.4%	4,515	4,097	-418	-9.3%
29.6%	4,366	3,987	-380	-8.7%
30.9%	4,151	3,973	-178	-4.3%
32.1%	3,986	3,966	-21	-0.5%
33.3%	3,965	3,950	-16	-0.4%
34.6%	3,950	3,944	-5	-0.1%
35.8%	3,947	3,864	-83	-2.1%
37.0%	3,944	3,747	-197	-5.0%
38.3%	3,747	3,656	-92	-2.4%
39.5%	3,594	3,602	8	0.2%
40.7%	3,585	3,594	9	0.3%
42.0%	3,400	3,587	187	5.5%
43.2%	3,376	3,539	163	4.8%
44.4%	3,364	3,400	36	1.1%
45.7%	3,354	3,376	22	0.6%
46.9%	3,328	3,364	36	1.1%
48.1%	3,240	3,313	73	2.2%
49.4%	3,118	3,118	0	0.0%
50.6%	2,977	2,909	-68	-2.3%
51.9%	2,909	2,908	-1	0.0%
53.1%	2,908	2,703	-205	-7.0%
54.3%	2,846	2,550	-297	-10.4%
55.6%	2,721	2,499	-222	-8.2%
56.8%	2,568	2,479	-89	-3.5%
58.0%	2,512	2,477	-35	-1.4%
59.3%	2,501	2,460	-41	-1.6%
60.5%	2,499	2,390	-109	-4.4%
61.7%	2,479	2,171	-308	-12.4%
63.0%	2,456	2,168	-288	-11.7%
64.2%	2,372	2,082	-290	-12.2%
65.4%	2,238	1,913	-325	-14.5%
66.7%	2,171	1,898	-273	-12.6%
67.9%	2,082	1,876	-206	-9.9%
69.1%	1,913	1,862	-51	-2.7%
70.4%	1,858	1,696	-162	-8.7%
71.6%	1,816	1,562	-253	-13.9%
72.8%	1,718	1,535	-183	-10.6%
74.1%	1,696	1,480	-216	-12.7%
75.3%	1,561	1,471	-90	-5.7%
76.5%	1,485	1,466	-19	-1.3%
77.8%	1,471	1,456	-15	-1.0%
79.0%	1,459	1,449	-9	-0.6%
80.2%	1,449	1,449	0	0.0%
81.5%	1,449	1,430	-19	-1.3%
82.7%	1,430	1,408	-22	-1.5%
84.0%	1,408	1,390	-18	-1.3%
85.2%	1,390	1,384	-7	-0.5%
86.4%	1,386	1,349	-37	-2.7%
87.7%	1,349	1,323	-26	-1.9%
88.9%	1,280	1,219	-62	-4.8%
90.1%	1,219	1,202	-16	-1.3%
91.4%	1,202	1,156	-46	-3.8%
92.6%	1,124	1,124	0	0.0%
93.8%	860	1,015	155	18.0%
95.1%	859	864	5	0.5%
96.3%	818	828	10	1.3%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	618	600	-18	-3.0%

March				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,555	-45	-1.0%
21.0%	4,283	4,386	103	2.4%
22.2%	4,200	4,333	133	3.2%
23.5%	4,173	4,241	68	1.6%
24.7%	4,097	4,200	103	2.5%
25.9%	4,065	4,065	0	0.0%
27.2%	3,931	3,918	-13	-0.3%
28.4%	3,924	3,824	-100	-2.5%
29.6%	3,918	3,796	-122	-3.1%
30.9%	3,891	3,796	-96	-2.5%
32.1%	3,824	3,522	-302	-7.9%
33.3%	3,796	3,479	-317	-8.4%
34.6%	3,796	3,439	-357	-9.4%
35.8%	3,692	3,411	-281	-7.6%
37.0%	3,610	3,404	-206	-5.7%
38.3%	3,411	3,209	-201	-5.9%
39.5%	3,408	3,166	-243	-7.1%
40.7%	3,404	3,128	-276	-8.1%
42.0%	3,346	2,887	-458	-13.7%
43.2%	3,294	2,848	-447	-13.6%
44.4%	2,887	2,835	-53	-1.8%
45.7%	2,848	2,715	-133	-4.7%
46.9%	2,835	2,672	-163	-5.8%
48.1%	2,818	2,585	-233	-8.3%
49.4%	2,715	2,580	-134	-4.9%
50.6%	2,656	2,527	-129	-4.8%
51.9%	2,580	2,472	-108	-4.2%
53.1%	2,472	2,323	-150	-6.0%
54.3%	2,445	2,292	-154	-6.3%
55.6%	2,292	2,235	-57	-2.5%
56.8%	2,223	2,201	-22	-1.0%
58.0%	2,159	2,156	-3	-0.1%
59.3%	2,147	2,108	-39	-1.8%
60.5%	2,049	2,089	41	2.0%
61.7%	1,991	2,071	80	4.0%
63.0%	1,896	1,991	95	5.0%
64.2%	1,878	1,940	61	3.3%
65.4%	1,866	1,939	73	3.9%
66.7%	1,784	1,887	103	5.8%
67.9%	1,521	1,866	345	22.7%
69.1%	1,460	1,586	126	8.7%
70.4%	1,398	1,521	123	8.8%
71.6%	1,333	1,494	160	12.0%
72.8%	1,328	1,463	135	10.2%
74.1%	1,270	1,460	189	14.9%
75.3%	1,268	1,333	65	5.1%
76.5%	1,262	1,328	66	5.2%
77.8%	1,119	1,262	143	12.8%
79.0%	1,107	1,187	81	7.3%
80.2%	1,072	1,131	59	5.6%
81.5%	1,004	1,109	105	10.5%
82.7%	989	1,107	118	11.9%
84.0%	935	1,072	137	14.7%
85.2%	851	1,010	158	18.6%
86.4%	800	997	197	24.6%
87.7%	800	943	143	17.9%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	600	600	0	0.0%
100.0%	600	600	0	0.0%

April				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,722	2,722	0	0.0%
1.2%	2,362	2,480	117	5.0%
2.5%	2,352	2,362	10	0.4%
3.7%	2,333	2,345	11	0.5%
4.9%	2,146	2,325	179	8.3%
6.2%	2,080	2,177	97	4.7%
7.4%	2,062	2,054	-9	-0.4%
8.6%	1,973	1,992	19	1.0%
9.9%	1,952	1,931	-21	-1.1%
11.1%	1,905	1,868	-37	-1.9%
12.3%	1,850	1,843	-7	-0.4%
13.6%	1,843	1,812	-31	-1.7%
14.8%	1,803	1,803	0	0.0%
16.0%	1,767	1,767	0	0.0%
17.3%	1,767	1,767	0	0.0%
18.5%	1,738	1,733	-5	-0.3%
19.8%	1,709	1,683	-27	-1.6%
21.0%	1,682	1,674	-8	-0.5%
22.2%	1,560	1,575	15	1.0%
23.5%	1,528	1,560	31	2.1%
24.7%	1,523	1,528	5	0.3%
25.9%	1,491	1,523	32	2.1%
27.2%	1,460	1,478	18	1.2%
28.4%	1,456	1,460	4	0.3%
29.6%	1,440	1,456	16	1.1%
30.9%	1,410	1,440	30	2.1%
32.1%	1,383	1,440	56	4.1%
33.3%	1,382	1,412	30	2.2%
34.6%	1,379	1,410	31	2.3%
35.8%	1,370	1,383	13	1.0%
37.0%	1,348	1,382	33	2.5%
38.3%	1,337	1,379	42	3.1%
39.5%	1,323	1,362	39	3.0%
40.7%	1,322	1,348	27	2.0%
42.0%	1,297	1,337	40	3.1%
43.2%	1,294	1,323	29	2.2%
44.4%	1,272	1,322	49	3.9%
45.7%	1,270	1,318	48	3.8%
46.9%	1,262	1,269	7	0.5%
48.1%	1,235	1,223	-12	-1.0%
49.4%	1,214	1,221	7	0.6%
50.6%	1,207	1,207	0	0.0%
51.9%	1,196	1,187	-9	-0.8%
53.1%	1,191	1,163	-29	-2.4%
54.3%	1,106	1,138	32	2.9%
55.6%	1,064	1,119	55	5.2%
56.8%	1,058	1,106	49	4.6%
58.0%	1,042	1,064	22	2.2%
59.3%	1,041	1,063	22	2.1%
60.5%	1,030	1,058	28	2.7%
61.7%	1,023	1,041	18	1.8%
63.0%	950	1,034	83	8.8%
64.2%	900	1,030	130	14.4%
65.4%	892	980	88	9.9%
66.7%	855	950	95	11.1%
67.9%	800	934	134	16.7%
69.1%	800	892	92	11.5%
70.4%	800	855	55	6.9%
71.6%	800	819	19	2.4%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	600	600	0	0.0%

May				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,487	3,487	0	0.0%
1.2%	3,487	3,487	0	0.0%
2.5%	3,006	3,195	189	6.3%
3.7%	2,761	2,932	171	6.2%
4.9%	2,521	2,513	-8	-0.3%
6.2%	2,092	2,080	-12	-0.6%
7.4%	1,977	1,995	18	0.9%
8.6%	1,935	1,924	-11	-0.6%
9.9%	1,913	1,902	-11	-0.6%
11.1%	1,574	1,574	0	0.0%
12.3%	1,459	1,459	0	0.0%
13.6%	1,411	1,391	-20	-1.4%
14.8%	1,401	1,255	-146	-10.4%
16.0%	1,270	1,252	-18	-1.4%
17.3%	1,266	1,236	-31	-2.4%
18.5%	1,265	1,224	-41	-3.2%
19.8%	1,264	1,216	-48	-3.8%
21.0%	1,254	1,197	-57	-4.6%
22.2%	1,247	1,184	-63	-5.1%
23.5%	1,216	1,130	-86	-7.0%
24.7%	1,200	1,126	-74	-6.2%
25.9%	1,195	1,111	-84	-7.0%
27.2%	1,162	1,100	-62	-5.3%
28.4%	1,126	1,025	-101	-9.0%
29.6%	1,111	1,024	-87	-7.8%
30.9%	1,025	1,021	-4	-0.4%
32.1%	1,024	999	-25	-2.4%
33.3%	1,021	976	-45	-4.4%
34.6%	1,009	968	-41	-4.0%
35.8%	997	949	-49	-4.9%
37.0%	976	921	-55	-5.6%
38.3%	968	889	-79	-8.2%
39.5%	904	866	-38	-4.2%
40.7%	900	848	-53	-5.8%
42.0%	885	845	-40	-4.5%
43.2%	869	830	-38	-4.4%
44.4%	866	812	-54	-6.3%
45.7%	848	800	-48	-5.6%
46.9%	845	800	-45	-5.3%
48.1%	831	800	-31	-3.7%
49.4%	830	800	-30	-3.7%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	600	600	0	0.0%

Table SW-37-b

Jones Pumping Plant (CVP), Monthly Diversion

Probability of Exceedance

June				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,544	4,600	56	1.2%
2.5%	4,306	4,600	294	6.8%
3.7%	4,224	4,108	-115	-2.7%
4.9%	3,867	3,987	120	3.1%
6.2%	3,621	3,734	113	3.1%
7.4%	3,491	3,467	-24	-0.7%
8.6%	3,394	3,424	31	0.9%
9.9%	3,322	3,394	72	2.2%
11.1%	3,245	3,314	69	2.1%
12.3%	3,190	3,190	0	0.0%
13.6%	2,925	3,076	151	5.2%
14.8%	2,892	2,910	18	0.6%
16.0%	2,833	2,774	-59	-2.1%
17.3%	2,722	2,722	0	0.0%
18.5%	2,675	2,639	-36	-1.3%
19.8%	2,639	2,613	-25	-1.0%
21.0%	2,613	2,522	-92	-3.5%
22.2%	2,471	2,473	3	0.1%
23.5%	2,348	2,471	123	5.2%
24.7%	2,318	2,423	104	4.5%
25.9%	2,313	2,291	-22	-1.0%
27.2%	2,154	2,266	111	5.2%
28.4%	2,139	2,196	58	2.7%
29.6%	2,100	2,148	47	2.3%
30.9%	2,080	2,123	43	2.1%
32.1%	2,072	2,101	29	1.4%
33.3%	2,044	2,095	50	2.5%
34.6%	2,025	1,906	-118	-5.8%
35.8%	1,906	1,894	-12	-0.6%
37.0%	1,873	1,858	-16	-0.8%
38.3%	1,858	1,823	-35	-1.9%
39.5%	1,810	1,799	-11	-0.6%
40.7%	1,799	1,792	-7	-0.4%
42.0%	1,792	1,741	-51	-2.9%
43.2%	1,741	1,723	-18	-1.0%
44.4%	1,721	1,721	0	0.0%
45.7%	1,701	1,701	0	0.0%
46.9%	1,697	1,700	3	0.2%
48.1%	1,693	1,697	4	0.2%
49.4%	1,692	1,692	0	0.0%
50.6%	1,632	1,632	0	0.0%
51.9%	1,617	1,631	14	0.9%
53.1%	1,575	1,629	54	3.4%
54.3%	1,549	1,624	75	4.8%
55.6%	1,520	1,617	97	6.4%
56.8%	1,517	1,613	96	6.3%
58.0%	1,501	1,610	110	7.3%
59.3%	1,495	1,559	64	4.3%
60.5%	1,494	1,549	55	3.7%
61.7%	1,452	1,538	86	6.0%
63.0%	1,284	1,519	235	18.3%
64.2%	1,246	1,489	244	19.6%
65.4%	1,186	1,414	229	19.3%
66.7%	1,150	1,327	177	15.4%
67.9%	1,138	1,314	176	15.5%
69.1%	1,066	1,248	181	17.0%
70.4%	800	1,212	412	51.5%
71.6%	800	1,177	377	47.1%
72.8%	800	1,047	247	30.9%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	702	702	0	0.0%
79.0%	611	612	0	0.0%
80.2%	600	600	0	0.0%
81.5%	550	550	0	0.0%
82.7%	481	496	15	3.1%
84.0%	466	481	15	3.3%
85.2%	464	466	1	0.3%
86.4%	460	464	4	0.9%
87.7%	459	460	1	0.2%
88.9%	453	449	-3	-0.8%
90.1%	405	398	-8	-1.9%
91.4%	398	384	-14	-3.6%
92.6%	384	338	-46	-11.9%
93.8%	338	333	-5	-1.4%
95.1%	333	261	-72	-21.7%
96.3%	303	229	-75	-24.6%
97.5%	261	226	-35	-13.3%
98.8%	200	200	0	0.0%
100.0%	52	96	45	

July				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,583	4,600	17	0.4%
7.4%	4,464	4,600	136	3.0%
8.6%	4,218	4,600	382	9.1%
9.9%	4,211	4,591	380	9.0%
11.1%	3,958	4,581	624	15.8%
12.3%	3,927	4,472	545	13.9%
13.6%	3,873	4,457	584	15.1%
14.8%	3,862	4,263	402	10.4%
16.0%	3,810	4,196	386	10.1%
17.3%	3,737	4,019	282	7.6%
18.5%	3,627	3,876	249	6.9%
19.8%	3,589	3,874	285	7.9%
21.0%	3,570	3,861	291	8.1%
22.2%	3,557	3,856	299	8.4%
23.5%	3,525	3,847	322	9.1%
24.7%	3,444	3,744	300	8.7%
25.9%	3,407	3,671	264	7.7%
27.2%	3,377	3,626	249	7.4%
28.4%	3,322	3,512	190	5.7%
29.6%	3,215	3,497	282	8.8%
30.9%	3,202	3,310	108	3.4%
32.1%	3,145	3,269	124	3.9%
33.3%	3,008	3,269	261	8.7%
34.6%	2,981	3,218	236	7.9%
35.8%	2,964	3,197	233	7.9%
37.0%	2,941	3,129	189	6.4%
38.3%	2,851	3,112	261	9.2%
39.5%	2,799	3,062	263	9.4%
40.7%	2,764	3,057	292	10.6%
42.0%	2,702	3,052	351	13.0%
43.2%	2,660	3,052	393	14.8%
44.4%	2,654	3,048	394	14.8%
45.7%	2,619	2,983	364	13.9%
46.9%	2,618	2,976	358	13.7%
48.1%	2,449	2,968	519	21.2%
49.4%	2,341	2,956	616	26.3%
50.6%	2,304	2,952	648	28.1%
51.9%	2,288	2,732	444	19.4%
53.1%	2,131	2,663	532	25.0%
54.3%	2,016	2,660	643	31.9%
55.6%	1,778	2,491	713	40.1%
56.8%	1,678	2,487	810	48.3%
58.0%	1,661	2,452	791	47.6%
59.3%	1,654	2,434	780	47.2%
60.5%	1,592	2,409	817	51.3%
61.7%	1,568	2,365	797	50.8%
63.0%	1,535	2,236	701	45.7%
64.2%	1,391	2,232	841	60.5%
65.4%	1,331	2,177	845	63.5%
66.7%	1,244	1,990	746	60.0%
67.9%	1,231	1,917	686	55.7%
69.1%	1,229	1,910	681	55.4%
70.4%	1,203	1,804	601	49.9%
71.6%	1,202	1,778	577	48.0%
72.8%	1,181	1,531	350	29.6%
74.1%	1,180	1,363	183	15.5%
75.3%	1,155	1,303	148	12.8%
76.5%	1,136	1,213	77	6.8%
77.8%	1,123	1,180	57	5.1%
79.0%	1,054	1,104	50	4.8%
80.2%	888	999	110	12.4%
81.5%	800	941	141	17.7%
82.7%	800	940	140	17.5%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	600	-200	-25.0%

August				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,600	4,600	0	0.0%
8.6%	4,600	4,600	0	0.0%
9.9%	4,600	4,600	0	0.0%
11.1%	4,600	4,600	0	0.0%
12.3%	4,600	4,600	0	0.0%
13.6%	4,600	4,600	0	0.0%
14.8%	4,600	4,600	0	0.0%
16.0%	4,600	4,600	0	0.0%
17.3%	4,600	4,600	0	0.0%
18.5%	4,600	4,600	0	0.0%
19.8%	4,600	4,600	0	0.0%
21.0%	4,524	4,600	76	1.7%
22.2%	4,474	4,600	126	2.8%
23.5%	4,343	4,600	257	5.9%
24.7%	4,317	4,600	283	6.6%
25.9%	4,282	4,600	318	7.4%
27.2%	4,260	4,600	340	8.0%
28.4%	4,230	4,600	370	8.7%
29.6%	4,221	4,600	379	9.0%
30.9%	4,221	4,600	379	9.0%
32.1%	4,197	4,600	403	9.6%
33.3%	4,188	4,600	412	9.8%
34.6%	4,169	4,600	431	10.3%
35.8%	4,031	4,530	500	12.4%
37.0%	3,922	4,451	528	13.5%
38.3%	3,917	4,304	388	9.9%
39.5%	3,790	4,265	475	12.5%
40.7%	3,651	4,197	546	15.0%
42.0%	3,561	4,114	553	15.5%
43.2%	3,539	4,044	505	14.3%
44.4%	3,538	3,935	397	11.2%
45.7%	3,343	3,866	523	15.6%
46.9%	3,331	3,768	437	13.1%
48.1%	3,263	3,690	427	13.1%
49.4%	3,198	3,624	426	13.3%
50.6%	3,156	3,622	466	14.8%
51.9%	3,111	3,547	436	14.0%
53.1%	3,111	3,388	277	8.9%
54.3%	3,022	3,248	226	7.5%
55.6%	2,978	3,210	231	7.8%
56.8%	2,947	3,164	217	7.4%
58.0%	2,876	3,156	281	9.8%
59.3%	2,735	3,098	362	13.2%
60.5%	2,664	2,954	291	10.9%
61.7%	2,617	2,932	315	12.0%
63.0%	2,592	2,892	300	11.6%
64.2%	2,530	2,888	357	14.1%
65.4%	2,460	2,883	424	17.2%
66.7%	2,447	2,866	418	17.1%
67.9%	2,263	2,797	534	23.6%
69.1%	2,181	2,734	552	25.3%
70.4%	2,179	2,595	416	19.1%
71.6%	2,130	2,592	462	21.7%
72.8%	2,115	2,458	342	16.2%
74.1%	2,006	2,385	379	18.9%
75.3%	2,004	2,369	365	18.2%
76.5%	2,003	2,360	357	17.8%
77.8%	1,960	2,350	391	19.9%
79.0%	1,880	2,299	418	22.2%
80.2%	1,810	2,274	464	25.6%
81.5%	1,725	2,123	399	23.1%
82.7%	1,703	2,093	390	22.9%
84.0%	1,702	1,963	261	15.3%
85.2%	1,691	1,901	210	12.4%
86.4%	1,667	1,627	-40	-2.4%
87.7%	1,646	1,606	-40	-2.4%
88.9%	1,610	1,369	-240	-14.9%
90.1%	1,554	1,344	-211	-13.5%
91.4%	1,436	1,242	-194	-13.5%
92.6%	1,364	1,178	-186	-13.6%
93.8%	1,241	1,091	-150	-12.1%
95.1%	1,071	1,004	-67	-6.3%
96.3%	810	865	55	6.8%
97.5%	800	828	28	3.5%
98.8%	800	800	0	0.0%
100.0%	800	600	-200	-25.0%

September				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,600	4,600	0	0.0%
1.2%	4,600	4,600	0	0.0%
2.5%	4,600	4,600	0	0.0%
3.7%	4,600	4,600	0	0.0%
4.9%	4,600	4,600	0	0.0%
6.2%	4,600	4,600	0	0.0%
7.4%	4,590	4,600	10	0.2%
8.6%	4,559	4,600	41	0.9%
9.9%	4,411	4,600	189	4.3%
11.1%	4,318	4,600	282	6.5%
12.3%	4,071	4,600	529	13.0%
13.6%	3,928	4,600	672	17.1%
14.8%	3,919	4,600	681	17.4%
16.0%	3,903	4,600	697	17.8%
17.3%	3,871	4,600	729	18.8%
18.5%	3,871	4,600	729	18.8%
19.8%	3,854	4,600	746	19.4%
21.0%	3,850	4,600	750	19.5%
22.2%	3,688	4,595	907	24.6%
23.5%	3,612	4,562	950	26.3%
24.7%	3,605	4,513	908	25.2%
25.9%	3,576	4,511	935	26.1%
27.2%	3,543	4,476	932	26.3%
28.4%	3,539	4,430	891	25.2%
29.6%	3,475	4,372	897	25.8%
30.9%	3,345	4,372	1,027	30.7%
32.1%	3,281	4,317	1,036	31.6%
33.3%	3,222	4,248	1,027	31.9%
34.6%	3,201	4,231	1,029	32.2%
35.8%	3,193	4,097	904	28.3%
37.0%	3,171	4,076	905	28.6%
38.3%	3,145	4,064	918	29.2%
39.5%	3,116	3,975	859	27.6%
40.7%	3,075	3,975	900	29.3%
42.0%	3,029	3,953	924	30.5%
43.2%	3,023	3,944	921	30.5%
44.4%	3,022	3,934	912	30.2%
45.7%	3,000	3,932	932	31.1%
46.9%	2,911	3,889	978	33.6%
48.1%	2,899	3,881	982	33.9%
49.4%	2,873	3,833	960	33.4%
50.6%	2,852	3,765	913	32.0%
51.9%	2,784	3,738	953	34.2%
53.1%	2,743	3,732	989	36.1%
54.3%	2,743	3,526	784	28.6%
55.6%	2,723	3,366	643	23.6%
56.8%	2,722	3,364	641	23.6%
58.0%	2,722	3,325	602	22.1%
59.3%	2,717	3,310	593	21.8%
60.5%	2,717	3,230	513	18.9%
61.7%	2,540	3,044	505	19.9%
63.0%	2,492	2,820	328	13.2%
64.2%	2,479	2,815	336	13.6%
65.4%	2,478	2,775	297	12.0%
66.7%	2,443	2,722	279	11.4%
67.9%	2,431	2,706	274	11.3%
69.1%	2,362	2,690	328	13.9%
70.4%	2,329	2,677	348	14.9%
71.6%	2,325	2,621	295	12.7%
72.8%	2,163	2,479	316	14.6%
74.1%	2,157	2,246	88	4.1%
75.3%	2,146	2,161	15	0.7%
76.5%	2,097	2,143	45	2.2%
77.8%	2,006	2,065	59	2.9%
79.0%	1,973	1,919	-54	-2.7%
80.2%	1,909	1,843	-66	-3.5%
81.5%	1,892	1,710	-182	-9.6%
82.7%	1,878	1,665	-213	-11.3%
84.0%	1,771	1,446	-324	-18.3%
85.2%	1,618	1,131	-488	-30.1%
86.4%	1,561	968	-594	-38.0%
87.7%	1,510	916	-594	-39.3%
88.9%	1,404	800	-604	-43.0%
90.1%	1,350	800	-550	-40.7%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Figure SW-38-b
Banks Pumping Plant (SWP and CVP), Monthly Diversion
Probability of Exceedance

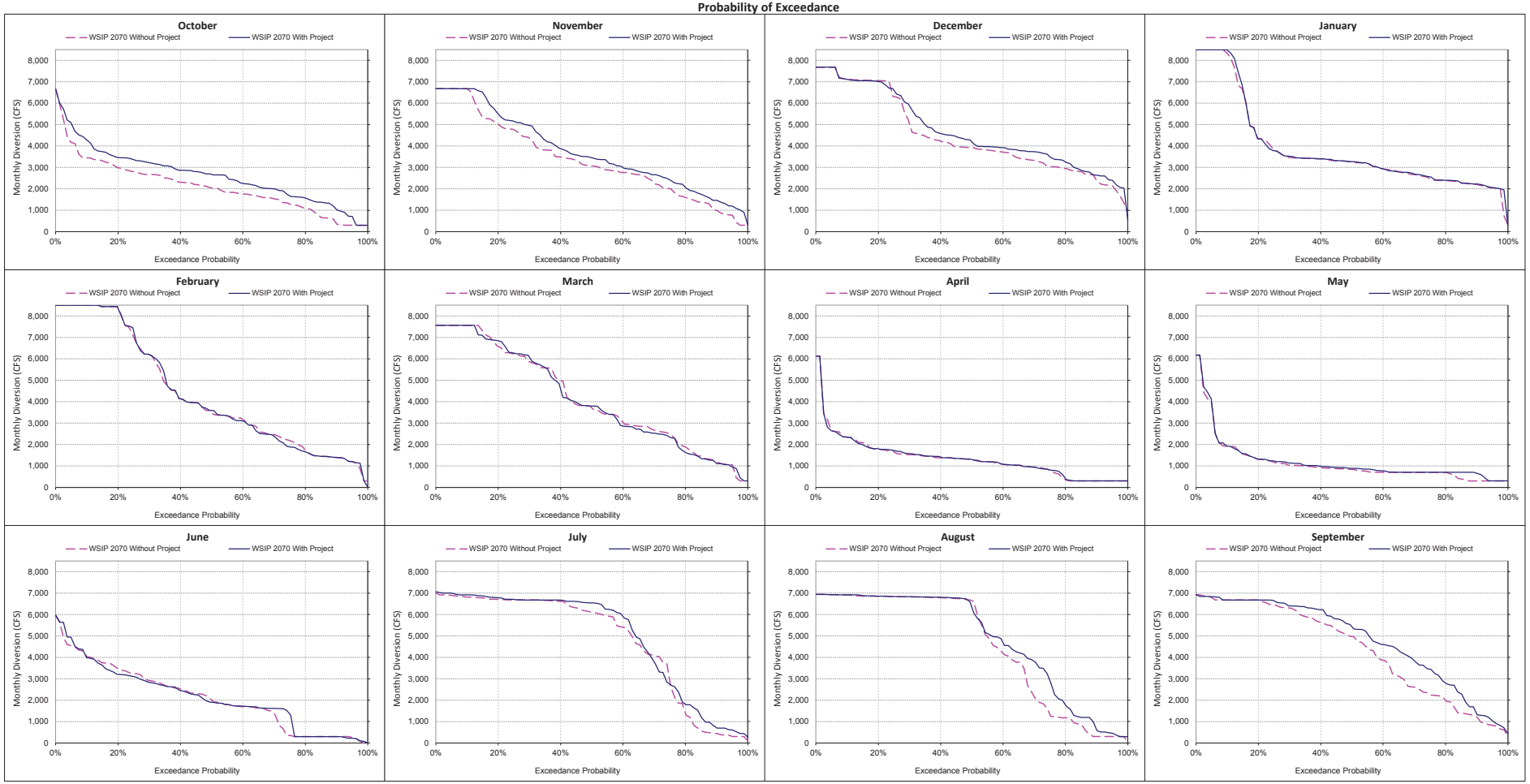


Table SW-38-b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,652	-28	-0.4%
1.2%	5,997	6,009	11	0.2%
2.5%	5,271	5,731	460	8.7%
3.7%	4,452	5,227	774	17.4%
4.9%	4,164	5,086	922	22.1%
6.2%	4,122	4,687	565	13.7%
7.4%	3,625	4,515	890	24.6%
8.6%	3,454	4,448	995	28.8%
9.9%	3,452	4,284	832	24.1%
11.1%	3,438	4,158	720	20.9%
12.3%	3,365	3,860	495	14.7%
13.6%	3,361	3,766	405	12.0%
14.8%	3,319	3,736	417	12.6%
16.0%	3,244	3,707	463	14.3%
17.3%	3,207	3,597	390	12.1%
18.5%	3,108	3,530	422	13.6%
19.8%	2,992	3,459	468	15.6%
21.0%	2,958	3,454	496	16.8%
22.2%	2,890	3,451	561	19.4%
23.5%	2,849	3,430	581	20.4%
24.7%	2,807	3,378	571	20.3%
25.9%	2,793	3,315	521	18.7%
27.2%	2,713	3,309	596	22.0%
28.4%	2,676	3,269	593	22.2%
29.6%	2,673	3,231	558	20.9%
30.9%	2,671	3,192	522	19.5%
32.1%	2,661	3,158	497	18.7%
33.3%	2,631	3,131	500	19.0%
34.6%	2,513	3,073	560	22.3%
35.8%	2,499	3,069	570	22.8%
37.0%	2,460	3,035	575	23.4%
38.3%	2,383	2,925	542	22.8%
39.5%	2,313	2,867	553	23.9%
40.7%	2,300	2,864	564	24.5%
42.0%	2,291	2,860	569	24.8%
43.2%	2,288	2,857	569	24.9%
44.4%	2,203	2,805	602	27.3%
45.7%	2,189	2,801	613	28.0%
46.9%	2,141	2,755	614	28.7%
48.1%	2,126	2,701	575	27.0%
49.4%	2,058	2,698	640	31.1%
50.6%	2,024	2,654	630	31.1%
51.9%	2,023	2,653	630	31.1%
53.1%	1,922	2,651	729	37.9%
54.3%	1,838	2,639	801	43.6%
55.6%	1,836	2,441	605	32.9%
56.8%	1,836	2,432	597	32.5%
58.0%	1,801	2,389	587	32.6%
59.3%	1,772	2,276	504	28.4%
60.5%	1,756	2,232	476	27.1%
61.7%	1,744	2,224	480	27.6%
63.0%	1,696	2,194	498	29.4%
64.2%	1,676	2,150	474	28.3%
65.4%	1,636	2,062	427	26.1%
66.7%	1,593	2,033	440	27.6%
67.9%	1,592	2,022	430	27.0%
69.1%	1,570	2,014	444	28.3%
70.4%	1,523	1,996	473	31.0%
71.6%	1,501	1,923	422	28.1%
72.8%	1,358	1,910	552	40.7%
74.1%	1,346	1,755	409	30.4%
75.3%	1,271	1,638	367	28.8%
76.5%	1,244	1,628	384	30.9%
77.8%	1,212	1,617	405	33.4%
79.0%	1,135	1,602	467	41.2%
80.2%	1,067	1,554	487	45.7%
81.5%	1,058	1,491	433	40.9%
82.7%	940	1,411	471	50.1%
84.0%	792	1,379	587	74.2%
85.2%	654	1,377	723	110.6%
86.4%	640	1,342	702	109.8%
87.7%	630	1,326	696	110.4%
88.9%	603	1,210	608	100.8%
90.1%	349	1,015	666	190.7%
91.4%	326	947	621	190.2%
92.6%	300	902	602	200.6%
93.8%	300	719	419	139.6%
95.1%	300	716	416	138.6%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,555	6,680	125	1.9%
12.3%	6,094	6,680	586	9.6%
13.6%	5,704	6,584	879	15.4%
14.8%	5,380	6,533	1,153	21.4%
16.0%	5,283	6,283	1,000	18.9%
17.3%	5,267	5,923	656	12.4%
18.5%	5,158	5,766	608	11.8%
19.8%	5,048	5,537	490	9.7%
21.0%	4,894	5,331	437	8.9%
22.2%	4,811	5,222	410	8.5%
23.5%	4,797	5,196	400	8.3%
24.7%	4,780	5,173	393	8.2%
25.9%	4,691	5,100	409	8.7%
27.2%	4,500	5,092	591	13.1%
28.4%	4,433	5,003	570	12.9%
29.6%	4,409	4,978	569	12.9%
30.9%	4,283	4,930	647	15.1%
32.1%	3,955	4,665	711	18.0%
33.3%	3,841	4,525	685	17.8%
34.6%	3,824	4,312	488	12.8%
35.8%	3,809	4,186	377	9.9%
37.0%	3,799	4,154	356	9.4%
38.3%	3,510	4,038	529	15.1%
39.5%	3,491	3,899	408	11.7%
40.7%	3,474	3,836	362	10.4%
42.0%	3,426	3,770	345	10.1%
43.2%	3,409	3,651	242	7.1%
44.4%	3,361	3,602	241	7.2%
45.7%	3,276	3,565	289	8.8%
46.9%	3,138	3,513	374	11.9%
48.1%	3,103	3,511	408	13.2%
49.4%	3,083	3,472	389	12.6%
50.6%	3,061	3,428	366	12.0%
51.9%	3,037	3,378	341	11.2%
53.1%	2,951	3,370	419	14.2%
54.3%	2,891	3,363	472	16.3%
55.6%	2,875	3,186	311	10.8%
56.8%	2,845	3,155	310	10.9%
58.0%	2,842	3,078	236	8.3%
59.3%	2,767	3,060	293	10.6%
60.5%	2,762	2,957	195	7.1%
61.7%	2,761	2,933	172	6.2%
63.0%	2,701	2,915	213	7.9%
64.2%	2,670	2,847	177	6.6%
65.4%	2,658	2,793	135	5.1%
66.7%	2,614	2,764	150	5.7%
67.9%	2,495	2,750	256	10.3%
69.1%	2,404	2,666	262	10.9%
70.4%	2,221	2,659	438	19.7%
71.6%	2,184	2,620	436	20.0%
72.8%	2,046	2,546	500	24.4%
74.1%	2,027	2,493	466	23.0%
75.3%	2,002	2,391	388	19.4%
76.5%	1,823	2,279	455	25.0%
77.8%	1,683	2,235	552	32.8%
79.0%	1,648	2,218	570	34.6%
80.2%	1,589	2,045	456	28.7%
81.5%	1,518	1,920	402	26.5%
82.7%	1,474	1,886	412	28.0%
84.0%	1,388	1,807	419	30.2%
85.2%	1,369	1,740	371	27.1%
86.4%	1,351	1,662	311	23.0%
87.7%	1,292	1,584	292	22.6%
88.9%	1,027	1,466	439	42.7%
90.1%	993	1,457	464	46.7%
91.4%	866	1,378	511	59.0%
92.6%	815	1,311	496	60.8%
93.8%	784	1,211	427	54.4%
95.1%	772	1,190	418	54.1%
96.3%	429	1,087	659	153.5%
97.5%	300	1,013	713	237.6%
98.8%	300	900	600	200.0%
100.0%	300	300	0	0.0%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,678	7,678	0	0.0%
1.2%	7,678	7,678	0	0.0%
2.5%	7,678	7,678	0	0.0%
3.7%	7,678	7,678	0	0.0%
4.9%	7,678	7,678	0	0.0%
6.2%	7,678	7,678	0	0.0%
7.4%	7,224	7,165	-58	-0.8%
8.6%	7,148	7,148	0	0.0%
9.9%	7,117	7,112	-5	-0.1%
11.1%	7,112	7,072	-40	-0.6%
12.3%	7,089	7,063	-25	-0.4%
13.6%	7,086	7,059	-27	-0.4%
14.8%	7,072	7,057	-15	-0.2%
16.0%	7,065	7,054	-10	-0.1%
17.3%	7,063	7,048	-15	-0.2%
18.5%	7,058	7,042	-16	-0.2%
19.8%	7,054	7,016	-39	-0.5%
21.0%	7,048	6,996	-53	-0.7%
22.2%	7,042	6,853	-189	-2.7%
23.5%	7,016	6,700	-316	-4.5%
24.7%	6,311	6,681	370	5.9%
25.9%	6,284	6,422	137	2.2%
27.2%	6,193	6,357	163	2.6%
28.4%	5,585	6,063	478	8.6%
29.6%	5,212	5,965	753	14.4%
30.9%	4,633	5,654	1,021	22.0%
32.1%	4,597	5,407	810	17.6%
33.3%	4,523	5,320	797	17.6%
34.6%	4,500	5,061	561	12.5%
35.8%	4,404	4,886	482	11.0%
37.0%	4,355	4,850	495	11.4%
38.3%	4,289	4,663	374	8.7%
39.5%	4,254	4,597	343	8.1%
40.7%	4,186	4,549	363	8.7%
42.0%	4,175	4,523	347	8.3%
43.2%	4,099	4,502	403	9.8%
44.4%	3,971	4,464	493	12.4%
45.7%	3,968	4,400	432	10.9%
46.9%	3,946	4,355	410	10.4%
48.1%	3,936	4,301	366	9.3%
49.4%	3,923	4,282	358	9.1%
50.6%	3,919	4,099	181	4.6%
51.9%	3,853	3,985	133	3.4%
53.1%	3,844	3,983	139	3.6%
54.3%	3,831	3,971	140	3.7%
55.6%	3,803	3,968	165	4.3%
56.8%	3,780	3,962	182	4.8%
58.0%	3,739	3,946	207	5.5%
59.3%	3,729	3,923	195	5.2%
60.5%	3,704	3,919	215	5.8%
61.7%	3,688	3,853	165	4.5%
63.0%	3,577	3,844	267	7.5%
64.2%	3,477	3,822	345	9.9%
65.4%	3,415	3,780	365	10.7%
66.7%	3,408	3,779	371	10.9%
67.9%	3,364	3,744	380	11.3%
69.1%	3,337	3,736	399	11.9%
70.4%	3,328	3,729	401	12.0%
71.6%	3,259	3,711	452	13.9%
72.8%	3,207	3,655	448	14.0%
74.1%	3,057	3,623	566	18.5%
75.3%	3,036	3,459	424	14.0%
76.5%	3,033	3,379	347	11.4%
77.8%	3,010	3,364	354	11.8%
79.0%	2,958	3,344	386	13.1%
80.2%	2,946	3,234	288	9.8%
81.5%	2,877	3,176	298	10.4%
82.7%	2,826	3,002	176	6.2%
84.0%	2,821	2,946	125	4.4%
85.2%	2,798	2,859	61	2.2%
86.4%	2,676	2,808	132	4.9%
87.7%	2,670	2,786	117	4.4%
88.9%	2,658	2,654	-4	-0.1%
90.1%	2,351	2,638	288	12.2%
91.4%	2,222	2,604	382	17.2%
92.6%	2,185	2,603	417	19.1%
93.8%	2,169	2,416	246	11.3%
95.1%	2,144	2,399	255	11.9%
96.3%	1,920	2,183	263	13.7%
97.5%	1,668	2,072	404	24.2%
98.8%	1,328	2,033	706	53.2%
100.0%	856	518	-337	-39.4%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	8,500	8,500	0	0.0%
4.9%	8,500	8,500	0	0.0%
6.2%	8,500	8,500	0	0.0%
7.4%	8,500	8,500	0	0.0%
8.6%	8,500	8,500	0	0.0%
9.9%	8,350	8,500	150	1.8%
11.1%	8,119	8,343	224	2.8%
12.3%	7,657	8,100	443	5.8%
13.6%	6,827	7,446	619	9.1%
14.8%	6,678	6,842	164	2.5%
16.0%	6,000	5,976	-24	-0.4%
17.3%	4,942	4,942	0	0.0%
18.5%	4,871	4,847	-24	-0.5%
19.8%	4,353	4,353	0	0.0%
21.0%	4,325	4,325	0	0.0%
22.2%	4,278	4,089	-189	-4.4%
23.5%	4,089	3,870	-219	-5.3%
24.7%	3,870	3,788	-83	-2.1%
25.9%	3,763	3,749	-14	-0.4%
27.2%	3,640	3,639	-1	0.0%
28.4%	3,512	3,534	23	0.7%
29.6%	3,476	3,524	48	1.4%
30.9%	3,451	3,512	61	1.8%
32.1%	3,442	3,451	9	0.3%
33.3%	3,440	3,442	1	0.0%
34.6%	3,438	3,429	-9	-0.2%
35.8%	3,424	3,427	4	0.1%
37.0%	3,414	3,424	10	0.3%
38.3%	3,403	3,414	11	0.3%
39.5%	3,403	3,406	3	0.1%
40.7%	3,403	3,404	1	0.0%
42.0%	3,373	3,375	2	0.1%
43.2%	3,323	3,373	50	1.5%
44.4%	3,319	3,323	4	0.1%
45.7%	3,301	3,319	18	0.6%
46.9%	3,300	3,307	6	0.2%
48.1%	3,286	3,291	5	0.1%
49.4%	3,270	3,272	2	0.1%
50.6%	3,227	3,270	43	1.3%
51.9%	3,221	3,245	23	0.7%
53.1%	3,214	3,221	7	0.2%
54.3%	3,195	3,214	19	0.6%
55.6%	3,156	3,156	0	0.0%
56.8%	3,046	3,046	0	0.0%
58.0%	3,021	3,023	2	0.1%
59.3%	2,948	2,958	10	0.3%
60.5%	2,913	2,913	0	0.0%
61.7%	2,899	2,845	-54	-1.8%
63.0%	2,884	2,838	-47	-1.6%
64.2%	2,830	2,810	-20	-0.7%
65.4%	2,786	2,786	0	0.0%
66.7%	2,734	2,772	38	1.4%
67.9%	2,720	2,767	47	1.7%
69.1%	2,669	2,734	65	2.4%
70.4%	2,661	2,669	8	0.3%
71.6%	2,627	2,661	34	1.3%
72.8%	2,576	2,627	51	2.0%
74.1%	2,554	2,576	22	0.9%
75.3%	2,420	2,554	133	5.5%
76.5%	2,405	2,420	15	0.6%
77.8%	2,392	2,405	13	0.5%
79.0%	2,390	2,404	14	0.6%
80.2%	2,380	2,400	20	0.8%
81.5%	2,371	2,392	21	0.9%
82.7%	2,357	2,380	23	1.0%
84.0%	2,330	2,371	40	1.7%
85.2%	2,285	2,265	-20	-0.9%
86.4%	2,255	2,257	2	0.1%
87.7%	2,229	2,255	25	1.1%
88.9%	2,225	2,228	2	0.1%
90.1%	2,198	2,225	27	1.2%
91.4%	2,153	2,197	44	2.0%
92.6%	2,120	2,153	33	1.6%
93.8%	2,059	2,093	34	1.6%
95.1%	2,048	2,057	9	0.4%
96.3%	2,040	2,030	-10	-0.5%
97.5%	2,029	2,003	-26	-1.3%
98.8%	733	1,947	1,214	165.6%
100.0%	300	300	0	0.0%

Table SW-38-b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	8,500	8,500	0	0.0%
4.9%	8,500	8,500	0	0.0%
6.2%	8,500	8,500	0	0.0%
7.4%	8,500	8,500	0	0.0%
8.6%	8,500	8,500	0	0.0%
9.9%	8,500	8,500	0	0.0%
11.1%	8,500	8,500	0	0.0%
12.3%	8,500	8,500	0	0.0%
13.6%	8,500	8,500	0	0.0%
14.8%	8,437	8,437	0	0.0%
16.0%	8,437	8,437	0	0.0%
17.3%	8,437	8,437	0	0.0%
18.5%	8,437	8,437	0	0.0%
19.8%	8,437	8,437	0	0.0%
21.0%	8,050	8,028	-21	-0.3%
22.2%	7,565	7,563	-2	0.0%
23.5%	7,480	7,533	53	0.7%
24.7%	7,133	7,451	319	4.5%
25.9%	6,703	6,751	48	0.7%
27.2%	6,466	6,393	-74	-1.1%
28.4%	6,231	6,226	-5	-0.1%
29.6%	6,221	6,221	0	0.0%
30.9%	6,147	6,121	-25	-0.4%
32.1%	5,818	6,005	186	3.2%
33.3%	5,527	5,818	291	5.3%
34.6%	4,960	5,462	502	10.1%
35.8%	4,738	4,729	-8	-0.2%
37.0%	4,536	4,565	29	0.6%
38.3%	4,515	4,536	21	0.5%
39.5%	4,151	4,151	0	0.0%
40.7%	4,104	4,111	7	0.2%
42.0%	3,986	3,987	0	0.0%
43.2%	3,965	3,966	1	0.0%
44.4%	3,950	3,950	0	0.0%
45.7%	3,944	3,944	0	0.0%
46.9%	3,747	3,747	0	0.0%
48.1%	3,594	3,702	108	3.0%
49.4%	3,585	3,594	9	0.3%
50.6%	3,400	3,587	187	5.5%
51.9%	3,376	3,400	24	0.7%
53.1%	3,364	3,376	12	0.3%
54.3%	3,354	3,364	10	0.3%
55.6%	3,328	3,313	-15	-0.5%
56.8%	3,242	3,189	-53	-1.6%
58.0%	3,240	3,118	-122	-3.8%
59.3%	3,238	3,117	-121	-3.7%
60.5%	3,118	3,075	-43	-1.4%
61.7%	2,909	2,909	0	0.0%
63.0%	2,908	2,908	0	0.0%
64.2%	2,846	2,648	-199	-7.0%
65.4%	2,578	2,507	-72	-2.8%
66.7%	2,568	2,499	-69	-2.7%
67.9%	2,499	2,479	-20	-0.8%
69.1%	2,479	2,460	-19	-0.8%
70.4%	2,456	2,349	-107	-4.3%
71.6%	2,375	2,171	-204	-8.6%
72.8%	2,273	2,082	-192	-8.4%
74.1%	2,226	1,913	-313	-14.0%
75.3%	2,171	1,876	-295	-13.6%
76.5%	2,082	1,862	-220	-10.5%
77.8%	1,983	1,775	-208	-10.5%
79.0%	1,913	1,696	-217	-11.4%
80.2%	1,696	1,649	-47	-2.7%
81.5%	1,561	1,562	2	0.1%
82.7%	1,485	1,480	-5	-0.4%
84.0%	1,471	1,471	0	0.0%
85.2%	1,449	1,449	0	0.0%
86.4%	1,449	1,449	0	0.0%
87.7%	1,430	1,430	0	0.0%
88.9%	1,408	1,408	0	0.0%
90.1%	1,390	1,390	0	0.0%
91.4%	1,386	1,384	-2	-0.2%
92.6%	1,349	1,349	0	0.0%
93.8%	1,219	1,219	0	0.0%
95.1%	1,202	1,202	0	0.0%
96.3%	1,124	1,156	32	2.9%
97.5%	879	1,124	245	27.9%
98.8%	300	300	0	0.0%
100.0%	300	7	-293	-97.5%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,561	7,561	0	0.0%
1.2%	7,561	7,561	0	0.0%
2.5%	7,561	7,561	0	0.0%
3.7%	7,561	7,561	0	0.0%
4.9%	7,561	7,561	0	0.0%
6.2%	7,561	7,561	0	0.0%
7.4%	7,561	7,561	0	0.0%
8.6%	7,561	7,561	0	0.0%
9.9%	7,561	7,561	0	0.0%
11.1%	7,561	7,561	0	0.0%
12.3%	7,561	7,561	0	0.0%
13.6%	7,561	7,114	-446	-5.9%
14.8%	7,337	7,111	-227	-3.1%
16.0%	7,121	6,929	-192	-2.7%
17.3%	7,020	6,894	-126	-1.8%
18.5%	6,801	6,878	77	1.1%
19.8%	6,589	6,854	264	4.0%
21.0%	6,511	6,801	290	4.5%
22.2%	6,291	6,589	298	4.7%
23.5%	6,286	6,311	26	0.4%
24.7%	6,236	6,280	44	0.7%
25.9%	6,231	6,237	6	0.1%
27.2%	6,134	6,231	97	1.6%
28.4%	6,127	6,182	55	0.9%
29.6%	5,880	6,171	291	4.9%
30.9%	5,816	5,880	63	1.1%
32.1%	5,752	5,802	50	0.9%
33.3%	5,587	5,728	141	2.5%
34.6%	5,585	5,632	47	0.8%
35.8%	5,573	5,516	-58	-1.0%
37.0%	5,558	5,151	-407	-7.3%
38.3%	5,151	4,997	-154	-3.0%
39.5%	5,006	4,856	-150	-3.0%
40.7%	4,956	4,200	-756	-15.3%
42.0%	4,200	4,170	-30	-0.7%
43.2%	4,065	4,065	0	0.0%
44.4%	3,918	4,019	102	2.6%
45.7%	3,824	3,918	93	2.4%
46.9%	3,820	3,824	5	0.1%
48.1%	3,796	3,818	21	0.6%
49.4%	3,796	3,796	1	0.0%
50.6%	3,622	3,796	174	4.8%
51.9%	3,610	3,781	171	4.7%
53.1%	3,475	3,606	130	3.8%
54.3%	3,411	3,479	68	2.0%
55.6%	3,408	3,411	2	0.1%
56.8%	3,404	3,404	0	0.0%
58.0%	3,346	3,178	-168	-5.0%
59.3%	3,167	2,887	-280	-8.8%
60.5%	2,949	2,848	-102	-3.5%
61.7%	2,929	2,835	-94	-3.2%
63.0%	2,887	2,828	-60	-2.1%
64.2%	2,870	2,715	-155	-5.4%
65.4%	2,848	2,715	-133	-4.7%
66.7%	2,847	2,585	-262	-9.2%
67.9%	2,835	2,580	-254	-9.0%
69.1%	2,715	2,540	-174	-6.4%
70.4%	2,656	2,527	-129	-4.8%
71.6%	2,609	2,491	-118	-4.5%
72.8%	2,580	2,472	-108	-4.2%
74.1%	2,551	2,424	-126	-5.0%
75.3%	2,472	2,323	-150	-6.0%
76.5%	2,292	2,292	0	0.0%
77.8%	2,035	1,866	-169	-8.3%
79.0%	1,947	1,717	-230	-11.8%
80.2%	1,866	1,612	-254	-13.6%
81.5%	1,735	1,557	-178	-10.3%
82.7%	1,612	1,528	-85	-5.2%
84.0%	1,462	1,460	-2	-0.1%
85.2%	1,460	1,333	-127	-8.7%
86.4%	1,333	1,328	-5	-0.4%
87.7%	1,328	1,279	-49	-3.7%
88.9%	1,262	1,262	0	0.0%
90.1%	1,190	1,109	-81	-6.8%
91.4%	1,107	1,107	0	0.0%
92.6%	1,086	1,072	-14	-1.3%
93.8%	1,072	1,052	-20	-1.8%
95.1%	1,052	943	-109	-10.4%
96.3%	448	884	437	97.5%
97.5%	300	448	148	49.3%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,125	6,125	0	0.0%
1.2%	6,125	6,125	0	0.0%
2.5%	3,448	3,443	-6	-0.2%
3.7%	3,166	2,816	-350	-11.1%
4.9%	2,650	2,641	-9	-0.3%
6.2%	2,598	2,613	15	0.6%
7.4%	2,594	2,471	-123	-4.8%
8.6%	2,362	2,362	0	0.0%
9.9%	2,352	2,345	-8	-0.3%
11.1%	2,333	2,325	-9	-0.4%
12.3%	2,285	2,182	-103	-4.5%
13.6%	2,104	2,054	-50	-2.4%
14.8%	2,087	1,996	-91	-4.3%
16.0%	2,062	1,903	-160	-7.7%
17.3%	1,843	1,843	0	0.0%
18.5%	1,803	1,812	9	0.5%
19.8%	1,767	1,803	36	2.0%
21.0%	1,767	1,767	0	0.0%
22.2%	1,738	1,767	28	1.6%
23.5%	1,704	1,759	55	3.2%
24.7%	1,682	1,733	51	3.0%
25.9%	1,575	1,683	107	6.8%
27.2%	1,560	1,674	115	7.4%
28.4%	1,543	1,597	54	3.5%
29.6%	1,528	1,575	47	3.1%
30.9%	1,523	1,560	37	2.4%
32.1%	1,516	1,528	12	0.8%
33.3%	1,491	1,523	32	2.1%
34.6%	1,460	1,478	18	1.2%
35.8%	1,456	1,460	4	0.3%
37.0%	1,440	1,456	16	1.1%
38.3%	1,394	1,440	46	3.3%
39.5%	1,383	1,440	56	4.1%
40.7%	1,382	1,383	1	0.1%
42.0%	1,379	1,382	3	0.2%
43.2%	1,370	1,379	9	0.7%
44.4%	1,348	1,362	14	1.0%
45.7%	1,339	1,348	9	0.7%
46.9%	1,337	1,337	0	0.0%
48.1%	1,323	1,323	0	0.0%
49.4%	1,297	1,318	21	1.6%
50.6%	1,272	1,269	-3	-0.3%
51.9%	1,226	1,264	38	3.1%
53.1%	1,207	1,207	0	0.0%
54.3%	1,206	1,203	-3	-0.3%
55.6%	1,193	1,193	0	0.0%
56.8%	1,183	1,187	4	0.4%
58.0%	1,106	1,182	76	6.9%
59.3%	1,093	1,106	14	1.3%
60.5%	1,064	1,064	0	0.0%
61.7%	1,058	1,058	0	0.0%
63.0%	1,042	1,041	0	0.0%
64.2%	1,041	1,034	-7	-0.7%
65.4%	1,030	1,030	0	0.0%
66.7%	978	976	-2	-0.2%
67.9%	976	966	-10	-1.0%
69.1%	958	950	-8	-0.8%
70.4%	950	936	-15	-1.5%
71.6%	947	892	-55	-5.8%
72.8%	892	857	-35	-3.9%
74.1%	855	855	0	0.0%
75.3%	784	798	14	1.8%
76.5%	673	784	111	16.4%
77.8%	626	750	124	19.9%
79.0%	466	610	145	31.1%
80.2%	333	362	29	8.7%
81.5%	300	328	28	9.3%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,177	6,177	0	0.0%
1.2%	6,177	6,177	0	0.0%
2.5%	4,434	4,698	263	5.9%
3.7%	4,142	4,441	299	7.2%
4.9%	3,976	4,135	160	4.0%
6.2%	2,521	2,513	-8	-0.3%
7.4%	2,092	2,080	-12	-0.6%
8.6%	1,935	2,076	141	7.3%
9.9%	1,913	1,924	11	0.6%
11.1%	1,899	1,902	3	0.2%
12.3%	1,898	1,807	-91	-4.8%
13.6%	1,728	1,729	0	0.0%
14.8%	1,574	1,574	0	0.0%
16.0%	1,510	1,566	56	3.7%
17.3%	1,459	1,459	0	0.0%
18.5%	1,401	1,391	-10	-0.7%
19.8%	1,314	1,321	7	0.5%
21.0%	1,309	1,315	6	0.5%
22.2%	1,264	1,312	48	3.8%
23.5%	1,247	1,252	5	0.4%
24.7%	1,195	1,236	41	3.4%
25.9%	1,126	1,202	76	6.7%
27.2%	1,117	1,197	80	7.1%
28.4%	1,111	1,184	73	6.6%
29.6%	1,042	1,141	99	9.5%
30.9%	1,025	1,126	101	9.8%
32.1%	1,024	1,117	93	9.1%
33.3%	1,021	1,111	90	8.8%
34.6%	1,002	1,035	33	3.3%
35.8%	976	1,025	49	5.1%
37.0%	968	1,024	56	5.8%
38.3%	947	1,021	74	7.8%
39.5%	925	999	74	8.0%
40.7%	909	976	67	7.4%
42.0%	900	968	68	7.6%
43.2%	882	948	66	7.4%
44.4%	881	937	56	6.4%
45.7%	869	925	56	6.5%
46.9%	866	921	55	6.3%
48.1%	848	909	61	7.2%
49.4%	845	889	45	5.3%
50.6%	830	882	52	6.2%
51.9%	791	881	90	11.4%
53.1%	768	866	99	12.8%
54.3%	762	848	85	11.2%
55.6%	720	845	125	17.3%
56.8%	711	830	119	16.8%
58.0%	704	790	86	12.2%
59.3%	700	776	76	10.8%
60.5%	700	762	62	8.9%
61.7%	700	721	21	2.9%
63.0%	700	711	11	1.6%
64.2%	700	704	4	0.6%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	633	700	67	10.6%
82.7%	589	700	111	18.8%
84.0%	422	700	278	65.9%
85.2%	388	700	312	80.5%
86.4%	355	700	345	97.0%
87.7%	300	700	400	133.3%
88.9%	300	700	400	133.3%
90.1%	300	655	355	118.2%
91.4%	300	591	291	96.9%
92.6%	300	452	152	50.8%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

Table SW-38-b

Banks Pumping Plant (SWP and CVP), Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,990	5,945	-45	-0.7%
1.2%	5,676	5,648	-28	-0.5%
2.5%	4,952	5,633	681	13.8%
3.7%	4,597	4,952	355	7.7%
4.9%	4,544	4,944	400	8.8%
6.2%	4,489	4,516	27	0.6%
7.4%	4,339	4,390	52	1.2%
8.6%	4,306	4,375	68	1.6%
9.9%	4,050	3,987	-63	-1.6%
11.1%	3,996	3,963	-32	-0.8%
12.3%	3,953	3,913	-40	-1.0%
13.6%	3,862	3,729	-133	-3.4%
14.8%	3,748	3,647	-101	-2.7%
16.0%	3,732	3,467	-265	-7.1%
17.3%	3,731	3,394	-337	-9.0%
18.5%	3,621	3,314	-307	-8.5%
19.8%	3,491	3,209	-281	-8.1%
21.0%	3,394	3,190	-203	-6.0%
22.2%	3,370	3,185	-186	-5.5%
23.5%	3,295	3,143	-152	-4.6%
24.7%	3,240	3,113	-127	-3.9%
25.9%	3,238	3,076	-162	-5.0%
27.2%	3,190	2,973	-218	-6.8%
28.4%	2,988	2,910	-78	-2.6%
29.6%	2,925	2,840	-84	-2.9%
30.9%	2,895	2,806	-89	-3.1%
32.1%	2,859	2,783	-76	-2.7%
33.3%	2,806	2,722	-83	-3.0%
34.6%	2,722	2,685	-37	-1.4%
35.8%	2,639	2,639	0	0.0%
37.0%	2,613	2,620	7	0.3%
38.3%	2,566	2,613	47	1.8%
39.5%	2,561	2,471	-91	-3.5%
40.7%	2,471	2,425	-45	-1.8%
42.0%	2,426	2,372	-54	-2.2%
43.2%	2,332	2,293	-38	-1.7%
44.4%	2,319	2,265	-54	-2.3%
45.7%	2,299	2,234	-66	-2.9%
46.9%	2,278	2,101	-177	-7.8%
48.1%	2,214	1,979	-235	-10.6%
49.4%	2,100	1,906	-194	-9.2%
50.6%	1,915	1,894	-21	-1.1%
51.9%	1,906	1,866	-41	-2.1%
53.1%	1,858	1,858	0	0.0%
54.3%	1,799	1,799	0	0.0%
55.6%	1,792	1,792	0	0.0%
56.8%	1,741	1,741	0	0.0%
58.0%	1,721	1,728	8	0.4%
59.3%	1,701	1,723	22	1.3%
60.5%	1,697	1,721	24	1.4%
61.7%	1,692	1,701	9	0.5%
63.0%	1,692	1,697	5	0.3%
64.2%	1,632	1,692	60	3.7%
65.4%	1,618	1,635	16	1.0%
66.7%	1,617	1,632	14	0.9%
67.9%	1,520	1,624	104	6.8%
69.1%	1,501	1,617	117	7.8%
70.4%	1,307	1,613	306	23.4%
71.6%	826	1,610	784	95.0%
72.8%	676	1,610	934	138.2%
74.1%	351	1,519	1,169	333.3%
75.3%	348	1,296	948	272.5%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	261	-39	-13.0%
93.8%	300	229	-71	-23.7%
95.1%	261	226	-35	-13.3%
96.3%	200	200	0	0.0%
97.5%	79	100	21	
98.8%	0	79	79	
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,005	7,066	61	0.9%
1.2%	6,922	7,030	108	1.6%
2.5%	6,922	7,005	83	1.2%
3.7%	6,921	7,005	84	1.2%
4.9%	6,897	7,005	108	1.6%
6.2%	6,869	6,959	90	1.3%
7.4%	6,850	6,922	72	1.1%
8.6%	6,840	6,922	83	1.2%
9.9%	6,815	6,922	107	1.6%
11.1%	6,808	6,921	113	1.7%
12.3%	6,796	6,905	109	1.6%
13.6%	6,784	6,879	94	1.4%
14.8%	6,776	6,869	93	1.4%
16.0%	6,757	6,849	91	1.4%
17.3%	6,714	6,808	94	1.4%
18.5%	6,713	6,797	84	1.3%
19.8%	6,710	6,782	73	1.1%
21.0%	6,707	6,776	69	1.0%
22.2%	6,692	6,714	22	0.3%
23.5%	6,680	6,710	30	0.4%
24.7%	6,680	6,707	27	0.4%
25.9%	6,680	6,692	12	0.2%
27.2%	6,680	6,692	12	0.2%
28.4%	6,680	6,680	0	0.0%
29.6%	6,680	6,680	0	0.0%
30.9%	6,680	6,680	0	0.0%
32.1%	6,680	6,680	0	0.0%
33.3%	6,680	6,680	0	0.0%
34.6%	6,661	6,680	19	0.3%
35.8%	6,659	6,680	21	0.3%
37.0%	6,644	6,680	36	0.5%
38.3%	6,619	6,680	61	0.9%
39.5%	6,617	6,671	54	0.8%
40.7%	6,617	6,658	42	0.6%
42.0%	6,486	6,611	125	1.9%
43.2%	6,365	6,609	244	3.8%
44.4%	6,327	6,609	282	4.5%
45.7%	6,292	6,599	307	4.9%
46.9%	6,199	6,571	372	6.0%
48.1%	6,163	6,558	395	6.4%
49.4%	6,128	6,547	420	6.9%
50.6%	6,111	6,547	436	7.1%
51.9%	6,050	6,513	463	7.7%
53.1%	6,009	6,464	455	7.6%
54.3%	5,950	6,256	306	5.1%
55.6%	5,913	6,236	323	5.5%
56.8%	5,895	6,200	305	5.2%
58.0%	5,480	6,093	613	11.2%
59.3%	5,422	6,050	628	11.6%
60.5%	5,397	5,829	432	8.0%
61.7%	5,245	5,766	521	9.9%
63.0%	4,973	5,271	298	6.0%
64.2%	4,640	4,952	312	6.7%
65.4%	4,579	4,859	280	6.1%
66.7%	4,295	4,476	181	4.2%
67.9%	4,165	4,255	91	2.2%
69.1%	4,120	3,978	-142	-3.5%
70.4%	4,054	3,690	-364	-9.0%
71.6%	4,035	3,310	-725	-18.0%
72.8%	3,750	3,286	-465	-12.4%
74.1%	3,696	2,840	-856	-23.2%
75.3%	2,639	2,705	66	2.5%
76.5%	2,140	2,627	487	22.7%
77.8%	1,859	2,385	527	28.3%
79.0%	1,852	1,906	54	2.9%
80.2%	1,294	1,793	499	38.6%
81.5%	1,200	1,792	592	49.3%
82.7%	824	1,644	820	99.5%
84.0%	700	1,536	836	119.4%
85.2%	558	1,182	625	112.0%
86.4%	500	978	478	95.5%
87.7%	488	973	486	99.6%
88.9%	446	827	380	85.2%
90.1%	443	700	257	58.1%
91.4%	384	700	316	82.2%
92.6%	377	700	323	85.8%
93.8%	372	628	256	68.9%
95.1%	300	614	314	104.6%
96.3%	300	524	224	74.7%
97.5%	300	442	142	47.2%
98.8%	300	440	140	46.6%
100.0%	104	272	167	

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,938	6,938	0	0.0%
1.2%	6,938	6,938	0	0.0%
2.5%	6,937	6,937	0	0.0%
3.7%	6,926	6,926	0	0.0%
4.9%	6,925	6,925	0	0.0%
6.2%	6,925	6,925	0	0.0%
7.4%	6,922	6,922	0	0.0%
8.6%	6,920	6,922	2	0.0%
9.9%	6,919	6,922	3	0.0%
11.1%	6,918	6,920	2	0.0%
12.3%	6,876	6,919	43	0.6%
13.6%	6,873	6,918	45	0.7%
14.8%	6,867	6,876	10	0.1%
16.0%	6,864	6,873	9	0.1%
17.3%	6,861	6,867	5	0.1%
18.5%	6,854	6,864	11	0.2%
19.8%	6,853	6,861	9	0.1%
21.0%	6,851	6,853	1	0.0%
22.2%	6,849	6,851	2	0.0%
23.5%	6,845	6,849	4	0.1%
24.7%	6,833	6,845	12	0.2%
25.9%	6,833	6,833	0	0.0%
27.2%	6,832	6,833	0	0.0%
28.4%	6,827	6,832	5	0.1%
29.6%	6,826	6,828	3	0.0%
30.9%	6,823	6,827	5	0.1%
32.1%	6,823	6,826	3	0.0%
33.3%	6,823	6,823	0	0.0%
34.6%	6,811	6,823	11	0.2%
35.8%	6,804	6,823	18	0.3%
37.0%	6,804	6,811	7	0.1%
38.3%	6,799	6,804	5	0.1%
39.5%	6,793	6,804	12	0.2%
40.7%	6,780	6,799	19	0.3%
42.0%	6,773	6,793	19	0.3%
43.2%	6,772	6,780	9	0.1%
44.4%	6,752	6,773	22	0.3%
45.7%	6,746	6,772	25	0.4%
46.9%	6,741	6,752	10	0.2%
48.1%	6,693	6,741	48	0.7%
49.4%	6,680	6,588	-92	-1.4%
50.6%	6,602	6,066	-536	-8.1%
51.9%	5,923	5,803	-120	-2.0%
53.1%	5,508	5,618	110	2.0%
54.3%	5,064	5,160	96	1.9%
55.6%	4,880	5,080	201	4.1%
56.8%	4,559	4,968	410	9.0%
58.0%	4,473	4,958	485	10.8%
59.3%	4,296	4,879	583	13.6%
60.5%	4,117	4,558	440	10.7%
61.7%	4,056	4,550	493	12.2%
63.0%	3,881	4,366	486	12.5%
64.2%	3,774	4,259	484	12.8%
65.4%	3,772	4,201	429	11.4%
66.7%	3,505	4,141	636	18.1%
67.9%	2,673	3,943	1,270	47.5%
69.1%	2,387	3,904	1,517	63.5%
70.4%	2,066	3,774	1,708	82.7%
71.6%	1,898	3,507	1,609	84.8%
72.8%	1,835	3,480	1,645	89.6%
74.1%	1,629	3,247	1,617	99.3%
75.3%	1,240	2,820	1,579	127.3%
76.5%	1,238	2,258	1,020	82.4%
77.8%	1,200	2,067	867	72.2%
79.0%	1,177	1,993	816	69.3%
80.2%	1,176	1,717	542	46.1%
81.5%	1,159	1,577	418	36.1%
82.7%	942	1,287	345	36.6%
84.0%	890	1,231	342	38.4%
85.2%	864	1,199	335	38.7%
86.4%	579	1,195	616	106.3%
87.7%	419	1,192	772	184.2%
88.9%	300	983	683	227.7%
90.1%	300	579	279	93.1%
91.4%	300	514	214	71.2%
92.6%	300	510	210	70.1%
93.8%	300	473	173	57.8%
95.1%	300	451	151	50.3%
96.3%	300	373	73	24.5%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	0	300	300	

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,930	6,933	2	0.0%
1.2%	6,915	6,851	-64	-0.9%
2.5%	6,875	6,843	-32	-0.5%
3.7%	6,868	6,843	-25	-0.4%
4.9%	6,803	6,838	36	0.5%
6.2%	6,680	6,815	135	2.0%
7.4%	6,680	6,804	124	1.9%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,680	0	0.0%
16.0%	6,680	6,680	0	0.0%
17.3%	6,680	6,680	0	0.0%
18.5%	6,680	6,680	0	0.0%
19.8%	6,680	6,680	0	0.0%
21.0%	6,605	6,680	75	1.1%
22.2%	6,569	6,680	111	1.7%
23.5%	6,477	6,680	203	3.1%
24.7%	6,465	6,666	201	3.1%
25.9%	6,414	6,567	153	2.4%
27.2%	6,333	6,546	213	3.4%
28.4%	6,321	6,526	205	3.2%
29.6%	6,313	6,407	94	1.5%
30.9%	6,282	6,400	118	1.9%
32.1%	6,180	6,397	217	3.5%
33.3%	5,993	6,375	381	6.4%
34.6%	5,925	6,369	444	7.5%
35.8%	5,874	6,308	434	7.4%
37.0%	5,864	6,304	440	7.5%
38.3%	5,722	6,258	536	9.4%
39.5%	5,652	6,224	572	10.1%
40.7%	5,608	6,223	615	11.0%
42.0%	5,514	5,951	437	7.9%
43.2%	5,488	5,922	434	7.9%
44.4%	5,363	5,800	437	8.1%
45.7%	5,219	5,794	575	11.0%
46.9%	5,150	5,716	566	11.0%
48.1%	5,069	5,579	510	10.1%
49.4%	4,984	5,531	547	11.0%
50.6%	4,960	5,325	365	7.4%
51.9%	4,741	5,303	562	11.9%
53.1%	4,704	5,303	599	12.7%
54.3%	4,531	5,237	706	15.6%
55.6%	4,350	4,990	640	14.7%
56.8%	4,319	4,761	442	10.2%
58.0%	3,993	4,683	690	17.3%
59.3%	3,888	4,614	727	18.7%
60.5%	3,846	4,588	742	19.3%
61.7%	3,716	4,542	826	22.2%
63.0%	3,239	4,511	1,272	39.3%
64.2%	3,176	4,425	1,249	39.3%
65.4%	3,082	4,268	1,186	38.5%
66.7%	2,966	4,161	1,195	40.3%
67.9%	2,653	4,063	1,410	53.1%
69.1%	2,621	3,958	1,336	51.0%
70.4%	2,607	3,787	1,180	45.2%
71.6%	2,505	3,648	1,143	45.6%
72.8%	2,375	3,635	1,260	53.1%
74.1%	2,348	3,470	1,122	47.8%
75.3%	2,239	3,441	1,202	53.7%
76.5%	2,225	3,244	1,019	45.8%
77.8%	2,206	3,164	958	43.4%
79.0%	2,178	2,913	735	33.8%
80.2%	1,941	2,769	827	42.6%
81.5%	1,924	2,715	791	41.1%
82.7%	1,685	2,698	1,013	60.1%
84.0%	1,407	2,382	975	69.3%
85.2%	1,392	2,281	889	63.8%
86.4%	1,368	1,924	556	40.6%
87.7%	1,332	1,695	363	27.2%
88.9%	1,299	1,686	387	29.8%
90.1%	1,207	1,319	112	9.3%
91.4%	963	1,296	333	34.5%
92.6%	931	1,274	343	36.9%
93.8%	853	1,197	344	40.4%
95.1%	822	1,034	212	25.8%
96.3%	787	901	115	14.6%
97.5%	654	822	168	25.7%
98.8%	612	704	92	15.0%
100.0%	300	437	137	45.5%

Figure SW-39-b
Banks Pumping Plant (SWP), Monthly Diversion
Probability of Exceedance

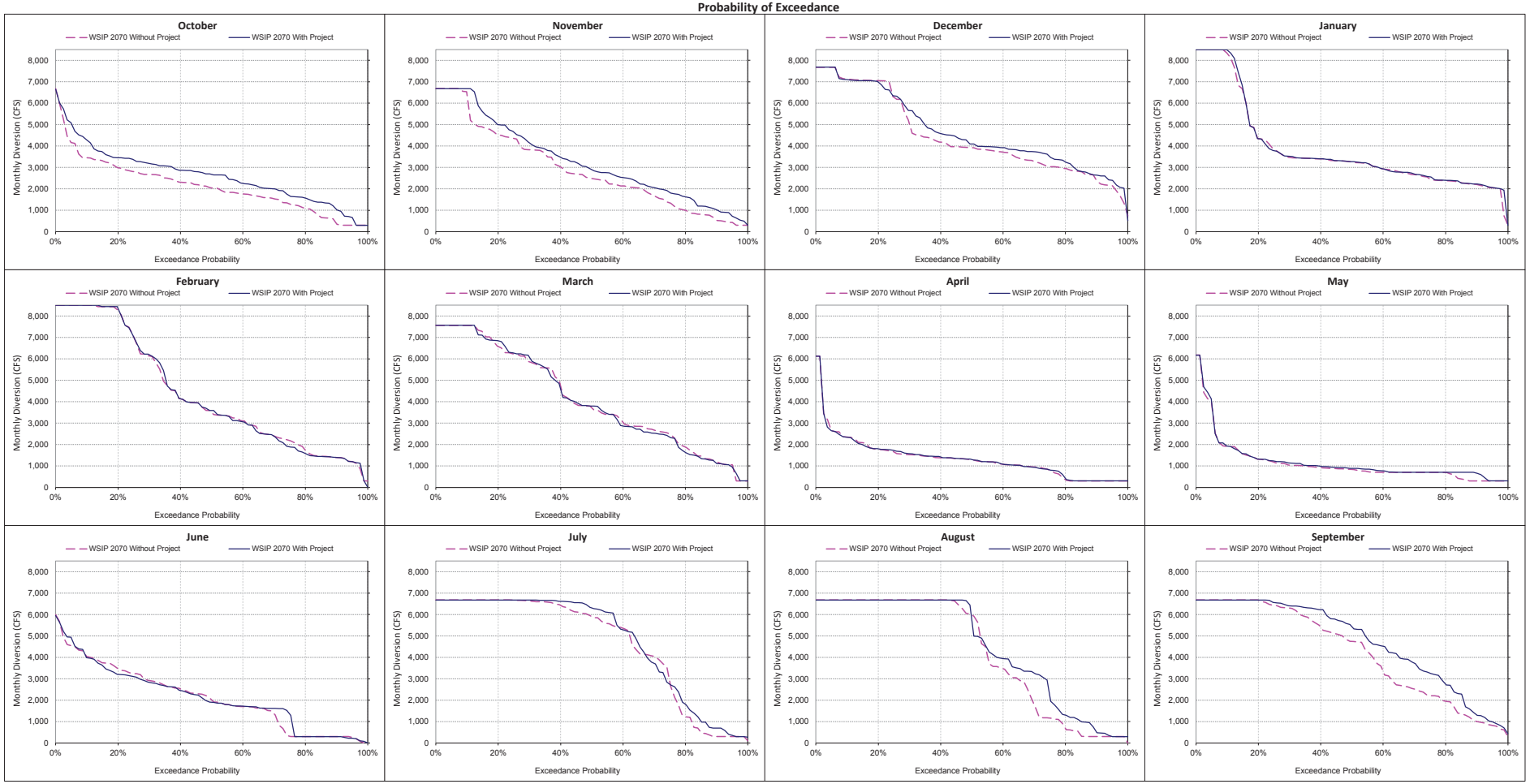


Table SW-39-b

Banks Pumping Plant (SWP), Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,652	-28	-0.4%
1.2%	5,997	6,009	11	0.2%
2.5%	5,271	5,731	460	8.7%
3.7%	4,452	5,227	774	17.4%
4.9%	4,164	5,086	922	22.1%
6.2%	4,122	4,687	565	13.7%
7.4%	3,625	4,515	890	24.6%
8.6%	3,454	4,448	995	28.8%
9.9%	3,452	4,284	832	24.1%
11.1%	3,438	4,158	720	20.9%
12.3%	3,365	3,860	495	14.7%
13.6%	3,361	3,766	405	12.0%
14.8%	3,319	3,736	417	12.6%
16.0%	3,244	3,597	353	10.9%
17.3%	3,207	3,530	323	10.1%
18.5%	3,108	3,459	352	11.3%
19.8%	2,992	3,454	462	15.5%
21.0%	2,958	3,451	493	16.7%
22.2%	2,890	3,430	540	18.7%
23.5%	2,849	3,428	579	20.3%
24.7%	2,807	3,378	571	20.3%
25.9%	2,793	3,284	491	17.6%
27.2%	2,713	3,269	556	20.5%
28.4%	2,676	3,231	555	20.8%
29.6%	2,673	3,192	519	19.4%
30.9%	2,671	3,158	487	18.3%
32.1%	2,661	3,131	470	17.7%
33.3%	2,631	3,073	441	16.8%
34.6%	2,513	3,069	556	22.1%
35.8%	2,499	3,067	567	22.7%
37.0%	2,460	3,035	575	23.4%
38.3%	2,383	2,925	542	22.8%
39.5%	2,313	2,867	553	23.9%
40.7%	2,300	2,864	564	24.5%
42.0%	2,291	2,860	569	24.8%
43.2%	2,288	2,857	569	24.9%
44.4%	2,203	2,805	602	27.3%
45.7%	2,189	2,801	613	28.0%
46.9%	2,141	2,755	614	28.7%
48.1%	2,126	2,701	575	27.0%
49.4%	2,058	2,698	640	31.1%
50.6%	2,024	2,654	630	31.1%
51.9%	2,023	2,653	630	31.1%
53.1%	1,922	2,651	729	37.9%
54.3%	1,838	2,639	801	43.6%
55.6%	1,836	2,441	605	32.9%
56.8%	1,836	2,432	597	32.5%
58.0%	1,801	2,389	587	32.6%
59.3%	1,772	2,276	504	28.4%
60.5%	1,756	2,232	476	27.1%
61.7%	1,744	2,224	480	27.6%
63.0%	1,696	2,194	498	29.4%
64.2%	1,676	2,150	474	28.3%
65.4%	1,636	2,062	427	26.1%
66.7%	1,593	2,033	440	27.6%
67.9%	1,592	2,022	430	27.0%
69.1%	1,570	2,014	444	28.3%
70.4%	1,523	1,996	473	31.0%
71.6%	1,501	1,923	422	28.1%
72.8%	1,358	1,910	552	40.7%
74.1%	1,346	1,755	409	30.4%
75.3%	1,271	1,638	367	28.8%
76.5%	1,244	1,628	384	30.9%
77.8%	1,212	1,617	405	33.4%
79.0%	1,135	1,602	467	41.2%
80.2%	1,067	1,554	487	45.7%
81.5%	1,058	1,491	433	40.9%
82.7%	940	1,411	471	50.1%
84.0%	792	1,379	587	74.2%
85.2%	654	1,377	723	110.6%
86.4%	640	1,342	702	109.8%
87.7%	630	1,326	696	110.4%
88.9%	603	1,210	608	100.8%
90.1%	349	1,015	666	190.7%
91.4%	300	947	647	215.6%
92.6%	300	719	419	139.6%
93.8%	300	716	416	138.6%
95.1%	300	661	361	120.4%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,555	6,680	125	1.9%
9.9%	6,537	6,680	143	2.2%
11.1%	5,193	6,680	1,487	28.6%
12.3%	5,032	6,533	1,501	29.8%
13.6%	4,918	5,882	964	19.6%
14.8%	4,894	5,623	729	14.9%
16.0%	4,811	5,445	633	13.2%
17.3%	4,780	5,331	551	11.5%
18.5%	4,670	5,196	527	11.3%
19.8%	4,511	5,003	492	10.9%
21.0%	4,500	4,980	480	10.7%
22.2%	4,433	4,978	544	12.3%
23.5%	4,409	4,758	348	7.9%
24.7%	4,365	4,693	327	7.5%
25.9%	4,326	4,525	200	4.6%
27.2%	3,955	4,471	517	13.1%
28.4%	3,841	4,346	505	13.2%
29.6%	3,827	4,186	359	9.4%
30.9%	3,824	4,055	231	6.0%
32.1%	3,809	3,962	153	4.0%
33.3%	3,799	3,920	121	3.2%
34.6%	3,709	3,891	183	4.9%
35.8%	3,491	3,789	298	8.5%
37.0%	3,474	3,770	296	8.5%
38.3%	3,138	3,602	463	14.8%
39.5%	3,061	3,511	449	14.7%
40.7%	2,951	3,419	468	15.8%
42.0%	2,761	3,378	617	22.3%
43.2%	2,725	3,275	551	20.2%
44.4%	2,701	3,264	563	20.8%
45.7%	2,683	3,186	503	18.7%
46.9%	2,670	3,062	392	14.7%
48.1%	2,540	3,041	501	19.7%
49.4%	2,495	2,943	448	18.0%
50.6%	2,467	2,847	380	15.4%
51.9%	2,440	2,793	352	14.4%
53.1%	2,406	2,764	358	14.9%
54.3%	2,404	2,758	354	14.7%
55.6%	2,228	2,750	522	23.4%
56.8%	2,221	2,658	437	19.7%
58.0%	2,184	2,584	401	18.3%
59.3%	2,136	2,546	410	19.2%
60.5%	2,133	2,514	381	17.9%
61.7%	2,074	2,493	419	20.2%
63.0%	2,072	2,439	368	17.7%
64.2%	2,046	2,365	318	15.6%
65.4%	2,043	2,225	182	8.9%
66.7%	1,955	2,218	263	13.5%
67.9%	1,823	2,131	308	16.9%
69.1%	1,734	2,085	351	20.2%
70.4%	1,648	2,045	397	24.1%
71.6%	1,557	2,000	444	28.5%
72.8%	1,518	1,973	455	30.0%
74.1%	1,388	1,920	531	38.3%
75.3%	1,330	1,807	477	35.9%
76.5%	1,175	1,762	587	50.0%
77.8%	1,069	1,740	671	62.7%
79.0%	1,027	1,662	634	61.7%
80.2%	993	1,620	627	63.1%
81.5%	866	1,584	718	82.8%
82.7%	852	1,466	614	72.1%
84.0%	815	1,196	381	46.7%
85.2%	810	1,190	380	46.9%
86.4%	784	1,187	402	51.3%
87.7%	772	1,130	358	46.3%
88.9%	670	1,087	417	62.3%
90.1%	522	1,013	491	94.2%
91.4%	509	911	402	79.0%
92.6%	478	900	422	88.4%
93.8%	435	891	456	104.9%
95.1%	429	727	298	69.4%
96.3%	300	641	341	113.8%
97.5%	300	539	239	79.7%
98.8%	300	487	187	62.3%
100.0%	300	300	0	0.0%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,678	7,678	0	0.0%
1.2%	7,678	7,678	0	0.0%
2.5%	7,678	7,678	0	0.0%
3.7%	7,678	7,678	0	0.0%
4.9%	7,678	7,678	0	0.0%
6.2%	7,678	7,678	0	0.0%
7.4%	7,224	7,148	-76	-1.0%
8.6%	7,148	7,112	-35	-0.5%
9.9%	7,117	7,096	-21	-0.3%
11.1%	7,112	7,072	-40	-0.6%
12.3%	7,089	7,063	-25	-0.4%
13.6%	7,086	7,059	-27	-0.4%
14.8%	7,072	7,057	-15	-0.2%
16.0%	7,065	7,054	-10	-0.1%
17.3%	7,063	7,048	-15	-0.2%
18.5%	7,058	7,042	-16	-0.2%
19.8%	7,054	7,016	-39	-0.5%
21.0%	7,048	6,853	-195	-2.8%
22.2%	7,042	6,643	-399	-5.7%
23.5%	7,016	6,611	-404	-5.8%
24.7%	6,311	6,352	41	0.7%
25.9%	6,180	6,330	150	2.4%
27.2%	6,175	6,180	5	0.1%
28.4%	5,585	5,905	321	5.7%
29.6%	5,212	5,654	441	8.5%
30.9%	4,597	5,647	1,049	22.8%
32.1%	4,523	5,407	884	19.5%
33.3%	4,500	5,320	820	18.2%
34.6%	4,423	5,061	638	14.4%
35.8%	4,404	4,850	446	10.1%
37.0%	4,355	4,792	437	10.0%
38.3%	4,254	4,663	409	9.6%
39.5%	4,186	4,597	411	9.8%
40.7%	4,175	4,549	374	9.0%
42.0%	4,099	4,523	423	10.3%
43.2%	3,971	4,502	531	13.4%
44.4%	3,970	4,464	494	12.4%
45.7%	3,968	4,355	387	9.8%
46.9%	3,946	4,301	356	9.0%
48.1%	3,936	4,282	346	8.8%
49.4%	3,923	4,099	176	4.5%
50.6%	3,919	4,095	176	4.5%
51.9%	3,853	3,985	133	3.4%
53.1%	3,844	3,983	139	3.6%
54.3%	3,831	3,971	140	3.7%
55.6%	3,803	3,968	165	4.3%
56.8%	3,780	3,962	182	4.8%
58.0%	3,739	3,946	207	5.5%
59.3%	3,729	3,923	195	5.2%
60.5%	3,704	3,919	215	5.8%
61.7%	3,688	3,853	165	4.5%
63.0%	3,577	3,844	267	7.5%
64.2%	3,477	3,822	345	9.9%
65.4%	3,415	3,780	365	10.7%
66.7%	3,364	3,779	415	12.3%
67.9%	3,337	3,744	407	12.2%
69.1%	3,328	3,736	408	12.3%
70.4%	3,259	3,729	470	14.4%
71.6%	3,207	3,711	504	15.7%
72.8%	3,135	3,655	519	16.6%
74.1%	3,057	3,623	566	18.5%
75.3%	3,036	3,459	424	14.0%
76.5%	3,033	3,379	347	11.4%
77.8%	3,010	3,364	354	11.8%
79.0%	2,958	3,344	386	13.1%
80.2%	2,946	3,234	288	9.8%
81.5%	2,877	3,176	298	10.4%
82.7%	2,826	3,002	176	6.2%
84.0%	2,821	2,859	38	1.4%
85.2%	2,798	2,808	10	0.4%
86.4%	2,676	2,786	110	4.1%
87.7%	2,670	2,707	37	1.4%
88.9%	2,658	2,654	-4	-0.1%
90.1%	2,351	2,638	288	12.2%
91.4%	2,222	2,604	382	17.2%
92.6%	2,185	2,603	417	19.1%
93.8%	2,169	2,416	246	11.3%
95.1%	2,144	2,399	255	11.9%
96.3%	1,920	2,183	263	13.7%
97.5%	1,668	2,072	404	24.2%
98.8%	1,328	2,033	706	53.2%
100.0%	736	518	-219	-29.7%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	8,500	8,500	0	0.0%
4.9%	8,500	8,500	0	0.0%
6.2%	8,500	8,500	0	0.0%
7.4%	8,500	8,500	0	0.0%
8.6%	8,500	8,500	0	0.0%
9.9%	8,350	8,500	150	1.8%
11.1%	8,119	8,343	224	2.8%
12.3%	7,657	8,100	443	5.8%
13.6%	6,827	7,446	619	9.1%
14.8%	6,678	6,842	164	2.5%
16.0%	6,000	5,976	-24	-0.4%
17.3%	4,942	4,942	0	0.0%
18.5%	4,871	4,847	-24	-0.5%
19.8%	4,353	4,353	0	0.0%
21.0%	4,325	4,325	0	0.0%
22.2%	4,278	4,089	-189	-4.4%
23.5%	4,089	3,870	-219	-5.3%
24.7%	3,870	3,788	-83	-2.1%
25.9%	3,763	3,749	-14	-0.4%
27.2%	3,640	3,639	-1	0.0%
28.4%	3,512	3,534	23	0.7%
29.6%	3,476	3,524	48	1.4%
30.9%	3,451	3,512	61	1.8%
32.1%	3,442	3,451	9	0.3%
33.3%	3,440	3,442	1	0.0%
34.6%	3,438	3,429	-9	-0.2%
35.8%	3,424	3,427	4	0.1%
37.0%	3,414	3,424	10	0.3%
38.3%	3,403	3,414	11	0.3%
39.5%	3,403	3,406	3	0.1%
40.7%	3,403	3,404	1	0.0%
42.0%	3,373	3,375	2	0.1%
43.2%	3,323	3,373	50	1.5%
44.4%	3,319	3,323	4	0.1%
45.7%	3,301	3,319	18	0.6%
46.9%	3,300	3,307	6	0.2%
48.1%	3,286	3,291	5	0.1%
49.4%	3,270	3,272	2	0.1%
50.6%	3,227	3,270	43	1.3%
51.9%	3,221	3,245	23	0.7%
53.1%	3,214	3,221	7	0.2%
54.3%	3,195	3,214	19	0.6%
55.6%	3,156	3,156	0	0.0%
56.8%	3,046	3,046	0	0.0%
58.0%	3,021	3,023	2	0.1%
59.3%	2,948	2,958	10	0.3%
60.5%	2,913	2,913	0	0.0%
61.7%	2,899	2,845	-54	-1.8%
63.0%	2,884	2,810	-74	-2.6%
64.2%	2,830	2,788	-41	-1.5%
65.4%	2,786	2,786	0	0.0%
66.7%	2,734	2,772	38	1.4%
67.9%	2,720	2,767	47	1.7%
69.1%	2,669	2,734	65	2.4%
70.4%	2,661	2,669	8	0.3%
71.6%	2,627	2,661	34	1.3%
72.8%	2,576	2,627	51	2.0%
74.1%	2,554	2,576	22	0.9%
75.3%	2,420	2,554	133	5.5%
76.5%	2,405	2,420	15	0.6%
77.8%	2,392	2,405	13	0.5%
79.0%	2,390	2,404	14	0.6%
80.2%	2,380	2,400	20	0.8%
81.5%	2,371	2,392	21	0.9%
82.7%	2,357	2,380	23	1.0%
84.0%	2,330	2,371	40	1.7%
85.2%	2,285	2,265	-20	-0.9%
86.4%	2,255	2,257	2	0.1%
87.7%	2,229	2,255	25	1.1%
88.9%	2,225	2,228	2	0.1%
90.1%	2,198	2,225	27	1.2%
91.4%	2,153	2,197	44	2.0%
92.6%	2,120	2,153	33	1.6%
93.8%	2,059	2,093	34	1.6%
95.1%	2,048	2,057	9	0.4%
96.3%	2,040	2,030	-10	-0.5%
97.5%	2,029	2,003	-26	-1.3%
98.8%	733	1,932	1,199	163.6%
100.0%	300	300	0	0.0%

Table SW-39-b

Banks Pumping Plant (SWP), Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,500	8,500	0	0.0%
1.2%	8,500	8,500	0	0.0%
2.5%	8,500	8,500	0	0.0%
3.7%	8,500	8,500	0	0.0%
4.9%	8,500	8,500	0	0.0%
6.2%	8,500	8,500	0	0.0%
7.4%	8,500	8,500	0	0.0%
8.6%	8,500	8,500	0	0.0%
9.9%	8,500	8,500	0	0.0%
11.1%	8,500	8,500	0	0.0%
12.3%	8,500	8,500	0	0.0%
13.6%	8,437	8,500	63	0.7%
14.8%	8,437	8,437	0	0.0%
16.0%	8,437	8,437	0	0.0%
17.3%	8,437	8,437	0	0.0%
18.5%	8,437	8,437	0	0.0%
19.8%	8,293	8,437	144	1.7%
21.0%	8,050	8,028	-21	-0.3%
22.2%	7,565	7,563	-2	0.0%
23.5%	7,480	7,451	-28	-0.4%
24.7%	7,133	7,108	-25	-0.4%
25.9%	6,703	6,751	48	0.7%
27.2%	6,231	6,393	162	2.6%
28.4%	6,221	6,226	5	0.1%
29.6%	6,147	6,221	74	1.2%
30.9%	6,110	6,121	11	0.2%
32.1%	5,818	6,005	186	3.2%
33.3%	5,527	5,818	291	5.3%
34.6%	4,960	5,462	502	10.1%
35.8%	4,738	4,729	-8	-0.2%
37.0%	4,536	4,565	29	0.6%
38.3%	4,515	4,536	21	0.5%
39.5%	4,151	4,151	0	0.0%
40.7%	4,104	4,111	7	0.2%
42.0%	3,986	3,987	0	0.0%
43.2%	3,965	3,966	1	0.0%
44.4%	3,950	3,950	0	0.0%
45.7%	3,944	3,944	0	0.0%
46.9%	3,747	3,747	0	0.0%
48.1%	3,594	3,702	108	3.0%
49.4%	3,585	3,594	9	0.3%
50.6%	3,400	3,587	187	5.5%
51.9%	3,376	3,400	24	0.7%
53.1%	3,364	3,376	12	0.3%
54.3%	3,354	3,364	10	0.3%
55.6%	3,328	3,313	-15	-0.5%
56.8%	3,242	3,118	-124	-3.8%
58.0%	3,240	3,117	-123	-3.8%
59.3%	3,118	3,075	-43	-1.4%
60.5%	3,096	3,047	-49	-1.6%
61.7%	2,909	2,909	0	0.0%
63.0%	2,908	2,908	0	0.0%
64.2%	2,846	2,648	-199	-7.0%
65.4%	2,568	2,507	-61	-2.4%
66.7%	2,499	2,499	0	0.0%
67.9%	2,479	2,479	0	0.0%
69.1%	2,456	2,460	3	0.1%
70.4%	2,375	2,349	-26	-1.1%
71.6%	2,310	2,171	-139	-6.0%
72.8%	2,273	2,082	-192	-8.4%
74.1%	2,226	1,913	-313	-14.0%
75.3%	2,171	1,876	-295	-13.6%
76.5%	2,082	1,862	-220	-10.5%
77.8%	1,983	1,696	-287	-14.5%
79.0%	1,913	1,649	-264	-13.8%
80.2%	1,696	1,562	-134	-7.9%
81.5%	1,561	1,480	-81	-5.2%
82.7%	1,485	1,471	-14	-0.9%
84.0%	1,471	1,449	-22	-1.5%
85.2%	1,449	1,449	0	0.0%
86.4%	1,449	1,430	-19	-1.3%
87.7%	1,430	1,427	-3	-0.2%
88.9%	1,408	1,408	0	0.0%
90.1%	1,390	1,390	0	0.0%
91.4%	1,386	1,384	-2	-0.2%
92.6%	1,349	1,349	0	0.0%
93.8%	1,219	1,219	0	0.0%
95.1%	1,202	1,202	0	0.0%
96.3%	1,124	1,156	32	2.9%
97.5%	879	1,124	245	27.9%
98.8%	300	300	0	0.0%
100.0%	300	7	-293	-97.5%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,561	7,561	0	0.0%
1.2%	7,561	7,561	0	0.0%
2.5%	7,561	7,561	0	0.0%
3.7%	7,561	7,561	0	0.0%
4.9%	7,561	7,561	0	0.0%
6.2%	7,561	7,561	0	0.0%
7.4%	7,561	7,561	0	0.0%
8.6%	7,561	7,561	0	0.0%
9.9%	7,561	7,561	0	0.0%
11.1%	7,561	7,561	0	0.0%
12.3%	7,561	7,561	0	0.0%
13.6%	7,337	7,114	-223	-3.0%
14.8%	7,284	7,111	-173	-2.4%
16.0%	7,028	6,929	-100	-1.4%
17.3%	7,020	6,878	-142	-2.0%
18.5%	6,801	6,863	62	0.9%
19.8%	6,589	6,854	264	4.0%
21.0%	6,511	6,801	290	4.5%
22.2%	6,291	6,589	298	4.7%
23.5%	6,286	6,311	26	0.4%
24.7%	6,236	6,280	44	0.7%
25.9%	6,231	6,237	6	0.1%
27.2%	6,134	6,231	97	1.6%
28.4%	6,127	6,182	55	0.9%
29.6%	5,880	6,171	291	4.9%
30.9%	5,816	5,880	63	1.1%
32.1%	5,752	5,802	50	0.9%
33.3%	5,587	5,728	141	2.5%
34.6%	5,585	5,632	47	0.8%
35.8%	5,573	5,516	-58	-1.0%
37.0%	5,558	5,151	-407	-7.3%
38.3%	5,151	4,997	-154	-3.0%
39.5%	5,006	4,856	-150	-3.0%
40.7%	4,293	4,200	-94	-2.2%
42.0%	4,200	4,170	-30	-0.7%
43.2%	4,065	4,065	0	0.0%
44.4%	3,918	4,019	102	2.6%
45.7%	3,824	3,918	93	2.4%
46.9%	3,820	3,824	5	0.1%
48.1%	3,796	3,818	21	0.6%
49.4%	3,796	3,796	1	0.0%
50.6%	3,622	3,796	174	4.8%
51.9%	3,610	3,781	171	4.7%
53.1%	3,475	3,606	130	3.8%
54.3%	3,411	3,479	68	2.0%
55.6%	3,408	3,411	2	0.1%
56.8%	3,404	3,404	0	0.0%
58.0%	3,346	3,178	-168	-5.0%
59.3%	3,167	2,887	-280	-8.8%
60.5%	2,949	2,848	-102	-3.5%
61.7%	2,887	2,835	-53	-1.8%
63.0%	2,870	2,828	-43	-1.5%
64.2%	2,848	2,715	-132	-4.6%
65.4%	2,847	2,715	-133	-4.7%
66.7%	2,835	2,585	-250	-8.8%
67.9%	2,734	2,580	-153	-5.6%
69.1%	2,715	2,540	-174	-6.4%
70.4%	2,656	2,527	-129	-4.8%
71.6%	2,609	2,491	-118	-4.5%
72.8%	2,580	2,472	-108	-4.2%
74.1%	2,551	2,424	-126	-5.0%
75.3%	2,472	2,323	-150	-6.0%
76.5%	2,292	2,292	0	0.0%
77.8%	2,035	1,866	-169	-8.3%
79.0%	1,947	1,717	-230	-11.8%
80.2%	1,866	1,612	-254	-13.6%
81.5%	1,735	1,528	-207	-11.9%
82.7%	1,612	1,508	-104	-6.5%
84.0%	1,462	1,460	-2	-0.1%
85.2%	1,460	1,333	-127	-8.7%
86.4%	1,333	1,328	-5	-0.4%
87.7%	1,328	1,279	-49	-3.7%
88.9%	1,262	1,262	0	0.0%
90.1%	1,190	1,109	-81	-6.8%
91.4%	1,107	1,107	0	0.0%
92.6%	1,072	1,072	0	0.0%
93.8%	1,064	1,052	-12	-1.1%
95.1%	1,052	943	-109	-10.4%
96.3%	300	654	354	117.9%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,125	6,125	0	0.0%
1.2%	6,125	6,125	0	0.0%
2.5%	3,448	3,443	-6	-0.2%
3.7%	3,166	2,816	-350	-11.1%
4.9%	2,650	2,641	-9	-0.3%
6.2%	2,598	2,613	15	0.6%
7.4%	2,594	2,471	-123	-4.8%
8.6%	2,362	2,362	0	0.0%
9.9%	2,352	2,345	-8	-0.3%
11.1%	2,333	2,325	-9	-0.4%
12.3%	2,285	2,182	-103	-4.5%
13.6%	2,104	2,054	-50	-2.4%
14.8%	2,087	1,996	-91	-4.3%
16.0%	2,062	1,903	-160	-7.7%
17.3%	1,843	1,843	0	0.0%
18.5%	1,803	1,812	9	0.5%
19.8%	1,767	1,803	36	2.0%
21.0%	1,767	1,767	0	0.0%
22.2%	1,738	1,767	28	1.6%
23.5%	1,704	1,759	55	3.2%
24.7%	1,682	1,733	51	3.0%
25.9%	1,575	1,683	107	6.8%
27.2%	1,560	1,674	115	7.4%
28.4%	1,543	1,597	54	3.5%
29.6%	1,528	1,575	47	3.1%
30.9%	1,523	1,560	37	2.4%
32.1%	1,516	1,528	12	0.8%
33.3%	1,491	1,523	32	2.1%
34.6%	1,460	1,478	18	1.2%
35.8%	1,456	1,460	4	0.3%
37.0%	1,440	1,456	16	1.1%
38.3%	1,394	1,440	46	3.3%
39.5%	1,383	1,440	56	4.1%
40.7%	1,382	1,383	1	0.1%
42.0%	1,379	1,382	3	0.2%
43.2%	1,370	1,379	9	0.7%
44.4%	1,348	1,362	14	1.0%
45.7%	1,339	1,348	9	0.7%
46.9%	1,337	1,337	0	0.0%
48.1%	1,323	1,323	0	0.0%
49.4%	1,297	1,318	21	1.6%
50.6%	1,272	1,269	-3	-0.3%
51.9%	1,226	1,264	38	3.1%
53.1%	1,207	1,207	0	0.0%
54.3%	1,206	1,203	-3	-0.3%
55.6%	1,193	1,193	0	0.0%
56.8%	1,183	1,187	4	0.4%
58.0%	1,106	1,182	76	6.9%
59.3%	1,093	1,106	14	1.3%
60.5%	1,064	1,064	0	0.0%
61.7%	1,058	1,058	0	0.0%
63.0%	1,042	1,041	0	0.0%
64.2%	1,041	1,034	-7	-0.7%
65.4%	1,030	1,030	0	0.0%
66.7%	978	976	-2	-0.2%
67.9%	976	966	-10	-1.0%
69.1%	958	950	-8	-0.8%
70.4%	950	936	-15	-1.5%
71.6%	947	892	-55	-5.8%
72.8%	892	857	-35	-3.9%
74.1%	855	855	0	0.0%
75.3%	784	798	14	1.8%
76.5%	673	784	111	16.4%
77.8%	626	750	124	19.9%
79.0%	466	610	145	31.1%
80.2%	333	362	29	8.7%
81.5%	300	328	28	9.3%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,177	6,177	0	0.0%
1.2%	6,177	6,177	0	0.0%
2.5%	4,434	4,698	263	5.9%
3.7%	4,142	4,441	299	7.2%
4.9%	3,976	4,135	160	4.0%
6.2%	2,521	2,513	-8	-0.3%
7.4%	2,092	2,080	-12	-0.6%
8.6%	1,935	2,076	141	7.3%
9.9%	1,913	1,924	11	0.6%
11.1%	1,899	1,902	3	0.2%
12.3%	1,898	1,807	-91	-4.8%
13.6%	1,728	1,729	0	0.0%
14.8%	1,574	1,574	0	0.0%
16.0%	1,510	1,566	56	3.7%
17.3%	1,459	1,459	0	0.0%
18.5%	1,401	1,391	-10	-0.7%
19.8%	1,314	1,321	7	0.5%
21.0%	1,309	1,315	6	0.5%
22.2%	1,264	1,312	48	3.8%
23.5%	1,247	1,252	5	0.4%
24.7%	1,195	1,236	41	3.4%
25.9%	1,126	1,202	76	6.7%
27.2%	1,117	1,197	80	7.1%
28.4%	1,111	1,184	73	6.6%
29.6%	1,042	1,141	99	9.5%
30.9%	1,025	1,126	101	9.8%
32.1%	1,024	1,117	93	9.1%
33.3%	1,021	1,111	90	8.8%
34.6%	1,002	1,035	33	3.3%
35.8%	976	1,025	49	5.1%
37.0%	968	1,024	56	5.8%
38.3%	947	1,021	74	7.8%
39.5%	925	999	74	8.0%
40.7%	909	976	67	7.4%
42.0%	900	968	68	7.6%
43.2%	882	948	66	7.4%
44.4%	881	937	56	6.4%
45.7%	869	925	56	6.5%
46.9%	866	921	55	6.3%
48.1%	848	909	61	7.2%
49.4%	845	889	45	5.3%
50.6%	830	882	52	6.2%
51.9%	791	881	90	11.4%
53.1%	768	866	99	12.8%
54.3%	762	848	85	11.2%
55.6%	720	845	125	17.3%
56.8%	711	830	119	16.8%
58.0%	704	790	86	12.2%
59.3%	700	776	76	10.8%
60.5%	700	762	62	8.9%
61.7%	700	721	21	2.9%
63.0%	700	711	11	1.6%
64.2%	700	704	4	0.6%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	633	700	67	10.6%
82.7%	589	700	111	18.8%
84.0%	422	700	278	65.9%
85.2%	388	700	312	80.5%
86.4%	355	700	345	97.0%
87.7%	300	700	400	133.3%
88.9%	300	700	400	133.3%
90.1%	300	655	355	118.2%
91.4%	300	591	291	96.9%
92.6%	300	452	152	50.8%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

Table SW-39-b

Banks Pumping Plant (SWP), Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,990	5,945	-45	-0.7%
1.2%	5,676	5,633	-43	-0.8%
2.5%	4,952	5,206	254	5.1%
3.7%	4,597	4,952	355	7.7%
4.9%	4,544	4,944	400	8.8%
6.2%	4,489	4,516	27	0.6%
7.4%	4,339	4,390	52	1.2%
8.6%	4,306	4,375	68	1.6%
9.9%	4,050	3,987	-63	-1.6%
11.1%	3,996	3,963	-32	-0.8%
12.3%	3,953	3,913	-40	-1.0%
13.6%	3,862	3,729	-133	-3.4%
14.8%	3,748	3,647	-101	-2.7%
16.0%	3,732	3,467	-265	-7.1%
17.3%	3,731	3,394	-337	-9.0%
18.5%	3,621	3,314	-307	-8.5%
19.8%	3,491	3,209	-281	-8.1%
21.0%	3,394	3,190	-203	-6.0%
22.2%	3,370	3,185	-186	-5.5%
23.5%	3,295	3,143	-152	-4.6%
24.7%	3,240	3,113	-127	-3.9%
25.9%	3,238	3,076	-162	-5.0%
27.2%	3,190	2,973	-218	-6.8%
28.4%	2,988	2,910	-78	-2.6%
29.6%	2,925	2,840	-84	-2.9%
30.9%	2,895	2,806	-89	-3.1%
32.1%	2,859	2,783	-76	-2.7%
33.3%	2,806	2,722	-83	-3.0%
34.6%	2,722	2,685	-37	-1.4%
35.8%	2,639	2,639	0	0.0%
37.0%	2,613	2,620	7	0.3%
38.3%	2,566	2,613	47	1.8%
39.5%	2,561	2,471	-91	-3.5%
40.7%	2,471	2,425	-45	-1.8%
42.0%	2,426	2,372	-54	-2.2%
43.2%	2,332	2,293	-38	-1.7%
44.4%	2,319	2,265	-54	-2.3%
45.7%	2,299	2,234	-66	-2.9%
46.9%	2,278	2,101	-177	-7.8%
48.1%	2,214	1,979	-235	-10.6%
49.4%	2,100	1,906	-194	-9.2%
50.6%	1,915	1,894	-21	-1.1%
51.9%	1,906	1,866	-41	-2.1%
53.1%	1,858	1,858	0	0.0%
54.3%	1,799	1,799	0	0.0%
55.6%	1,792	1,792	0	0.0%
56.8%	1,741	1,741	0	0.0%
58.0%	1,721	1,728	8	0.4%
59.3%	1,701	1,723	22	1.3%
60.5%	1,697	1,721	24	1.4%
61.7%	1,692	1,701	9	0.5%
63.0%	1,692	1,697	5	0.3%
64.2%	1,632	1,692	60	3.7%
65.4%	1,618	1,635	16	1.0%
66.7%	1,617	1,632	14	0.9%
67.9%	1,520	1,624	104	6.8%
69.1%	1,501	1,617	117	7.8%
70.4%	1,307	1,613	306	23.4%
71.6%	826	1,610	784	95.0%
72.8%	676	1,610	934	138.2%
74.1%	351	1,519	1,169	333.3%
75.3%	300	1,296	996	332.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	261	-39	-13.0%
93.8%	300	229	-71	-23.7%
95.1%	261	226	-35	-13.3%
96.3%	200	200	0	0.0%
97.5%	79	100	21	
98.8%	0	79	79	
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,680	0	0.0%
16.0%	6,680	6,680	0	0.0%
17.3%	6,680	6,680	0	0.0%
18.5%	6,680	6,680	0	0.0%
19.8%	6,680	6,680	0	0.0%
21.0%	6,680	6,680	0	0.0%
22.2%	6,680	6,680	0	0.0%
23.5%	6,680	6,680	0	0.0%
24.7%	6,673	6,680	7	0.1%
25.9%	6,664	6,680	16	0.2%
27.2%	6,661	6,680	19	0.3%
28.4%	6,655	6,680	25	0.4%
29.6%	6,644	6,680	36	0.5%
30.9%	6,619	6,680	61	0.9%
32.1%	6,600	6,672	73	1.1%
33.3%	6,597	6,664	66	1.0%
34.6%	6,596	6,663	67	1.0%
35.8%	6,578	6,662	84	1.3%
37.0%	6,557	6,658	102	1.5%
38.3%	6,486	6,651	166	2.6%
39.5%	6,463	6,609	146	2.3%
40.7%	6,365	6,609	244	3.8%
42.0%	6,327	6,599	272	4.3%
43.2%	6,199	6,590	391	6.3%
44.4%	6,128	6,558	430	7.0%
45.7%	6,111	6,551	440	7.2%
46.9%	6,059	6,547	488	8.1%
48.1%	6,033	6,464	431	7.1%
49.4%	5,950	6,331	381	6.4%
50.6%	5,851	6,274	423	7.2%
51.9%	5,850	6,256	405	6.9%
53.1%	5,684	6,200	516	9.1%
54.3%	5,587	6,116	528	9.5%
55.6%	5,569	6,093	523	9.4%
56.8%	5,480	6,074	594	10.8%
58.0%	5,422	5,504	82	1.5%
59.3%	5,397	5,319	-78	-1.4%
60.5%	5,332	5,271	-61	-1.1%
61.7%	5,245	5,198	-47	-0.9%
63.0%	4,579	5,170	590	12.9%
64.2%	4,360	4,859	499	11.4%
65.4%	4,165	4,476	311	7.5%
66.7%	4,152	4,249	98	2.4%
67.9%	4,120	3,963	-157	-3.8%
69.1%	4,070	3,778	-292	-7.2%
70.4%	4,035	3,690	-345	-8.6%
71.6%	3,885	3,310	-574	-14.8%
72.8%	3,696	3,286	-411	-11.1%
74.1%	3,552	2,840	-711	-20.0%
75.3%	2,639	2,705	66	2.5%
76.5%	2,140	2,627	487	22.7%
77.8%	1,771	2,385	615	34.7%
79.0%	1,294	1,906	613	47.4%
80.2%	1,217	1,792	575	47.3%
81.5%	1,200	1,536	336	28.0%
82.7%	731	1,402	671	91.8%
84.0%	700	1,224	524	74.8%
85.2%	457	978	521	113.8%
86.4%	446	973	527	118.1%
87.7%	377	731	354	93.9%
88.9%	300	700	400	133.3%
90.1%	300	700	400	133.3%
91.4%	300	700	400	133.3%
92.6%	300	591	291	97.1%
93.8%	300	410	110	36.7%
95.1%	300	356	56	18.7%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	104	272	167	

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,680	0	0.0%
16.0%	6,680	6,680	0	0.0%
17.3%	6,680	6,680	0	0.0%
18.5%	6,680	6,680	0	0.0%
19.8%	6,680	6,680	0	0.0%
21.0%	6,680	6,680	0	0.0%
22.2%	6,680	6,680	0	0.0%
23.5%	6,680	6,680	0	0.0%
24.7%	6,680	6,680	0	0.0%
25.9%	6,680	6,680	0	0.0%
27.2%	6,680	6,680	0	0.0%
28.4%	6,680	6,680	0	0.0%
29.6%	6,680	6,680	0	0.0%
30.9%	6,680	6,680	0	0.0%
32.1%	6,680	6,680	0	0.0%
33.3%	6,680	6,680	0	0.0%
34.6%	6,680	6,680	0	0.0%
35.8%	6,680	6,680	0	0.0%
37.0%	6,680	6,680	0	0.0%
38.3%	6,680	6,680	0	0.0%
39.5%	6,680	6,680	0	0.0%
40.7%	6,680	6,680	0	0.0%
42.0%	6,680	6,680	0	0.0%
43.2%	6,663	6,680	17	0.2%
44.4%	6,635	6,680	45	0.7%
45.7%	6,449	6,680	231	3.6%
46.9%	6,281	6,680	399	6.3%
48.1%	6,054	6,656	602	9.9%
49.4%	6,033	6,443	411	6.8%
50.6%	5,923	4,986	-937	-15.8%
51.9%	5,641	4,978	-663	-11.8%
53.1%	4,639	4,897	258	5.6%
54.3%	4,505	4,578	73	1.6%
55.6%	3,698	4,254	556	15.0%
56.8%	3,574	4,132	559	15.6%
58.0%	3,569	3,998	429	12.0%
59.3%	3,500	3,958	458	13.1%
60.5%	3,445	3,933	489	14.2%
61.7%	3,218	3,927	709	22.0%
63.0%	3,050	3,554	504	16.5%
64.2%	3,049	3,504	455	14.9%
65.4%	2,914	3,474	560	19.2%
66.7%	2,868	3,355	487	17.0%
67.9%	2,494	3,347	853	34.2%
69.1%	2,066	3,335	1,269	61.4%
70.4%	1,663	3,236	1,572	94.5%
71.6%	1,200	3,183	1,983	165.2%
72.8%	1,177	3,067	1,890	160.5%
74.1%	1,176	2,937	1,761	149.8%
75.3%	1,159	1,950	791	68.2%
76.5%	1,112	1,781	669	60.1%
77.8%	1,098	1,570	472	43.0%
79.0%	915	1,335	420	45.8%
80.2%	622	1,287	665	106.9%
81.5%	609	1,199	590	96.8%
82.7%	565	1,192	627	111.1%
84.0%	554	1,106	552	99.6%
85.2%	312	985	673	215.7%
86.4%	300	975	675	224.9%
87.7%	300	953	653	217.5%
88.9%	300	741	441	146.9%
90.1%	300	473	173	57.8%
91.4%	300	462	162	53.8%
92.6%	300	451	151	50.3%
93.8%	300	362	62	20.7%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	0	300	300	

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,680	6,680	0	0.0%
1.2%	6,680	6,680	0	0.0%
2.5%	6,680	6,680	0	0.0%
3.7%	6,680	6,680	0	0.0%
4.9%	6,680	6,680	0	0.0%
6.2%	6,680	6,680	0	0.0%
7.4%	6,680	6,680	0	0.0%
8.6%	6,680	6,680	0	0.0%
9.9%	6,680	6,680	0	0.0%
11.1%	6,680	6,680	0	0.0%
12.3%	6,680	6,680	0	0.0%
13.6%	6,680	6,680	0	0.0%
14.8%	6,680	6,680	0	0.0%
16.0%	6,680	6,680	0	0.0%
17.3%	6,680	6,680	0	0.0%
18.5%	6,680	6,680	0	0.0%
19.8%	6,680	6,680	0	0.0%
21.0%	6,605	6,680	75	1.1%
22.2%	6,569	6,680	111	1.7%
23.5%	6,477	6,666	189	2.9%
24.7%	6,425	6,567	142	2.2%
25.9%	6,414	6,546	133	2.1%
27.2%	6,333	6,526	192	3.0%
28.4%	6,321	6,471	150	2.4%
29.6%	6,313	6,407	94	1.5%
30.9%	6,282	6,400	118	1.9%
32.1%	6,180	6,397	217	3.5%
33.3%	5,993	6,375	381	6.4%
34.6%	5,925	6,335	411	6.9%
35.8%	5,874	6,308	434	7.4%
37.0%	5,722	6,304	582	10.2%
38.3%	5,608	6,258	650	11.6%
39.5%	5,500	6,224	724	13.2%
40.7%	5,266	6,223	957	18.2%
42.0%	5,219	5,951	732	14.0%
43.2%	5,167	5,800	632	12.2%
44.4%	5,113	5,794	681	13.3%
45.7%	5,069	5,716	647	12.8%
46.9%	5,001	5,680	679	13.6%
48.1%	4,838	5,579	741	15.3%
49.4%	4,747	5,531	783	16.5%
50.6%	4,741	5,325	583	12.3%
51.9%	4,715	5,303	588	12.5%
53.1%	4,704	5,303	599	12.7%
54.3%	4,350	4,990	640	14.7%
55.6%	4,195	4,761	566	13.5%
56.8%	3,993	4,614	621	15.6%
58.0%	3,716	4,588	872	23.5%
59.3%	3,597	4,541	943	26.2%
60.5%	3,176	4,504	1,329	41.8%
61.7%	3,130	4,237	1,107	35.4%
63.0%	2,895	4,217	1,322	45.7%
64.2%	2,716	4,176	1,459	53.7%
65.4%	2,687	3,958	1,271	47.3%
66.7%	2,653	3,923	1,270	47.9%
67.9%	2,621	3,911	1,289	49.2%
69.1%	2,551	3,784	1,233	48.3%
70.4%	2,505	3,710	1,204	48.1%
71.6%	2,425	3,459	1,034	42.7%
72.8%	2,375	3,363	988	41.6%
74.1%	2,239	3,317	1,078	48.1%
75.3%	2,207	3,244	1,037	47.0%
76.5%	2,206	3,191	985	44.6%
77.8%	2,178	3,164	987	45.3%
79.0%	1,985	2,913	928	46.8%
80.2%	1,941	2,715	774	39.9%
81.5%	1,924	2,698	774	40.2%
82.7%	1,685	2,382	697	41.4%
84.0%	1,392	2,305	913	65.6%
85.2%	1,368	2,281	913	66.7%
86.4%	1,299	1,686	387	29.8%
87.7%	1,207	1,594	387	32.1%
88.9%	1,060	1,438	377	35.6%
90.1%	996	1,296	300	30.1%
91.4%	963	1,274	311	32.3%
92.6%	931	1,189	258	27.7%
93.8%	853	1,034	181	21.2%
95.1%	822	983	161	19.5%
96.3%	787	901	115	14.6%
97.5%	654	822	168	25.7%
98.8%	612	704	92	15.0%
100.0%	300	437	137	45.5%

Figure SW-40-b
Banks Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

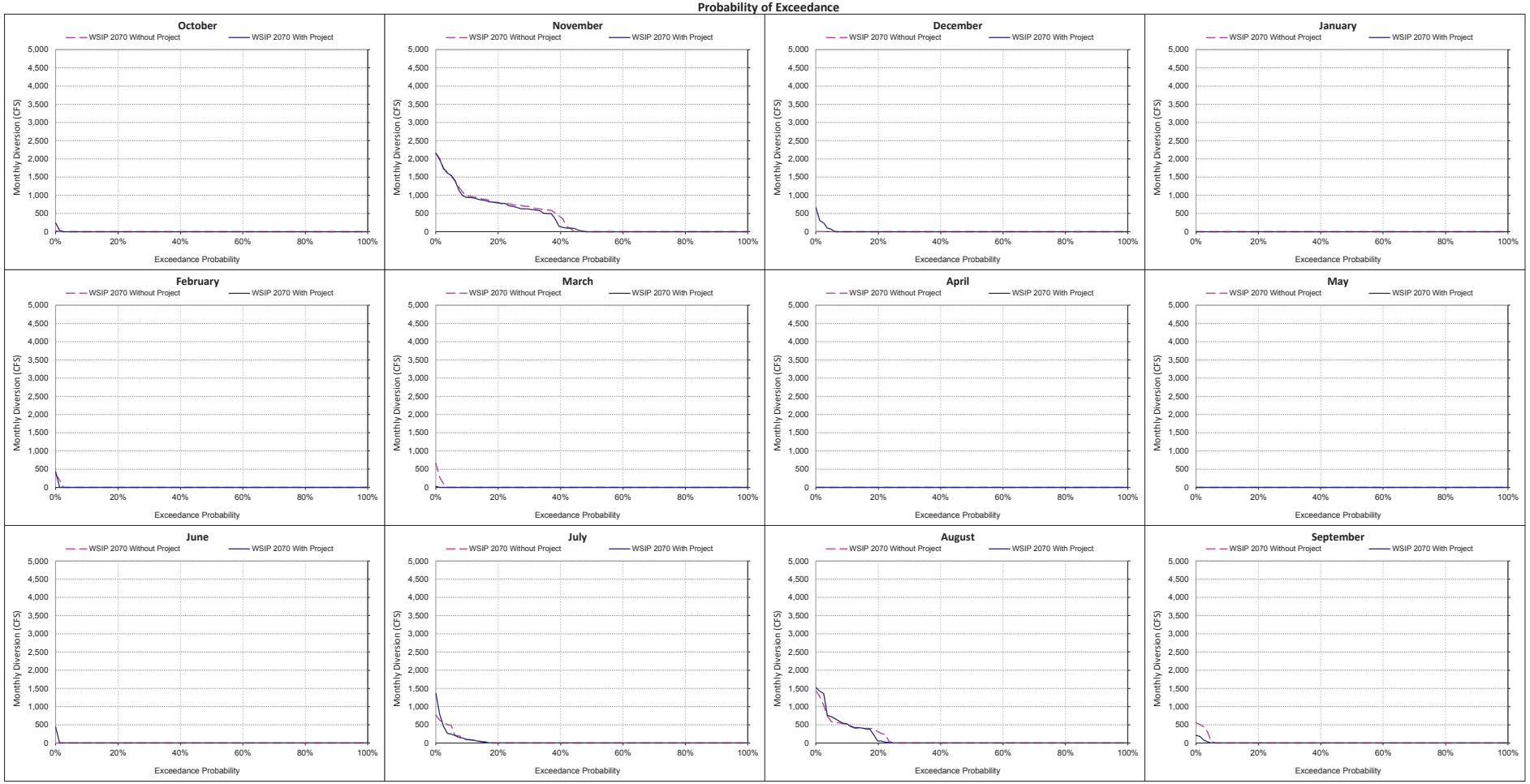


Table SW-40-b

Banks Pumping Plant (CVP), Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26	241	214	815.6%
1.2%	0	30	30	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,151	2,151	0	0.0%
1.2%	2,010	1,987	-23	-1.1%
2.5%	1,734	1,737	3	0.2%
3.7%	1,636	1,608	-28	-1.7%
4.9%	1,533	1,547	14	0.9%
6.2%	1,401	1,397	-5	-0.3%
7.4%	1,225	1,128	-97	-7.9%
8.6%	1,083	990	-92	-8.5%
9.9%	985	941	-44	-4.5%
11.1%	971	939	-32	-3.3%
12.3%	944	922	-22	-2.3%
13.6%	937	891	-46	-4.9%
14.8%	891	868	-23	-2.6%
16.0%	890	853	-37	-4.2%
17.3%	855	814	-41	-4.8%
18.5%	808	811	3	0.3%
19.8%	808	788	-20	-2.4%
21.0%	776	777	1	0.1%
22.2%	772	773	1	0.1%
23.5%	768	707	-61	-8.0%
24.7%	742	696	-47	-6.3%
25.9%	723	669	-54	-7.4%
27.2%	722	632	-90	-12.5%
28.4%	697	627	-70	-10.1%
29.6%	695	625	-70	-10.1%
30.9%	657	604	-53	-8.0%
32.1%	635	599	-36	-5.7%
33.3%	623	572	-52	-8.3%
34.6%	602	507	-96	-15.9%
35.8%	596	497	-99	-16.6%
37.0%	585	495	-90	-15.3%
38.3%	509	350	-159	-31.2%
39.5%	432	147	-285	-65.9%
40.7%	348	120	-228	-65.6%
42.0%	143	99	-44	-30.7%
43.2%	83	94	10	12.2%
44.4%	0	93	93	
45.7%	0	41	41	
46.9%	0	14	14	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	659	659	
1.2%	0	305	305	
2.5%	0	239	239	
3.7%	0	94	94	
4.9%	0	69	69	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-40-b

Banks Pumping Plant (CVP), Monthly Diversion
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	356	426	69	19.5%
1.2%	207	0	-207	-100.0%
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	662	31	-631	-95.3%
1.2%	277	0	-277	-100.0%
2.5%	92	0	-92	-100.0%
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-40-b

Banks Pumping Plant (CVP), Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	441	441	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	767	1,361	594	77.4%
1.2%	621	801	180	29.1%
2.5%	576	460	-116	-20.1%
3.7%	505	266	-240	-47.4%
4.9%	480	244	-236	-49.2%
6.2%	208	203	-6	-2.8%
7.4%	200	151	-49	-24.4%
8.6%	143	142	-1	-0.8%
9.9%	94	96	3	2.9%
11.1%	84	86	2	2.0%
12.3%	82	76	-6	-6.8%
13.6%	53	43	-11	-19.8%
14.8%	42	29	-13	-31.3%
16.0%	30	18	-12	-40.8%
17.3%	7	0	-7	-100.0%
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,435	1,524	89	6.2%
1.2%	1,278	1,422	144	11.2%
2.5%	1,039	1,358	319	30.7%
3.7%	741	760	19	2.6%
4.9%	590	721	131	22.2%
6.2%	560	668	108	19.3%
7.4%	556	601	45	8.0%
8.6%	533	546	13	2.5%
9.9%	517	529	12	2.3%
11.1%	482	451	-30	-6.3%
12.3%	407	425	18	4.5%
13.6%	406	424	17	4.3%
14.8%	401	407	6	1.4%
16.0%	399	390	-9	-2.2%
17.3%	399	380	-19	-4.7%
18.5%	384	230	-154	-40.1%
19.8%	317	57	-260	-82.1%
21.0%	262	55	-207	-79.2%
22.2%	231	24	-208	-89.7%
23.5%	45	10	-35	-77.7%
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	561	209	-352	-62.8%
1.2%	509	182	-326	-64.2%
2.5%	446	84	-362	-81.1%
3.7%	299	34	-265	-88.6%
4.9%	40	0	-40	-100.0%
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure SW-41-b
San Luis Reservoir (SWP and CVP), End of Month Storage
Probability of Exceedance

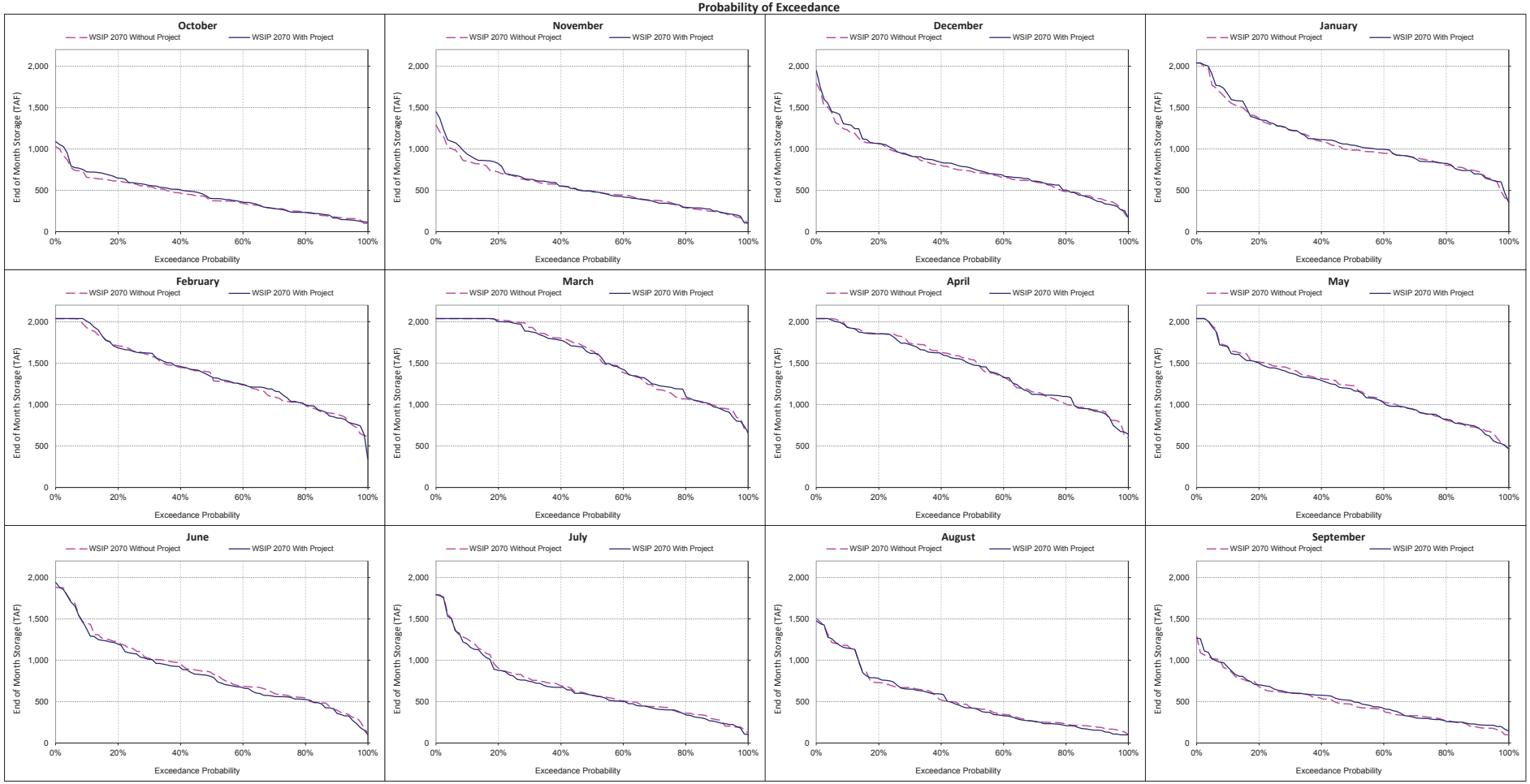


Table SW-41-b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,030	1,089	59	5.7%
1.2%	1,001	1,054	53	5.3%
2.5%	919	1,028	109	11.8%
3.7%	870	953	83	9.6%
4.9%	773	793	20	2.6%
6.2%	739	773	34	4.5%
7.4%	736	766	30	4.1%
8.6%	734	752	18	2.5%
9.9%	658	724	66	10.0%
11.1%	651	721	71	10.8%
12.3%	646	719	73	11.3%
13.6%	639	713	74	11.6%
14.8%	636	707	71	11.2%
16.0%	634	695	61	9.6%
17.3%	622	684	62	10.0%
18.5%	613	672	59	9.6%
19.8%	612	649	37	6.0%
21.0%	607	644	38	6.2%
22.2%	596	637	41	6.9%
23.5%	594	593	-1	-0.2%
24.7%	584	592	8	1.4%
25.9%	571	585	13	2.3%
27.2%	554	579	24	4.4%
28.4%	553	574	21	3.8%
29.6%	543	561	18	3.2%
30.9%	541	553	12	2.3%
32.1%	519	552	33	6.3%
33.3%	519	537	19	3.6%
34.6%	513	533	20	3.8%
35.8%	495	526	31	6.3%
37.0%	484	514	29	6.1%
38.3%	472	513	41	8.6%
39.5%	470	512	41	8.8%
40.7%	457	498	41	8.9%
42.0%	451	492	40	8.9%
43.2%	450	488	38	8.5%
44.4%	437	482	45	10.2%
45.7%	432	472	40	9.3%
46.9%	432	457	25	5.9%
48.1%	419	434	14	3.4%
49.4%	376	403	27	7.2%
50.6%	373	401	29	7.7%
51.9%	373	401	28	7.5%
53.1%	370	396	26	7.1%
54.3%	370	389	19	5.1%
55.6%	370	387	18	4.8%
56.8%	367	377	10	2.7%
58.0%	362	372	10	2.8%
59.3%	349	362	14	3.9%
60.5%	339	355	16	4.7%
61.7%	329	353	24	7.4%
63.0%	323	342	19	5.9%
64.2%	321	333	13	4.0%
65.4%	319	312	-7	-2.3%
66.7%	300	298	-2	-0.8%
67.9%	290	290	0	0.0%
69.1%	282	283	0	0.2%
70.4%	281	278	-3	-1.2%
71.6%	279	271	-8	-3.0%
72.8%	274	266	-8	-3.0%
74.1%	254	252	-3	-1.1%
75.3%	248	236	-12	-4.8%
76.5%	248	235	-13	-5.4%
77.8%	247	234	-13	-5.2%
79.0%	241	234	-7	-3.0%
80.2%	233	232	-1	-0.4%
81.5%	221	231	11	4.8%
82.7%	217	221	4	1.7%
84.0%	208	219	10	5.0%
85.2%	195	212	17	8.6%
86.4%	193	207	14	7.0%
87.7%	185	201	16	8.7%
88.9%	179	166	-13	-7.4%
90.1%	175	164	-11	-6.4%
91.4%	170	147	-23	-13.6%
92.6%	162	145	-17	-10.4%
93.8%	158	143	-16	-9.9%
95.1%	158	139	-19	-12.1%
96.3%	157	135	-22	-14.0%
97.5%	140	124	-16	-11.2%
98.8%	100	119	19	19.4%
100.0%	100	110	10	10.2%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,288	1,449	162	12.6%
1.2%	1,204	1,369	165	13.7%
2.5%	1,146	1,229	83	7.2%
3.7%	1,021	1,110	89	8.7%
4.9%	1,004	1,091	87	8.7%
6.2%	986	1,076	91	9.2%
7.4%	935	1,034	99	10.6%
8.6%	861	984	123	14.2%
9.9%	852	940	88	10.3%
11.1%	842	912	70	8.3%
12.3%	824	883	60	7.3%
13.6%	820	863	43	5.2%
14.8%	814	863	49	6.0%
16.0%	797	859	61	7.7%
17.3%	740	855	115	15.5%
18.5%	734	845	110	15.0%
19.8%	723	828	105	14.5%
21.0%	702	790	88	12.6%
22.2%	697	704	8	1.1%
23.5%	695	687	-8	-1.2%
24.7%	676	682	6	0.8%
25.9%	662	676	14	2.0%
27.2%	640	665	25	3.9%
28.4%	631	638	7	1.2%
29.6%	620	632	12	1.9%
30.9%	618	632	13	2.1%
32.1%	608	617	8	1.4%
33.3%	588	612	24	4.0%
34.6%	584	611	27	4.6%
35.8%	577	602	26	4.5%
37.0%	576	594	18	3.1%
38.3%	576	594	18	3.1%
39.5%	554	552	-2	-0.4%
40.7%	551	548	-3	-0.5%
42.0%	543	544	2	0.3%
43.2%	542	523	-19	-3.5%
44.4%	526	520	-6	-1.2%
45.7%	505	501	-4	-0.8%
46.9%	501	496	-5	-0.9%
48.1%	492	493	1	0.2%
49.4%	492	493	1	0.2%
50.6%	487	478	-9	-1.9%
51.9%	479	477	-2	-0.3%
53.1%	470	466	-4	-0.9%
54.3%	457	459	2	0.5%
55.6%	456	445	-11	-2.5%
56.8%	452	432	-20	-4.3%
58.0%	447	430	-17	-3.9%
59.3%	444	425	-19	-4.2%
60.5%	439	417	-23	-5.1%
61.7%	437	412	-25	-5.7%
63.0%	422	403	-19	-4.5%
64.2%	409	402	-8	-1.9%
65.4%	398	390	-8	-2.1%
66.7%	387	388	2	0.4%
67.9%	386	378	-8	-2.0%
69.1%	381	372	-9	-2.4%
70.4%	378	355	-23	-6.1%
71.6%	375	343	-32	-8.6%
72.8%	369	343	-26	-7.0%
74.1%	362	343	-20	-5.5%
75.3%	349	334	-15	-4.2%
76.5%	334	328	-6	-1.8%
77.8%	332	326	-7	-2.0%
79.0%	300	295	-6	-1.8%
80.2%	287	293	6	2.3%
81.5%	280	292	12	4.3%
82.7%	274	288	14	5.3%
84.0%	267	288	21	7.8%
85.2%	263	284	21	8.0%
86.4%	255	274	20	7.7%
87.7%	247	274	26	10.7%
88.9%	245	250	5	2.2%
90.1%	242	249	7	3.0%
91.4%	236	227	-9	-3.8%
92.6%	221	226	5	2.1%
93.8%	201	215	14	6.9%
95.1%	199	208	8	4.2%
96.3%	177	203	26	14.5%
97.5%	167	188	22	12.9%
98.8%	137	105	-32	-23.2%
100.0%	100	105	5	5.0%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,793	1,949	156	8.7%
1.2%	1,707	1,745	38	2.2%
2.5%	1,519	1,600	81	5.3%
3.7%	1,505	1,551	46	3.1%
4.9%	1,441	1,451	10	0.7%
6.2%	1,315	1,439	125	9.5%
7.4%	1,292	1,416	124	9.6%
8.6%	1,244	1,303	59	4.7%
9.9%	1,232	1,296	64	5.2%
11.1%	1,191	1,289	98	8.2%
12.3%	1,189	1,246	57	4.8%
13.6%	1,127	1,245	118	10.4%
14.8%	1,092	1,121	28	2.6%
16.0%	1,075	1,115	40	3.7%
17.3%	1,074	1,078	4	0.3%
18.5%	1,072	1,070	-2	-0.2%
19.8%	1,065	1,067	2	0.2%
21.0%	1,059	1,060	1	0.1%
22.2%	1,025	1,049	24	2.3%
23.5%	994	1,021	27	2.7%
24.7%	976	1,004	28	2.9%
25.9%	964	964	0	0.0%
27.2%	944	950	6	0.6%
28.4%	936	947	11	1.1%
29.6%	926	920	-6	-0.7%
30.9%	916	909	-7	-0.7%
32.1%	901	907	6	0.6%
33.3%	863	906	43	5.0%
34.6%	850	881	31	3.6%
35.8%	836	875	39	4.6%
37.0%	820	871	50	6.1%
38.3%	813	856	43	5.3%
39.5%	812	844	32	4.0%
40.7%	791	832	40	5.1%
42.0%	789	829	41	5.1%
43.2%	761	827	66	8.7%
44.4%	758	812	54	7.1%
45.7%	746	794	49	6.5%
46.9%	745	788	42	5.7%
48.1%	738	785	46	6.3%
49.4%	733	771	38	5.2%
50.6%	715	754	39	5.5%
51.9%	710	738	28	3.9%
53.1%	709	729	20	2.9%
54.3%	704	717	13	1.9%
55.6%	693	703	10	1.4%
56.8%	684	697	13	1.9%
58.0%	676	693	18	2.6%
59.3%	659	690	30	4.6%
60.5%	656	666	10	1.5%
61.7%	648	665	18	2.8%
63.0%	631	656	26	4.1%
64.2%	629	654	25	3.9%
65.4%	620	652	31	5.1%
66.7%	620	644	24	3.8%
67.9%	618	643	24	4.0%
69.1%	616	612	-4	-0.6%
70.4%	598	609	11	1.9%
71.6%	592	604	13	2.1%
72.8%	581	589	7	1.3%
74.1%	566	575	9	1.5%
75.3%	557	574	17	3.0%
76.5%	524	564	41	7.8%
77.8%	511	562	51	10.0%
79.0%	490	504	14	3.0%
80.2%	483	502	19	3.9%
81.5%	480	476	-4	-0.7%
82.7%	478	471	-7	-1.4%
84.0%	466	444	-23	-4.8%
85.2%	447	439	-8	-1.8%
86.4%	435	423	-12	-2.7%
87.7%	432	408	-24	-5.5%
88.9%	403	387	-16	-4.1%
90.1%	401	366	-35	-8.7%
91.4%	398	359	-38	-9.6%
92.6%	376	334	-42	-11.1%
93.8%	369	332	-37	-10.0%
95.1%	356	319	-37	-10.4%
96.3%	326	305	-21	-6.5%
97.5%	292	265	-27	-9.1%
98.8%	221	254	33	14.8%
100.0%	148	164	17	11.3%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	1,993	2,018	25	1.3%
3.7%	1,982	2,002	20	1.0%
4.9%	1,768	1,908	141	8.0%
6.2%	1,739	1,769	30	1.8%
7.4%	1,688	1,762	74	4.4%
8.6%	1,643	1,735	92	5.6%
9.9%	1,593	1,668	74	4.7%
11.1%	1,552	1,597	44	2.9%
12.3%	1,529	1,586	57	3.7%
13.6%	1,516	1,580	64	4.2%
14.8%	1,497	1,578	81	5.4%
16.0%	1,454	1,491	37	2.5%
17.3%	1,412	1,392	-19	-1.4%
18.5%	1,403	1,379	-23	-1.6%
19.8%	1,377	1,362	-15	-1.1%
21.0%	1,334	1,349	15	1.1%
22.2%	1,315	1,346	31	2.4%
23.5%	1,298	1,316	18	1.4%
24.7%	1,285	1,303	18	1.4%
25.9%	1,280	1,275	-5	-0.4%
27.2%	1,277	1,273	-5	-0.4%
28.4%	1,250	1,262	13	1.0%
29.6%	1,235	1,230	-5	-0.4%
30.9%	1,225	1,220	-4	-0.3%
32.1%	1,220	1,219	0	0.0%
33.3%	1,185	1,187	2	0.2%
34.6%	1,180	1,166	-14	-1.2%
35.8%	1,159	1,127	-32	-2.8%
37.0%	1,134	1,121	-13	-1.1%
38.3%	1,104	1,119	16	1.4%
39.5%	1,095	1,112	17	1.6%
40.7%	1,082	1,112	30	2.8%
42.0%	1,073	1,108	34	3.2%
43.2%	1,048	1,107	59	5.6%
44.4%	1,037	1,093	56	5.4%
45.7%	1,034	1,071	37	3.6%
46.9%	1,000	1,059	59	5.9%
48.1%	993	1,059	66	6.6%
49.4%	986	1,048	62	6.3%
50.6%	986	1,042	57	5.7%
51.9%	985	1,032	47	4.7%
53.1%	969	1,019	50	5.2%
54.3%	969	1,013	44	4.5%
55.6%	967	1,011	44	4.5%
56.8%	965	1,002	37	3.8%
58.0%	956	998	42	4.3%
59.3%	951	995	44	4.7%
60.5%	946	992	47	4.9%
61.7%	945	986	41	4.4%
63.0%	944	945	0	0.0%
64.2%	925	925	0	0.0%
65.4%	921	921	0	0.0%
66.7%	919	918	-1	-0.1%
67.9%	911	912	2	0.2%
69.1%	901	898	-3	-0.3%
70.4%	900	877	-22	-2.5%
71.6%	881	850	-31	-3.5%
72.8%	875	848	-27	-3.1%
74.1%	864	847	-17	-2.0%
75.3%	859	844	-16	-1.8%
76.5%	838	843	5	0.6%
77.8%	832	834	2	0.3%
79.0%	812	827	15	1.8%
80.2%	802	823	21	2.6%
81.5%	800	807	7	0.9%
82.7%	783	764	-19	-2.5%
84.0%	779	749	-31	-3.9%
85.2%	775	740	-35	-4.5%
86.4%	754	739	-15	-2.0%
87.7%	748	739	-9	-1.3%
88.9%	739	699	-40	-5.4%
90.1%	729	699	-30	-4.1%
91.4%	717	694	-23	-3.2%
92.6%	656	646	-10	-1.6%
93.8%	644	634	-10	-1.6%
95.1%	632	618	-14	-2.2%
96.3%	598	608	10	1.7%
97.5%	489	603	114	23.2%
98.8%	409	468	59	14.5%
100.0%	381	357	-24	-6.3%

Table SW-41-b

San Luis Reservoir (SWP and CVP), End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,039	2,039	0	0.0%
4.9%	2,039	2,039	0	0.0%
6.2%	2,039	2,039	0	0.0%
7.4%	2,033	2,039	6	0.3%
8.6%	1,979	2,039	60	3.0%
9.9%	1,930	2,009	79	4.1%
11.1%	1,900	1,983	83	4.3%
12.3%	1,888	1,938	49	2.6%
13.6%	1,841	1,905	64	3.5%
14.8%	1,825	1,833	8	0.4%
16.0%	1,780	1,777	-3	-0.2%
17.3%	1,764	1,757	-6	-0.4%
18.5%	1,723	1,712	-12	-0.7%
19.8%	1,713	1,688	-25	-1.5%
21.0%	1,706	1,677	-29	-1.7%
22.2%	1,695	1,662	-33	-1.9%
23.5%	1,679	1,659	-20	-1.2%
24.7%	1,648	1,644	-4	-0.2%
25.9%	1,637	1,631	-7	-0.4%
27.2%	1,636	1,627	-9	-0.6%
28.4%	1,616	1,626	10	0.6%
29.6%	1,602	1,621	19	1.2%
30.9%	1,579	1,620	41	2.6%
32.1%	1,575	1,563	-12	-0.7%
33.3%	1,523	1,548	26	1.7%
34.6%	1,500	1,522	21	1.4%
35.8%	1,480	1,507	27	1.8%
37.0%	1,476	1,502	26	1.8%
38.3%	1,470	1,469	-1	-0.1%
39.5%	1,450	1,465	15	1.0%
40.7%	1,447	1,453	6	0.4%
42.0%	1,438	1,443	4	0.3%
43.2%	1,427	1,426	-1	-0.1%
44.4%	1,410	1,423	13	0.9%
45.7%	1,407	1,417	10	0.7%
46.9%	1,407	1,390	-17	-1.2%
48.1%	1,399	1,373	-26	-1.9%
49.4%	1,394	1,347	-47	-3.4%
50.6%	1,286	1,322	36	2.8%
51.9%	1,282	1,321	39	3.0%
53.1%	1,282	1,299	17	1.4%
54.3%	1,277	1,292	15	1.2%
55.6%	1,273	1,283	10	0.8%
56.8%	1,269	1,261	-8	-0.7%
58.0%	1,266	1,258	-8	-0.6%
59.3%	1,243	1,249	7	0.5%
60.5%	1,234	1,241	7	0.6%
61.7%	1,223	1,218	-5	-0.4%
63.0%	1,195	1,212	18	1.5%
64.2%	1,187	1,212	24	2.0%
65.4%	1,166	1,212	46	3.9%
66.7%	1,162	1,205	43	3.7%
67.9%	1,113	1,191	77	7.0%
69.1%	1,091	1,189	98	9.0%
70.4%	1,090	1,161	70	6.4%
71.6%	1,075	1,156	81	7.5%
72.8%	1,043	1,114	71	6.8%
74.1%	1,041	1,082	41	4.0%
75.3%	1,031	1,039	8	0.8%
76.5%	1,030	1,039	8	0.8%
77.8%	1,029	1,025	-4	-0.4%
79.0%	1,021	1,018	-2	-0.2%
80.2%	986	992	6	0.6%
81.5%	961	986	25	2.6%
82.7%	956	981	26	2.7%
84.0%	935	939	4	0.4%
85.2%	909	926	16	1.8%
86.4%	900	912	12	1.3%
87.7%	899	863	-36	-4.0%
88.9%	893	853	-40	-4.4%
90.1%	880	838	-42	-4.8%
91.4%	869	835	-35	-4.0%
92.6%	851	823	-28	-3.3%
93.8%	789	784	-5	-0.6%
95.1%	752	773	21	2.8%
96.3%	722	759	37	5.1%
97.5%	649	744	95	14.6%
98.8%	626	639	13	2.0%
100.0%	615	341	-274	-44.5%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,039	2,039	0	0.0%
4.9%	2,039	2,039	0	0.0%
6.2%	2,039	2,039	0	0.0%
7.4%	2,039	2,039	0	0.0%
8.6%	2,039	2,039	0	0.0%
9.9%	2,039	2,039	0	0.0%
11.1%	2,039	2,039	0	0.0%
12.3%	2,039	2,039	0	0.0%
13.6%	2,039	2,039	0	0.0%
14.8%	2,039	2,039	0	0.0%
16.0%	2,039	2,039	0	0.0%
17.3%	2,039	2,038	-1	0.0%
18.5%	2,035	2,036	1	0.1%
19.8%	2,022	2,003	-20	-1.0%
21.0%	2,022	2,002	-20	-1.0%
22.2%	2,015	2,000	-15	-0.7%
23.5%	2,013	1,999	-14	-0.7%
24.7%	1,996	1,988	-8	-0.4%
25.9%	1,995	1,978	-17	-0.9%
27.2%	1,991	1,970	-21	-1.1%
28.4%	1,988	1,890	-98	-4.9%
29.6%	1,933	1,887	-45	-2.3%
30.9%	1,932	1,877	-55	-2.9%
32.1%	1,887	1,869	-18	-0.9%
33.3%	1,862	1,841	-21	-1.1%
34.6%	1,861	1,826	-35	-1.9%
35.8%	1,837	1,800	-36	-2.0%
37.0%	1,812	1,794	-17	-1.0%
38.3%	1,807	1,789	-18	-1.0%
39.5%	1,805	1,781	-24	-1.3%
40.7%	1,796	1,769	-27	-1.5%
42.0%	1,784	1,741	-43	-2.4%
43.2%	1,765	1,710	-56	-3.2%
44.4%	1,740	1,708	-32	-1.8%
45.7%	1,738	1,702	-36	-2.1%
46.9%	1,713	1,694	-19	-1.1%
48.1%	1,689	1,644	-45	-2.7%
49.4%	1,660	1,621	-40	-2.4%
50.6%	1,638	1,619	-19	-1.1%
51.9%	1,594	1,614	21	1.3%
53.1%	1,514	1,562	48	3.2%
54.3%	1,483	1,498	14	1.0%
55.6%	1,478	1,493	15	1.0%
56.8%	1,476	1,466	-10	-0.7%
58.0%	1,472	1,458	-14	-1.0%
59.3%	1,401	1,433	32	2.3%
60.5%	1,378	1,417	38	2.8%
61.7%	1,368	1,362	-6	-0.5%
63.0%	1,348	1,351	3	0.2%
64.2%	1,333	1,346	13	0.9%
65.4%	1,323	1,328	4	0.3%
66.7%	1,278	1,323	45	3.6%
67.9%	1,244	1,292	49	3.9%
69.1%	1,241	1,253	12	0.9%
70.4%	1,185	1,242	58	4.9%
71.6%	1,180	1,229	49	4.1%
72.8%	1,173	1,221	47	4.0%
74.1%	1,151	1,215	64	5.5%
75.3%	1,138	1,208	70	6.1%
76.5%	1,100	1,194	94	8.5%
77.8%	1,073	1,189	116	10.8%
79.0%	1,069	1,185	116	10.9%
80.2%	1,068	1,091	22	2.1%
81.5%	1,058	1,075	17	1.6%
82.7%	1,056	1,052	-4	-0.3%
84.0%	1,042	1,041	-1	-0.1%
85.2%	1,038	1,026	-12	-1.2%
86.4%	1,008	1,022	14	1.4%
87.7%	1,000	1,012	12	1.2%
88.9%	996	972	-24	-2.4%
90.1%	974	965	-9	-0.9%
91.4%	957	944	-13	-1.4%
92.6%	953	923	-29	-3.1%
93.8%	945	910	-35	-3.7%
95.1%	929	851	-79	-8.5%
96.3%	843	799	-44	-5.2%
97.5%	838	798	-40	-4.8%
98.8%	706	737	32	4.5%
100.0%	656	660	4	0.6%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,039	2,039	0	0.0%
4.9%	2,039	2,023	-16	-0.8%
6.2%	2,031	2,002	-29	-1.4%
7.4%	2,012	1,996	-16	-0.8%
8.6%	1,993	1,973	-20	-1.0%
9.9%	1,934	1,935	1	0.0%
11.1%	1,931	1,922	-9	-0.5%
12.3%	1,916	1,918	2	0.1%
13.6%	1,912	1,878	-34	-1.8%
14.8%	1,887	1,871	-16	-0.9%
16.0%	1,868	1,862	-6	-0.3%
17.3%	1,866	1,857	-9	-0.5%
18.5%	1,860	1,856	-4	-0.2%
19.8%	1,857	1,854	-4	-0.2%
21.0%	1,856	1,854	-2	-0.1%
22.2%	1,856	1,853	-3	-0.1%
23.5%	1,854	1,847	-6	-0.4%
24.7%	1,853	1,821	-32	-1.7%
25.9%	1,832	1,780	-52	-2.8%
27.2%	1,823	1,743	-80	-4.4%
28.4%	1,806	1,742	-65	-3.6%
29.6%	1,745	1,729	-16	-0.9%
30.9%	1,734	1,713	-21	-1.2%
32.1%	1,730	1,698	-32	-1.9%
33.3%	1,725	1,663	-63	-3.6%
34.6%	1,724	1,659	-64	-3.7%
35.8%	1,680	1,634	-46	-2.7%
37.0%	1,656	1,628	-27	-1.6%
38.3%	1,653	1,625	-27	-1.7%
39.5%	1,641	1,625	-16	-1.0%
40.7%	1,626	1,599	-27	-1.7%
42.0%	1,619	1,589	-30	-1.9%
43.2%	1,602	1,567	-36	-2.2%
44.4%	1,591	1,555	-36	-2.2%
45.7%	1,590	1,554	-36	-2.2%
46.9%	1,566	1,541	-25	-1.6%
48.1%	1,565	1,512	-53	-3.4%
49.4%	1,545	1,492	-53	-3.4%
50.6%	1,539	1,477	-62	-4.1%
51.9%	1,488	1,472	-15	-1.0%
53.1%	1,423	1,457	34	2.4%
54.3%	1,388	1,456	68	4.9%
55.6%	1,382	1,399	17	1.3%
56.8%	1,380	1,387	8	0.5%
58.0%	1,360	1,376	17	1.2%
59.3%	1,333	1,347	14	1.0%
60.5%	1,323	1,326	2	0.2%
61.7%	1,293	1,324	30	2.4%
63.0%	1,252	1,259	7	0.6%
64.2%	1,205	1,244	39	3.2%
65.4%	1,197	1,206	8	0.7%
66.7%	1,194	1,174	-20	-1.7%
67.9%	1,184	1,162	-22	-1.8%
69.1%	1,153	1,124	-29	-2.5%
70.4%	1,150	1,123	-27	-2.3%
71.6%	1,143	1,121	-21	-1.9%
72.8%	1,123	1,115	-8	-0.7%
74.1%	1,082	1,115	32	3.0%
75.3%	1,082	1,113	31	2.8%
76.5%	1,064	1,112	47	4.4%
77.8%	1,041	1,107	66	6.3%
79.0%	1,026	1,098	73	7.1%
80.2%	999	1,098	99	9.9%
81.5%	993	1,085	92	9.2%
82.7%	981	987	6	0.6%
84.0%	968	956	-12	-1.3%
85.2%	968	954	-14	-1.5%
86.4%	939	950	11	1.2%
87.7%	936	949	13	1.4%
88.9%	936	922	-14	-1.5%
90.1%	932	916	-16	-1.7%
91.4%	928	907	-21	-2.2%
92.6%	912	887	-25	-2.8%
93.8%	821	846	25	3.0%
95.1%	809	749	-60	-7.4%
96.3%	806	711	-96	-11.9%
97.5%	779	676	-103	-13.2%
98.8%	620	669	49	7.9%
100.0%	593	640	46	7.8%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,039	2,039	0	0.0%
1.2%	2,039	2,039	0	0.0%
2.5%	2,039	2,039	0	0.0%
3.7%	2,012	2,009	-3	-0.2%
4.9%	1,955	1,944	-11	-0.5%
6.2%	1,914	1,890	-24	-1.3%
7.4%	1,737	1,722	-15	-0.9%
8.6%	1,725	1,709	-16	-0.9%
9.9%	1,707	1,700	-7	-0.4%
11.1%	1,643	1,615	-28	-1.7%
12.3%	1,641	1,607	-34	-2.1%
13.6%	1,626	1,606	-20	-1.2%
14.8%	1,616	1,567	-49	-3.0%
16.0%	1,611	1,533	-78	-4.8%
17.3%	1,533	1,530	-3	-0.2%
18.5%	1,518	1,522	4	0.3%
19.8%	1,517	1,508	-10	-0.6%
21.0%	1,508	1,478	-30	-2.0%
22.2%	1,506	1,460	-46	-3.1%
23.5%	1,484	1,445	-40	-2.7%
24.7%	1,466	1,444	-22	-1.5%
25.9%	1,461	1,434	-27	-1.9%
27.2%	1,456	1,418	-38	-2.6%
28.4%	1,453	1,406	-47	-3.2%
29.6%	1,436	1,384	-52	-3.6%
30.9%	1,422	1,375	-47	-3.3%
32.1%	1,402	1,359	-43	-3.1%
33.3%	1,369	1,336	-33	-2.4%
34.6%	1,354	1,331	-23	-1.7%
35.8%	1,349	1,328	-21	-1.6%
37.0%	1,338	1,318	-20	-1.5%
38.3%	1,323	1,313	-9	-0.7%
39.5%	1,321	1,300	-20	-1.5%
40.7%	1,308	1,281	-27	-2.1%
42.0%	1,306	1,266	-40	-3.1%
43.2%	1,293	1,250	-44	-3.4%
44.4%	1,293	1,243	-50	-3.9%
45.7%	1,244	1,210	-34	-2.7%
46.9%	1,241	1,203	-39	-3.1%
48.1%	1,237	1,201	-36	-2.9%
49.4%	1,229	1,192	-37	-3.0%
50.6%	1,227	1,166	-61	-5.0%
51.9%	1,168	1,161	-7	-0.6%
53.1%	1,154	1,132	-21	-1.9%
54.3%	1,110	1,084	-26	-2.3%
55.6%	1,090	1,080	-10	-0.9%
56.8%	1,089	1,076	-13	-1.2%
58.0%	1,084	1,062	-23	-2.1%
59.3%	1,042	1,043	1	0.1%
60.5%	1,024	1,003	-21	-2.1%
61.7%	1,020	984	-37	-3.6%
63.0%	1,009	980	-29	-2.8%
64.2%	996	979	-17	-1.7%
65.4%	968	978	10	1.0%
66.7%	966	970	4	0.4%
67.9%	953	955	2	0.2%
69.1%	951	944	-7	-0.7%
70.4%	919	936	17	1.9%
71.6%	900	903	3	0.3%
72.8%	893	894	0	0.0%
74.1%	882	886	3	0.4%
75.3%	878	884	6	0.7%
76.5%	862	882	20	2.4%
77.8%	858	854	-4	-0.5%
79.0%	823	826	3	0.4%
80.2%	808	822	14	1.7%
81.5%	797	812	15	1.9%
82.7%	787	776	-11	-1.4%
84.0%	781	771	-10	-1.3%
85.2%	772	763	-10	-1.2%
86.4%	736	759	24	3.2%
87.7%	731	750	19	2.6%
88.9%	730	744	15	2.0%
90.1%	719	719	-1	-0.1%
91.4%	715	690	-25	-3.5%
92.6%	681	637	-44	-6.5%
93.8%	675	622	-53	-7.8%
95.1%	658	561	-97	-14.7%
96.3%	594	541	-53	-8.9%
97.5%	542	532	-10	-1.9%
98.8%	506	509	3	0.7%
100.0%	466	463	-3	-0.7%

Table SW-41-b

San Luis Reservoir (SWP and CVP), End of Month Storage

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,881	1,942	60	3.2%
1.2%	1,877	1,881	4	0.2%
2.5%	1,877	1,855	-22	-1.2%
3.7%	1,783	1,784	1	0.0%
4.9%	1,713	1,704	-9	-0.5%
6.2%	1,689	1,657	-32	-1.9%
7.4%	1,543	1,538	-4	-0.3%
8.6%	1,460	1,467	7	0.5%
9.9%	1,450	1,379	-71	-4.9%
11.1%	1,434	1,290	-144	-10.0%
12.3%	1,313	1,287	-27	-2.0%
13.6%	1,308	1,250	-58	-4.4%
14.8%	1,268	1,243	-25	-2.0%
16.0%	1,257	1,235	-21	-1.7%
17.3%	1,248	1,221	-26	-2.1%
18.5%	1,229	1,217	-13	-1.0%
19.8%	1,229	1,200	-28	-2.3%
21.0%	1,192	1,180	-12	-1.0%
22.2%	1,179	1,102	-78	-6.6%
23.5%	1,143	1,090	-53	-4.6%
24.7%	1,142	1,082	-60	-5.2%
25.9%	1,110	1,078	-32	-2.9%
27.2%	1,103	1,036	-67	-6.0%
28.4%	1,043	1,027	-15	-1.5%
29.6%	1,025	1,011	-14	-1.4%
30.9%	1,019	1,010	-9	-0.9%
32.1%	1,010	962	-48	-4.7%
33.3%	1,007	961	-46	-4.6%
34.6%	1,000	954	-47	-4.7%
35.8%	987	942	-45	-4.6%
37.0%	982	932	-51	-5.2%
38.3%	975	929	-46	-4.7%
39.5%	969	925	-44	-4.6%
40.7%	930	887	-43	-4.7%
42.0%	894	886	-8	-0.9%
43.2%	893	854	-40	-4.4%
44.4%	886	834	-52	-5.9%
45.7%	877	829	-48	-5.5%
46.9%	869	825	-44	-5.1%
48.1%	868	820	-48	-5.5%
49.4%	859	809	-50	-5.8%
50.6%	827	792	-35	-4.3%
51.9%	820	739	-82	-9.9%
53.1%	778	722	-56	-7.2%
54.3%	752	703	-49	-6.5%
55.6%	743	698	-45	-6.0%
56.8%	709	687	-22	-3.1%
58.0%	697	678	-19	-2.8%
59.3%	687	677	-10	-1.5%
60.5%	685	659	-26	-3.8%
61.7%	681	656	-25	-3.6%
63.0%	676	625	-51	-7.6%
64.2%	675	603	-72	-10.7%
65.4%	669	598	-71	-10.6%
66.7%	655	577	-78	-11.9%
67.9%	644	576	-67	-10.5%
69.1%	618	570	-48	-7.7%
70.4%	592	560	-32	-5.5%
71.6%	586	559	-27	-4.6%
72.8%	582	559	-23	-3.9%
74.1%	578	556	-22	-3.9%
75.3%	560	552	-9	-1.5%
76.5%	559	532	-27	-4.8%
77.8%	553	531	-22	-4.0%
79.0%	551	530	-21	-3.8%
80.2%	542	527	-15	-2.8%
81.5%	501	516	16	3.1%
82.7%	497	489	-8	-1.6%
84.0%	489	488	-1	-0.2%
85.2%	483	471	-13	-2.7%
86.4%	482	424	-58	-12.0%
87.7%	445	424	-21	-4.6%
88.9%	413	414	1	0.3%
90.1%	396	357	-38	-9.7%
91.4%	369	344	-25	-6.8%
92.6%	359	328	-31	-8.7%
93.8%	344	327	-18	-5.1%
95.1%	308	275	-33	-10.8%
96.3%	308	237	-71	-23.0%
97.5%	260	188	-72	-27.7%
98.8%	183	154	-29	-15.7%
100.0%	113	103	-9	-8.4%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,793	1,791	-2	-0.1%
1.2%	1,778	1,791	12	0.7%
2.5%	1,766	1,749	-17	-1.0%
3.7%	1,561	1,535	-27	-1.7%
4.9%	1,504	1,502	-2	-0.1%
6.2%	1,363	1,354	-9	-0.7%
7.4%	1,304	1,325	22	1.7%
8.6%	1,282	1,221	-61	-4.7%
9.9%	1,260	1,201	-60	-4.7%
11.1%	1,229	1,152	-77	-6.2%
12.3%	1,200	1,131	-69	-5.8%
13.6%	1,147	1,128	-20	-1.7%
14.8%	1,120	1,072	-49	-4.3%
16.0%	1,083	1,033	-51	-4.7%
17.3%	1,068	1,012	-55	-5.2%
18.5%	959	892	-67	-7.0%
19.8%	912	881	-30	-3.3%
21.0%	878	873	-5	-0.6%
22.2%	868	863	-6	-0.6%
23.5%	852	822	-29	-3.4%
24.7%	843	810	-33	-3.9%
25.9%	829	770	-60	-7.2%
27.2%	827	761	-66	-8.0%
28.4%	790	760	-30	-3.8%
29.6%	783	748	-35	-4.5%
30.9%	758	739	-19	-2.5%
32.1%	756	723	-33	-4.4%
33.3%	746	719	-27	-3.7%
34.6%	741	695	-46	-6.2%
35.8%	726	684	-42	-5.8%
37.0%	724	677	-47	-6.6%
38.3%	722	674	-47	-6.6%
39.5%	699	674	-26	-3.7%
40.7%	684	672	-12	-1.8%
42.0%	682	642	-39	-5.7%
43.2%	663	641	-22	-3.3%
44.4%	620	602	-19	-3.0%
45.7%	616	600	-15	-2.5%
46.9%	612	600	-12	-2.0%
48.1%	597	592	-6	-0.9%
49.4%	575	582	8	1.4%
50.6%	572	571	-1	-0.1%
51.9%	563	562	-2	-0.3%
53.1%	560	556	-4	-0.7%
54.3%	554	541	-13	-2.4%
55.6%	547	512	-35	-6.4%
56.8%	537	511	-26	-4.9%
58.0%	522	507	-15	-2.8%
59.3%	511	505	-6	-1.1%
60.5%	505	500	-5	-1.1%
61.7%	502	476	-26	-5.2%
63.0%	496	476	-20	-4.1%
64.2%	493	454	-40	-8.1%
65.4%	467	448	-19	-4.1%
66.7%	451	446	-5	-1.0%
67.9%	442	438	-5	-1.0%
69.1%	441	426	-15	-3.5%
70.4%	441	412	-29	-6.6%
71.6%	437	406	-31	-7.0%
72.8%	432	404	-27	-6.3%
74.1%	429	401	-28	-6.5%
75.3%	405	399	-6	-1.5%
76.5%	387	396	9	2.3%
77.8%	371	378	7	1.9%
79.0%	369	358	-11	-2.9%
80.2%	360	336	-24	-6.7%
81.5%	359	333	-27	-7.4%
82.7%	342	316	-26	-7.5%
84.0%	341	310	-31	-9.0%
85.2%	341	303	-38	-11.0%
86.4%	332	289	-44	-13.2%
87.7%	298	269	-28	-9.5%
88.9%	291	264	-27	-9.3%
90.1%	281	253	-28	-9.9%
91.4%	274	240	-34	-12.5%
92.6%	204	235	30	14.9%
93.8%	203	226	22	11.1%
95.1%	198	225	28	13.9%
96.3%	193	200	7	3.5%
97.5%	192	181	-11	-5.6%
98.8%	160	107	-53	-33.0%
100.0%	115	102	-13	-11.3%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,507	1,475	-32	-2.1%
1.2%	1,464	1,441	-23	-1.6%
2.5%	1,415	1,426	11	0.8%
3.7%	1,313	1,279	-35	-2.6%
4.9%	1,214	1,259	45	3.7%
6.2%	1,204	1,216	12	1.0%
7.4%	1,197	1,181	-17	-1.4%
8.6%	1,181	1,158	-24	-2.0%
9.9%	1,180	1,147	-33	-2.8%
11.1%	1,139	1,142	3	0.3%
12.3%	1,133	1,131	-2	-0.1%
13.6%	979	992	13	1.3%
14.8%	863	851	-12	-1.4%
16.0%	857	810	-47	-5.5%
17.3%	747	789	43	5.7%
18.5%	735	788	54	7.3%
19.8%	731	784	53	7.2%
21.0%	727	761	33	4.6%
22.2%	715	758	43	6.0%
23.5%	702	752	50	7.2%
24.7%	686	739	53	7.8%
25.9%	675	699	24	3.6%
27.2%	670	664	-6	-0.9%
28.4%	670	655	-15	-2.3%
29.6%	670	651	-18	-2.7%
30.9%	666	650	-16	-2.4%
32.1%	653	640	-14	-2.1%
33.3%	645	632	-13	-2.0%
34.6%	642	625	-16	-2.5%
35.8%	634	609	-26	-4.1%
37.0%	611	598	-13	-2.1%
38.3%	571	594	23	4.0%
39.5%	525	594	68	13.0%
40.7%	511	585	75	14.6%
42.0%	506	505	-1	-0.1%
43.2%	500	493	-7	-1.4%
44.4%	497	472	-25	-5.1%
45.7%	473	457	-16	-3.4%
46.9%	469	438	-31	-6.6%
48.1%	468	426	-41	-8.9%
49.4%	426	424	-2	-0.5%
50.6%	422	419	-3	-0.6%
51.9%	414	404	-10	-2.5%
53.1%	409	377	-32	-7.7%
54.3%	408	373	-35	-8.5%
55.6%	394	370	-23	-5.9%
56.8%	368	344	-24	-6.4%
58.0%	357	339	-18	-5.0%
59.3%	353	335	-19	-5.3%
60.5%	342	328	-15	-4.3%
61.7%	340	326	-14	-4.2%
63.0%	318	313	-5	-1.7%
64.2%	312	292	-19	-6.2%
65.4%	296	281	-15	-5.0%
66.7%	291	275	-16	-5.4%
67.9%	272	269	-2	-0.9%
69.1%	263	267	5	1.7%
70.4%	262	257	-6	-2.1%
71.6%	260	254	-6	-2.3%
72.8%	253	234	-19	-7.4%
74.1%	249	234	-15	-6.2%
75.3%	248	232	-16	-6.3%
76.5%	247	231	-16	-6.3%
77.8%	246	228	-18	-7.1%
79.0%	238	219	-19	-8.0%
80.2%	231	210	-22	-9.3%
81.5%	216	208	-8	-3.6%
82.7%	213	205	-7	-3.4%
84.0%	212	188	-24	-11.5%
85.2%	211	175	-35	-16.8%
86.4%	209	171	-38	-18.3%
87.7%	202	161	-41	-20.3%
88.9%	198	154	-44	-22.3%
90.1%	192	154	-37	-19.6%
91.4%	188	152	-36	-18.9%
92.6%	173	132	-41	-23.9%
93.8%	169	130	-39	-22.9%
95.1%	167	109	-58	-34.5%
96.3%	159	109	-50	-31.6%
97.5%	146	100	-46	-31.4%
98.8%	134	100	-34	-25.1%
100.0%	100	100	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,290	1,270	-20	-1.5%
1.2%	1,092	1,261	169	15.4%
2.5%	1,063	1,111	48	4.5%
3.7%	1,048	1,097	49	4.7%
4.9%	1,022	1,019	-3	-0.3%
6.2%	1,014	997	-17	-1.7%
7.4%	1,009	977	-32	-3.2%
8.6%	913	971	58	6.4%
9.9%	894	921	28	3.1%
11.1%	859	875	16	1.9%
12.3%	806	829	23	2.9%
13.6%	781	809	28	3.6%
14.8%	771	806	35	4.5%
16.0%	750	763	13	1.7%
17.3%	742	742	-1	-0.1%
18.5%	741	708	-33	-4.5%
19.8%	686	705	19	2.7%
21.0%	662	700	37	5.6%
22.2%	638	688	50	7.8%
23.5%	627	684	57	9.0%
24.7%	624	655	31	4.9%
25.9%	622	639	17	2.8%
27.2%	616	631	15	2.5%
28.4%	608	621	12	2.0%
29.6%	604	609	5	0.8%
30.9%	602	605	3	0.5%
32.1%	600	602	2	0.3%
33.3%	596	601	5	0.9%
34.6%	592	591	-1	-0.2%
35.8%	588	585	-4	-0.6%
37.0%	558	584	26	4.7%
38.3%	557	579	22	3.9%
39.5%	545	578	33	6.1%
40.7%	530	576	46	8.6%
42.0%	530	571	41	7.8%
43.2%	522	567	46	8.7%
44.4%	493	541	48	9.8%
45.7%	480	528	48	10.0%
46.9%	474	521	47	9.9%
48.1%	473	520	48	10.1%
49.4%	470	516	46	9.9%
50.6%	442	494	52	11.8%
51.9%	433	491	59	13.6%
53.1%	425	468	43	10.1%
54.3%	420	461	41	9.8%
55.6%	418	453	35	8.4%
56.8%	418	437	19	4.6%
58.0%	414	436	23	5.5%
59.3%	413	427	15	3.5%
60.5%	372	408	36	9.7%
61.7%	367	405	38	10.4%
63.0%	343	389	47	13.6%
64.2%	342	382	41	11.9%
65.4%	337	360	23	6.8%
66.7%	333	332	-1	-0.2%
67.9%	331	325	-7	-2.0%
69.1%	330	315	-15	-4.5%
70.4%	329	302	-27	-8.2%
71.6%	326	299	-27	-8.3%
72.8%	319	296	-23	-7.2%
74.1%	313	296	-16	-5.2%
75.3%	308	286	-22	-7.2%
76.5%	302	285	-17	-5.5%
77.8%	297	285	-12	-4.1%
79.0%	278	274	-4	-1.3%
80.2%	274	259	-14	-5.3%
81.5%	262	257	-5	-1.9%
82.7%	251	255	3	1.3%
84.0%	245	253	8	3.2%
85.2%	244	253	10	3.9%
86.4%	230	240	10	4.2%
87.7%	202	230	28	13.7%
88.9%	201	230	29	14.5%
90.1%	191	221	31	16.1%
91.4%	182	219	37	20.3%
92.6%	180	214	35	19.3%
93.8%	179	214	35	19.4%
95.1%	177	214	37	20.7%
96.3%	162	200	38	23.5%
97.5%	147	199	52	35.3%
98.8%	100	168	68	67.9%
100.0%	100	145	45	45.0%

Figure SW-42-b
San Luis Reservoir (SWP and CVP), End of Month Elevation
Probability of Exceedance

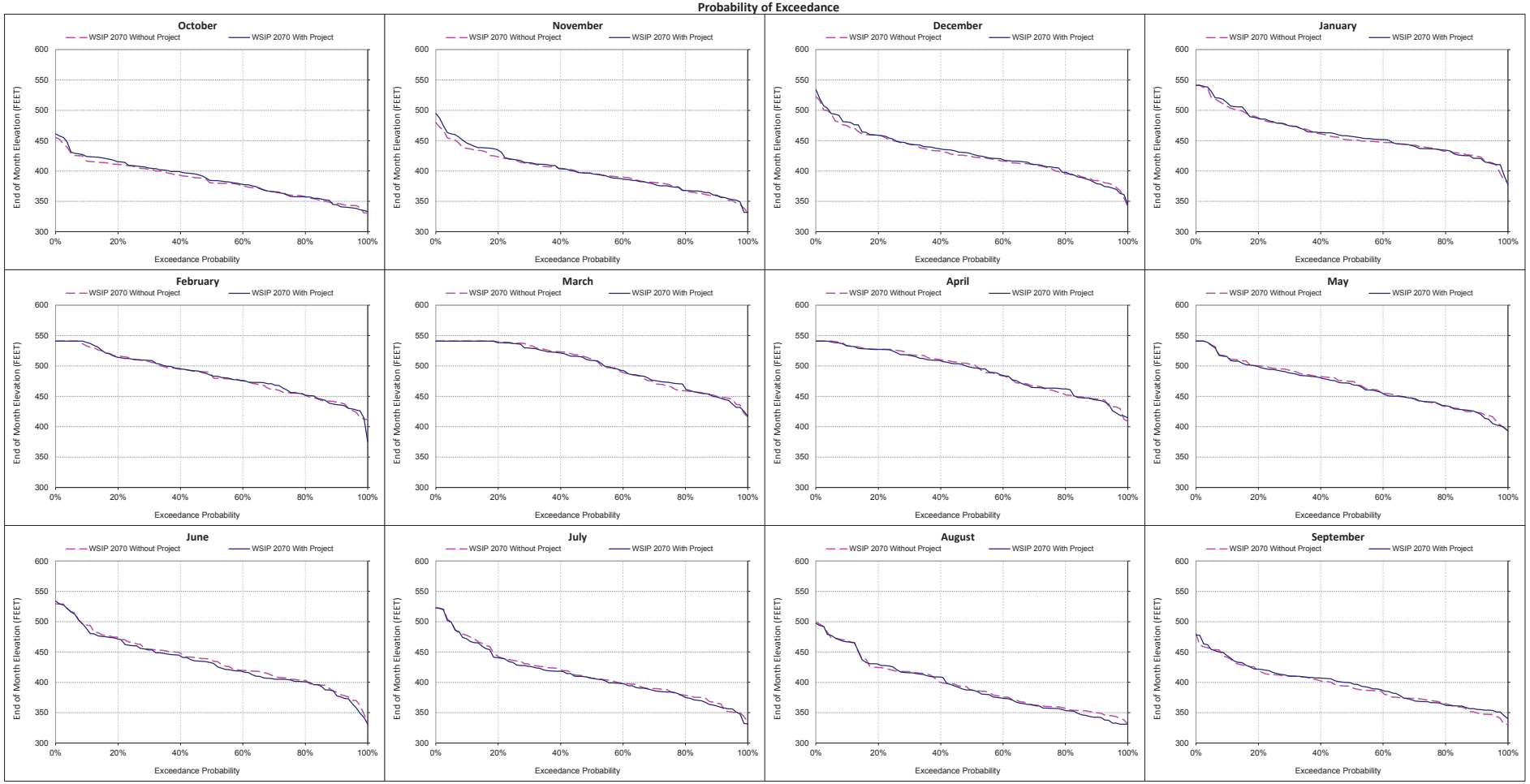


Table SW-42-b

San Luis Reservoir (SWP and CVP), End of Month Elevation

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	455	461	6	1.3%
1.2%	452	458	5	1.2%
2.5%	444	455	11	2.4%
3.7%	439	448	8	1.9%
4.9%	429	431	2	0.5%
6.2%	425	429	4	0.8%
7.4%	425	428	3	0.8%
8.6%	425	427	2	0.5%
9.9%	416	424	7	1.8%
11.1%	416	423	8	1.9%
12.3%	415	423	8	2.0%
13.6%	414	423	8	2.0%
14.8%	414	422	8	1.9%
16.0%	414	421	7	1.7%
17.3%	412	419	7	1.7%
18.5%	411	418	7	1.6%
19.8%	411	415	4	1.0%
21.0%	411	415	4	1.1%
22.2%	409	414	5	1.2%
23.5%	409	409	0	0.0%
24.7%	408	409	1	0.2%
25.9%	406	408	2	0.4%
27.2%	404	407	3	0.7%
28.4%	404	407	3	0.6%
29.6%	403	405	2	0.5%
30.9%	403	404	2	0.4%
32.1%	400	404	4	1.0%
33.3%	400	402	2	0.6%
34.6%	399	402	2	0.6%
35.8%	397	401	4	1.0%
37.0%	395	399	4	1.0%
38.3%	394	399	5	1.3%
39.5%	394	399	5	1.4%
40.7%	392	397	5	1.4%
42.0%	391	396	5	1.4%
43.2%	391	396	5	1.3%
44.4%	389	395	6	1.5%
45.7%	388	394	5	1.4%
46.9%	388	392	3	0.9%
48.1%	387	389	2	0.5%
49.4%	380	384	4	1.0%
50.6%	380	384	4	1.1%
51.9%	380	384	4	1.1%
53.1%	380	383	4	1.0%
54.3%	380	382	3	0.7%
55.6%	380	382	3	0.7%
56.8%	379	381	1	0.4%
58.0%	379	380	2	0.4%
59.3%	376	379	2	0.5%
60.5%	375	377	2	0.7%
61.7%	373	377	4	1.0%
63.0%	373	376	3	0.8%
64.2%	372	374	2	0.5%
65.4%	372	371	-1	-0.3%
66.7%	369	369	0	-0.1%
67.9%	367	367	0	0.0%
69.1%	366	366	0	0.0%
70.4%	366	365	-1	-0.1%
71.6%	365	364	-1	-0.4%
72.8%	365	363	-1	-0.4%
74.1%	361	361	0	-0.1%
75.3%	360	358	-2	-0.6%
76.5%	360	358	-2	-0.7%
77.8%	360	358	-2	-0.6%
79.0%	359	358	-1	-0.4%
80.2%	357	357	0	-0.1%
81.5%	355	357	2	0.5%
82.7%	355	355	1	0.2%
84.0%	353	355	2	0.5%
85.2%	350	354	3	0.9%
86.4%	350	353	3	0.7%
87.7%	348	352	3	0.9%
88.9%	347	345	-3	-0.8%
90.1%	347	344	-2	-0.6%
91.4%	346	341	-5	-1.3%
92.6%	344	340	-3	-1.0%
93.8%	343	340	-3	-0.9%
95.1%	343	339	-4	-1.1%
96.3%	343	338	-5	-1.3%
97.5%	339	336	-3	-1.0%
98.8%	331	335	4	1.3%
100.0%	331	333	2	0.7%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	480	495	15	3.0%
1.2%	472	487	15	3.2%
2.5%	467	475	8	1.7%
3.7%	454	463	9	1.9%
4.9%	453	461	9	1.9%
6.2%	451	460	9	2.0%
7.4%	446	456	10	2.2%
8.6%	438	451	12	2.8%
9.9%	437	446	9	2.1%
11.1%	436	444	7	1.6%
12.3%	434	441	6	1.4%
13.6%	434	439	4	1.0%
14.8%	433	438	5	1.2%
16.0%	432	438	6	1.5%
17.3%	426	438	12	2.9%
18.5%	425	437	12	2.8%
19.8%	424	435	11	2.6%
21.0%	421	431	10	2.3%
22.2%	421	422	1	0.2%
23.5%	421	420	-1	-0.2%
24.7%	419	419	1	0.2%
25.9%	417	418	2	0.4%
27.2%	414	417	3	0.7%
28.4%	413	414	1	0.2%
29.6%	412	413	1	0.3%
30.9%	412	413	2	0.4%
32.1%	411	412	1	0.2%
33.3%	408	411	3	0.7%
34.6%	408	411	3	0.8%
35.8%	407	410	3	0.8%
37.0%	407	409	2	0.5%
38.3%	407	409	2	0.5%
39.5%	404	404	0	-0.1%
40.7%	404	404	0	-0.1%
42.0%	403	403	0	0.0%
43.2%	403	400	-2	-0.6%
44.4%	401	400	-1	-0.2%
45.7%	398	398	-1	-0.1%
46.9%	398	397	-1	-0.1%
48.1%	396	397	0	0.0%
49.4%	396	397	0	0.0%
50.6%	396	395	-1	-0.3%
51.9%	395	395	0	-0.1%
53.1%	394	393	-1	-0.1%
54.3%	392	392	0	0.1%
55.6%	392	390	-2	-0.4%
56.8%	391	388	-3	-0.7%
58.0%	391	388	-2	-0.6%
59.3%	390	388	-3	-0.7%
60.5%	389	386	-3	-0.8%
61.7%	389	386	-3	-0.9%
63.0%	387	384	-3	-0.7%
64.2%	385	384	-1	-0.3%
65.4%	384	383	-1	-0.3%
66.7%	382	382	0	0.1%
67.9%	382	381	-1	-0.3%
69.1%	381	380	-1	-0.4%
70.4%	381	377	-3	-0.9%
71.6%	380	376	-5	-1.3%
72.8%	379	376	-4	-1.0%
74.1%	379	376	-3	-0.8%
75.3%	376	374	-2	-0.6%
76.5%	374	373	-1	-0.3%
77.8%	374	373	-1	-0.3%
79.0%	369	368	-1	-0.2%
80.2%	367	368	1	0.3%
81.5%	366	368	2	0.5%
82.7%	365	367	2	0.7%
84.0%	363	367	3	1.0%
85.2%	363	366	4	1.0%
86.4%	361	365	3	0.9%
87.7%	360	364	5	1.3%
88.9%	359	360	1	0.3%
90.1%	359	360	1	0.4%
91.4%	358	356	-2	-0.4%
92.6%	355	356	1	0.2%
93.8%	352	354	3	0.7%
95.1%	351	353	2	0.4%
96.3%	347	352	5	1.4%
97.5%	345	349	4	1.2%
98.8%	339	332	-7	-2.0%
100.0%	331	332	1	0.3%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	523	534	12	2.2%
1.2%	516	519	3	0.6%
2.5%	501	507	7	1.3%
3.7%	499	503	4	0.8%
4.9%	494	495	1	0.2%
6.2%	483	494	11	2.3%
7.4%	480	492	11	2.3%
8.6%	476	481	5	1.2%
9.9%	475	481	6	1.3%
11.1%	471	480	9	1.9%
12.3%	471	476	5	1.1%
13.6%	465	476	11	2.4%
14.8%	461	464	3	0.6%
16.0%	460	464	4	0.8%
17.3%	460	460	0	0.1%
18.5%	460	459	0	0.0%
19.8%	459	459	0	0.0%
21.0%	458	458	0	0.0%
22.2%	455	457	2	0.5%
23.5%	452	454	3	0.6%
24.7%	450	453	3	0.6%
25.9%	449	449	0	0.0%
27.2%	447	447	1	0.1%
28.4%	446	447	1	0.2%
29.6%	445	444	-1	-0.1%
30.9%	444	443	-1	-0.2%
32.1%	442	443	1	0.1%
33.3%	438	443	4	1.0%
34.6%	437	440	3	0.7%
35.8%	436	440	4	0.9%
37.0%	434	439	5	1.2%
38.3%	433	438	4	1.0%
39.5%	433	437	3	0.8%
40.7%	431	435	4	1.0%
42.0%	431	435	4	1.0%
43.2%	428	435	7	1.6%
44.4%	427	433	6	1.3%
45.7%	426	431	5	1.2%
46.9%	426	431	5	1.1%
48.1%	425	430	5	1.2%
49.4%	425	429	4	1.0%
50.6%	423	427	4	1.0%
51.9%	422	425	3	0.7%
53.1%	422	424	2	0.5%
54.3%	422	423	1	0.3%
55.6%	420	421	1	0.3%
56.8%	419	421	1	0.3%
58.0%	418	420	2	0.5%
59.3%	417	420	3	0.8%
60.5%	416	417	1	0.3%
61.7%	415	417	2	0.5%
63.0%	413	416	3	0.7%
64.2%	413	416	3	0.7%
65.4%	412	416	4	0.9%
66.7%	412	415	3	0.7%
67.9%	412	415	3	0.7%
69.1%	412	411	0	-0.1%
70.4%	410	411	1	0.3%
71.6%	409	410	1	0.4%
72.8%	408	408	1	0.2%
74.1%	406	407	1	0.3%
75.3%	405	407	2	0.5%
76.5%	400	406	5	1.3%
77.8%	399	405	6	1.6%
79.0%	396	398	2	0.5%
80.2%	395	398	2	0.6%
81.5%	395	394	0	-0.1%
82.7%	395	394	-1	-0.2%
84.0%	393	390	-3	-0.8%
85.2%	390	389	-1	-0.3%
86.4%	389	387	-2	-0.4%
87.7%	389	385	-3	-0.8%
88.9%	384	382	-2	-0.6%
90.1%	384	379	-5	-1.3%
91.4%	384	378	-6	-1.5%
92.6%	381	374	-6	-1.7%
93.8%	380	374	-6	-1.5%
95.1%	378	372	-6	-1.5%
96.3%	373	370	-3	-0.9%
97.5%	367	363	-4	-1.2%
98.8%	355	361	6	1.6%
100.0%	341	344	3	1.0%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	538	539	2	0.4%
3.7%	537	538	2	0.3%
4.9%	521	531	11	2.0%
6.2%	519	521	2	0.5%
7.4%	515	520	6	1.1%
8.6%	511	518	7	1.4%
9.9%	507	513	6	1.2%
11.1%	503	507	4	0.7%
12.3%	502	506	5	0.9%
13.6%	500	506	5	1.1%
14.8%	499	506	7	1.4%
16.0%	495	498	3	0.6%
17.3%	491	490	-2	-0.4%
18.5%	490	488	-2	-0.4%
19.8%	488	487	-1	-0.3%
21.0%	484	486	1	0.3%
22.2%	483	485	3	0.6%
23.5%	481	483	2	0.3%
24.7%	480	481	2	0.3%
25.9%	479	479	0	-0.1%
27.2%	479	479	0	-0.1%
28.4%	476	478	1	0.3%
29.6%	475	475	0	-0.1%
30.9%	474	474	0	-0.1%
32.1%	474	474	0	0.0%
33.3%	470	471	0	0.0%
34.6%	470	469	-1	-0.3%
35.8%	468	465	-3	-0.7%
37.0%	466	464	-1	-0.3%
38.3%	463	464	2	0.3%
39.5%	462	463	2	0.4%
40.7%	460	463	3	0.6%
42.0%	460	463	3	0.7%
43.2%	457	463	6	1.3%
44.4%	456	462	5	1.2%
45.7%	456	459	4	0.8%
46.9%	452	458	6	1.3%
48.1%	452	458	6	1.4%
49.4%	451	457	6	1.4%
50.6%	451	457	6	1.2%
51.9%	451	456	5	1.0%
53.1%	449	454	5	1.1%
54.3%	449	454	4	1.0%
55.6%	449	453	4	1.0%
56.8%	449	453	4	0.8%
58.0%	448	452	4	0.9%
59.3%	448	452	4	1.0%
60.5%	447	452	5	1.0%
61.7%	447	451	4	0.9%
63.0%	447	447	0	0.0%
64.2%	445	445	0	0.0%
65.4%	444	445	0	0.0%
66.7%	444	444	0	0.0%
67.9%	443	444	0	0.0%
69.1%	442	442	0	-0.1%
70.4%	442	440	-2	-0.5%
71.6%	440	437	-3	-0.7%
72.8%	440	437	-3	-0.6%
74.1%	439	437	-2	-0.4%
75.3%	438	437	-2	-0.4%
76.5%	436	436	1	0.1%
77.8%	435	436	0	0.1%
79.0%	433	435	2	0.4%
80.2%	432	434	2	0.5%
81.5%	432	433	1	0.2%
82.7%	430	428	-2	-0.5%
84.0%	430	426	-3	-0.8%
85.2%	429	425	-4	-0.9%
86.4%	427	425	-2	-0.4%
87.7%	426	425	-1	-0.2%
88.9%	425	421	-4	-1.0%
90.1%	424	421	-3	-0.8%
91.4%	423	420	-3	-0.6%
92.6%	416	415	-1	-0.3%
93.8%	415	414	-1	-0.3%
95.1%	413	412	-2	-0.4%
96.3%	410	411	1	0.3%
97.5%	396	410	14	3.5%
98.8%	385	393	8	2.1%
100.0%	381	378	-4	-0.9%

Table SW-42-b

San Luis Reservoir (SWP and CVP), End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	541	541	0	0.0%
4.9%	541	541	0	0.0%
6.2%	541	541	0	0.0%
7.4%	541	541	0	0.1%
8.6%	537	541	4	0.8%
9.9%	533	539	6	1.1%
11.1%	531	537	6	1.2%
12.3%	530	534	4	0.7%
13.6%	526	531	5	0.9%
14.8%	525	526	1	0.1%
16.0%	522	521	0	0.0%
17.3%	520	520	0	-0.1%
18.5%	517	516	-1	-0.2%
19.8%	516	514	-2	-0.4%
21.0%	516	514	-2	-0.4%
22.2%	515	512	-3	-0.5%
23.5%	514	512	-2	-0.3%
24.7%	511	511	0	-0.1%
25.9%	510	510	-1	-0.1%
27.2%	510	510	-1	-0.1%
28.4%	509	510	1	0.2%
29.6%	508	509	2	0.3%
30.9%	506	509	3	0.7%
32.1%	505	504	-1	-0.2%
33.3%	501	503	2	0.4%
34.6%	499	501	2	0.4%
35.8%	497	500	2	0.5%
37.0%	497	499	2	0.4%
38.3%	496	496	0	0.0%
39.5%	495	496	1	0.3%
40.7%	494	495	1	0.1%
42.0%	494	494	0	0.1%
43.2%	493	493	0	0.0%
44.4%	491	492	1	0.2%
45.7%	491	492	1	0.2%
46.9%	491	489	-2	-0.3%
48.1%	490	488	-2	-0.5%
49.4%	490	485	-4	-0.9%
50.6%	480	483	3	0.7%
51.9%	480	483	4	0.7%
53.1%	480	481	2	0.3%
54.3%	479	480	1	0.3%
55.6%	479	480	1	0.2%
56.8%	478	478	-1	-0.2%
58.0%	478	477	-1	-0.2%
59.3%	476	476	1	0.1%
60.5%	475	476	1	0.1%
61.7%	474	474	0	-0.1%
63.0%	471	473	2	0.4%
64.2%	471	473	2	0.5%
65.4%	469	473	4	0.9%
66.7%	468	472	4	0.9%
67.9%	464	471	7	1.6%
69.1%	461	471	9	2.0%
70.4%	461	468	7	1.5%
71.6%	460	468	8	1.7%
72.8%	457	464	7	1.5%
74.1%	456	461	4	0.9%
75.3%	455	456	1	0.2%
76.5%	455	456	1	0.2%
77.8%	455	455	0	-0.1%
79.0%	454	454	0	-0.1%
80.2%	451	452	1	0.1%
81.5%	448	451	3	0.6%
82.7%	448	451	3	0.6%
84.0%	446	446	0	0.1%
85.2%	443	445	2	0.4%
86.4%	442	444	1	0.3%
87.7%	442	438	-4	-0.8%
88.9%	442	438	-4	-0.9%
90.1%	440	436	-4	-1.0%
91.4%	439	436	-4	-0.8%
92.6%	437	434	-3	-0.7%
93.8%	431	430	0	-0.1%
95.1%	427	429	2	0.5%
96.3%	424	428	4	0.9%
97.5%	415	426	11	2.5%
98.8%	413	414	1	0.3%
100.0%	412	375	-36	-8.8%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	541	541	0	0.0%
4.9%	541	541	0	0.0%
6.2%	541	541	0	0.0%
7.4%	541	541	0	0.0%
8.6%	541	541	0	0.0%
9.9%	541	541	0	0.0%
11.1%	541	541	0	0.0%
12.3%	541	541	0	0.0%
13.6%	541	541	0	0.0%
14.8%	541	541	0	0.0%
16.0%	541	541	0	0.0%
17.3%	541	541	0	0.0%
18.5%	541	541	0	0.0%
19.8%	540	538	-1	-0.3%
21.0%	540	538	-2	-0.3%
22.2%	539	538	-1	-0.2%
23.5%	539	538	-1	-0.2%
24.7%	538	537	-1	-0.1%
25.9%	538	536	-1	-0.2%
27.2%	537	536	-2	-0.3%
28.4%	537	530	-7	-1.4%
29.6%	533	530	-3	-0.6%
30.9%	533	529	-4	-0.8%
32.1%	530	528	-1	-0.3%
33.3%	528	526	-2	-0.3%
34.6%	528	525	-3	-0.5%
35.8%	526	523	-3	-0.5%
37.0%	524	523	-1	-0.3%
38.3%	524	522	-1	-0.3%
39.5%	524	522	-2	-0.3%
40.7%	523	521	-2	-0.4%
42.0%	522	519	-3	-0.6%
43.2%	521	516	-4	-0.8%
44.4%	519	516	-3	-0.5%
45.7%	518	516	-3	-0.6%
46.9%	516	515	-1	-0.3%
48.1%	515	511	-4	-0.7%
49.4%	512	509	-3	-0.6%
50.6%	511	509	-2	-0.3%
51.9%	507	509	2	0.3%
53.1%	500	504	4	0.8%
54.3%	498	499	1	0.2%
55.6%	497	498	1	0.3%
56.8%	497	496	-1	-0.2%
58.0%	497	495	-1	-0.2%
59.3%	490	493	3	0.6%
60.5%	488	492	3	0.7%
61.7%	487	487	-1	-0.1%
63.0%	486	486	0	0.1%
64.2%	484	485	1	0.2%
65.4%	483	484	0	0.1%
66.7%	479	483	4	0.9%
67.9%	476	480	5	1.0%
69.1%	476	477	1	0.2%
70.4%	470	476	5	1.2%
71.6%	470	475	5	1.0%
72.8%	469	474	4	1.0%
74.1%	467	473	6	1.3%
75.3%	466	473	7	1.4%
76.5%	462	471	9	2.0%
77.8%	460	471	11	2.4%
79.0%	459	470	11	2.4%
80.2%	459	461	2	0.5%
81.5%	458	460	2	0.4%
82.7%	458	458	0	-0.1%
84.0%	457	456	0	0.0%
85.2%	456	455	-1	-0.3%
86.4%	453	455	1	0.3%
87.7%	452	454	1	0.3%
88.9%	452	450	-2	-0.5%
90.1%	450	449	-1	-0.2%
91.4%	448	447	-1	-0.3%
92.6%	448	445	-3	-0.7%
93.8%	447	443	-4	-0.8%
95.1%	445	437	-8	-1.8%
96.3%	436	432	-5	-1.1%
97.5%	436	432	-4	-1.0%
98.8%	422	425	3	0.8%
100.0%	416	417	0	0.1%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	541	541	0	0.0%
4.9%	541	540	-1	-0.2%
6.2%	540	538	-2	-0.4%
7.4%	539	538	-1	-0.2%
8.6%	538	536	-2	-0.3%
9.9%	533	533	0	0.0%
11.1%	533	532	-1	-0.1%
12.3%	532	532	0	0.0%
13.6%	532	529	-3	-0.5%
14.8%	530	529	-1	-0.2%
16.0%	528	528	0	-0.1%
17.3%	528	527	-1	-0.1%
18.5%	528	527	0	-0.1%
19.8%	528	527	0	-0.1%
21.0%	527	527	0	0.0%
22.2%	527	527	0	0.0%
23.5%	527	527	0	-0.1%
24.7%	527	525	-2	-0.5%
25.9%	526	522	-4	-0.7%
27.2%	525	519	-6	-1.2%
28.4%	524	519	-5	-0.9%
29.6%	519	518	-1	-0.2%
30.9%	518	517	-2	-0.3%
32.1%	518	515	-3	-0.5%
33.3%	517	513	-5	-1.0%
34.6%	517	512	-5	-1.0%
35.8%	514	510	-4	-0.7%
37.0%	512	510	-2	-0.4%
38.3%	512	509	-2	-0.4%
39.5%	511	509	-1	-0.3%
40.7%	510	507	-2	-0.4%
42.0%	509	506	-2	-0.5%
43.2%	508	505	-3	-0.6%
44.4%	507	504	-3	-0.6%
45.7%	507	504	-3	-0.6%
46.9%	505	503	-2	-0.4%
48.1%	505	500	-4	-0.9%
49.4%	503	498	-5	-0.9%
50.6%	502	497	-5	-1.1%
51.9%	498	497	-1	-0.3%
53.1%	492	495	3	0.6%
54.3%	489	495	6	1.2%
55.6%	489	490	2	0.3%
56.8%	488	489	1	0.1%
58.0%	487	488	1	0.3%
59.3%	484	485	1	0.3%
60.5%	483	484	0	0.0%
61.7%	481	483	3	0.6%
63.0%	477	477	1	0.1%
64.2%	472	476	4	0.8%
65.4%	472	472	1	0.2%
66.7%	471	469	-2	-0.4%
67.9%	470	468	-2	-0.4%
69.1%	467	465	-3	-0.6%
70.4%	467	464	-3	-0.6%
71.6%	466	464	-2	-0.4%
72.8%	464	464	-1	-0.2%
74.1%	461	464	3	0.7%
75.3%	460	463	3	0.6%
76.5%	459	463	5	1.0%
77.8%	456	463	6	1.4%
79.0%	455	462	7	1.6%
80.2%	452	462	10	2.1%
81.5%	452	461	9	2.0%
82.7%	451	451	1	0.1%
84.0%	449	448	-1	-0.3%
85.2%	449	448	-1	-0.3%
86.4%	446	447	1	0.3%
87.7%	446	447	1	0.3%
88.9%	446	445	-1	-0.3%
90.1%	446	444	-2	-0.4%
91.4%	445	443	-2	-0.5%
92.6%	444	441	-3	-0.6%
93.8%	434	437	3	0.6%
95.1%	433	426	-6	-1.5%
96.3%	433	422	-10	-2.4%
97.5%	430	418	-11	-2.6%
98.8%	412	418	6	1.4%
100.0%	409	414	5	1.3%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	541	541	0	0.0%
1.2%	541	541	0	0.0%
2.5%	541	541	0	0.0%
3.7%	539	539	0	0.0%
4.9%	535	534	-1	-0.1%
6.2%	532	530	-2	-0.3%
7.4%	518	517	-1	-0.2%
8.6%	517	516	-1	-0.2%
9.9%	516	515	-1	-0.1%
11.1%	511	509	-2	-0.4%
12.3%	511	508	-3	-0.5%
13.6%	510	508	-2	-0.3%
14.8%	509	505	-4	-0.8%
16.0%	508	502	-7	-1.3%
17.3%	502	502	0	-0.1%
18.5%	501	501	0	0.1%
19.8%	500	500	-1	-0.2%
21.0%	500	497	-3	-0.5%
22.2%	500	496	-4	-0.8%
23.5%	498	494	-3	-0.7%
24.7%	496	494	-2	-0.4%
25.9%	496	493	-2	-0.5%
27.2%	495	492	-3	-0.7%
28.4%	495	491	-4	-0.8%
29.6%	493	489	-5	-0.9%
30.9%	492	488	-4	-0.8%
32.1%	490	487	-4	-0.8%
33.3%	487	484	-3	-0.6%
34.6%	486	484	-2	-0.4%
35.8%	486	484	-2	-0.4%
37.0%	485	483	-2	-0.4%
38.3%	483	482	-1	-0.2%
39.5%	483	481	-2	-0.4%
40.7%	482	479	-3	-0.5%
42.0%	482	478	-4	-0.8%
43.2%	481	477	-4	-0.8%
44.4%	481	476	-5	-1.0%
45.7%	476	473	-3	-0.7%
46.9%	476	472	-4	-0.8%
48.1%	475	472	-3	-0.7%
49.4%	475	471	-4	-0.7%
50.6%	474	469	-6	-1.2%
51.9%	469	468	-1	-0.1%
53.1%	467	465	-2	-0.4%
54.3%	463	461	-3	-0.5%
55.6%	461	460	-1	-0.2%
56.8%	461	460	-1	-0.3%
58.0%	461	459	-2	-0.5%
59.3%	457	457	0	0.0%
60.5%	455	453	-2	-0.5%
61.7%	454	451	-4	-0.8%
63.0%	453	450	-3	-0.6%
64.2%	452	450	-2	-0.4%
65.4%	449	450	1	0.2%
66.7%	449	449	0	0.1%
67.9%	448	448	0	0.0%
69.1%	447	447	-1	-0.2%
70.4%	444	446	2	0.4%
71.6%	442	443	0	0.1%
72.8%	442	442	0	0.0%
74.1%	441	441	0	0.1%
75.3%	440	441	1	0.1%
76.5%	438	440	2	0.5%
77.8%	438	438	0	-0.1%
79.0%	434	435	0	0.1%
80.2%	433	434	1	0.3%
81.5%	432	433	2	0.4%
82.7%	431	429	-1	-0.3%
84.0%	430	429	-1	-0.2%
85.2%	429	428	-1	-0.2%
86.4%	425	428	3	0.6%
87.7%	425	427	2	0.5%
88.9%	424	426	2	0.4%
90.1%	423	423	0	0.0%
91.4%	423	420	-3	-0.7%
92.6%	419	414	-5	-1.2%
93.8%	418	412	-6	-1.4%
95.1%	416	405	-11	-2.7%
96.3%	409	403	-6	-1.6%
97.5%	403	402	-1	-0.3%
98.8%	398	399	0	0.1%
100.0%	393	393	0	-0.1%

Table SW-42-b

San Luis Reservoir (SWP and CVP), End of Month Elevation
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	529	534	4	0.8%
1.2%	529	529	0	0.1%
2.5%	529	527	-2	-0.3%
3.7%	522	522	0	0.0%
4.9%	517	516	-1	-0.1%
6.2%	515	512	-3	-0.5%
7.4%	503	502	0	-0.1%
8.6%	496	496	1	0.1%
9.9%	495	488	-6	-1.3%
11.1%	493	480	-13	-2.6%
12.3%	482	480	-2	-0.5%
13.6%	482	477	-5	-1.1%
14.8%	478	476	-2	-0.5%
16.0%	477	475	-2	-0.4%
17.3%	476	474	-2	-0.5%
18.5%	475	473	-1	-0.3%
19.8%	475	472	-3	-0.6%
21.0%	471	470	-1	-0.3%
22.2%	470	462	-7	-1.6%
23.5%	466	461	-5	-1.1%
24.7%	466	460	-6	-1.2%
25.9%	463	460	-3	-0.7%
27.2%	463	456	-7	-1.4%
28.4%	457	455	-1	-0.3%
29.6%	455	454	-1	-0.3%
30.9%	454	453	-1	-0.2%
32.1%	453	449	-5	-1.1%
33.3%	453	448	-5	-1.0%
34.6%	452	448	-5	-1.0%
35.8%	451	447	-5	-1.0%
37.0%	451	446	-5	-1.1%
38.3%	450	445	-5	-1.0%
39.5%	449	445	-4	-1.0%
40.7%	445	441	-4	-1.0%
42.0%	442	441	-1	-0.2%
43.2%	442	438	-4	-0.9%
44.4%	441	435	-5	-1.2%
45.7%	440	435	-5	-1.1%
46.9%	439	435	-5	-1.0%
48.1%	439	434	-5	-1.1%
49.4%	438	433	-5	-1.2%
50.6%	435	431	-4	-0.9%
51.9%	434	425	-9	-2.0%
53.1%	430	424	-6	-1.4%
54.3%	427	421	-5	-1.2%
55.6%	426	421	-5	-1.1%
56.8%	422	420	-2	-0.6%
58.0%	421	419	-2	-0.5%
59.3%	420	419	-1	-0.3%
60.5%	419	417	-3	-0.7%
61.7%	419	416	-3	-0.7%
63.0%	419	413	-6	-1.4%
64.2%	418	410	-8	-2.0%
65.4%	418	410	-8	-2.0%
66.7%	416	407	-9	-2.2%
67.9%	415	407	-8	-1.9%
69.1%	412	406	-6	-1.4%
70.4%	409	405	-4	-1.0%
71.6%	408	405	-3	-0.8%
72.8%	408	405	-3	-0.7%
74.1%	407	404	-3	-0.7%
75.3%	405	404	-1	-0.3%
76.5%	405	402	-3	-0.8%
77.8%	404	401	-3	-0.7%
79.0%	404	401	-3	-0.6%
80.2%	403	401	-2	-0.5%
81.5%	398	400	2	0.5%
82.7%	397	396	-1	-0.3%
84.0%	396	396	0	0.0%
85.2%	395	394	-2	-0.4%
86.4%	395	387	-8	-2.0%
87.7%	390	387	-3	-0.7%
88.9%	386	386	0	0.0%
90.1%	383	378	-6	-1.5%
91.4%	380	376	-4	-1.0%
92.6%	378	373	-5	-1.3%
93.8%	376	373	-3	-0.7%
95.1%	370	365	-5	-1.5%
96.3%	370	358	-12	-3.2%
97.5%	362	349	-13	-3.6%
98.8%	348	342	-6	-1.6%
100.0%	334	332	-2	-0.6%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	523	523	0	0.0%
1.2%	522	523	1	0.2%
2.5%	521	519	-1	-0.3%
3.7%	504	502	-2	-0.4%
4.9%	499	499	0	0.0%
6.2%	487	486	-1	-0.2%
7.4%	482	484	2	0.4%
8.6%	480	474	-6	-1.2%
9.9%	477	472	-6	-1.2%
11.1%	475	467	-7	-1.5%
12.3%	472	465	-7	-1.4%
13.6%	467	465	-2	-0.4%
14.8%	464	459	-5	-1.0%
16.0%	461	456	-5	-1.1%
17.3%	459	454	-5	-1.2%
18.5%	448	441	-7	-1.5%
19.8%	444	440	-3	-0.7%
21.0%	440	440	-1	-0.1%
22.2%	439	438	-1	-0.1%
23.5%	437	434	-3	-0.7%
24.7%	436	433	-3	-0.8%
25.9%	435	429	-6	-1.5%
27.2%	435	428	-7	-1.6%
28.4%	431	428	-3	-0.7%
29.6%	430	426	-4	-0.9%
30.9%	427	425	-2	-0.5%
32.1%	427	424	-4	-0.8%
33.3%	426	423	-3	-0.7%
34.6%	426	421	-5	-1.2%
35.8%	424	419	-5	-1.1%
37.0%	424	419	-5	-1.2%
38.3%	424	418	-5	-1.2%
39.5%	421	418	-3	-0.7%
40.7%	419	418	-1	-0.3%
42.0%	419	415	-4	-1.1%
43.2%	417	415	-3	-0.6%
44.4%	412	410	-2	-0.5%
45.7%	412	410	-2	-0.4%
46.9%	411	410	-1	-0.3%
48.1%	409	409	-1	-0.2%
49.4%	407	408	1	0.2%
50.6%	406	406	0	0.0%
51.9%	405	405	0	0.0%
53.1%	405	405	0	-0.1%
54.3%	404	403	-2	-0.4%
55.6%	403	399	-4	-1.1%
56.8%	402	399	-3	-0.8%
58.0%	400	398	-2	-0.5%
59.3%	399	398	-1	-0.2%
60.5%	398	397	-1	-0.2%
61.7%	398	394	-3	-0.9%
63.0%	397	394	-3	-0.7%
64.2%	397	391	-5	-1.3%
65.4%	393	391	-3	-0.7%
66.7%	391	390	-1	-0.2%
67.9%	390	389	-1	-0.2%
69.1%	390	388	-2	-0.5%
70.4%	390	386	-4	-1.0%
71.6%	389	385	-4	-1.1%
72.8%	388	385	-4	-1.0%
74.1%	388	384	-4	-1.0%
75.3%	385	384	-1	-0.2%
76.5%	382	383	1	0.3%
77.8%	380	381	1	0.3%
79.0%	379	378	-2	-0.4%
80.2%	378	374	-4	-1.0%
81.5%	378	374	-4	-1.1%
82.7%	375	371	-4	-1.1%
84.0%	375	370	-5	-1.3%
85.2%	375	369	-6	-1.6%
86.4%	374	367	-7	-1.9%
87.7%	368	364	-5	-1.3%
88.9%	367	363	-5	-1.2%
90.1%	366	361	-5	-1.3%
91.4%	365	359	-6	-1.6%
92.6%	352	358	6	1.6%
93.8%	352	356	4	1.2%
95.1%	351	356	5	1.5%
96.3%	350	351	1	0.4%
97.5%	350	348	-2	-0.6%
98.8%	344	332	-11	-3.2%
100.0%	334	331	-3	-0.9%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	500	497	-3	-0.5%
1.2%	496	494	-2	-0.4%
2.5%	492	493	1	0.2%
3.7%	482	479	-3	-0.7%
4.9%	473	477	4	0.9%
6.2%	472	473	1	0.2%
7.4%	472	470	-2	-0.3%
8.6%	470	468	-2	-0.5%
9.9%	470	467	-3	-0.7%
11.1%	466	466	0	0.1%
12.3%	465	465	0	0.0%
13.6%	450	452	1	0.3%
14.8%	439	437	-1	-0.3%
16.0%	438	433	-5	-1.1%
17.3%	426	431	5	1.1%
18.5%	425	431	6	1.4%
19.8%	425	430	6	1.3%
21.0%	424	428	4	0.9%
22.2%	423	428	5	1.1%
23.5%	421	427	5	1.3%
24.7%	420	425	6	1.4%
25.9%	418	421	3	0.6%
27.2%	418	417	-1	-0.2%
28.4%	418	416	-2	-0.4%
29.6%	418	416	-2	-0.5%
30.9%	417	416	-2	-0.4%
32.1%	416	414	-2	-0.4%
33.3%	415	414	-1	-0.4%
34.6%	415	413	-2	-0.4%
35.8%	414	411	-3	-0.7%
37.0%	411	410	-2	-0.4%
38.3%	406	409	3	0.7%
39.5%	401	409	8	2.1%
40.7%	399	408	9	2.3%
42.0%	398	398	0	0.0%
43.2%	397	397	-1	-0.2%
44.4%	397	394	-3	-0.8%
45.7%	394	392	-2	-0.5%
46.9%	393	389	-4	-1.1%
48.1%	393	388	-6	-1.4%
49.4%	388	387	0	-0.1%
50.6%	387	387	0	-0.1%
51.9%	386	385	-1	-0.4%
53.1%	385	381	-5	-1.2%
54.3%	385	380	-5	-1.3%
55.6%	383	380	-3	-0.9%
56.8%	379	376	-4	-0.9%
58.0%	378	375	-3	-0.7%
59.3%	377	374	-3	-0.8%
60.5%	376	373	-2	-0.6%
61.7%	375	373	-2	-0.6%
63.0%	372	371	-1	-0.2%
64.2%	371	368	-3	-0.8%
65.4%	368	366	-2	-0.7%
66.7%	367	365	-3	-0.7%
67.9%	364	364	0	-0.1%
69.1%	363	363	1	0.2%
70.4%	363	362	-1	-0.3%
71.6%	362	361	-1	-0.3%
72.8%	361	358	-3	-0.9%
74.1%	360	358	-3	-0.8%
75.3%	360	357	-3	-0.8%
76.5%	360	357	-3	-0.8%
77.8%	360	357	-3	-0.9%
79.0%	358	355	-3	-1.0%
80.2%	357	353	-4	-1.1%
81.5%	354	353	-1	-0.4%
82.7%	354	352	-1	-0.4%
84.0%	354	349	-5	-1.3%
85.2%	353	347	-7	-1.9%
86.4%	353	346	-7	-2.1%
87.7%	352	344	-8	-2.3%
88.9%	351	342	-9	-2.5%
90.1%	350	342	-7	-2.1%
91.4%	349	342	-7	-2.0%
92.6%	346	338	-8	-2.4%
93.8%	345	337	-8	-2.3%
95.1%	345	333	-12	-3.5%
96.3%	343	333	-11	-3.1%
97.5%	341	331	-10	-2.9%
98.8%	338	331	-7	-2.1%
100.0%	331	331	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	480	478	-2	-0.4%
1.2%	461	478	16	3.5%
2.5%	459	463	5	1.0%
3.7%	457	462	5	1.1%
4.9%	455	454	0	-0.1%
6.2%	454	452	-2	-0.4%
7.4%	453	450	-3	-0.7%
8.6%	444	450	6	1.3%
9.9%	442	445	3	0.6%
11.1%	438	440	2	0.4%
12.3%	433	435	2	0.6%
13.6%	430	433	3	0.7%
14.8%	429	433	4	0.9%
16.0%	427	428	1	0.3%
17.3%	426	426	0	0.0%
18.5%	426	422	-4	-0.9%
19.8%	420	422	2	0.5%
21.0%	417	421	4	1.0%
22.2%	414	420	6	1.4%
23.5%	413	419	6	1.6%
24.7%	413	416	4	0.9%
25.9%	412	414	2	0.5%
27.2%	412	413	2	0.4%
28.4%	411	412	1	0.3%
29.6%	410	411	1	0.1%
30.9%	410	410	0	0.1%
32.1%	410	410	0	0.1%
33.3%	409	410	1	0.1%
34.6%	409	409	0	0.0%
35.8%	408	408	0	-0.1%
37.0%	405	408	3	0.8%
38.3%	405	407	3	0.7%
39.5%	403	407	4	1.0%
40.7%	401	407	6	1.4%
42.0%	401	406	5	1.3%
43.2%	400	406	6	1.4%
44.4%	397	403	6	1.5%
45.7%	395	401	6	1.6%
46.9%	394	400	6	1.5%
48.1%	394	400	6	1.6%
49.4%	394	400	6	1.5%
50.6%	390	397	7	1.8%
51.9%	389	396	8	2.0%
53.1%	388	393	6	1.5%
54.3%	387	392	6	1.4%
55.6%	387	391	5	1.2%
56.8%	387	389	3	0.7%
58.0%	386	389	3	0.8%
59.3%	386	388	2	0.5%
60.5%	380	385	5	1.4%
61.7%	379	385	6	1.5%
63.0%	376	382	7	1.8%
64.2%	375	381	6	1.6%
65.4%	375	378	3	0.9%
66.7%	374	374	0	0.0%
67.9%	374	373	-1	-0.3%
69.1%	374	371	-2	-0.6%
70.4%	374	369	-4	-1.1%
71.6%	373	369	-4	-1.2%
72.8%	372	368	-4	-1.0%
74.1%	371	368	-3	-0.7%
75.3%	370	367	-4	-1.0%
76.5%	369	366	-3	-0.7%
77.8%	368	366	-2	-0.5%
79.0%	365	365	-1	-0.2%
80.2%	364	362	-2	-0.7%
81.5%	362	362	-1	-0.2%
82.7%	361	361	1	0.2%
84.0%	360	361	1	0.4%
85.2%	359	361	2	0.5%
86.4%	357	359	2	0.5%
87.7%	352	357	5	1.4%
88.9%	351	357	5	1.5%
90.1%	350	355	6	1.6%
91.4%	348	355	7	2.0%
92.6%	347	354	7	1.9%
93.8%	347	354	7	1.9%
95.1%	347	354	7	2.0%
96.3%	344	351	7	2.2%
97.5%	341	351	10	3.0%
98.8%	331	345	14	4.3%
100.0%	331	340	10	2.9%

Figure SW-43-b
San Luis Reservoir (SWP and CVP), End of Month Area
Probability of Exceedance

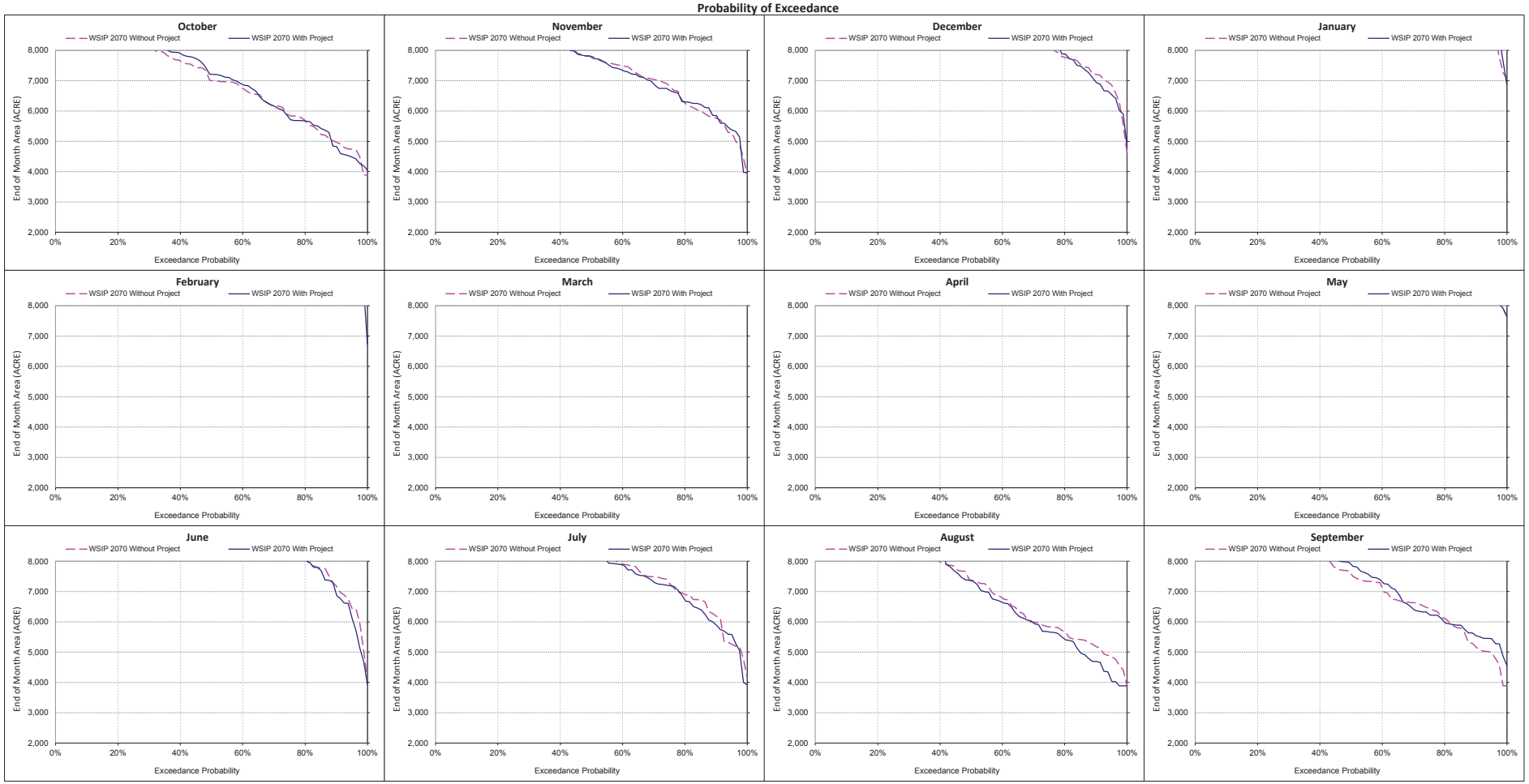


Table SW-43-b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,052	10,244	192	1.9%
1.2%	9,956	10,132	176	1.8%
2.5%	9,680	10,045	366	3.8%
3.7%	9,508	9,797	289	3.0%
4.9%	9,150	9,225	76	0.8%
6.2%	9,017	9,149	132	1.5%
7.4%	9,003	9,123	120	1.3%
8.6%	8,995	9,067	72	0.8%
9.9%	8,672	8,953	281	3.2%
11.1%	8,639	8,942	303	3.5%
12.3%	8,620	8,935	316	3.7%
13.6%	8,585	8,909	324	3.8%
14.8%	8,571	8,884	312	3.6%
16.0%	8,563	8,833	270	3.2%
17.3%	8,508	8,788	279	3.3%
18.5%	8,465	8,733	269	3.2%
19.8%	8,459	8,631	172	2.0%
21.0%	8,434	8,611	177	2.1%
22.2%	8,381	8,578	197	2.4%
23.5%	8,373	8,367	-6	-0.1%
24.7%	8,323	8,363	40	0.5%
25.9%	8,258	8,326	68	0.8%
27.2%	8,169	8,296	127	1.6%
28.4%	8,160	8,269	109	1.3%
29.6%	8,109	8,203	94	1.2%
30.9%	8,095	8,162	67	0.8%
32.1%	7,976	8,156	180	2.3%
33.3%	7,972	8,076	105	1.3%
34.6%	7,942	8,054	111	1.4%
35.8%	7,832	8,013	181	2.3%
37.0%	7,768	7,943	175	2.3%
38.3%	7,695	7,941	246	3.2%
39.5%	7,681	7,931	251	3.3%
40.7%	7,597	7,851	254	3.3%
42.0%	7,560	7,813	253	3.3%
43.2%	7,552	7,794	242	3.2%
44.4%	7,466	7,754	289	3.9%
45.7%	7,429	7,694	265	3.6%
46.9%	7,426	7,595	169	2.3%
48.1%	7,339	7,440	100	1.4%
49.4%	7,015	7,221	206	2.9%
50.6%	6,992	7,212	219	3.1%
51.9%	6,991	7,205	214	3.1%
53.1%	6,968	7,171	203	2.9%
54.3%	6,968	7,115	147	2.1%
55.6%	6,967	7,104	137	2.0%
56.8%	6,949	7,027	78	1.1%
58.0%	6,909	6,990	81	1.2%
59.3%	6,797	6,909	112	1.6%
60.5%	6,711	6,846	135	2.0%
61.7%	6,623	6,830	207	3.1%
63.0%	6,576	6,743	167	2.5%
64.2%	6,552	6,665	113	1.7%
65.4%	6,539	6,471	-68	-1.0%
66.7%	6,366	6,344	-21	-0.3%
67.9%	6,267	6,267	0	0.0%
69.1%	6,193	6,197	4	0.1%
70.4%	6,182	6,150	-33	-0.5%
71.6%	6,159	6,075	-85	-1.4%
72.8%	6,112	6,028	-84	-1.4%
74.1%	5,905	5,874	-30	-0.5%
75.3%	5,839	5,709	-130	-2.2%
76.5%	5,837	5,688	-148	-2.5%
77.8%	5,829	5,687	-142	-2.4%
79.0%	5,765	5,684	-81	-1.4%
80.2%	5,672	5,660	-11	-0.2%
81.5%	5,532	5,653	121	2.2%
82.7%	5,487	5,529	42	0.8%
84.0%	5,385	5,507	122	2.3%
85.2%	5,221	5,425	204	3.9%
86.4%	5,202	5,368	165	3.2%
87.7%	5,095	5,295	199	3.9%
88.9%	5,021	4,846	-174	-3.5%
90.1%	4,967	4,818	-149	-3.0%
91.4%	4,906	4,592	-314	-6.4%
92.6%	4,793	4,562	-231	-4.8%
93.8%	4,745	4,528	-217	-4.6%
95.1%	4,745	4,478	-266	-5.6%
96.3%	4,728	4,419	-309	-6.5%
97.5%	4,488	4,261	-227	-5.1%
98.8%	3,889	4,189	300	7.7%
100.0%	3,889	4,049	160	4.1%

November				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,863	11,327	464	4.3%
1.2%	10,609	11,101	492	4.6%
2.5%	10,426	10,685	258	2.5%
3.7%	10,024	10,312	288	2.9%
4.9%	9,966	10,252	286	2.9%
6.2%	9,907	10,205	298	3.0%
7.4%	9,736	10,068	332	3.4%
8.6%	9,477	9,900	424	4.5%
9.9%	9,443	9,752	308	3.3%
11.1%	9,408	9,655	247	2.6%
12.3%	9,339	9,555	216	2.3%
13.6%	9,326	9,483	157	1.7%
14.8%	9,304	9,481	177	1.9%
16.0%	9,241	9,467	225	2.4%
17.3%	9,019	9,454	435	4.8%
18.5%	8,996	9,417	421	4.7%
19.8%	8,951	9,356	405	4.5%
21.0%	8,863	9,215	352	4.0%
22.2%	8,841	8,873	32	0.4%
23.5%	8,834	8,799	-36	-0.4%
24.7%	8,754	8,779	25	0.3%
25.9%	8,693	8,752	60	0.7%
27.2%	8,592	8,705	113	1.3%
28.4%	8,548	8,583	35	0.4%
29.6%	8,500	8,555	54	0.6%
30.9%	8,490	8,553	62	0.7%
32.1%	8,442	8,483	40	0.5%
33.3%	8,342	8,458	116	1.4%
34.6%	8,324	8,456	132	1.6%
35.8%	8,285	8,414	129	1.6%
37.0%	8,283	8,372	89	1.1%
38.3%	8,280	8,370	90	1.1%
39.5%	8,167	8,154	-12	-0.2%
40.7%	8,152	8,136	-16	-0.2%
42.0%	8,106	8,114	8	0.1%
43.2%	8,102	7,996	-106	-1.3%
44.4%	8,016	7,979	-36	-0.5%
45.7%	7,892	7,867	-25	-0.3%
46.9%	7,868	7,840	-28	-0.4%
48.1%	7,816	7,821	5	0.1%
49.4%	7,815	7,820	5	0.1%
50.6%	7,787	7,730	-57	-0.7%
51.9%	7,735	7,725	-10	-0.1%
53.1%	7,683	7,657	-26	-0.3%
54.3%	7,597	7,611	14	0.2%
55.6%	7,590	7,516	-74	-1.0%
56.8%	7,561	7,430	-132	-1.7%
58.0%	7,530	7,413	-117	-1.6%
59.3%	7,510	7,381	-129	-1.7%
60.5%	7,479	7,322	-156	-2.1%
61.7%	7,463	7,288	-175	-2.3%
63.0%	7,357	7,221	-136	-1.9%
64.2%	7,270	7,213	-57	-0.8%
65.4%	7,188	7,126	-62	-0.9%
66.7%	7,101	7,113	12	0.2%
67.9%	7,094	7,034	-60	-0.8%
69.1%	7,059	6,987	-72	-1.0%
70.4%	7,033	6,848	-184	-2.6%
71.6%	7,013	6,748	-265	-3.8%
72.8%	6,959	6,746	-213	-3.1%
74.1%	6,909	6,745	-164	-2.4%
75.3%	6,797	6,672	-126	-1.8%
76.5%	6,672	6,618	-53	-0.8%
77.8%	6,656	6,596	-59	-0.9%
79.0%	6,367	6,314	-53	-0.8%
80.2%	6,235	6,298	63	1.0%
81.5%	6,167	6,285	118	1.9%
82.7%	6,107	6,251	144	2.4%
84.0%	6,038	6,247	209	3.5%
85.2%	5,995	6,209	214	3.6%
86.4%	5,908	6,110	202	3.4%
87.7%	5,828	6,105	276	4.7%
88.9%	5,799	5,858	59	1.0%
90.1%	5,766	5,845	79	1.4%
91.4%	5,700	5,599	-101	-1.8%
92.6%	5,539	5,591	52	0.9%
93.8%	5,297	5,463	166	3.1%
95.1%	5,275	5,376	100	1.9%
96.3%	5,000	5,323	323	6.5%
97.5%	4,860	5,139	279	5.7%
98.8%	4,448	3,971	-477	-10.7%
100.0%	3,889	3,968	79	2.0%

December				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,157	12,490	333	2.7%
1.2%	11,968	12,054	85	0.7%
2.5%	11,514	11,717	203	1.8%
3.7%	11,476	11,595	119	1.0%
4.9%	11,304	11,332	28	0.2%
6.2%	10,943	11,299	356	3.3%
7.4%	10,877	11,235	358	3.3%
8.6%	10,732	10,909	177	1.7%
9.9%	10,694	10,888	194	1.8%
11.1%	10,569	10,868	299	2.8%
12.3%	10,561	10,736	175	1.7%
13.6%	10,368	10,735	367	3.5%
14.8%	10,256	10,347	91	0.9%
16.0%	10,200	10,328	128	1.3%
17.3%	10,197	10,209	12	0.1%
18.5%	10,191	10,184	-7	-0.1%
19.8%	10,168	10,173	5	0.1%
21.0%	10,147	10,150	3	0.0%
22.2%	10,038	10,116	78	0.8%
23.5%	9,935	10,023	89	0.9%
24.7%	9,873	9,967	94	1.0%
25.9%	9,834	9,833	-1	0.0%
27.2%	9,766	9,786	20	0.2%
28.4%	9,738	9,775	36	0.4%
29.6%	9,705	9,684	-21	-0.2%
30.9%	9,668	9,645	-23	-0.2%
32.1%	9,618	9,638	20	0.2%
33.3%	9,481	9,634	153	1.6%
34.6%	9,437	9,546	109	1.2%
35.8%	9,385	9,525	139	1.5%
37.0%	9,327	9,510	183	2.0%
38.3%	9,300	9,458	158	1.7%
39.5%	9,297	9,416	119	1.3%
40.7%	9,219	9,370	150	1.6%
42.0%	9,208	9,360	152	1.6%
43.2%	9,102	9,352	250	2.7%
44.4%	9,088	9,295	207	2.3%
45.7%	9,042	9,231	189	2.1%
46.9%	9,039	9,204	165	1.8%
48.1%	9,012	9,193	181	2.0%
49.4%	8,990	9,141	151	1.7%
50.6%	8,916	9,074	157	1.8%
51.9%	8,896	9,010	114	1.3%
53.1%	8,891	8,974	84	0.9%
54.3%	8,871	8,926	55	0.6%
55.6%	8,825	8,867	42	0.5%
56.8%	8,788	8,844	56	0.6%
58.0%	8,751	8,827	75	0.9%
59.3%	8,679	8,810	132	1.5%
60.5%	8,663	8,707	44	0.5%
61.7%	8,626	8,706	80	0.9%
63.0%	8,548	8,665	117	1.4%
64.2%	8,542	8,655	113	1.3%
65.4%	8,499	8,644	145	1.7%
66.7%	8,498	8,608	109	1.3%
67.9%	8,490	8,604	114	1.3%
69.1%	8,477	8,458	-19	-0.2%
70.4%	8,394	8,448	54	0.6%
71.6%	8,360	8,422	62	0.7%
72.8%	8,308	8,345	37	0.4%
74.1%	8,232	8,278	45	0.5%
75.3%	8,184	8,270	86	1.1%
76.5%	8,000	8,222	222	2.8%
77.8%	7,930	8,211	281	3.5%
79.0%	7,802	7,889	86	1.1%
80.2%	7,762	7,875	113	1.5%
81.5%	7,742	7,720	-22	-0.3%
82.7%	7,728	7,686	-41	-0.5%
84.0%	7,657	7,510	-147	-1.9%
85.2%	7,529	7,474	-55	-0.7%
86.4%	7,449	7,367	-83	-1.1%
87.7%	7,431	7,263	-167	-2.3%
88.9%	7,223	7,100	-123	-1.7%
90.1%	7,210	6,941	-269	-3.7%
91.4%	7,184	6,885	-298	-4.2%
92.6%	7,016	6,671	-345	-4.9%
93.8%	6,963	6,654	-309	-4.4%
95.1%	6,856	6,536	-319	-4.7%
96.3%	6,602	6,410	-192	-2.9%
97.5%	6,284	6,019	-266	-4.2%
98.8%	5,538	5,901	363	6.6%
100.0%	4,597	4,826	228	5.0%

January				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,587	12,645	58	0.5%
3.7%	12,562	12,609	47	0.4%
4.9%	12,102	12,402	300	2.5%
6.2%	12,039	12,106	67	0.6%
7.4%	11,926	12,090	164	1.4%
8.6%	11,820	12,030	210	1.8%
9.9%	11,700	11,878	178	1.5%
11.1%	11,599	11,709	110	1.0%
12.3%	11,540	11,683	143	1.2%
13.6%	11,505	11,667	162	1.4%
14.8%	11,456	11,663	208	1.8%
16.0%	11,339	11,438	99	0.9%
17.3%	11,223	11,168	-55	-0.5%
18.5%	11,197	11,131	-65	-0.6%
19.8%	11,125	11,081	-44	-0.4%
21.0%	10,999	11,043	44	0.4%
22.2%	10,943	11,035	92	0.8%
23.5%	10,893	10,948	54	0.5%
24.7%	10,856	10,908	53	0.5%
25.9%	10,840	10,826	-14	-0.1%
27.2%	10,831	10,817	-14	-0.1%
28.4%	10,748	10,787	39	0.4%
29.6%	10,703	10,688	-15	-0.1%
30.9%	10,672	10,658	-13	-0.1%
32.1%	10,656	10,655	-1	0.0%
33.3%	10,549	10,556	7	0.1%
34.6%	10,534	10,490	-44	-0.4%
35.8%	10,468	10,365	-102	-1.0%
37.0%	10,389	10,347	-41	-0.4%
38.3%	10,292	10,342	50	0.5%
39.5%	10,264	10,319	55	0.5%
40.7%	10,221	10,318	97	0.9%
42.0%	10,194	10,305	111	1.1%
43.2%	10,113	10,302	189	1.9%
44.4%	10,078	10,259	181	1.8%
45.7%	10,065	10,186	121	1.2%
46.9%	9,954	10,149	195	2.0%
48.1%	9,930	10,147	216	2.2%
49.4%	9,907	10,112	205	2.1%
50.6%	9,907	10,094	187	1.9%
51.9%	9,905	10,060	155	1.6%
53.1%	9,851	10,018	167	1.7%
54.3%	9,849	9,996	147	1.5%
55.6%	9,843	9,990	146	1.5%
56.8%	9,836	9,960	124	1.3%
58.0%	9,806	9,946	140	1.4%
59.3%	9,790	9,939	149	1.5%
60.5%	9,772	9,929	157	1.6%
61.7%	9,769	9,908	139	1.4%
63.0%	9,766	9,768	1	0.0%
64.2%	9,700	9,701	1	0.0%
65.4%	9,687	9,688	1	0.0%
66.7%	9,679	9,675	-4	0.0%
67.9%	9,651	9,656	5	0.1%
69.1%	9,615	9,606	-9	-0.1%
70.4%	9,613	9,534	-79	-0.8%
71.6%	9,546	9,435	-111	-1.2%
72.8%	9,525	9,428	-97	-1.0%
74.1%	9,488	9,427	-61	-0.6%
75.3%	9,470	9,413	-57	-0.6%
76.5%	9,391	9,410	18	0.2%
77.8%	9,369	9,377	8	0.1%
79.0%	9,296	9,351	55	0.6%
80.2%	9,258	9,337	79	0.9%
81.5%	9,252	9,279	27	0.3%
82.7%	9,187	9,113	-75	-0.8%
84.0%	9,173	9,053	-120	-1.3%
85.2%	9,155	9,018	-138	-1.5%
86.4%	9,074	9,014	-60	-0.7%
87.7%	9,052	9,014	-38	-0.4%
88.9%	9,017	8,852	-165	-1.8%
90.1%	8,974	8,850	-124	-1.4%
91.4%	8,924	8,828	-96	-1.1%
92.6%	8,665	8,619	-46	-0.5%
93.8%	8,611	8,563	-48	-0.6%
95.1%	8,555	8,489	-66	-0.8%
96.3%	8,391	8,441	50	0.6%
97.5%	7,798	8,415	617	7.9%
98.8%	7,265	7,667	403	5.5%
100.0%	7,057	6,866	-191	-2.7%

Table SW-43-b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,696	12,696	0	0.0%
4.9%	12,696	12,696	0	0.0%
6.2%	12,696	12,696	0	0.0%
7.4%	12,682	12,696	14	0.1%
8.6%	12,555	12,696	140	1.1%
9.9%	12,449	12,624	175	1.4%
11.1%	12,385	12,565	180	1.5%
12.3%	12,359	12,465	105	0.9%
13.6%	12,259	12,394	135	1.1%
14.8%	12,225	12,242	16	0.1%
16.0%	12,129	12,122	-7	-0.1%
17.3%	12,094	12,080	-14	-0.1%
18.5%	12,004	11,978	-26	-0.2%
19.8%	11,980	11,924	-56	-0.5%
21.0%	11,966	11,900	-66	-0.6%
22.2%	11,941	11,865	-76	-0.6%
23.5%	11,905	11,858	-47	-0.4%
24.7%	11,832	11,823	-9	-0.1%
25.9%	11,807	11,791	-16	-0.1%
27.2%	11,803	11,781	-22	-0.2%
28.4%	11,756	11,779	24	0.2%
29.6%	11,723	11,768	45	0.4%
30.9%	11,665	11,764	99	0.8%
32.1%	11,655	11,625	-29	-0.3%
33.3%	11,522	11,588	67	0.6%
34.6%	11,464	11,520	56	0.5%
35.8%	11,409	11,482	72	0.6%
37.0%	11,399	11,468	69	0.6%
38.3%	11,383	11,380	-3	0.0%
39.5%	11,329	11,369	40	0.4%
40.7%	11,319	11,336	17	0.2%
42.0%	11,296	11,308	11	0.1%
43.2%	11,264	11,261	-3	0.0%
44.4%	11,218	11,255	37	0.3%
45.7%	11,209	11,236	27	0.2%
46.9%	11,209	11,160	-48	-0.4%
48.1%	11,186	11,112	-74	-0.7%
49.4%	11,172	11,038	-134	-1.2%
50.6%	10,857	10,964	106	1.0%
51.9%	10,847	10,963	116	1.1%
53.1%	10,846	10,898	52	0.5%
54.3%	10,831	10,876	45	0.4%
55.6%	10,819	10,849	30	0.3%
56.8%	10,808	10,782	-26	-0.2%
58.0%	10,798	10,774	-24	-0.2%
59.3%	10,728	10,747	20	0.2%
60.5%	10,702	10,723	21	0.2%
61.7%	10,667	10,651	-16	-0.1%
63.0%	10,580	10,634	54	0.5%
64.2%	10,556	10,632	75	0.7%
65.4%	10,490	10,632	142	1.4%
66.7%	10,477	10,611	134	1.3%
67.9%	10,324	10,568	244	2.4%
69.1%	10,252	10,563	311	3.0%
70.4%	10,249	10,473	224	2.2%
71.6%	10,201	10,459	257	2.5%
72.8%	10,095	10,324	229	2.3%
74.1%	10,089	10,223	135	1.3%
75.3%	10,055	10,082	27	0.3%
76.5%	10,054	10,082	27	0.3%
77.8%	10,049	10,037	-12	-0.1%
79.0%	10,022	10,014	-8	-0.1%
80.2%	9,908	9,927	20	0.2%
81.5%	9,823	9,907	84	0.9%
82.7%	9,805	9,891	86	0.9%
84.0%	9,734	9,747	13	0.1%
85.2%	9,645	9,702	57	0.6%
86.4%	9,614	9,655	40	0.4%
87.7%	9,609	9,481	-128	-1.3%
88.9%	9,589	9,448	-141	-1.5%
90.1%	9,543	9,393	-150	-1.6%
91.4%	9,505	9,380	-126	-1.3%
92.6%	9,439	9,337	-102	-1.1%
93.8%	9,209	9,192	-18	-0.2%
95.1%	9,066	9,150	84	0.9%
96.3%	8,947	9,094	147	1.6%
97.5%	8,634	9,035	401	4.6%
98.8%	8,527	8,585	58	0.7%
100.0%	8,474	6,735	-1,740	-20.5%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,696	12,696	0	0.0%
4.9%	12,696	12,696	0	0.0%
6.2%	12,696	12,696	0	0.0%
7.4%	12,696	12,696	0	0.0%
8.6%	12,696	12,696	0	0.0%
9.9%	12,696	12,696	0	0.0%
11.1%	12,696	12,696	0	0.0%
12.3%	12,696	12,696	0	0.0%
13.6%	12,696	12,696	0	0.0%
14.8%	12,696	12,696	0	0.0%
16.0%	12,696	12,696	0	0.0%
17.3%	12,696	12,694	-2	0.0%
18.5%	12,685	12,688	3	0.0%
19.8%	12,656	12,610	-46	-0.4%
21.0%	12,655	12,608	-47	-0.4%
22.2%	12,639	12,604	-35	-0.3%
23.5%	12,634	12,601	-32	-0.3%
24.7%	12,594	12,576	-18	-0.1%
25.9%	12,593	12,553	-39	-0.3%
27.2%	12,583	12,535	-48	-0.4%
28.4%	12,577	12,364	-213	-1.7%
29.6%	12,454	12,357	-97	-0.8%
30.9%	12,454	12,336	-118	-0.9%
32.1%	12,356	12,318	-38	-0.3%
33.3%	12,304	12,260	-44	-0.4%
34.6%	12,301	12,226	-75	-0.6%
35.8%	12,250	12,173	-77	-0.6%
37.0%	12,197	12,160	-37	-0.3%
38.3%	12,187	12,149	-38	-0.3%
39.5%	12,182	12,131	-51	-0.4%
40.7%	12,162	12,105	-57	-0.5%
42.0%	12,138	12,044	-94	-0.8%
43.2%	12,097	11,974	-123	-1.0%
44.4%	12,041	11,970	-72	-0.6%
45.7%	12,038	11,956	-81	-0.7%
46.9%	11,981	11,939	-42	-0.4%
48.1%	11,927	11,822	-106	-0.9%
49.4%	11,861	11,767	-94	-0.8%
50.6%	11,809	11,764	-45	-0.4%
51.9%	11,701	11,751	50	0.4%
53.1%	11,499	11,623	124	1.1%
54.3%	11,419	11,457	38	0.3%
55.6%	11,404	11,444	39	0.3%
56.8%	11,399	11,372	-27	-0.2%
58.0%	11,389	11,350	-38	-0.3%
59.3%	11,194	11,282	88	0.8%
60.5%	11,128	11,236	109	1.0%
61.7%	11,099	11,081	-18	-0.2%
63.0%	11,040	11,049	10	0.1%
64.2%	10,997	11,034	37	0.3%
65.4%	10,969	10,981	12	0.1%
66.7%	10,833	10,968	135	1.2%
67.9%	10,730	10,877	147	1.4%
69.1%	10,722	10,758	36	0.3%
70.4%	10,548	10,726	178	1.7%
71.6%	10,533	10,684	151	1.4%
72.8%	10,513	10,659	147	1.4%
74.1%	10,443	10,642	199	1.9%
75.3%	10,403	10,621	218	2.1%
76.5%	10,280	10,577	297	2.9%
77.8%	10,193	10,562	369	3.6%
79.0%	10,181	10,550	369	3.6%
80.2%	10,178	10,250	72	0.7%
81.5%	10,144	10,200	56	0.6%
82.7%	10,137	10,125	-12	-0.1%
84.0%	10,092	10,088	-4	0.0%
85.2%	10,079	10,039	-40	-0.4%
86.4%	9,980	10,028	48	0.5%
87.7%	9,954	9,994	40	0.4%
88.9%	9,941	9,860	-81	-0.8%
90.1%	9,867	9,837	-31	-0.3%
91.4%	9,809	9,765	-45	-0.5%
92.6%	9,794	9,694	-100	-1.0%
93.8%	9,770	9,649	-121	-1.2%
95.1%	9,716	9,438	-277	-2.9%
96.3%	9,412	9,249	-163	-1.7%
97.5%	9,392	9,243	-149	-1.6%
98.8%	8,878	9,007	129	1.5%
100.0%	8,664	8,680	16	0.2%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,696	12,696	0	0.0%
4.9%	12,696	12,656	-39	-0.3%
6.2%	12,675	12,608	-67	-0.5%
7.4%	12,632	12,595	-37	-0.3%
8.6%	12,589	12,543	-46	-0.4%
9.9%	12,457	12,459	2	0.0%
11.1%	12,451	12,432	-19	-0.2%
12.3%	12,418	12,422	3	0.0%
13.6%	12,410	12,337	-73	-0.6%
14.8%	12,357	12,322	-35	-0.3%
16.0%	12,315	12,304	-12	-0.1%
17.3%	12,312	12,292	-19	-0.2%
18.5%	12,299	12,291	-8	-0.1%
19.8%	12,294	12,286	-8	-0.1%
21.0%	12,291	12,286	-5	0.0%
22.2%	12,290	12,285	-6	0.0%
23.5%	12,286	12,272	-14	-0.1%
24.7%	12,286	12,217	-68	-0.6%
25.9%	12,240	12,129	-110	-0.9%
27.2%	12,221	12,049	-172	-1.4%
28.4%	12,185	12,045	-140	-1.1%
29.6%	12,052	12,016	-35	-0.3%
30.9%	12,029	11,982	-47	-0.4%
32.1%	12,019	11,947	-72	-0.6%
33.3%	12,009	11,866	-142	-1.2%
34.6%	12,006	11,859	-147	-1.2%
35.8%	11,908	11,800	-108	-0.9%
37.0%	11,850	11,786	-65	-0.5%
38.3%	11,843	11,778	-65	-0.6%
39.5%	11,815	11,777	-38	-0.3%
40.7%	11,780	11,714	-66	-0.6%
42.0%	11,763	11,689	-74	-0.6%
43.2%	11,723	11,634	-88	-0.8%
44.4%	11,694	11,606	-89	-0.8%
45.7%	11,693	11,603	-89	-0.8%
46.9%	11,634	11,570	-63	-0.5%
48.1%	11,630	11,494	-136	-1.2%
49.4%	11,580	11,442	-138	-1.2%
50.6%	11,564	11,400	-164	-1.4%
51.9%	11,430	11,389	-41	-0.4%
53.1%	11,255	11,348	92	0.8%
54.3%	11,155	11,344	189	1.7%
55.6%	11,138	11,187	49	0.4%
56.8%	11,132	11,153	21	0.2%
58.0%	11,074	11,122	48	0.4%
59.3%	10,996	11,037	41	0.4%
60.5%	10,968	10,975	7	0.1%
61.7%	10,880	10,970	90	0.8%
63.0%	10,756	10,777	21	0.2%
64.2%	10,611	10,731	120	1.1%
65.4%	10,587	10,613	26	0.2%
66.7%	10,577	10,514	-63	-0.6%
67.9%	10,545	10,477	-68	-0.6%
69.1%	10,449	10,358	-91	-0.9%
70.4%	10,439	10,354	-85	-0.8%
71.6%	10,417	10,349	-68	-0.7%
72.8%	10,355	10,329	-26	-0.2%
74.1%	10,224	10,328	104	1.0%
75.3%	10,223	10,321	99	1.0%
76.5%	10,166	10,318	152	1.5%
77.8%	10,089	10,302	212	2.1%
79.0%	10,039	10,275	236	2.4%
80.2%	9,951	10,273	322	3.2%
81.5%	9,931	10,231	300	3.0%
82.7%	9,891	9,912	21	0.2%
84.0%	9,848	9,807	-42	-0.4%
85.2%	9,847	9,798	-49	-0.5%
86.4%	9,747	9,785	38	0.4%
87.7%	9,740	9,784	44	0.5%
88.9%	9,738	9,690	-48	-0.5%
90.1%	9,724	9,669	-55	-0.6%
91.4%	9,710	9,638	-72	-0.7%
92.6%	9,656	9,568	-88	-0.9%
93.8%	9,332	9,422	90	1.0%
95.1%	9,285	9,054	-232	-2.5%
96.3%	9,276	8,899	-376	-4.1%
97.5%	9,170	8,752	-418	-4.6%
98.8%	8,500	8,723	223	2.6%
100.0%	8,369	8,591	221	2.6%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,696	12,696	0	0.0%
1.2%	12,696	12,696	0	0.0%
2.5%	12,696	12,696	0	0.0%
3.7%	12,631	12,623	-7	-0.1%
4.9%	12,502	12,479	-23	-0.2%
6.2%	12,415	12,363	-51	-0.4%
7.4%	12,036	12,002	-34	-0.3%
8.6%	12,009	11,973	-35	-0.3%
9.9%	11,968	11,953	-15	-0.1%
11.1%	11,820	11,754	-66	-0.6%
12.3%	11,816	11,735	-81	-0.7%
13.6%	11,781	11,732	-49	-0.4%
14.8%	11,755	11,635	-120	-1.0%
16.0%	11,744	11,549	-195	-1.7%
17.3%	11,550	11,542	-8	-0.1%
18.5%	11,509	11,521	11	0.1%
19.8%	11,507	11,483	-25	-0.2%
21.0%	11,484	11,404	-80	-0.7%
22.2%	11,479	11,356	-124	-1.1%
23.5%	11,421	11,314	-107	-0.9%
24.7%	11,372	11,313	-59	-0.5%
25.9%	11,358	11,284	-75	-0.7%
27.2%	11,345	11,240	-104	-0.9%
28.4%	11,337	11,207	-130	-1.1%
29.6%	11,290	11,144	-146	-1.3%
30.9%	11,250	11,118	-132	-1.2%
32.1%	11,196	11,073	-123	-1.1%
33.3%	11,100	11,006	-94	-0.9%
34.6%	11,059	10,990	-68	-0.6%
35.8%	11,043	10,982	-61	-0.6%
37.0%	11,012	10,953	-59	-0.5%
38.3%	10,967	10,939	-27	-0.3%
39.5%	10,961	10,901	-60	-0.5%
40.7%	10,923	10,842	-81	-0.7%
42.0%	10,917	10,797	-120	-1.1%
43.2%	10,880	10,748	-132	-1.2%
44.4%	10,879	10,727	-152	-1.4%
45.7%	10,731	10,626	-105	-1.0%
46.9%	10,722	10,604	-118	-1.1%
48.1%	10,708	10,597	-111	-1.0%
49.4%	10,686	10,571	-115	-1.1%
50.6%	10,679	10,489	-190	-1.8%
51.9%	10,496	10,475	-21	-0.2%
53.1%	10,451	10,383	-68	-0.6%
54.3%	10,314	10,230	-84	-0.8%
55.6%	10,249	10,217	-32	-0.3%
56.8%	10,246	10,204	-42	-0.4%
58.0%	10,230	10,157	-73	-0.7%
59.3%	10,092	10,097	4	0.0%
60.5%	10,033	9,963	-70	-0.7%
61.7%	10,021	9,899	-122	-1.2%
63.0%	9,983	9,887	-96	-1.0%
64.2%	9,941	9,884	-56	-0.6%
65.4%	9,848	9,881	34	0.3%
66.7%	9,841	9,854	13	0.1%
67.9%	9,795	9,802	7	0.1%
69.1%	9,789	9,765	-24	-0.2%
70.4%	9,680	9,739	59	0.6%
71.6%	9,615	9,625	11	0.1%
72.8%	9,590	9,591	1	0.0%
74.1%	9,552	9,564	12	0.1%
75.3%	9,535	9,558	22	0.2%
76.5%	9,478	9,550	73	0.8%
77.8%	9,464	9,449	-15	-0.2%
79.0%	9,336	9,348	12	0.1%
80.2%	9,283	9,335	52	0.6%
81.5%	9,240	9,298	58	0.6%
82.7%	9,201	9,159	-42	-0.5%
84.0%	9,180	9,141	-38	-0.4%
85.2%	9,145	9,108	-37	-0.4%
86.4%	9,001	9,095	94	1.0%
87.7%	8,983	9,060	76	0.9%
88.9%	8,977	9,037	59	0.7%
90.1%	8,935	8,932	-3	0.0%
91.4%	8,918	8,813	-105	-1.2%
92.6%	8,773	8,577	-196	-2.2%
93.8%	8,747	8,507	-239	-2.7%
95.1%	8,674	8,205	-469	-5.4%
96.3%	8,370	8,095	-275	-3.3%
97.5%	8,102	8,046	-55	-0.7%
98.8%	7,899	7,919	20	0.3%
100.0%	7,657	7,637	-20	-0.3%

Table SW-43-b

San Luis Reservoir (SWP and CVP), End of Month Area

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,345	12,474	129	1.0%
1.2%	12,335	12,344	9	0.1%
2.5%	12,335	12,288	-46	-0.4%
3.7%	12,136	12,137	2	0.0%
4.9%	11,982	11,961	-21	-0.2%
6.2%	11,928	11,853	-75	-0.6%
7.4%	11,574	11,563	-11	-0.1%
8.6%	11,357	11,376	19	0.2%
9.9%	11,329	11,131	-198	-1.7%
11.1%	11,285	10,871	-414	-3.7%
12.3%	10,939	10,860	-79	-0.7%
13.6%	10,923	10,748	-175	-1.6%
14.8%	10,804	10,727	-77	-0.7%
16.0%	10,770	10,705	-65	-0.6%
17.3%	10,742	10,662	-80	-0.7%
18.5%	10,686	10,647	-39	-0.4%
19.8%	10,684	10,597	-87	-0.8%
21.0%	10,572	10,533	-39	-0.4%
22.2%	10,532	10,286	-246	-2.3%
23.5%	10,418	10,249	-169	-1.6%
24.7%	10,413	10,222	-191	-1.8%
25.9%	10,313	10,209	-103	-1.0%
27.2%	10,291	10,075	-216	-2.1%
28.4%	10,094	10,045	-50	-0.5%
29.6%	10,038	9,992	-46	-0.5%
30.9%	10,016	9,986	-30	-0.3%
32.1%	9,986	9,825	-160	-1.6%
33.3%	9,978	9,823	-155	-1.6%
34.6%	9,955	9,798	-157	-1.6%
35.8%	9,912	9,760	-152	-1.5%
37.0%	9,894	9,723	-172	-1.7%
38.3%	9,869	9,713	-156	-1.6%
39.5%	9,851	9,701	-150	-1.5%
40.7%	9,717	9,567	-151	-1.5%
42.0%	9,593	9,566	-27	-0.3%
43.2%	9,590	9,450	-141	-1.5%
44.4%	9,564	9,377	-187	-2.0%
45.7%	9,534	9,360	-174	-1.8%
46.9%	9,503	9,343	-160	-1.7%
48.1%	9,499	9,326	-173	-1.8%
49.4%	9,468	9,286	-183	-1.9%
50.6%	9,353	9,221	-132	-1.4%
51.9%	9,327	9,014	-314	-3.4%
53.1%	9,170	8,948	-222	-2.4%
54.3%	9,066	8,867	-198	-2.2%
55.6%	9,030	8,848	-183	-2.0%
56.8%	8,893	8,801	-92	-1.0%
58.0%	8,844	8,761	-82	-0.9%
59.3%	8,800	8,755	-45	-0.5%
60.5%	8,789	8,677	-113	-1.3%
61.7%	8,773	8,664	-109	-1.2%
63.0%	8,753	8,522	-230	-2.6%
64.2%	8,748	8,417	-331	-3.8%
65.4%	8,722	8,393	-330	-3.8%
66.7%	8,660	8,288	-372	-4.3%
67.9%	8,609	8,284	-325	-3.8%
69.1%	8,487	8,250	-237	-2.8%
70.4%	8,364	8,198	-166	-2.0%
71.6%	8,332	8,194	-138	-1.7%
72.8%	8,312	8,193	-119	-1.4%
74.1%	8,292	8,176	-116	-1.4%
75.3%	8,201	8,155	-46	-0.6%
76.5%	8,195	8,049	-146	-1.8%
77.8%	8,161	8,042	-119	-1.5%
79.0%	8,151	8,035	-116	-1.4%
80.2%	8,102	8,018	-84	-1.0%
81.5%	7,868	7,960	92	1.2%
82.7%	7,846	7,799	-47	-0.6%
84.0%	7,798	7,791	-7	-0.1%
85.2%	7,764	7,684	-80	-1.0%
86.4%	7,755	7,376	-379	-4.9%
87.7%	7,514	7,373	-141	-1.9%
88.9%	7,295	7,304	8	0.1%
90.1%	7,168	6,868	-300	-4.2%
91.4%	6,962	6,756	-206	-3.0%
92.6%	6,880	6,614	-267	-3.9%
93.8%	6,758	6,605	-152	-2.3%
95.1%	6,440	6,118	-322	-5.0%
96.3%	6,436	5,715	-721	-11.2%
97.5%	5,959	5,132	-827	-13.9%
98.8%	5,068	4,687	-381	-7.5%
100.0%	4,086	3,939	-147	-3.6%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,157	12,154	-4	0.0%
1.2%	12,125	12,152	27	0.2%
2.5%	12,099	12,061	-38	-0.3%
3.7%	11,621	11,553	-68	-0.6%
4.9%	11,474	11,468	-5	0.0%
6.2%	11,084	11,058	-26	-0.2%
7.4%	10,910	10,975	65	0.6%
8.6%	10,846	10,662	-184	-1.7%
9.9%	10,780	10,597	-183	-1.7%
11.1%	10,685	10,447	-238	-2.2%
12.3%	10,596	10,379	-217	-2.0%
13.6%	10,431	10,368	-63	-0.6%
14.8%	10,345	10,189	-156	-1.5%
16.0%	10,227	10,062	-165	-1.6%
17.3%	10,176	9,995	-181	-1.8%
18.5%	9,815	9,585	-230	-2.3%
19.8%	9,654	9,548	-106	-1.1%
21.0%	9,536	9,517	-19	-0.2%
22.2%	9,501	9,481	-20	-0.2%
23.5%	9,442	9,335	-107	-1.1%
24.7%	9,410	9,291	-120	-1.3%
25.9%	9,361	9,136	-225	-2.4%
27.2%	9,354	9,103	-251	-2.7%
28.4%	9,214	9,099	-116	-1.3%
29.6%	9,187	9,050	-137	-1.5%
30.9%	9,091	9,014	-77	-0.8%
32.1%	9,084	8,951	-133	-1.5%
33.3%	9,044	8,933	-111	-1.2%
34.6%	9,022	8,832	-190	-2.1%
35.8%	8,963	8,785	-177	-2.0%
37.0%	8,955	8,755	-200	-2.2%
38.3%	8,944	8,743	-200	-2.2%
39.5%	8,851	8,741	-110	-1.2%
40.7%	8,787	8,733	-54	-0.6%
42.0%	8,776	8,602	-174	-2.0%
43.2%	8,696	8,596	-100	-1.1%
44.4%	8,500	8,411	-89	-1.0%
45.7%	8,478	8,403	-75	-0.9%
46.9%	8,460	8,401	-59	-0.7%
48.1%	8,389	8,362	-27	-0.3%
49.4%	8,275	8,314	40	0.5%
50.6%	8,262	8,258	-4	0.0%
51.9%	8,215	8,207	-8	-0.1%
53.1%	8,201	8,180	-21	-0.3%
54.3%	8,167	8,094	-73	-0.9%
55.6%	8,128	7,932	-196	-2.4%
56.8%	8,075	7,926	-149	-1.8%
58.0%	7,993	7,907	-85	-1.1%
59.3%	7,927	7,892	-34	-0.4%
60.5%	7,893	7,862	-32	-0.4%
61.7%	7,876	7,717	-159	-2.0%
63.0%	7,839	7,715	-124	-1.6%
64.2%	7,825	7,575	-250	-3.2%
65.4%	7,662	7,537	-125	-1.6%
66.7%	7,557	7,527	-31	-0.4%
67.9%	7,500	7,469	-31	-0.4%
69.1%	7,490	7,385	-105	-1.4%
70.4%	7,489	7,288	-201	-2.7%
71.6%	7,464	7,247	-217	-2.9%
72.8%	7,427	7,233	-194	-2.6%
74.1%	7,407	7,208	-199	-2.7%
75.3%	7,238	7,194	-44	-0.6%
76.5%	7,102	7,170	68	1.0%
77.8%	6,980	7,036	55	0.8%
79.0%	6,958	6,873	-85	-1.2%
80.2%	6,888	6,687	-201	-2.9%
81.5%	6,884	6,659	-225	-3.3%
82.7%	6,736	6,510	-227	-3.4%
84.0%	6,732	6,459	-273	-4.1%
85.2%	6,730	6,393	-336	-5.0%
86.4%	6,656	6,252	-404	-6.1%
87.7%	6,339	6,059	-280	-4.4%
88.9%	6,274	6,003	-271	-4.3%
90.1%	6,178	5,890	-287	-4.7%
91.4%	6,108	5,746	-361	-5.9%
92.6%	5,336	5,690	354	6.6%
93.8%	5,323	5,587	265	5.0%
95.1%	5,258	5,585	327	6.2%
96.3%	5,196	5,280	84	1.6%
97.5%	5,187	5,051	-137	-2.6%
98.8%	4,768	4,002	-766	-16.1%
100.0%	4,123	3,923	-201	-4.9%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,482	11,397	-85	-0.7%
1.2%	11,366	11,303	-63	-0.6%
2.5%	11,233	11,263	30	0.3%
3.7%	10,939	10,836	-103	-0.9%
4.9%	10,641	10,778	137	1.3%
6.2%	10,607	10,644	37	0.4%
7.4%	10,588	10,536	-52	-0.5%
8.6%	10,537	10,463	-74	-0.7%
9.9%	10,534	10,430	-104	-1.0%
11.1%	10,404	10,414	10	0.1%
12.3%	10,385	10,380	-5	0.0%
13.6%	9,884	9,927	42	0.4%
14.8%	9,482	9,439	-43	-0.5%
16.0%	9,462	9,291	-172	-1.8%
17.3%	9,045	9,212	167	1.8%
18.5%	8,997	9,207	210	2.3%
19.8%	8,983	9,191	207	2.3%
21.0%	8,968	9,101	133	1.5%
22.2%	8,919	9,092	173	1.9%
23.5%	8,863	9,068	205	2.3%
24.7%	8,795	9,016	222	2.5%
25.9%	8,747	8,851	103	1.2%
27.2%	8,727	8,701	-25	-0.3%
28.4%	8,726	8,658	-68	-0.8%
29.6%	8,724	8,643	-81	-0.9%
30.9%	8,709	8,637	-73	-0.8%
32.1%	8,652	8,589	-62	-0.7%
33.3%	8,616	8,556	-60	-0.7%
34.6%	8,598	8,524	-74	-0.9%
35.8%	8,566	8,444	-122	-1.4%
37.0%	8,456	8,393	-63	-0.7%
38.3%	8,256	8,372	116	1.4%
39.5%	8,011	8,371	360	4.5%
40.7%	7,927	8,329	403	5.1%
42.0%	7,898	7,893	-4	-0.1%
43.2%	7,863	7,821	-42	-0.5%
44.4%	7,846	7,691	-155	-2.0%
45.7%	7,699	7,595	-104	-1.4%
46.9%	7,673	7,469	-204	-2.7%
48.1%	7,664	7,389	-276	-3.6%
49.4%	7,390	7,375	-14	-0.2%
50.6%	7,358	7,339	-19	-0.3%
51.9%	7,306	7,231	-75	-1.0%
53.1%	7,266	7,028	-239	-3.3%
54.3%	7,258	6,995	-263	-3.6%
55.6%	7,154	6,974	-180	-2.5%
56.8%	6,954	6,759	-195	-2.8%
58.0%	6,868	6,717	-151	-2.2%
59.3%	6,836	6,675	-160	-2.3%
60.5%	6,744	6,615	-129	-1.9%
61.7%	6,725	6,600	-125	-1.9%
63.0%	6,530	6,480	-49	-0.8%
64.2%	6,471	6,289	-182	-2.8%
65.4%	6,320	6,177	-143	-2.3%
66.7%	6,276	6,120	-156	-2.5%
67.9%	6,083	6,059	-24	-0.4%
69.1%	5,991	6,038	47	0.8%
70.4%	5,988	5,929	-59	-1.0%
71.6%	5,963	5,899	-64	-1.1%
72.8%	5,889	5,685	-204	-3.5%
74.1%	5,851	5,681	-169	-2.9%
75.3%	5,834	5,661	-173	-3.0%
76.5%	5,826	5,653	-173	-3.0%
77.8%	5,810	5,615	-195	-3.4%
79.0%	5,722	5,505	-217	-3.8%
80.2%	5,653	5,403	-250	-4.4%
81.5%	5,477	5,385	-92	-1.7%
82.7%	5,436	5,349	-87	-1.6%
84.0%	5,431	5,132	-299	-5.5%
85.2%	5,411	4,969	-442	-8.2%
86.4%	5,394	4,914	-480	-8.9%
87.7%	5,312	4,785	-527	-9.9%
88.9%	5,263	4,688	-575	-10.9%
90.1%	5,179	4,687	-492	-9.5%
91.4%	5,132	4,663	-469	-9.1%
92.6%	4,940	4,369	-571	-11.6%
93.8%	4,892	4,353	-539	-11.0%
95.1%	4,859	4,032	-827	-17.0%
96.3%	4,756	4,028	-729	-15.3%
97.5%	4,573	3,889	-684	-15.0%
98.8%	4,398	3,889	-509	-11.6%
100.0%	3,889	3,889	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,869	10,810	-59	-0.5%
1.2%	10,256	10,783	526	5.1%
2.5%	10,161	10,317	156	1.5%
3.7%	10,111	10,270	159	1.6%
4.9%	10,027	10,016	-11	-0.1%
6.2%	10,002	9,945	-56	-0.6%
7.4%	9,983	9,877	-106	-1.1%
8.6%	9,657	9,857	200	2.1%
9.9%	9,591	9,688	97	1.0%
11.1%	9,469	9,527	58	0.6%
12.3%	9,273	9,359	86	0.9%
13.6%	9,178	9,284	105	1.1%
14.8%	9,141	9,273	132	1.4%
16.0%	9,060	9,111	50	0.6%
17.3%	9,028	9,026	-2	0.0%
18.5%	9,022	8,886	-136	-1.5%
19.8%	8,796	8,874	79	0.9%
21.0%	8,692	8,853	160	1.8%
22.2%	8,582	8,804	222	2.6%
23.5%	8,532	8,785	253	3.0%
24.7%	8,519	8,659	140	1.6%
25.9%	8,507	8,587	80	0.9%
27.2%	8,479	8,551	72	0.9%
28.4%	8,443	8,501	58	0.7%
29.6%	8,420	8,443	23	0.3%
30.9%	8,411	8,425	14	0.2%
32.1%	8,402	8,412	10	0.1%
33.3%	8,382	8,407	25	0.3%
34.6%	8,363	8,357	-5	-0.1%
35.8%	8,344	8,325	-18	-0.2%
37.0%	8,187	8,322	135	1.6%
38.3%	8,183	8,297	114	1.4%
39.5%	8,117	8,291	174	2.1%
40.7%	8,038	8,283	245	3.0%
42.0%	8,038	8,258	220	2.7%
43.2%	7,991	8,238	247	3.1%
44.4%	7,823	8,100	276	3.5%
45.7%	7,743	8,025	283	3.6%
46.9%	7,706	7,987	281	3.6%
48.1%	7,696	7,981	285	3.7%
49.4%	7,681	7,960	279	3.6%
50.6%	7,499	7,831	332	4.4%
51.9%	7,433	7,812	379	5.1%
53.1%	7,381	7,667	287	3.9%
54.3%	7,347	7,625	278	3.8%
55.6%	7,332	7,570	239	3.3%
56.8%	7,331	7,464	133	1.8%
58.0%	7,300	7,459	159	2.2%
59.3%	7,296	7,398	103	1.4%
60.5%	6,987	7,260	273	3.9%
61.7%	6,947	7,241	294	4.2%
63.0%	6,745	7,120	375	5.6%
64.2%	6,735	7,066	330	4.9%
65.4%	6,695	6,888	193	2.9%
66.7%	6,659	6,653	-6	-0.1%
67.9%	6,649	6,590	-59	-0.9%
69.1%	6,635	6,502	-133	-2.0%
70.4%	6,631	6,385	-246	-3.7%
71.6%	6,599	6,351	-248	-3.8%
72.8%	6,541	6,328	-213	-3.3%
74.1%	6,479	6,327	-152	-2.3%
75.3%	6,437	6,226	-211	-3.3%
76.5%	6,377	6,216	-161	-2.5%
77.8%	6,331	6,213	-118	-1.9%
79.0%	6,146	6,108	-38	-0.6%
80.2%	6,104	5,956	-149	-2.4%
81.5%	5,984	5,932	-52	-0.9%
82.7%	5,872	5,908	36	0.6%
84.0%	5,808	5,893	85	1.5%
85.2%	5,788	5,892	104	1.8%
86.4%	5,642	5,750	108	1.9%
87.7%	5,311	5,636	325	6.1%
88.9%	5,294	5,636	342	6.5%
90.1%	5,167	5,535	369	7.1%
91.4%	5,055	5,507	452	8.9%
92.6%	5,029	5,456	427	8.5%
93.8%	5,021	5,450	429	8.6%
95.1%	4,994	5,447	453	9.1%
96.3%	4,793	5,282	489	10.2%
97.5%	4,595	5,276	681	14.8%
98.8%	3,889	4,875	986	25.4%
100.0%	3,889	4,562	673	17.3%

Figure SW-44-b
San Luis Reservoir (CVP), End of Month Storage
Probability of Exceedance

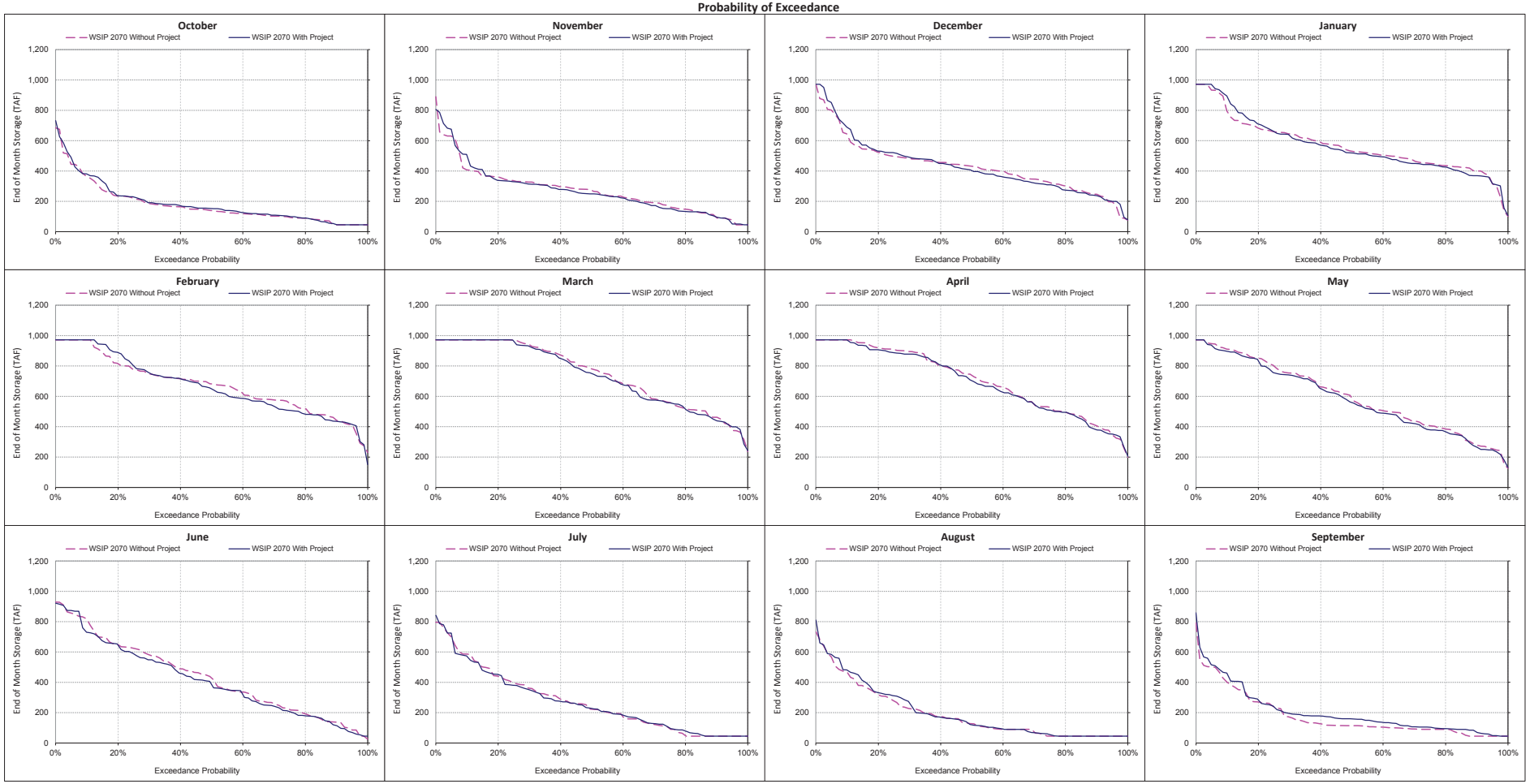


Table SW-44-b

San Luis Reservoir (CVP), End of Month Storage

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	684	732	47	6.9%
1.2%	675	625	-49	-7.3%
2.5%	519	585	67	12.8%
3.7%	513	528	15	2.9%
4.9%	444	491	47	10.7%
6.2%	444	427	-17	-3.8%
7.4%	428	402	-26	-6.1%
8.6%	384	383	-1	-0.2%
9.9%	364	381	17	4.6%
11.1%	351	370	18	5.2%
12.3%	333	368	35	10.5%
13.6%	304	358	53	17.6%
14.8%	277	335	58	21.1%
16.0%	264	314	50	19.0%
17.3%	263	264	1	0.4%
18.5%	240	261	21	8.8%
19.8%	235	238	3	1.2%
21.0%	235	235	0	0.0%
22.2%	233	235	2	1.0%
23.5%	230	231	1	0.5%
24.7%	222	230	8	3.5%
25.9%	214	223	9	4.3%
27.2%	210	215	5	2.2%
28.4%	195	208	14	7.2%
29.6%	186	191	5	2.5%
30.9%	183	191	8	4.1%
32.1%	179	186	7	3.9%
33.3%	178	183	5	3.0%
34.6%	171	181	10	5.9%
35.8%	169	179	10	6.0%
37.0%	166	179	13	7.8%
38.3%	165	179	13	8.1%
39.5%	164	173	9	5.5%
40.7%	163	168	4	2.5%
42.0%	152	166	13	8.8%
43.2%	149	165	16	10.7%
44.4%	149	160	12	8.0%
45.7%	148	156	8	5.2%
46.9%	147	155	8	5.7%
48.1%	144	155	11	7.5%
49.4%	140	153	13	9.1%
50.6%	138	152	14	10.0%
51.9%	134	152	18	13.5%
53.1%	132	148	16	12.0%
54.3%	128	140	11	8.7%
55.6%	123	139	16	13.1%
56.8%	123	138	15	12.6%
58.0%	121	134	13	10.6%
59.3%	121	128	7	5.9%
60.5%	118	124	6	5.1%
61.7%	116	120	4	3.2%
63.0%	115	119	4	3.8%
64.2%	114	119	5	4.1%
65.4%	114	116	3	2.3%
66.7%	109	116	7	6.5%
67.9%	106	115	9	8.8%
69.1%	103	110	6	6.1%
70.4%	102	109	6	6.3%
71.6%	102	107	5	4.8%
72.8%	100	105	4	4.2%
74.1%	98	104	5	5.5%
75.3%	93	99	6	6.5%
76.5%	90	99	9	9.5%
77.8%	90	93	3	2.9%
79.0%	90	90	0	0.0%
80.2%	89	90	1	1.4%
81.5%	85	84	-1	-1.5%
82.7%	81	80	-1	-0.7%
84.0%	79	75	-5	-6.1%
85.2%	78	65	-12	-15.8%
86.4%	72	64	-8	-11.1%
87.7%	71	55	-15	-21.9%
88.9%	45	54	9	19.1%
90.1%	45	45	0	0.5%
91.4%	45	45	0	0.0%
92.6%	45	45	0	0.0%
93.8%	45	45	0	0.0%
95.1%	45	45	0	0.0%
96.3%	45	45	0	0.0%
97.5%	45	45	0	0.0%
98.8%	45	45	0	0.0%
100.0%	45	45	0	0.0%

November				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	889	805	-84	-9.5%
1.2%	657	787	130	19.8%
2.5%	639	713	74	11.6%
3.7%	631	683	52	8.2%
4.9%	631	676	45	7.2%
6.2%	614	568	-46	-7.5%
7.4%	534	534	0	0.0%
8.6%	420	511	91	21.6%
9.9%	408	509	102	25.0%
11.1%	405	433	28	6.9%
12.3%	401	420	20	4.9%
13.6%	397	411	15	3.7%
14.8%	367	410	43	11.8%
16.0%	367	367	0	0.0%
17.3%	367	367	0	0.0%
18.5%	363	350	-13	-3.5%
19.8%	363	338	-24	-6.7%
21.0%	354	337	-18	-5.0%
22.2%	345	335	-10	-2.8%
23.5%	338	333	-5	-1.5%
24.7%	337	330	-7	-2.0%
25.9%	331	327	-4	-1.1%
27.2%	331	324	-6	-1.9%
28.4%	329	319	-11	-3.3%
29.6%	327	315	-12	-3.7%
30.9%	327	313	-14	-4.2%
32.1%	319	313	-6	-2.0%
33.3%	310	309	-1	-0.3%
34.6%	309	307	-2	-0.8%
35.8%	308	304	-4	-1.2%
37.0%	306	288	-18	-5.8%
38.3%	304	288	-17	-5.5%
39.5%	297	279	-18	-6.1%
40.7%	296	278	-18	-6.0%
42.0%	294	276	-18	-6.0%
43.2%	288	271	-18	-6.1%
44.4%	285	265	-20	-6.9%
45.7%	281	256	-25	-8.8%
46.9%	280	252	-28	-10.0%
48.1%	279	250	-29	-10.4%
49.4%	278	248	-29	-10.6%
50.6%	266	248	-17	-6.5%
51.9%	263	248	-15	-5.6%
53.1%	243	243	0	0.0%
54.3%	241	238	-3	-1.3%
55.6%	236	234	-2	-0.6%
56.8%	235	231	-4	-1.7%
58.0%	235	230	-5	-2.1%
59.3%	234	223	-11	-4.9%
60.5%	224	220	-4	-2.0%
61.7%	223	209	-14	-6.2%
63.0%	217	205	-12	-5.7%
64.2%	213	201	-12	-5.4%
65.4%	204	194	-11	-5.3%
66.7%	196	190	-7	-3.3%
67.9%	194	183	-11	-5.9%
69.1%	192	172	-20	-10.4%
70.4%	190	172	-18	-9.4%
71.6%	188	160	-28	-15.1%
72.8%	177	153	-24	-13.4%
74.1%	175	152	-23	-13.2%
75.3%	161	151	-10	-6.0%
76.5%	157	144	-13	-8.4%
77.8%	151	136	-14	-9.6%
79.0%	149	134	-15	-10.1%
80.2%	148	133	-15	-9.9%
81.5%	144	132	-12	-8.7%
82.7%	136	131	-5	-3.8%
84.0%	128	130	2	1.5%
85.2%	124	127	3	2.6%
86.4%	122	127	5	3.8%
87.7%	114	112	-2	-1.9%
88.9%	113	106	-7	-5.9%
90.1%	90	95	5	5.2%
91.4%	90	90	0	0.0%
92.6%	90	90	0	0.0%
93.8%	82	80	-2	-1.9%
95.1%	78	51	-27	-34.5%
96.3%	45	50	5	11.5%
97.5%	45	50	5	11.2%
98.8%	45	45	0	0.0%
100.0%	45	45	0	0.0%

December				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	878	972	94	10.7%
2.5%	870	951	81	9.4%
3.7%	807	866	59	7.3%
4.9%	802	851	50	6.2%
6.2%	773	792	19	2.4%
7.4%	738	740	2	0.3%
8.6%	654	717	63	9.7%
9.9%	645	690	45	7.0%
11.1%	591	674	83	14.1%
12.3%	572	605	32	5.6%
13.6%	565	599	34	6.1%
14.8%	545	572	27	4.9%
16.0%	544	571	27	5.0%
17.3%	541	553	11	2.1%
18.5%	537	544	7	1.3%
19.8%	525	532	7	1.4%
21.0%	519	529	10	1.9%
22.2%	508	524	16	3.2%
23.5%	502	522	21	4.1%
24.7%	498	521	23	4.7%
25.9%	494	516	22	4.6%
27.2%	490	505	15	3.0%
28.4%	487	497	11	2.2%
29.6%	485	493	8	1.7%
30.9%	479	485	6	1.3%
32.1%	479	482	3	0.6%
33.3%	479	481	2	0.5%
34.6%	468	478	10	2.2%
35.8%	467	476	9	1.9%
37.0%	464	475	11	2.4%
38.3%	460	461	1	0.2%
39.5%	457	450	-6	-1.4%
40.7%	456	450	-6	-1.4%
42.0%	456	445	-11	-2.4%
43.2%	444	442	-3	-0.6%
44.4%	444	426	-18	-4.0%
45.7%	443	421	-22	-5.0%
46.9%	439	416	-23	-5.2%
48.1%	436	411	-25	-5.6%
49.4%	433	408	-25	-5.7%
50.6%	429	397	-32	-7.5%
51.9%	425	396	-29	-6.8%
53.1%	413	387	-26	-6.3%
54.3%	410	380	-30	-7.2%
55.6%	408	380	-29	-7.0%
56.8%	406	379	-28	-6.8%
58.0%	402	367	-35	-8.6%
59.3%	399	364	-35	-8.8%
60.5%	396	359	-37	-9.4%
61.7%	381	355	-26	-6.9%
63.0%	378	352	-26	-6.9%
64.2%	375	345	-31	-8.1%
65.4%	362	341	-21	-5.9%
66.7%	349	332	-17	-4.9%
67.9%	349	332	-17	-5.0%
69.1%	347	324	-23	-6.6%
70.4%	346	320	-27	-7.7%
71.6%	343	316	-27	-7.9%
72.8%	334	314	-20	-6.0%
74.1%	330	309	-21	-6.4%
75.3%	321	308	-12	-3.8%
76.5%	314	303	-11	-3.5%
77.8%	313	295	-18	-5.8%
79.0%	306	277	-28	-9.3%
80.2%	300	274	-26	-8.7%
81.5%	292	271	-21	-7.3%
82.7%	271	270	-1	-0.3%
84.0%	271	258	-13	-4.8%
85.2%	270	256	-14	-5.1%
86.4%	260	255	-5	-2.0%
87.7%	253	242	-11	-4.2%
88.9%	248	240	-8	-3.2%
90.1%	246	237	-9	-3.5%
91.4%	234	229	-5	-2.0%
92.6%	229	209	-20	-8.6%
93.8%	198	204	7	3.5%
95.1%	197	200	3	1.5%
96.3%	169	199	30	17.8%
97.5%	93	180	87	94.6%
98.8%	89	95	7	7.4%
100.0%	76	78	3	3.5%

January				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	972	972	0	0.0%
2.5%	972	972	0	0.0%
3.7%	968	972	4	0.4%
4.9%	933	972	39	4.1%
6.2%	932	943	12	1.2%
7.4%	915	935	20	2.2%
8.6%	893	914	21	2.3%
9.9%	797	895	99	12.4%
11.1%	756	841	86	11.4%
12.3%	733	825	91	12.5%
13.6%	733	786	53	7.2%
14.8%	713	782	69	9.7%
16.0%	710	757	47	6.6%
17.3%	704	735	31	4.3%
18.5%	701	731	31	4.4%
19.8%	685	711	26	3.8%
21.0%	675	703	28	4.2%
22.2%	671	690	19	2.9%
23.5%	667	678	11	1.6%
24.7%	660	663	3	0.5%
25.9%	656	648	-8	-1.2%
27.2%	655	644	-11	-1.7%
28.4%	653	642	-11	-1.7%
29.6%	645	642	-3	-0.4%
30.9%	643	617	-26	-4.1%
32.1%	637	608	-29	-4.6%
33.3%	622	603	-19	-3.0%
34.6%	616	593	-23	-3.7%
35.8%	615	588	-28	-4.5%
37.0%	605	587	-19	-3.1%
38.3%	600	586	-14	-2.4%
39.5%	594	573	-21	-3.6%
40.7%	581	568	-12	-2.1%
42.0%	578	565	-14	-2.3%
43.2%	575	549	-25	-4.4%
44.4%	571	543	-27	-4.8%
45.7%	569	542	-27	-4.7%
46.9%	556	535	-21	-3.8%
48.1%	540	521	-19	-3.5%
49.4%	533	519	-14	-2.6%
50.6%	528	518	-10	-1.9%
51.9%	527	514	-13	-2.5%
53.1%	524	513	-11	-2.1%
54.3%	521	512	-9	-1.8%
55.6%	517	505	-13	-2.5%
56.8%	513	500	-13	-2.5%
58.0%	511	497	-14	-2.7%
59.3%	505	494	-10	-2.1%
60.5%	505	492	-13	-2.5%
61.7%	500	483	-17	-3.3%
63.0%	498	475	-22	-4.5%
64.2%	497	475	-22	-4.5%
65.4%	488	463	-25	-5.1%
66.7%	485	457	-27	-5.7%
67.9%	482	453	-29	-6.1%
69.1%	476	450	-26	-5.4%
70.4%	463	449	-14	-2.9%
71.6%	457	448	-9	-2.0%
72.8%	453	442	-11	-2.5%
74.1%	452	442	-10	-2.2%
75.3%	449	442	-7	-1.6%
76.5%	447	437	-10	-2.2%
77.8%	439	434	-5	-1.1%
79.0%	436	428	-9	-1.9%
80.2%	435	426	-9	-2.1%
81.5%	433	418	-16	-3.6%
82.7%	428	407	-21	-5.0%
84.0%	428	403	-25	-5.9%
85.2%	424	394	-29	-7.0%
86.4%	423	385	-39	-9.1%
87.7%	419	370	-49	-11.8%
88.9%	402	369	-33	-8.2%
90.1%	400	369	-31	-7.8%
91.4%	400	368	-32	-8.1%
92.6%	383	364	-19	-4.9%
93.8%	372	360	-12	-3.3%
95.1%	314	316	2	0.5%
96.3%	305	309	5	1.5%
97.5%	232	302	71	30.4%
98.8%	138	158	19	13.7%
100.0%	101	108	7	6.5%

Table SW-44-b

San Luis Reservoir (CVP), End of Month Storage

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	972	972	0	0.0%
2.5%	972	972	0	0.0%
3.7%	972	972	0	0.0%
4.9%	972	972	0	0.0%
6.2%	972	972	0	0.0%
7.4%	972	972	0	0.0%
8.6%	972	972	0	0.0%
9.9%	972	972	0	0.0%
11.1%	972	972	0	0.0%
12.3%	924	972	48	5.2%
13.6%	912	945	33	3.7%
14.8%	893	943	50	5.7%
16.0%	866	942	76	8.8%
17.3%	863	907	44	5.0%
18.5%	821	894	73	8.9%
19.8%	817	891	73	9.0%
21.0%	802	879	78	9.7%
22.2%	801	847	46	5.8%
23.5%	799	833	34	4.3%
24.7%	779	806	27	3.5%
25.9%	775	783	8	1.0%
27.2%	765	780	14	1.9%
28.4%	765	776	10	1.3%
29.6%	748	758	11	1.4%
30.9%	746	744	-1	-0.2%
32.1%	737	740	2	0.3%
33.3%	733	736	3	0.4%
34.6%	726	728	2	0.2%
35.8%	726	725	-1	-0.1%
37.0%	722	723	2	0.2%
38.3%	719	719	0	0.0%
39.5%	717	719	2	0.3%
40.7%	713	711	-1	-0.2%
42.0%	711	706	-5	-0.7%
43.2%	710	697	-13	-1.8%
44.4%	700	692	-8	-1.1%
45.7%	700	689	-11	-1.6%
46.9%	698	666	-32	-4.6%
48.1%	697	662	-35	-5.0%
49.4%	683	655	-28	-4.1%
50.6%	681	642	-39	-5.8%
51.9%	674	627	-47	-7.0%
53.1%	674	623	-50	-7.5%
54.3%	670	616	-54	-8.1%
55.6%	669	599	-70	-10.5%
56.8%	655	594	-61	-9.4%
58.0%	642	591	-51	-7.9%
59.3%	633	588	-45	-7.2%
60.5%	608	585	-22	-3.7%
61.7%	607	581	-26	-4.2%
63.0%	595	570	-25	-4.2%
64.2%	583	569	-15	-2.5%
65.4%	582	568	-14	-2.4%
66.7%	580	564	-16	-2.8%
67.9%	580	547	-33	-5.7%
69.1%	578	543	-35	-6.0%
70.4%	575	530	-45	-7.8%
71.6%	574	516	-59	-10.2%
72.8%	573	513	-60	-10.4%
74.1%	568	509	-59	-10.4%
75.3%	549	507	-42	-7.7%
76.5%	543	503	-40	-7.4%
77.8%	525	502	-23	-4.4%
79.0%	519	488	-31	-6.0%
80.2%	517	482	-35	-6.9%
81.5%	486	481	-5	-1.1%
82.7%	482	477	-5	-1.1%
84.0%	480	477	-3	-0.6%
85.2%	479	468	-11	-2.3%
86.4%	478	446	-32	-6.7%
87.7%	467	443	-24	-5.2%
88.9%	461	437	-24	-5.2%
90.1%	440	434	-6	-1.3%
91.4%	439	432	-8	-1.8%
92.6%	423	430	7	1.6%
93.8%	415	422	7	1.8%
95.1%	413	415	2	0.6%
96.3%	357	405	49	13.6%
97.5%	292	302	10	3.6%
98.8%	274	281	7	2.4%
100.0%	230	150	-79	-34.5%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	972	972	0	0.0%
2.5%	972	972	0	0.0%
3.7%	972	972	0	0.0%
4.9%	972	972	0	0.0%
6.2%	972	972	0	0.0%
7.4%	972	972	0	0.0%
8.6%	972	972	0	0.0%
9.9%	972	972	0	0.0%
11.1%	972	972	0	0.0%
12.3%	972	972	0	0.0%
13.6%	972	972	0	0.0%
14.8%	972	972	0	0.0%
16.0%	972	972	0	0.0%
17.3%	972	972	0	0.0%
18.5%	972	972	0	0.0%
19.8%	972	972	0	0.0%
21.0%	972	972	0	0.0%
22.2%	972	972	0	0.0%
23.5%	972	972	0	0.0%
24.7%	972	971	-1	-0.1%
25.9%	968	940	-27	-2.8%
27.2%	955	936	-20	-2.1%
28.4%	948	935	-13	-1.4%
29.6%	946	933	-13	-1.4%
30.9%	928	921	-7	-0.8%
32.1%	924	911	-13	-1.4%
33.3%	921	909	-12	-1.3%
34.6%	904	893	-11	-1.2%
35.8%	897	886	-10	-1.1%
37.0%	895	881	-14	-1.6%
38.3%	887	877	-10	-1.2%
39.5%	876	853	-22	-2.6%
40.7%	866	843	-23	-2.6%
42.0%	850	832	-18	-2.1%
43.2%	827	813	-14	-1.7%
44.4%	826	792	-34	-4.1%
45.7%	802	785	-16	-2.0%
46.9%	801	772	-29	-3.6%
48.1%	795	759	-37	-4.6%
49.4%	785	755	-30	-3.8%
50.6%	777	744	-33	-4.2%
51.9%	770	733	-37	-4.8%
53.1%	753	731	-21	-2.9%
54.3%	749	731	-18	-2.4%
55.6%	745	714	-31	-4.1%
56.8%	725	701	-24	-3.3%
58.0%	694	698	3	0.5%
59.3%	691	681	-10	-1.4%
60.5%	677	672	-5	-0.7%
61.7%	674	671	-3	-0.4%
63.0%	671	635	-36	-5.4%
64.2%	665	632	-33	-4.9%
65.4%	657	596	-61	-9.3%
66.7%	635	586	-49	-7.7%
67.9%	607	577	-31	-5.1%
69.1%	584	576	-8	-1.4%
70.4%	582	575	-7	-1.2%
71.6%	574	572	-2	-0.4%
72.8%	570	568	-2	-0.3%
74.1%	563	558	-4	-0.8%
75.3%	558	557	-1	-0.2%
76.5%	541	550	8	1.5%
77.8%	532	547	15	2.8%
79.0%	525	536	11	2.1%
80.2%	517	512	-5	-1.0%
81.5%	512	496	-16	-3.2%
82.7%	512	493	-18	-3.6%
84.0%	508	481	-27	-5.2%
85.2%	505	480	-26	-5.1%
86.4%	504	478	-26	-5.1%
87.7%	465	467	2	0.4%
88.9%	462	451	-12	-2.5%
90.1%	462	438	-24	-5.2%
91.4%	449	434	-15	-3.4%
92.6%	422	429	7	1.7%
93.8%	416	410	-6	-1.4%
95.1%	375	398	24	6.4%
96.3%	374	398	25	6.6%
97.5%	364	383	18	5.1%
98.8%	314	285	-29	-9.2%
100.0%	236	242	7	2.8%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	972	972	0	0.0%
2.5%	972	972	0	0.0%
3.7%	972	972	0	0.0%
4.9%	972	972	0	0.0%
6.2%	972	972	0	0.0%
7.4%	972	972	0	0.0%
8.6%	972	972	0	0.0%
9.9%	972	972	0	0.0%
11.1%	972	955	-17	-1.8%
12.3%	965	952	-13	-1.3%
13.6%	953	936	-18	-1.9%
14.8%	953	936	-17	-1.8%
16.0%	953	933	-20	-2.1%
17.3%	937	908	-29	-3.1%
18.5%	926	907	-19	-2.0%
19.8%	920	907	-13	-1.5%
21.0%	916	904	-12	-1.3%
22.2%	912	900	-12	-1.3%
23.5%	912	891	-20	-2.2%
24.7%	911	889	-23	-2.5%
25.9%	903	884	-18	-2.0%
27.2%	901	883	-18	-2.0%
28.4%	900	879	-21	-2.3%
29.6%	895	878	-17	-1.9%
30.9%	895	878	-17	-1.9%
32.1%	889	876	-12	-1.4%
33.3%	889	868	-21	-2.3%
34.6%	880	860	-20	-2.3%
35.8%	830	857	27	3.2%
37.0%	829	835	6	0.7%
38.3%	825	827	1	0.2%
39.5%	799	810	11	1.4%
40.7%	798	799	1	0.1%
42.0%	792	799	7	0.9%
43.2%	782	786	4	0.5%
44.4%	776	768	-8	-1.0%
45.7%	773	736	-37	-4.8%
46.9%	753	736	-17	-2.3%
48.1%	746	731	-15	-2.0%
49.4%	746	709	-37	-5.0%
50.6%	729	698	-32	-4.4%
51.9%	717	682	-35	-4.9%
53.1%	699	676	-23	-3.3%
54.3%	692	666	-26	-3.8%
55.6%	688	665	-22	-3.2%
56.8%	683	664	-19	-2.8%
58.0%	667	646	-21	-3.1%
59.3%	663	632	-31	-4.7%
60.5%	657	623	-34	-5.1%
61.7%	645	622	-22	-3.4%
63.0%	624	609	-14	-2.3%
64.2%	605	604	-1	-0.1%
65.4%	599	594	-6	-0.9%
66.7%	586	585	-1	-0.2%
67.9%	565	564	-1	-0.2%
69.1%	565	563	-2	-0.3%
70.4%	538	541	2	0.4%
71.6%	533	523	-10	-1.9%
72.8%	532	520	-12	-2.2%
74.1%	532	511	-21	-4.0%
75.3%	527	509	-18	-3.4%
76.5%	504	500	-4	-0.7%
77.8%	503	499	-3	-0.6%
79.0%	501	495	-6	-1.1%
80.2%	494	494	1	0.1%
81.5%	484	485	1	0.1%
82.7%	482	476	-6	-1.3%
84.0%	473	460	-13	-2.7%
85.2%	467	450	-17	-3.7%
86.4%	445	433	-12	-2.6%
87.7%	424	397	-27	-6.5%
88.9%	415	387	-28	-6.8%
90.1%	405	379	-26	-6.5%
91.4%	391	377	-14	-3.6%
92.6%	380	364	-16	-4.2%
93.8%	376	352	-24	-6.4%
95.1%	345	351	6	1.9%
96.3%	325	344	19	5.9%
97.5%	317	333	16	5.0%
98.8%	257	266	9	3.5%
100.0%	199	205	7	3.3%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	972	972	0	0.0%
1.2%	972	972	0	0.0%
2.5%	972	972	0	0.0%
3.7%	951	942	-9	-1.0%
4.9%	947	937	-10	-1.0%
6.2%	945	914	-31	-3.3%
7.4%	924	905	-19	-2.1%
8.6%	921	902	-18	-2.0%
9.9%	911	896	-15	-1.6%
11.1%	909	893	-17	-1.9%
12.3%	903	891	-12	-1.3%
13.6%	890	880	-10	-1.1%
14.8%	886	867	-20	-2.2%
16.0%	880	859	-22	-2.5%
17.3%	861	852	-9	-1.1%
18.5%	854	851	-4	-0.4%
19.8%	853	844	-8	-1.0%
21.0%	847	799	-48	-5.7%
22.2%	832	798	-33	-4.0%
23.5%	815	781	-34	-4.2%
24.7%	806	756	-49	-6.1%
25.9%	783	749	-34	-4.3%
27.2%	765	745	-20	-2.6%
28.4%	758	744	-14	-1.9%
29.6%	754	740	-14	-1.8%
30.9%	753	737	-16	-2.1%
32.1%	751	731	-20	-2.6%
33.3%	734	724	-10	-1.4%
34.6%	733	716	-17	-2.3%
35.8%	731	715	-16	-2.2%
37.0%	712	700	-12	-1.7%
38.3%	698	691	-7	-1.1%
39.5%	664	656	-8	-1.2%
40.7%	661	643	-17	-2.6%
42.0%	653	630	-24	-3.7%
43.2%	652	624	-27	-4.2%
44.4%	635	622	-14	-2.1%
45.7%	631	611	-20	-3.1%
46.9%	617	594	-22	-3.6%
48.1%	614	580	-34	-5.6%
49.4%	607	563	-44	-7.2%
50.6%	569	555	-14	-2.5%
51.9%	557	540	-17	-3.0%
53.1%	541	534	-7	-1.2%
54.3%	536	520	-16	-3.0%
55.6%	532	518	-14	-2.7%
56.8%	512	511	0	0.0%
58.0%	511	492	-18	-3.6%
59.3%	509	489	-20	-3.9%
60.5%	503	488	-15	-2.9%
61.7%	499	485	-15	-2.9%
63.0%	496	481	-15	-3.1%
64.2%	494	478	-16	-3.3%
65.4%	492	452	-40	-8.2%
66.7%	459	428	-32	-6.9%
67.9%	452	427	-25	-5.5%
69.1%	439	423	-16	-3.6%
70.4%	437	420	-16	-3.8%
71.6%	430	413	-17	-4.0%
72.8%	413	393	-20	-4.8%
74.1%	409	382	-28	-6.8%
75.3%	405	378	-27	-6.6%
76.5%	403	378	-25	-6.3%
77.8%	392	375	-17	-4.3%
79.0%	390	375	-15	-3.9%
80.2%	384	365	-19	-4.9%
81.5%	381	353	-28	-7.3%
82.7%	362	350	-13	-3.5%
84.0%	355	345	-10	-2.8%
85.2%	344	340	-3	-1.0%
86.4%	310	321	11	3.4%
87.7%	303	295	-9	-2.8%
88.9%	289	275	-14	-4.8%
90.1%	278	264	-14	-4.9%
91.4%	272	250	-21	-7.9%
92.6%	270	250	-20	-7.3%
93.8%	260	246	-13	-5.1%
95.1%	254	246	-8	-3.3%
96.3%	246	234	-12	-4.7%
97.5%	243	217	-25	-10.4%
98.8%	156	181	25	16.1%
100.0%	125	132	6	5.1%

Table SW-44-b

San Luis Reservoir (CVP), End of Month Storage

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	929	921	-8	-0.8%
1.2%	928	915	-14	-1.5%
2.5%	910	907	-4	-0.4%
3.7%	864	875	11	1.2%
4.9%	857	875	18	2.1%
6.2%	849	869	20	2.4%
7.4%	836	869	33	4.0%
8.6%	832	760	-72	-8.6%
9.9%	819	731	-88	-10.8%
11.1%	774	727	-47	-6.1%
12.3%	737	719	-18	-2.4%
13.6%	699	702	3	0.4%
14.8%	697	675	-22	-3.2%
16.0%	696	662	-34	-4.9%
17.3%	665	659	-7	-1.0%
18.5%	654	657	3	0.5%
19.8%	651	654	2	0.3%
21.0%	634	615	-20	-3.1%
22.2%	633	603	-29	-4.6%
23.5%	632	603	-28	-4.5%
24.7%	625	591	-35	-5.5%
25.9%	620	576	-43	-7.0%
27.2%	613	562	-51	-8.3%
28.4%	595	560	-35	-5.8%
29.6%	584	549	-35	-6.0%
30.9%	574	548	-26	-4.5%
32.1%	572	532	-40	-7.0%
33.3%	560	532	-28	-5.1%
34.6%	541	525	-16	-3.0%
35.8%	539	519	-20	-3.7%
37.0%	521	511	-10	-1.9%
38.3%	503	484	-19	-3.8%
39.5%	489	462	-27	-5.5%
40.7%	489	456	-32	-6.6%
42.0%	477	441	-36	-7.6%
43.2%	477	437	-39	-8.3%
44.4%	466	419	-47	-10.0%
45.7%	464	417	-47	-10.1%
46.9%	453	415	-38	-8.4%
48.1%	449	410	-39	-8.7%
49.4%	439	407	-32	-7.4%
50.6%	416	363	-53	-12.7%
51.9%	373	362	-11	-3.0%
53.1%	364	359	-5	-1.5%
54.3%	361	353	-8	-2.2%
55.6%	349	348	-1	-0.3%
56.8%	344	347	3	1.0%
58.0%	340	347	7	2.1%
59.3%	335	345	9	2.8%
60.5%	335	301	-34	-10.3%
61.7%	328	297	-31	-9.4%
63.0%	317	278	-38	-12.0%
64.2%	283	273	-9	-3.3%
65.4%	275	260	-16	-5.7%
66.7%	274	250	-24	-8.9%
67.9%	268	249	-18	-6.8%
69.1%	267	247	-20	-7.4%
70.4%	256	240	-16	-6.1%
71.6%	248	232	-16	-6.6%
72.8%	231	214	-17	-7.5%
74.1%	230	213	-17	-7.5%
75.3%	218	204	-14	-6.2%
76.5%	217	196	-21	-9.6%
77.8%	215	182	-33	-15.3%
79.0%	199	182	-17	-8.6%
80.2%	191	179	-12	-6.4%
81.5%	180	177	-3	-1.6%
82.7%	175	176	0	0.1%
84.0%	169	168	0	-0.2%
85.2%	156	164	7	4.7%
86.4%	140	146	6	3.9%
87.7%	140	143	3	2.2%
88.9%	139	121	-18	-13.3%
90.1%	137	114	-23	-17.0%
91.4%	135	96	-38	-28.5%
92.6%	103	94	-9	-8.7%
93.8%	99	76	-23	-22.9%
95.1%	86	70	-16	-18.8%
96.3%	86	59	-27	-31.0%
97.5%	45	53	8	18.6%
98.8%	45	45	0	0.0%
100.0%	25	45	20	77.1%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	796	841	45	5.7%
1.2%	795	787	-9	-1.1%
2.5%	761	780	19	2.5%
3.7%	727	724	-2	-0.3%
4.9%	699	724	25	3.6%
6.2%	644	591	-54	-8.4%
7.4%	602	585	-18	-2.9%
8.6%	587	579	-7	-1.3%
9.9%	586	574	-12	-2.1%
11.1%	584	546	-39	-6.6%
12.3%	542	534	-8	-1.5%
13.6%	532	531	-1	-0.2%
14.8%	502	480	-22	-4.4%
16.0%	498	469	-29	-5.8%
17.3%	492	461	-31	-6.3%
18.5%	444	454	10	2.3%
19.8%	442	453	11	2.5%
21.0%	433	445	12	2.7%
22.2%	418	386	-32	-7.6%
23.5%	411	385	-26	-6.3%
24.7%	400	380	-20	-5.0%
25.9%	390	380	-10	-2.7%
27.2%	385	369	-16	-4.2%
28.4%	384	360	-24	-6.2%
29.6%	362	354	-8	-2.2%
30.9%	359	344	-15	-4.2%
32.1%	340	335	-5	-1.6%
33.3%	326	326	0	0.0%
34.6%	325	297	-29	-8.8%
35.8%	316	295	-21	-6.7%
37.0%	312	292	-20	-6.4%
38.3%	312	278	-34	-10.9%
39.5%	295	276	-18	-6.2%
40.7%	281	271	-10	-3.5%
42.0%	277	271	-6	-2.3%
43.2%	263	263	0	-0.1%
44.4%	261	263	1	0.4%
45.7%	260	253	-7	-2.6%
46.9%	258	251	-7	-2.9%
48.1%	252	234	-18	-7.0%
49.4%	224	230	6	2.5%
50.6%	221	225	4	1.7%
51.9%	220	223	3	1.1%
53.1%	214	208	-6	-2.8%
54.3%	206	208	2	1.0%
55.6%	199	205	6	2.9%
56.8%	197	193	-4	-2.1%
58.0%	195	191	-3	-1.7%
59.3%	193	189	-4	-1.9%
60.5%	160	180	20	12.6%
61.7%	159	172	13	8.0%
63.0%	159	170	11	6.9%
64.2%	158	167	8	5.4%
65.4%	151	155	4	2.6%
66.7%	136	144	8	5.6%
67.9%	131	132	1	0.8%
69.1%	125	129	4	3.3%
70.4%	121	128	6	5.2%
71.6%	116	124	8	6.8%
72.8%	113	124	11	9.7%
74.1%	108	111	2	2.3%
75.3%	90	94	4	4.8%
76.5%	90	90	0	0.0%
77.8%	70	87	17	24.9%
79.0%	64	86	22	33.7%
80.2%	45	78	33	74.0%
81.5%	45	68	23	50.3%
82.7%	45	65	20	43.7%
84.0%	45	62	17	38.3%
85.2%	45	52	7	16.1%
86.4%	45	45	0	0.8%
87.7%	45	45	0	0.0%
88.9%	45	45	0	0.0%
90.1%	45	45	0	0.0%
91.4%	45	45	0	0.0%
92.6%	45	45	0	0.0%
93.8%	45	45	0	0.0%
95.1%	45	45	0	0.0%
96.3%	45	45	0	0.0%
97.5%	45	45	0	0.0%
98.8%	45	45	0	0.0%
100.0%	45	45	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	733	811	78	10.7%
1.2%	683	659	-24	-3.5%
2.5%	640	647	7	1.1%
3.7%	594	590	-4	-0.7%
4.9%	567	584	17	3.0%
6.2%	508	564	56	11.1%
7.4%	485	560	74	15.4%
8.6%	474	484	10	2.1%
9.9%	471	482	10	2.2%
11.1%	433	467	34	7.9%
12.3%	422	459	37	8.8%
13.6%	379	449	69	18.3%
14.8%	379	414	35	9.2%
16.0%	367	398	31	8.5%
17.3%	353	375	22	6.2%
18.5%	338	341	3	0.9%
19.8%	320	332	12	3.8%
21.0%	310	328	19	6.0%
22.2%	308	321	13	4.4%
23.5%	298	320	22	7.3%
24.7%	280	312	32	11.4%
25.9%	267	309	42	15.9%
27.2%	240	298	58	24.4%
28.4%	237	284	48	20.2%
29.6%	228	275	47	20.5%
30.9%	224	237	13	5.6%
32.1%	223	200	-23	-10.2%
33.3%	215	198	-18	-8.3%
34.6%	200	196	-4	-2.1%
35.8%	197	193	-5	-2.3%
37.0%	192	182	-10	-5.1%
38.3%	178	171	-6	-3.6%
39.5%	173	171	-2	-1.1%
40.7%	173	166	-6	-3.7%
42.0%	163	164	1	0.7%
43.2%	162	162	0	0.2%
44.4%	161	158	-2	-1.5%
45.7%	160	155	-4	-2.7%
46.9%	135	150	15	11.2%
48.1%	134	141	7	5.1%
49.4%	128	122	-5	-4.1%
50.6%	127	117	-9	-7.4%
51.9%	115	116	2	1.3%
53.1%	108	115	6	5.9%
54.3%	106	108	1	1.3%
55.6%	100	103	3	3.3%
56.8%	96	103	7	7.4%
58.0%	93	99	7	7.1%
59.3%	91	95	4	4.3%
60.5%	90	90	0	0.0%
61.7%	90	90	0	0.0%
63.0%	90	90	0	0.0%
64.2%	90	90	0	0.0%
65.4%	90	90	0	0.0%
66.7%	90	90	0	0.0%
67.9%	90	75	-15	-16.1%
69.1%	90	70	-20	-22.2%
70.4%	65	68	3	5.0%
71.6%	64	63	0	-0.8%
72.8%	58	62	4	7.7%
74.1%	46	61	15	33.2%
75.3%	45	54	9	19.5%
76.5%	45	48	3	5.8%
77.8%	45	45	0	0.0%
79.0%	45	45	0	0.0%
80.2%	45	45	0	0.0%
81.5%	45	45	0	0.0%
82.7%	45	45	0	0.0%
84.0%	45	45	0	0.0%
85.2%	45	45	0	0.0%
86.4%	45	45	0	0.0%
87.7%	45	45	0	0.0%
88.9%	45	45	0	0.0%
90.1%	45	45	0	0.0%
91.4%	45	45	0	0.0%
92.6%	45	45	0	0.0%
93.8%	45	45	0	0.0%
95.1%	45	45	0	0.0%
96.3%	45	45	0	0.0%
97.5%	45	45	0	0.0%
98.8%	45	45	0	0.0%
100.0%	45	45	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	791	858	66	8.4%
1.2%	553	630	77	13.9%
2.5%	512	568	56	10.9%
3.7%	503	559	55	11.0%
4.9%	502	515	13	2.6%
6.2%	499	509	10	2.0%
7.4%	469	487	19	4.0%
8.6%	428	467	38	9.0%
9.9%	403	461	58	14.5%
11.1%	384	408	25	6.4%
12.3%	369	407	38	10.4%
13.6%	352	406	54	15.5%
14.8%	349	403	54	15.5%
16.0%	329	311	-17	-5.3%
17.3%	279	299	20	7.0%
18.5%	273	296	23	8.5%
19.8%	271	290	19	7.0%
21.0%	267	260	-6	-2.4%
22.2%	264	256	-8	-2.9%
23.5%	261	253	-8	-3.2%
24.7%	242	244	2	0.8%
25.9%	231	220	-11	-4.8%
27.2%	226	213	-13	-5.8%
28.4%	176	201	25	14.0%
29.6%	172	196	23	13.5%
30.9%	165	190	25	15.2%
32.1%	152	190	37	24.4%
33.3%	150	188	38	25.4%
34.6%	143	181	38	26.9%
35.8%	134	181	47	35.1%
37.0%	133	179	47	35.1%
38.3%	132	179	47	35.5%
39.5%	128	178	50	39.3%
40.7%	124	177	53	42.8%
42.0%	117	174	57	48.3%
43.2%	117	171	55	46.9%
44.4%	116	165	49	41.8%
45.7%	115	161	46	40.4%
46.9%	115	161	46	40.0%
48.1%	114	159	45	39.0%
49.4%	114	159	45	39.1%
50.6%	114	159	44	38.9%
51.9%	114	157	43	37.7%
53.1%	113	156	43	37.7%
54.3%	112	150	38	34.1%
55.6%	107	149	42	39.2%
56.8%	107	145	38	35.5%
58.0%	106	139	33	31.1%
59.3%	105	138	33	31.9%
60.5%	104	135	31	29.6%
61.7%	101	134	33	32.5%
63.0%	100	131	31	31.1%
64.2%	100	129	29	29.0%
65.4%	98	116	18	18.2%
66.7%	96	114	18	19.0%
67.9%	95	113	18	18.5%
69.1%	93	107	14	15.0%
70.4%	92	107	15	16.0%
71.6%	90	106	16	17.5%
72.8%	90	105	15	16.9%
74.1%	90	105	15	16.5%
75.3%	90	104	14	15.3%
76.5%	90	99	9	9.5%
77.8%	90	96	6	6.8%
79.0%	90	95	5	5.7%
80.2%	90	95	5	5.3%
81.5%	88	93	4	4.8%
82.7%	76	92	16	21.4%
84.0%	66	90	24	36.3%
85.2%	65	90	25	38.8%
86.4%	51	90	39	75.3%
87.7%	45	84	39	86.5%
88.9%	45	84	39	86.1%
90.1%	45	69	24	53.5%
91.4%	45	64	19	41.6%
92.6%	45	61	16	35.9%
93.8%	45	59	14	31.6%
95.1%	45	49	4	9.2%
96.3%	45	48	3	6.9%
97.5%	45	45	0	0.0%
98.8%	45	45	0	0.0%
100.0%	45	45	0	0.0%

Figure SW-45-b
San Luis Reservoir (SWP), End of Month Storage
Probability of Exceedance

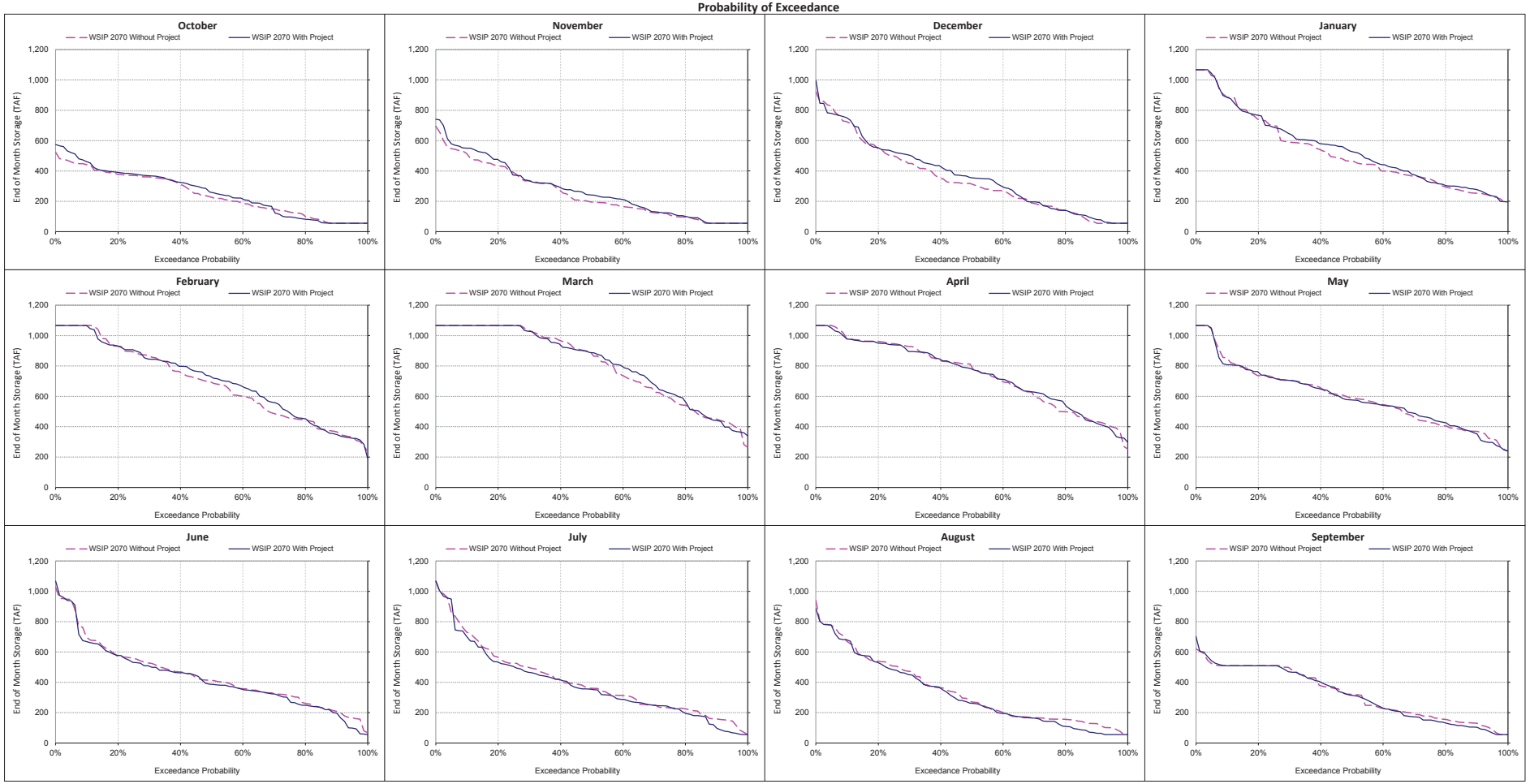


Table SW-45-b

San Luis Reservoir (SWP), End of Month Storage

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	523	575	51	9.8%
1.2%	482	566	84	17.4%
2.5%	475	561	86	18.0%
3.7%	471	533	62	13.2%
4.9%	460	522	62	13.4%
6.2%	451	512	62	13.7%
7.4%	449	481	32	7.1%
8.6%	448	474	26	5.8%
9.9%	442	462	20	4.5%
11.1%	441	454	13	2.9%
12.3%	406	422	16	4.1%
13.6%	405	410	5	1.3%
14.8%	404	404	0	0.0%
16.0%	392	402	10	2.5%
17.3%	389	397	7	1.9%
18.5%	389	395	6	1.4%
19.8%	378	392	14	3.6%
21.0%	378	388	10	2.6%
22.2%	372	384	12	3.3%
23.5%	372	384	12	3.3%
24.7%	370	381	11	3.0%
25.9%	370	378	8	2.3%
27.2%	362	374	12	3.3%
28.4%	361	372	10	2.8%
29.6%	361	370	9	2.4%
30.9%	359	367	8	2.3%
32.1%	355	366	11	3.0%
33.3%	352	361	9	2.5%
34.6%	349	357	8	2.3%
35.8%	347	346	-1	-0.4%
37.0%	342	339	-3	-1.0%
38.3%	334	330	-4	-1.2%
39.5%	313	327	13	4.3%
40.7%	306	322	16	5.2%
42.0%	290	318	28	9.6%
43.2%	272	308	35	13.0%
44.4%	253	303	50	20.0%
45.7%	251	298	46	18.5%
46.9%	237	288	51	21.4%
48.1%	237	286	49	20.6%
49.4%	230	261	31	13.4%
50.6%	223	255	33	14.7%
51.9%	220	250	30	13.8%
53.1%	219	243	25	11.3%
54.3%	211	238	28	13.1%
55.6%	209	237	28	13.2%
56.8%	200	224	24	11.7%
58.0%	200	222	22	11.1%
59.3%	193	222	29	15.2%
60.5%	184	210	26	14.1%
61.7%	182	207	24	13.2%
63.0%	169	190	21	12.4%
64.2%	168	189	21	12.6%
65.4%	161	188	27	16.7%
66.7%	157	174	16	10.4%
67.9%	152	171	18	11.9%
69.1%	150	167	17	11.2%
70.4%	148	122	-26	-17.5%
71.6%	140	115	-25	-17.8%
72.8%	140	100	-39	-28.3%
74.1%	134	97	-37	-27.3%
75.3%	128	97	-30	-23.8%
76.5%	125	94	-32	-25.3%
77.8%	122	88	-35	-28.3%
79.0%	117	85	-32	-27.2%
80.2%	97	82	-15	-15.9%
81.5%	95	79	-16	-16.4%
82.7%	85	77	-8	-9.5%
84.0%	82	74	-8	-10.3%
85.2%	78	59	-19	-24.1%
86.4%	64	58	-6	-9.7%
87.7%	57	55	-2	-3.1%
88.9%	55	55	0	0.0%
90.1%	55	55	0	0.0%
91.4%	55	55	0	0.0%
92.6%	55	55	0	0.0%
93.8%	55	55	0	0.0%
95.1%	55	55	0	0.0%
96.3%	55	55	0	0.0%
97.5%	55	55	0	0.0%
98.8%	55	55	0	0.0%
100.0%	55	55	0	0.0%

November				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	694	740	46	6.6%
1.2%	657	736	80	12.1%
2.5%	601	699	98	16.3%
3.7%	557	614	57	10.2%
4.9%	547	580	32	5.9%
6.2%	543	569	26	4.7%
7.4%	535	564	29	5.4%
8.6%	532	553	21	4.0%
9.9%	515	551	36	7.0%
11.1%	483	550	67	13.9%
12.3%	473	540	67	14.1%
13.6%	473	528	56	11.8%
14.8%	459	523	64	13.9%
16.0%	454	520	66	14.6%
17.3%	452	500	48	10.7%
18.5%	441	477	36	8.2%
19.8%	434	477	43	10.0%
21.0%	432	459	27	6.2%
22.2%	428	455	28	6.5%
23.5%	404	421	17	4.3%
24.7%	392	374	-18	-4.6%
25.9%	377	370	-6	-1.6%
27.2%	352	368	16	4.6%
28.4%	335	341	5	1.6%
29.6%	335	338	2	0.7%
30.9%	334	329	-5	-1.5%
32.1%	328	323	-4	-1.2%
33.3%	318	322	3	1.1%
34.6%	318	321	3	0.9%
35.8%	317	320	3	0.8%
37.0%	317	315	-1	-0.5%
38.3%	295	304	9	2.9%
39.5%	277	296	18	6.6%
40.7%	255	281	26	10.4%
42.0%	248	277	29	11.5%
43.2%	227	276	49	21.6%
44.4%	209	266	57	27.3%
45.7%	208	266	58	27.8%
46.9%	205	260	56	27.1%
48.1%	204	245	41	20.2%
49.4%	197	243	46	23.5%
50.6%	194	241	47	24.2%
51.9%	193	236	43	22.3%
53.1%	191	228	37	19.1%
54.3%	190	227	37	19.7%
55.6%	179	227	48	26.9%
56.8%	177	221	44	24.9%
58.0%	176	216	40	22.6%
59.3%	165	215	50	30.4%
60.5%	164	210	46	27.9%
61.7%	161	198	38	23.5%
63.0%	159	180	22	13.7%
64.2%	153	174	22	14.1%
65.4%	150	164	13	8.9%
66.7%	148	159	11	7.1%
67.9%	131	147	16	12.1%
69.1%	128	132	4	3.2%
70.4%	123	131	8	6.2%
71.6%	122	127	5	4.4%
72.8%	121	125	4	2.9%
74.1%	120	124	4	3.0%
75.3%	107	123	15	14.4%
76.5%	101	113	12	11.5%
77.8%	97	106	9	9.2%
79.0%	96	105	9	9.0%
80.2%	96	101	5	4.8%
81.5%	92	94	2	2.0%
82.7%	84	91	7	8.2%
84.0%	79	91	12	14.5%
85.2%	71	76	5	6.5%
86.4%	55	61	6	10.7%
87.7%	55	55	0	0.0%
88.9%	55	55	0	0.0%
90.1%	55	55	0	0.0%
91.4%	55	55	0	0.0%
92.6%	55	55	0	0.0%
93.8%	55	55	0	0.0%
95.1%	55	55	0	0.0%
96.3%	55	55	0	0.0%
97.5%	55	55	0	0.0%
98.8%	55	55	0	0.0%
100.0%	55	55	0	0.0%

December				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	924	998	74	8.1%
1.2%	861	847	-14	-1.6%
2.5%	860	844	-15	-1.8%
3.7%	836	784	-52	-6.2%
4.9%	829	779	-50	-6.0%
6.2%	787	773	-14	-1.7%
7.4%	765	766	1	0.1%
8.6%	730	759	29	3.9%
9.9%	725	750	25	3.5%
11.1%	712	734	22	3.1%
12.3%	694	694	1	0.1%
13.6%	629	690	61	9.6%
14.8%	603	629	27	4.5%
16.0%	580	597	18	3.1%
17.3%	578	570	-8	-1.4%
18.5%	574	557	-18	-3.1%
19.8%	550	556	6	1.2%
21.0%	543	542	-1	-0.2%
22.2%	517	539	22	4.3%
23.5%	504	538	34	6.7%
24.7%	502	528	26	5.2%
25.9%	492	519	27	5.4%
27.2%	474	516	42	8.9%
28.4%	470	511	41	8.7%
29.6%	450	507	57	12.6%
30.9%	449	498	49	10.8%
32.1%	433	479	46	10.7%
33.3%	417	473	56	13.5%
34.6%	416	455	38	9.2%
35.8%	411	449	38	9.3%
37.0%	397	445	48	12.1%
38.3%	371	436	66	17.8%
39.5%	355	436	81	22.9%
40.7%	349	419	70	19.9%
42.0%	328	404	76	23.1%
43.2%	324	404	79	24.5%
44.4%	324	375	51	15.9%
45.7%	323	373	50	15.6%
46.9%	319	369	51	15.9%
48.1%	318	367	48	15.2%
49.4%	318	357	39	12.3%
50.6%	309	353	44	14.4%
51.9%	299	353	54	18.0%
53.1%	291	351	60	20.6%
54.3%	281	349	68	24.2%
55.6%	280	349	69	24.6%
56.8%	271	339	68	24.9%
58.0%	271	317	46	16.8%
59.3%	271	302	31	11.6%
60.5%	267	290	22	8.4%
61.7%	252	285	33	13.3%
63.0%	235	274	39	16.7%
64.2%	220	247	27	12.1%
65.4%	219	233	14	6.4%
66.7%	217	215	-2	-0.9%
67.9%	212	198	-15	-6.8%
69.1%	189	196	7	3.9%
70.4%	184	196	12	6.5%
71.6%	177	194	17	9.5%
72.8%	175	170	-5	-2.8%
74.1%	169	167	-2	-1.0%
75.3%	168	153	-15	-9.2%
76.5%	163	151	-12	-7.4%
77.8%	146	141	-5	-3.2%
79.0%	142	140	-3	-2.0%
80.2%	142	139	-4	-2.5%
81.5%	128	129	1	0.7%
82.7%	123	117	-5	-4.4%
84.0%	116	112	-4	-3.4%
85.2%	103	110	7	7.1%
86.4%	85	107	21	24.9%
87.7%	69	96	27	39.3%
88.9%	67	86	19	27.9%
90.1%	55	79	24	43.9%
91.4%	55	78	23	42.2%
92.6%	55	63	8	14.9%
93.8%	55	61	6	10.5%
95.1%	55	55	0	0.0%
96.3%	55	55	0	0.0%
97.5%	55	55	0	0.0%
98.8%	55	55	0	0.0%
100.0%	55	55	0	0.0%

January				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,028	1,046	18	1.7%
6.2%	1,024	1,013	-11	-1.1%
7.4%	942	949	6	0.7%
8.6%	908	898	-10	-1.1%
9.9%	887	885	-2	-0.2%
11.1%	883	875	-8	-0.9%
12.3%	882	847	-35	-4.0%
13.6%	809	819	10	1.2%
14.8%	806	796	-10	-1.3%
16.0%	803	788	-15	-1.8%
17.3%	774	780	6	0.8%
18.5%	765	774	9	1.2%
19.8%	742	768	26	3.5%
21.0%	733	763	30	4.1%
22.2%	732	701	-30	-4.2%
23.5%	707	700	-7	-1.0%
24.7%	698	689	-9	-1.2%
25.9%	696	683	-14	-2.0%
27.2%	601	676	76	12.6%
28.4%	596	663	67	11.3%
29.6%	590	648	58	9.8%
30.9%	588	636	47	8.1%
32.1%	587	610	23	4.0%
33.3%	584	608	24	4.1%
34.6%	581	608	26	4.5%
35.8%	580	603	22	3.9%
37.0%	571	602	31	5.3%
38.3%	551	598	47	8.5%
39.5%	543	582	38	7.1%
40.7%	532	577	45	8.6%
42.0%	526	576	50	9.5%
43.2%	495	572	77	15.6%
44.4%	492	569	77	15.7%
45.7%	486	563	77	15.8%
46.9%	481	560	79	16.5%
48.1%	466	546	80	17.1%
49.4%	466	532	65	14.0%
50.6%	463	525	62	13.4%
51.9%	451	519	68	15.0%
53.1%	446	505	59	13.2%
54.3%	444	483	39	8.7%
55.6%	444	478	34	7.7%
56.8%	444	464	20	4.6%
58.0%	440	454	14	3.2%
59.3%	401	443	42	10.5%
60.5%	400	442	42	10.4%
61.7%	399	429	30	7.5%
63.0%	395	424	29	7.3%
64.2%	392	420	28	7.1%
65.4%	383	408	25	6.6%
66.7%	376	400	24	6.4%
67.9%	373	399	27	7.2%
69.1%	367	378	12	3.1%
70.4%	367	373	6	1.7%
71.6%	362	360	-2	-0.5%
72.8%	356	350	-6	-1.7%
74.1%	350	331	-19	-5.5%
75.3%	345	324	-20	-5.9%
76.5%	333	323	-10	-3.1%
77.8%	312	317	5	1.6%
79.0%	301	312	11	3.7%
80.2%	293	302	9	3.0%
81.5%	288	301	13	4.5%
82.7%	280	301	21	7.4%
84.0%	277	299	21	7.7%
85.2%	270	292	22	8.2%
86.4%	266	292	26	9.9%
87.7%	257	283	26	10.0%
88.9%	255	282	27	10.7%
90.1%	253	276	23	9.1%
91.4%	252	269	17	6.6%
92.6%	247	257	10	4.0%
93.8%	242	242	0	0.1%
95.1%	228	235	7	2.9%
96.3%	227	231	4	1.8%
97.5%	216	200	-17	-7.7%
98.8%	197	197	0	-0.2%
100.0%	197	197	-1	-0.3%

Table SW-45-b

San Luis Reservoir (SWP), End of Month Storage

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,067	1,067	0	0.0%
7.4%	1,067	1,067	0	0.0%
8.6%	1,067	1,067	0	0.0%
9.9%	1,067	1,067	0	0.0%
11.1%	1,067	1,047	-20	-1.9%
12.3%	1,061	1,040	-22	-2.0%
13.6%	1,040	978	-63	-6.0%
14.8%	981	958	-23	-2.3%
16.0%	979	948	-31	-3.2%
17.3%	948	939	-9	-0.9%
18.5%	932	937	5	0.6%
19.8%	931	933	2	0.2%
21.0%	928	922	-6	-0.6%
22.2%	898	908	9	1.0%
23.5%	896	907	11	1.2%
24.7%	894	907	13	1.5%
25.9%	886	898	12	1.4%
27.2%	875	888	13	1.5%
28.4%	873	854	-20	-2.3%
29.6%	870	846	-24	-2.8%
30.9%	857	844	-13	-1.6%
32.1%	854	844	-10	-1.2%
33.3%	837	838	2	0.2%
34.6%	833	830	-4	-0.5%
35.8%	820	829	9	1.2%
37.0%	775	820	45	5.9%
38.3%	765	819	54	7.1%
39.5%	765	798	33	4.3%
40.7%	749	797	49	6.5%
42.0%	735	796	61	8.3%
43.2%	730	777	48	6.5%
44.4%	723	767	44	6.1%
45.7%	716	763	48	6.7%
46.9%	707	759	52	7.4%
48.1%	700	740	40	5.7%
49.4%	698	734	35	5.1%
50.6%	685	719	34	5.0%
51.9%	680	716	36	5.3%
53.1%	678	706	28	4.1%
54.3%	670	701	31	4.6%
55.6%	649	698	49	7.5%
56.8%	609	684	75	12.3%
58.0%	607	682	75	12.3%
59.3%	603	670	68	11.2%
60.5%	599	658	58	9.7%
61.7%	592	648	56	9.5%
63.0%	587	635	48	8.1%
64.2%	553	633	80	14.4%
65.4%	552	601	49	8.9%
66.7%	522	595	73	14.0%
67.9%	504	570	66	13.1%
69.1%	492	562	70	14.2%
70.4%	484	558	73	15.1%
71.6%	478	546	68	14.2%
72.8%	472	515	43	9.2%
74.1%	462	505	43	9.3%
75.3%	454	486	32	7.1%
76.5%	453	466	13	3.0%
77.8%	448	457	9	2.1%
79.0%	446	455	9	1.9%
80.2%	443	449	7	1.5%
81.5%	437	424	-13	-3.0%
82.7%	433	410	-23	-5.3%
84.0%	385	402	17	4.4%
85.2%	383	383	0	-0.1%
86.4%	381	375	-6	-1.5%
87.7%	374	358	-16	-4.2%
88.9%	371	355	-17	-4.5%
90.1%	366	347	-18	-5.0%
91.4%	345	337	-9	-2.6%
92.6%	341	333	-8	-2.3%
93.8%	334	329	-5	-1.5%
95.1%	334	323	-11	-3.3%
96.3%	309	321	12	3.8%
97.5%	302	312	10	3.3%
98.8%	272	282	10	3.5%
100.0%	237	191	-46	-19.2%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,067	1,067	0	0.0%
7.4%	1,067	1,067	0	0.0%
8.6%	1,067	1,067	0	0.0%
9.9%	1,067	1,067	0	0.0%
11.1%	1,067	1,067	0	0.0%
12.3%	1,067	1,067	0	0.0%
13.6%	1,067	1,067	0	0.0%
14.8%	1,067	1,067	0	0.0%
16.0%	1,067	1,067	0	0.0%
17.3%	1,067	1,067	0	0.0%
18.5%	1,067	1,067	0	0.0%
19.8%	1,067	1,067	0	0.0%
21.0%	1,067	1,067	0	0.0%
22.2%	1,067	1,067	0	0.0%
23.5%	1,067	1,067	0	0.0%
24.7%	1,067	1,067	0	0.0%
25.9%	1,067	1,067	0	0.0%
27.2%	1,067	1,064	-3	-0.3%
28.4%	1,050	1,034	-16	-1.5%
29.6%	1,037	1,029	-8	-0.8%
30.9%	1,024	1,027	3	0.3%
32.1%	1,016	1,002	-14	-1.4%
33.3%	1,003	986	-17	-1.7%
34.6%	989	981	-8	-0.8%
35.8%	986	980	-6	-0.6%
37.0%	983	956	-27	-2.8%
38.3%	983	953	-30	-3.1%
39.5%	970	946	-24	-2.5%
40.7%	961	922	-39	-4.0%
42.0%	957	921	-36	-3.8%
43.2%	939	915	-24	-2.5%
44.4%	913	909	-4	-0.4%
45.7%	910	904	-6	-0.7%
46.9%	904	903	-2	-0.2%
48.1%	899	897	-2	-0.3%
49.4%	896	888	-8	-0.9%
50.6%	865	886	22	2.5%
51.9%	864	877	13	1.5%
53.1%	828	869	41	5.0%
54.3%	826	842	16	2.0%
55.6%	802	837	35	4.4%
56.8%	802	812	10	1.2%
58.0%	747	809	62	8.2%
59.3%	743	805	61	8.3%
60.5%	730	787	57	7.8%
61.7%	717	780	64	8.9%
63.0%	711	762	50	7.1%
64.2%	697	761	64	9.2%
65.4%	693	743	49	7.1%
66.7%	666	738	72	10.8%
67.9%	659	716	57	8.7%
69.1%	657	691	34	5.2%
70.4%	626	672	46	7.3%
71.6%	625	645	20	3.2%
72.8%	608	639	31	5.1%
74.1%	596	626	31	5.2%
75.3%	588	620	32	5.4%
76.5%	565	611	46	8.1%
77.8%	548	597	49	8.9%
79.0%	543	590	47	8.7%
80.2%	541	559	18	3.3%
81.5%	528	514	-14	-2.6%
82.7%	506	509	2	0.5%
84.0%	484	507	23	4.7%
85.2%	470	485	16	3.3%
86.4%	459	468	9	2.0%
87.7%	457	454	-3	-0.6%
88.9%	453	443	-11	-2.3%
90.1%	449	439	-10	-2.1%
91.4%	440	435	-5	-1.0%
92.6%	432	397	-35	-8.1%
93.8%	429	396	-32	-7.5%
95.1%	411	375	-37	-8.9%
96.3%	395	369	-26	-6.7%
97.5%	392	365	-26	-6.8%
98.8%	281	359	78	27.8%
100.0%	264	339	75	28.5%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,051	-16	-1.5%
6.2%	1,059	1,030	-29	-2.7%
7.4%	1,040	1,024	-16	-1.5%
8.6%	1,021	1,001	-20	-2.0%
9.9%	980	977	-3	-0.3%
11.1%	978	976	-2	-0.2%
12.3%	973	970	-3	-0.3%
13.6%	972	966	-5	-0.6%
14.8%	966	963	-3	-0.3%
16.0%	964	963	-1	-0.1%
17.3%	963	962	-1	-0.1%
18.5%	963	962	-1	-0.1%
19.8%	962	952	-10	-1.1%
21.0%	959	949	-10	-1.1%
22.2%	956	949	-7	-0.8%
23.5%	948	942	-6	-0.6%
24.7%	947	940	-7	-0.7%
25.9%	944	938	-6	-0.7%
27.2%	937	938	0	0.0%
28.4%	934	920	-14	-1.5%
29.6%	928	896	-32	-3.5%
30.9%	928	896	-32	-3.5%
32.1%	915	893	-22	-2.4%
33.3%	895	893	-2	-0.3%
34.6%	886	890	4	0.4%
35.8%	885	887	2	0.2%
37.0%	854	875	21	2.5%
38.3%	850	852	2	0.3%
39.5%	837	847	10	1.1%
40.7%	830	834	4	0.5%
42.0%	829	833	4	0.5%
43.2%	827	821	-6	-0.7%
44.4%	823	813	-10	-1.2%
45.7%	820	805	-14	-1.7%
46.9%	815	793	-21	-2.6%
48.1%	814	790	-24	-2.9%
49.4%	813	784	-29	-3.6%
50.6%	772	774	2	0.2%
51.9%	770	767	-2	-0.3%
53.1%	753	755	2	0.3%
54.3%	752	749	-2	-0.3%
55.6%	741	747	6	0.8%
56.8%	728	744	16	2.2%
58.0%	721	716	-5	-0.6%
59.3%	703	713	10	1.4%
60.5%	692	710	18	2.6%
61.7%	691	698	7	1.0%
63.0%	667	690	22	3.4%
64.2%	664	666	2	0.4%
65.4%	650	652	1	0.2%
66.7%	634	635	1	0.2%
67.9%	629	633	4	0.6%
69.1%	629	630	2	0.3%
70.4%	591	626	35	5.9%
71.6%	588	622	34	5.7%
72.8%	567	616	49	8.6%
74.1%	554	598	44	7.9%
75.3%	551	583	32	5.8%
76.5%	535	578	43	8.0%
77.8%	501	574	73	14.6%
79.0%	499	568	69	13.9%
80.2%	498	534	35	7.1%
81.5%	494	516	22	4.5%
82.7%	492	502	11	2.1%
84.0%	467	491	23	5.0%
85.2%	464	478	13	2.9%
86.4%	459	446	-13	-2.9%
87.7%	445	437	-8	-1.8%
88.9%	436	433	-3	-0.6%
90.1%	433	421	-13	-3.0%
91.4%	428	413	-15	-3.5%
92.6%	420	403	-17	-4.0%
93.8%	407	396	-12	-2.9%
95.1%	398	370	-27	-6.9%
96.3%	391	334	-57	-14.6%
97.5%	364	327	-37	-10.1%
98.8%	269	325	56	20.9%
100.0%	252	296	44	17.4%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,044	1,051	8	0.7%
6.2%	963	953	-11	-1.1%
7.4%	908	854	-54	-6.0%
8.6%	857	815	-41	-4.8%
9.9%	852	809	-43	-5.1%
11.1%	822	808	-14	-1.7%
12.3%	813	804	-9	-1.1%
13.6%	797	804	7	0.8%
14.8%	792	797	5	0.6%
16.0%	787	775	-12	-1.5%
17.3%	770	773	3	0.4%
18.5%	751	764	13	1.8%
19.8%	736	763	27	3.7%
21.0%	735	740	4	0.6%
22.2%	735	739	4	0.6%
23.5%	733	724	-9	-1.3%
24.7%	725	723	-2	-0.3%
25.9%	720	713	-7	-1.0%
27.2%	710	709	-1	-0.1%
28.4%	706	709	3	0.4%
29.6%	705	706	2	0.2%
30.9%	703	703	0	0.0%
32.1%	698	699	1	0.2%
33.3%	696	687	-9	-1.3%
34.6%	681	681	0	0.0%
35.8%	678	680	2	0.3%
37.0%	677	663	-13	-1.9%
38.3%	670	655	-14	-2.2%
39.5%	661	651	-10	-1.5%
40.7%	645	644	-1	-0.2%
42.0%	623	641	18	2.9%
43.2%	618	623	5	0.8%
44.4%	616	608	-9	-1.4%
45.7%	610	603	-7	-1.1%
46.9%	609	587	-22	-3.6%
48.1%	600	578	-22	-3.6%
49.4%	591	578	-13	-2.2%
50.6%	588	576	-13	-2.2%
51.9%	584	574	-9	-1.6%
53.1%	581	562	-18	-3.2%
54.3%	578	557	-21	-3.6%
55.6%	569	557	-12	-2.1%
56.8%	563	551	-12	-2.2%
58.0%	553	550	-3	-0.6%
59.3%	546	543	-2	-0.4%
60.5%	544	539	-5	-0.9%
61.7%	538	536	-1	-0.2%
63.0%	537	536	-1	-0.2%
64.2%	522	529	7	1.4%
65.4%	515	526	10	2.0%
66.7%	487	521	34	7.0%
67.9%	482	494	12	2.4%
69.1%	474	492	18	3.9%
70.4%	455	487	32	7.0%
71.6%	442	471	29	6.5%
72.8%	438	466	28	6.3%
74.1%	435	462	28	6.4%
75.3%	426	456	30	6.9%
76.5%	423	440	17	3.9%
77.8%	413	435	21	5.2%
79.0%	405	430	25	6.2%
80.2%	405	424	19	4.7%
81.5%	392	406	15	3.7%
82.7%	391	406	15	3.9%
84.0%	386	401	15	3.9%
85.2%	380	388	7	2.0%
86.4%	374	378	4	1.1%
87.7%	371	372	0	0.1%
88.9%	369	362	-7	-2.0%
90.1%	369	351	-18	-4.9%
91.4%	362	311	-51	-14.2%
92.6%	354	301	-53	-15.1%
93.8%	322	297	-25	-7.7%
95.1%	321	297	-25	-7.8%
96.3%	311	275	-35	-11.4%
97.5%	272	266	-6	-2.2%
98.8%	252	246	-6	-2.3%
100.0%	236	239	3	1.2%

Table SW-45-b

San Luis Reservoir (SWP), End of Month Storage

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,027	1,067	40	3.9%
1.2%	953	973	20	2.1%
2.5%	952	960	8	0.8%
3.7%	948	940	-8	-0.8%
4.9%	947	937	-10	-1.0%
6.2%	881	909	28	3.2%
7.4%	770	717	-53	-6.9%
8.6%	764	676	-88	-11.5%
9.9%	696	669	-27	-3.9%
11.1%	679	661	-18	-2.6%
12.3%	676	656	-20	-2.9%
13.6%	675	652	-23	-3.4%
14.8%	641	635	-6	-1.0%
16.0%	626	609	-17	-2.8%
17.3%	611	598	-13	-2.1%
18.5%	594	586	-8	-1.3%
19.8%	572	578	6	1.0%
21.0%	567	577	9	1.6%
22.2%	566	558	-8	-1.5%
23.5%	563	546	-17	-3.0%
24.7%	559	532	-27	-4.8%
25.9%	552	530	-22	-4.0%
27.2%	542	526	-16	-2.9%
28.4%	533	509	-24	-4.5%
29.6%	528	509	-19	-3.6%
30.9%	524	499	-25	-4.8%
32.1%	514	498	-16	-3.1%
33.3%	501	480	-22	-4.3%
34.6%	495	480	-15	-3.1%
35.8%	487	479	-8	-1.7%
37.0%	478	472	-6	-1.2%
38.3%	471	465	-6	-1.4%
39.5%	469	464	-6	-1.2%
40.7%	467	463	-4	-0.9%
42.0%	457	459	1	0.3%
43.2%	457	456	-1	-0.2%
44.4%	439	449	10	2.4%
45.7%	425	439	14	3.3%
46.9%	418	414	-4	-0.9%
48.1%	415	393	-21	-5.1%
49.4%	414	388	-26	-6.2%
50.6%	411	385	-26	-6.3%
51.9%	406	383	-23	-5.7%
53.1%	402	380	-22	-5.5%
54.3%	399	380	-19	-4.7%
55.6%	394	375	-19	-4.9%
56.8%	382	371	-11	-3.0%
58.0%	362	364	2	0.6%
59.3%	359	358	-1	-0.3%
60.5%	357	349	-7	-2.1%
61.7%	357	347	-9	-2.6%
63.0%	348	345	-3	-0.9%
64.2%	348	341	-7	-1.9%
65.4%	338	338	0	0.0%
66.7%	332	334	3	0.8%
67.9%	330	329	-1	-0.3%
69.1%	330	324	-6	-1.7%
70.4%	325	323	-2	-0.7%
71.6%	322	312	-10	-3.1%
72.8%	320	303	-17	-5.3%
74.1%	316	301	-15	-4.7%
75.3%	311	268	-43	-13.8%
76.5%	304	266	-38	-12.5%
77.8%	302	256	-45	-15.0%
79.0%	267	249	-17	-6.5%
80.2%	260	248	-11	-4.4%
81.5%	257	244	-13	-5.2%
82.7%	242	240	-3	-1.1%
84.0%	239	239	-1	-0.2%
85.2%	233	233	0	0.0%
86.4%	225	221	-4	-2.0%
87.7%	223	220	-3	-1.2%
88.9%	214	201	-13	-6.0%
90.1%	209	196	-13	-6.3%
91.4%	198	163	-35	-17.9%
92.6%	178	142	-36	-20.0%
93.8%	169	101	-68	-40.3%
95.1%	165	98	-67	-40.7%
96.3%	160	94	-67	-41.6%
97.5%	157	61	-96	-61.3%
98.8%	80	58	-22	-27.2%
100.0%	68	55	-13	-18.7%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	998	1,004	6	0.6%
2.5%	983	969	-14	-1.4%
3.7%	959	957	-2	-0.2%
4.9%	860	950	90	10.5%
6.2%	836	746	-89	-10.7%
7.4%	799	741	-58	-7.2%
8.6%	762	739	-23	-3.0%
9.9%	731	703	-28	-3.8%
11.1%	721	672	-48	-6.7%
12.3%	695	670	-25	-3.6%
13.6%	673	633	-40	-6.0%
14.8%	636	630	-6	-1.0%
16.0%	624	590	-34	-5.5%
17.3%	616	557	-59	-9.6%
18.5%	574	537	-37	-6.5%
19.8%	567	534	-33	-5.8%
21.0%	548	523	-26	-4.7%
22.2%	534	519	-15	-2.8%
23.5%	527	513	-13	-2.5%
24.7%	526	505	-21	-4.1%
25.9%	525	493	-32	-6.1%
27.2%	509	488	-21	-4.2%
28.4%	504	473	-31	-6.2%
29.6%	499	467	-33	-6.5%
30.9%	492	463	-29	-5.9%
32.1%	488	456	-32	-6.5%
33.3%	470	445	-25	-5.3%
34.6%	463	443	-20	-4.3%
35.8%	452	438	-14	-3.1%
37.0%	451	431	-20	-4.5%
38.3%	421	422	1	0.2%
39.5%	419	421	2	0.4%
40.7%	397	409	12	2.9%
42.0%	396	406	10	2.4%
43.2%	394	380	-14	-3.6%
44.4%	392	369	-23	-5.8%
45.7%	387	361	-26	-6.6%
46.9%	381	357	-23	-6.2%
48.1%	366	356	-10	-2.7%
49.4%	361	356	-5	-1.3%
50.6%	360	352	-8	-2.3%
51.9%	359	349	-10	-2.8%
53.1%	342	318	-23	-6.8%
54.3%	338	318	-20	-6.0%
55.6%	323	315	-8	-2.3%
56.8%	316	308	-8	-2.4%
58.0%	315	292	-23	-7.3%
59.3%	314	288	-27	-8.5%
60.5%	312	287	-25	-8.0%
61.7%	310	278	-32	-10.3%
63.0%	303	270	-32	-10.6%
64.2%	287	268	-19	-6.8%
65.4%	256	266	11	4.3%
66.7%	255	260	5	2.1%
67.9%	252	254	2	1.0%
69.1%	251	251	0	0.0%
70.4%	249	247	-1	-0.6%
71.6%	236	246	10	4.3%
72.8%	234	245	12	5.0%
74.1%	233	244	10	4.3%
75.3%	231	234	3	1.4%
76.5%	231	225	-6	-2.6%
77.8%	230	224	-5	-2.4%
79.0%	229	205	-24	-10.3%
80.2%	224	195	-29	-13.0%
81.5%	220	189	-30	-13.8%
82.7%	212	181	-32	-15.0%
84.0%	210	180	-30	-14.3%
85.2%	183	177	-6	-3.2%
86.4%	182	173	-9	-4.7%
87.7%	163	124	-38	-23.6%
88.9%	159	123	-36	-22.8%
90.1%	158	96	-62	-39.1%
91.4%	154	87	-67	-43.6%
92.6%	153	77	-76	-49.5%
93.8%	148	75	-73	-49.5%
95.1%	145	68	-77	-53.3%
96.3%	115	65	-50	-43.7%
97.5%	84	57	-27	-31.8%
98.8%	70	55	-15	-21.5%
100.0%	55	55	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	940	885	-54	-5.8%
1.2%	806	802	-4	-0.5%
2.5%	782	781	0	0.0%
3.7%	781	780	-1	-0.2%
4.9%	776	777	2	0.2%
6.2%	759	719	-40	-5.3%
7.4%	724	688	-36	-5.0%
8.6%	709	682	-26	-3.7%
9.9%	671	680	9	1.3%
11.1%	654	670	17	2.5%
12.3%	642	597	-45	-7.0%
13.6%	587	582	-5	-0.9%
14.8%	580	578	-2	-0.3%
16.0%	565	573	9	1.5%
17.3%	547	573	26	4.7%
18.5%	543	538	-5	-0.9%
19.8%	539	532	-7	-1.3%
21.0%	536	519	-17	-3.2%
22.2%	535	502	-33	-6.3%
23.5%	516	490	-26	-5.0%
24.7%	507	484	-23	-4.6%
25.9%	507	478	-28	-5.6%
27.2%	489	464	-24	-5.0%
28.4%	478	462	-16	-3.4%
29.6%	473	451	-21	-4.5%
30.9%	471	448	-22	-4.8%
32.1%	438	427	-11	-2.6%
33.3%	437	412	-25	-5.7%
34.6%	386	386	-1	-0.2%
35.8%	383	377	-6	-1.7%
37.0%	369	374	5	1.4%
38.3%	367	372	5	1.3%
39.5%	364	369	6	1.5%
40.7%	363	349	-13	-3.7%
42.0%	348	334	-14	-3.9%
43.2%	339	314	-25	-7.4%
44.4%	336	299	-37	-11.0%
45.7%	325	281	-44	-13.4%
46.9%	296	280	-16	-5.3%
48.1%	295	272	-23	-7.8%
49.4%	273	263	-10	-3.8%
50.6%	269	260	-9	-3.4%
51.9%	267	257	-9	-3.5%
53.1%	251	247	-3	-1.3%
54.3%	241	236	-5	-2.3%
55.6%	230	232	2	1.0%
56.8%	217	223	5	2.5%
58.0%	215	201	-14	-6.4%
59.3%	207	196	-11	-5.5%
60.5%	192	196	4	1.9%
61.7%	186	189	3	1.5%
63.0%	176	181	5	2.8%
64.2%	175	175	0	0.2%
65.4%	174	174	0	-0.1%
66.7%	173	167	-6	-3.3%
67.9%	171	166	-5	-2.7%
69.1%	168	165	-3	-1.7%
70.4%	166	163	-3	-1.7%
71.6%	166	158	-7	-4.3%
72.8%	164	144	-20	-12.3%
74.1%	159	143	-16	-10.1%
75.3%	158	142	-16	-9.9%
76.5%	157	142	-15	-9.7%
77.8%	157	126	-31	-20.0%
79.0%	157	111	-46	-29.1%
80.2%	156	109	-47	-29.9%
81.5%	153	107	-46	-30.0%
82.7%	152	96	-57	-37.3%
84.0%	145	91	-54	-37.0%
85.2%	142	87	-56	-39.2%
86.4%	135	85	-49	-36.6%
87.7%	129	72	-58	-44.5%
88.9%	129	69	-60	-46.5%
90.1%	128	64	-64	-49.8%
91.4%	114	64	-50	-44.0%
92.6%	102	55	-47	-46.1%
93.8%	102	55	-47	-45.8%
95.1%	101	55	-46	-45.4%
96.3%	89	55	-34	-37.9%
97.5%	77	55	-22	-28.3%
98.8%	55	55	0	0.0%
100.0%	55	55	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	619	702	83	13.5%
1.2%	609	603	-5	-0.8%
2.5%	589	600	11	1.8%
3.7%	546	569	23	4.2%
4.9%	524	543	19	3.6%
6.2%	515	527	12	2.4%
7.4%	510	518	8	1.6%
8.6%	510	510	0	0.1%
9.9%	510	510	0	0.0%
11.1%	510	510	0	0.0%
12.3%	510	510	0	0.0%
13.6%	510	510	0	0.0%
14.8%	510	510	0	0.0%
16.0%	510	510	0	0.0%
17.3%	510	510	0	0.0%
18.5%	510	510	0	0.0%
19.8%	510	510	0	0.0%
21.0%	510	510	0	0.0%
22.2%	510	510	0	0.0%
23.5%	510	510	0	0.0%
24.7%	510	510	0	0.0%
25.9%	510	510	0	0.0%
27.2%	510	498	-12	-2.3%
28.4%	499	485	-14	-2.9%
29.6%	498	469	-29	-5.9%
30.9%	480	467	-12	-2.6%
32.1%	468	467	-1	-0.2%
33.3%	454	452	-2	-0.4%
34.6%	440	448	8	1.7%
35.8%	431	426	-5	-1.1%
37.0%	431	422	-8	-1.9%
38.3%	429	412	-17	-3.9%
39.5%	380	406	26	6.9%
40.7%	373	392	19	5.1%
42.0%	368	383	15	4.1%
43.2%	365	372	6	1.7%
44.4%	360	367	8	2.2%
45.7%	357	340	-17	-4.7%
46.9%	332	333	1	0.3%
48.1%	322	322	0	0.0%
49.4%	322	315	-6	-1.9%
50.6%	320	313	-7	-2.2%
51.9%	318	309	-9	-2.7%
53.1%	314	298	-16	-5.1%
54.3%	248	288	40	16.0%
55.6%	248	276	28	11.3%
56.8%	247	263	15	6.2%
58.0%	240	248	8	3.4%
59.3%	230	238	8	3.3%
60.5%	228	226	-2	-0.8%
61.7%	219	224	5	2.1%
63.0%	218	214	-4	-1.7%
64.2%	215	210	-5	-2.3%
65.4%	209	208	-1	-0.4%
66.7%	205	180	-25	-12.2%
67.9%	200	177	-23	-11.4%
69.1%	198	174	-24	-12.2%
70.4%	188	172	-16	-8.5%
71.6%	187	170	-17	-8.8%
72.8%	178	152	-26	-14.8%
74.1%	178	151	-26	-14.8%
75.3%	176	151	-25	-14.4%
76.5%	165	147	-18	-10.9%
77.8%	164	139	-24	-14.9%
79.0%	157	138	-19	-11.9%
80.2%	155	131	-24	-15.6%
81.5%	148	124	-24	-16.0%
82.7%	146	121	-25	-16.9%
84.0%	139	115	-24	-17.3%
85.2%	136	115	-21	-15.4%
86.4%	135	110	-25	-18.4%
87.7%	134	105	-29	-21.4%
88.9%	132	105	-27	-20.4%
90.1%	130	103	-27	-20.8%
91.4%	117	91	-26	-22.0%
92.6%	111	91	-21	-18.5%
93.8%	102	78	-25	-24.3%
95.1%	88	65	-22	-25.3%
96.3%	67	55	-12	-17.4%
97.5%	55	55	0	0.0%
98.8%	55	55	0	0.0%
100.0%	55	55	0	0.0%

DSM2/CALSIM II Export Loading Reporting Metrics

weighted average of all values of monthly simulation

Average Export Weighted Water Quality (Average of All Years)	**WSIP 2030 WPROJ FINAL**	**WSIP 2030**	**WSIP 2030 WPROJ FINAL minus WSIP 2030**
Banks PP Exports			
EC (umhos/cm)	418.08	413.85	4.23
TDS (mg/l)	232.57	230.33	2.24
Chloride (mg/l)	69.32	68.19	1.13
Bromide (mg/l)	0.2261	0.2223	0.00
Jones PP Exports			
EC (umhos/cm)	469.49	472.79	-3.31
TDS (mg/l)	260.63	262.48	-1.85
Chloride (mg/l)	81.58	82.28	-0.70
Bromide (mg/l)	0.2660	0.2682	0.00
CCWD Exports (RS, OR and VC)			
EC (umhos/cm)	335.16	334.42	0.74
TDS (mg/l)	187.69	187.35	0.34
Chloride (mg/l)	48.66	48.40	0.26
Bromide (mg/l)	0.1585	0.1575	0.00

Average Export Weighted Water Quality (Critical and Dry Years)	**WSIP 2030 WPROJ FINAL**	**WSIP 2030**	**WSIP 2030 WPROJ FINAL minus WSIP 2030**
Banks PP Exports			
EC (umhos/cm)	558.90	558.23	0.67
TDS (mg/l)	307.59	307.31	0.27
Chloride (mg/l)	106.14	105.80	0.34
Bromide (mg/l)	0.3497	0.3484	0.00
Jones PP Exports			
EC (umhos/cm)	598.14	601.34	-3.21
TDS (mg/l)	329.02	330.80	-1.78
Chloride (mg/l)	115.51	116.21	-0.70
Bromide (mg/l)	0.3800	0.3822	0.00
CCWD Exports (RS, OR and VC)			
EC (umhos/cm)	399.58	399.59	-0.01
TDS (mg/l)	221.65	221.69	-0.05
Chloride (mg/l)	65.81	65.75	0.05
Bromide (mg/l)	0.2171	0.2169	0.00

Notes:

[1] Increases from the No Action Alternative.

[2] Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003. Average annual increases are based on average quantities for October 1921 through September 2003.

DSM2/CALSIM II Export Loading Reporting Metrics

weighted average of all values of monthly simulation

Average Export Weighted Water Quality (Average of All Years)	**WSIP 2070 WPROJ FINAL**	**WSIP 2070**	**WSIP 2070 WPROJ FINAL minus WSIP 2070**
Banks PP Exports			
EC (umhos/cm)	404.90	401.27	3.63
TDS (mg/l)	225.36	223.47	1.89
Chloride (mg/l)	66.31	65.31	1.00
Bromide (mg/l)	0.2163	0.2128	0.00
Jones PP Exports			
EC (umhos/cm)	470.00	474.51	-4.51
TDS (mg/l)	260.95	263.49	-2.54
Chloride (mg/l)	81.73	82.67	-0.94
Bromide (mg/l)	0.2663	0.2692	0.00
CCWD Exports (RS, OR and VC)			
EC (umhos/cm)	336.34	338.16	-1.82
TDS (mg/l)	188.23	189.19	-0.96
Chloride (mg/l)	49.13	49.62	-0.49
Bromide (mg/l)	0.1602	0.1619	0.00

Average Export Weighted Water Quality (Critical and Dry Years)	**WSIP 2070 WPROJ FINAL**	**WSIP 2070**	**WSIP 2070 WPROJ FINAL minus WSIP 2070**
Banks PP Exports			
EC (umhos/cm)	532.85	539.54	-6.69
TDS (mg/l)	293.59	297.23	-3.64
Chloride (mg/l)	99.41	101.05	-1.64
Bromide (mg/l)	0.3275	0.3328	-0.01
Jones PP Exports			
EC (umhos/cm)	579.51	588.61	-9.10
TDS (mg/l)	319.07	324.09	-5.02
Chloride (mg/l)	110.63	112.69	-2.06
Bromide (mg/l)	0.3638	0.3704	-0.01
CCWD Exports (RS, OR and VC)			
EC (umhos/cm)	400.58	407.16	-6.58
TDS (mg/l)	222.23	225.75	-3.52
Chloride (mg/l)	66.01	67.72	-1.71
Bromide (mg/l)	0.2177	0.2234	-0.01

Notes:

[1] Increases from the No Action Alternative.

[2] Dry and Critical Years Average is the average quantity for the combination of the SWRCB D-1641 40-30-30 Dry and Critical years for the period of Oct 1921 - Sep 2003. Average annual increases are based on average quantities for October 1921 through September 2003.

Performance Measures Scorecard for Sites Reservoir Potential Beneficiaries (non-economic measures)

	DCR 2015 without Project	DCR 2015 with Project	DCR 2015 with Project Reservoir minus DCR 2015 without Project		WSIP 2030 without Project	WSIP 2030 with Project	WSIP 2030 with Project Reservoir minus WSIP 2030 without Project		WSIP 2070 without Project	WSIP 2070 with Project	WSIP 2070 with Project Reservoir minus WSIP 2070 without Project	
			Difference	Relative Difference			Difference	Relative Difference			Difference	Relative Difference
Sites Facilities - Operations												
Conveyance Capacity												
Diversions to Sites Reservoir from the Sacramento River at Red Bluff (TCC), at Hamilton City (GCC) and at the New Delevan Pipeline can occur in any month; diversions of excess Delta flows are only allowed once SWRCB D-1641, CVPIA 3406(b)(2), 2008 FWS BiOps and 2009 NMFS BiOps requirements are met, SWP article 21 demands are satisified and other excess Delta flow diversions (FRWP, LV, FVB, etc) are satisified; diversions are restricted by Sacramento River bypass criteria at Red Bluff, Hamilton City, Wilkens Slough and Freeport and restrictions associated with protecting fish outmigration related pulse flows (7 days once a month when flow conditions provide)												
Sites Reservoir Fill from Sacramento River												
Diversions (OP-04)												
Annual (TAF/yr)												
Full Simulation Period	--	--	--	--	0	552	552	N/A	0	588	588	N/A
Dry	--	--	--	--	0	578	578	N/A	0	551	551	N/A
Critical	--	--	--	--	0	281	281	N/A	0	236	236	N/A
Storage Capacity												
Sites Resevoir storage fills during excess flow events throughout the winter and spring and drains during peak release periods throughout the summer and fall to achieve the benefits associated with the primary objectives of Water Supply, Water Quality and Ecosystem Enhancement												
Sites Reservoir												
End-of-Month Storage (OP-09)												
May (TAF)												
Full Simulation Period	--	--	--	--	0	1,459	1,459	N/A	0	1,390	1,390	N/A
Dry	--	--	--	--	0	1,309	1,309	N/A	0	1,276	1,276	N/A
Critical	--	--	--	--	0	810	810	N/A	0	637	637	N/A
September (TAF)												
Full Simulation Period	--	--	--	--	0	1,093	1,093	N/A	0	1,013	1,013	N/A
Dry	--	--	--	--	0	845	845	N/A	0	862	862	N/A
Critical	--	--	--	--	0	464	464	N/A	0	332	332	N/A

	DCR 2015 without Project	DCR 2015 with Project	DCR 2015 with Project Reservoir minus DCR 2015 without Project		WSIP 2030 without Project	WSIP 2030 with Project	WSIP 2030 with Project Reservoir minus WSIP 2030 without Project		WSIP 2070 without Project	WSIP 2070 with Project	WSIP 2070 with Project Reservoir minus WSIP 2070 without Project	
			Difference	Relative Difference			Difference	Relative Difference			Difference	Relative Difference
Primary Objective - Water Supply												
SWP Contractors												
State Water Project (SWP) water supply reliability												
SWP Contractors												
Deliveries (WS-SWP)												
Annual (TAF/yr)												
Full Simulation Period	--	--	--	--	2,573	2,573	0	0.0%	2,398	2,398	0	0.0%
Dry	--	--	--	--	1,881	1,881	0	0.0%	1,737	1,737	0	0.0%
Critical	--	--	--	--	1,105	1,105	0	**0.0%**	861	861	0	**0.0%**
SWP SOD M&I Service Contractors												
Allocations (WS-SWP)												
Annual (fraction)												
Full Simulation Period	--	--	--	--	0.62	0.62	0.00	0.0%	0.57	0.57	0.00	0.0%
Dry	--	--	--	--	0.44	0.44	0.00	0.0%	0.40	0.40	0.00	0.0%
Critical	--	--	--	--	0.25	0.25	0.00	**0.0%**	0.20	0.20	0.00	**0.0%**
REF. Level 4 Water Supply for Wildlife Refuges												
Refuge level 4 water supply needs; replacement of purchases of North-of-the-Delta (3.35 TAF/yr max) and South-of-the-Delta (101.09 TAF/Yr max) water to supplement refuges supplies up to level 4 criteria (CVPIA)												
Federal Wildlife Refuges												
Level 4 Water Supplies from Sites (WS-CVP)												
Annual (TAF/yr)												
Full Simulation Period	--	--	--	--	0	35	**35**	N/A	0	31	**31**	N/A
Dry	--	--	--	--	0	21	21	N/A	0	16	16	N/A
Critical	--	--	--	--	0	1	1	N/A	0	1	1	N/A
CVP Contractors												
Central Valley Project (CVP) water supply reliability												
CVP Ag and M&I Service, Settlement, and Exchange Contractors												
Deliveries (WS-CVP)												
Annual (TAF/yr)												
Full Simulation Period	--	--	--	--	4,286	4,280	-6	-0.1%	3,914	3,916	2	0.1%
Dry	--	--	--	--	3,855	3,863	8	**0.2%**	3,683	3,657	-25	**-0.7%**
Critical	--	--	--	--	3,385	3,412	27	0.8%	3,135	3,161	26	0.8%
CVP SOD Ag Service Contractors												
Allocations (WS-CVP)												
Annual (fraction)												
Full Simulation Period	--	--	--	--	0.44	0.44	0.00	-0.6%	0.29	0.29	0.00	0.4%
Dry	--	--	--	--	0.23	0.23	0.01	**2.8%**	0.16	0.16	-0.01	**-4.0%**
Critical	--	--	--	--	0.11	0.12	0.00	1.7%	0.04	0.04	0.00	1.5%
Sites deliveries to Sacramento Valley Participants												
Deliveries from Sites Reservoir to project participants												
Sites deliveries to Sacramento Valley Sites Project Participants (TCCA, GCID, RD 108, County of Colusa, and Western Canal WD)												
Delivery (WS-NDS)												
Annual (TAF/yr)												
Full Simulation Period	--	--	--	--	0	129	129	N/A	0	155	155	N/A
Dry	--	--	--	--	0	186	186	**N/A**	0	190	190	**N/A**
Critical	--	--	--	--	0	165	165	N/A	0	143	143	N/A
Sites deliveries to South of Delta Sites Project Participants												
Delivery (WS-NDS)												
Annual (TAF/yr)												
Full Simulation Period	--	--	--	--	0	99	99	N/A	0	112	112	N/A
Dry	--	--	--	--	0	223	223	**N/A**	0	295	295	**N/A**
Critical	--	--	--	--	0	213	213	N/A	0	155	155	N/A

	DCR 2015 without Project	DCR 2015 with Project	DCR 2015 with Project Reservoir minus DCR 2015 without Project		WSIP 2030 without Project	WSIP 2030 with Project	WSIP 2030 with Project Reservoir minus WSIP 2030 without Project		WSIP 2070 without Project	WSIP 2070 with Project	WSIP 2070 with Project Reservoir minus WSIP 2070 without Project	
			Difference	Relative Difference			Difference	Relative Difference			Difference	Relative Difference
Primary Objective - Ecosystem Enhancement Account (EEA) Actions												
EEA-1. Shasta Lake Cold Water Pool												
Improve the reliability of coldwater pool storage in Shasta Reservoir to increase the U.S. Bureau of Reclamation's operational flexibility to provide suitable water temperatures in the Sacramento River. This action would operationally translate into the increase of Shasta Reservoir May storage levels, and increased coldwater pool in storage, with particular emphasis on Below Normal, Dry and Critical water year types.												
Trinity Lake												
End-of-Month Storage (SW-01)												
May (TAF)												
Full Simulation Period	--	--	--	--	1,826	1,827	1	0.1%	1,689	1,693	5	0.3%
Dry	--	--	--	--	1,636	1,626	-11	-0.6%	1,453	1,471	17	1.2%
Critical	--	--	--	--	1,201	1,217	16	**1.3%**	1,016	1,024	9	**0.9%**
September (TAF)												
Full Simulation Period	--	--	--	--	1,320	1,312	-8	-0.6%	1,152	1,149	-3	-0.3%
Dry	--	--	--	--	1,104	1,093	-11	-1.0%	903	913	10	1.1%
Critical	--	--	--	--	800	807	7	**0.9%**	627	673	47	**7.5%**
Shasta Lake												
End-of-Month Storage (SW-07)												
May (TAF)												
Full Simulation Period	--	--	--	--	3,950	4,009	59	1.5%	3,681	3,761	80	2.2%
Dry	--	--	--	--	3,663	3,765	101	2.8%	3,386	3,478	92	2.7%
Critical	--	--	--	--	2,787	2,953	166	**6.0%**	2,157	2,428	271	**12.6%**
September (TAF)												
Full Simulation Period	--	--	--	--	2,544	2,627	83	3.3%	2,262	2,321	59	2.6%
Dry	--	--	--	--	2,457	2,514	57	2.3%	2,167	2,224	56	2.6%
Critical	--	--	--	--	1,515	1,696	181	**12.0%**	971	1,219	247	**25.5%**

	DCR 2015 without Project	DCR 2015 with Project	DCR 2015 with Project Reservoir minus DCR 2015 without Project		WSIP 2030 without Project	WSIP 2030 with Project	WSIP 2030 with Project Reservoir minus WSIP 2030 without Project		WSIP 2070 without Project	WSIP 2070 with Project	WSIP 2070 with Project Reservoir minus WSIP 2070 without Project	
			Difference	Relative Difference			Difference	Relative Difference			Difference	Relative Difference
EEA-2. Sacramento River Flows for Temperature Control												
Provide releases from Shasta Dam of appropriate water temperatures, and subsequently from Keswick Dam, to maintain mean daily water temperatures year-round at levels suitable for all species and lifestages of anadromous salmonids in the Sacramento River between Keswick Dam and Red Bluff Diversion Dam, with particular emphasis on the months of highest potential water temperature-related impacts (i.e., July through November) during Below Normal, Dry and Critical water year types.												
Trinity River below Lewiston												
Monthly Temperature (SQ-33)												
Jul-Sep (Deg-F)												
Full Simulation Period	--	--	--	--	51.1	51.1	0.0	-0.1%	51.9	51.8	-0.2	-0.3%
Dry	--	--	--	--	51.5	51.7	0.2	0.3%	52.7	52.4	-0.2	-0.4%
Critical	--	--	--	--	53.8	53.5	-0.2	**-0.4%**	55.4	54.8	-0.5	**-1.0%**
Clear Creek at Igo												
Monthly Temperature (SQ-37)												
Jul-Sep (Deg-F)												
Full Simulation Period	--	--	--	--	54.8	54.7	-0.1	-0.2%	55.7	55.7	0.1	0.1%
Dry	--	--	--	--	55.0	54.9	-0.1	-0.2%	56.0	56.1	0.0	0.1%
Critical	--	--	--	--	56.6	56.5	-0.1	**-0.2%**	58.1	57.9	-0.3	**-0.4%**
Sacramento River at Bonnyview												
Monthly Temperature (SQ-03)												
Jul-Sep (Deg-F)												
Full Simulation Period	--	--	--	--	53.6	53.6	0.0	0.0%	54.8	54.3	-0.5	-0.8%
Dry	--	--	--	--	54.3	54.1	-0.1	-0.3%	55.1	54.6	-0.5	-0.9%
Critical	--	--	--	--	56.5	55.9	-0.6	**-1.1%**	60.5	58.6	-1.8	**-3.0%**
Sacramento River at Balls Ferry												
Monthly Temperature (SQ-04)												
Jul-Sep (Deg-F)												
Full Simulation Period	--	--	--	--	55.2	55.2	-0.1	-0.1%	56.5	56.0	-0.5	-0.9%
Dry	--	--	--	--	56.0	55.7	-0.2	-0.4%	56.9	56.3	-0.6	-1.0%
Critical	--	--	--	--	58.1	57.5	-0.6	**-1.1%**	61.9	60.2	-1.7	**-2.7%**
Sacramento River at Jellys Ferry												
Monthly Temperature (SQ-05)												
Jul-Sep (Deg-F)												
Full Simulation Period	--	--	--	--	56.6	56.5	-0.1	-0.1%	57.9	57.4	-0.5	-0.9%
Dry	--	--	--	--	57.3	57.0	-0.3	-0.5%	58.4	57.7	-0.6	-1.1%
Critical	--	--	--	--	59.4	58.8	-0.6	**-1.0%**	63.0	61.5	-1.5	**-2.5%**
Sacramento River at Bend Bridge												
Monthly Temperature (SQ-06)												
Jul-Sep (Deg-F)												
Full Simulation Period	--	--	--	--	57.6	57.6	-0.1	-0.2%	59.0	58.5	-0.5	-0.9%
Dry	--	--	--	--	58.5	58.1	-0.3	-0.6%	59.5	58.8	-0.7	-1.1%
Critical	--	--	--	--	60.3	59.7	-0.6	**-1.0%**	63.8	62.4	-1.4	**-2.3%**
Chinook Salmon Production												
Sacramento River Winter Run Chinook Salmon	P	L	A	C	E	H	O	L	D	E	R	
Annual Production (AQ-01)												
Annual Production												
Full Simulation Period	--	--	--	--	--	--	--	--	--	--	--	--
Dry	--	--	--	--	--	--	--	--	--	--	--	--
Critical	--	--	--	--	--	--	--	--	--	--	--	--
Sacramento River Spring Run Chinook Salmon	P	L	A	C	E	H	O	L	D	E	R	
Annual Production (AQ-02)												
Annual Production												
Full Simulation Period	--	--	--	--	--	--	--	--	--	--	--	--
Dry	--	--	--	--	--	--	--	--	--	--	--	--
Critical	--	--	--	--	--	--	--	--	--	--	--	--
Sacramento River Fall Run Chinook Salmon	P	L	A	C	E	H	O	L	D	E	R	
Annual Production (AQ-03)												
Annual Production												
Full Simulation Period	--	--	--	--	--	--	--	--	--	--	--	--
Dry	--	--	--	--	--	--	--	--	--	--	--	--
Critical	--	--	--	--	--	--	--	--	--	--	--	--
Sacramento River Late-Fall Run Chinook Salmon	P	L	A	C	E	H	O	L	D	E	R	
Annual Production (AQ-04)												
Annual Production												
Full Simulation Period	--	--	--	--	--	--	--	--	--	--	--	--
Dry	--	--	--	--	--	--	--	--	--	--	--	--
Critical	--	--	--	--	--	--	--	--	--	--	--	--

	DCR 2015 without Project	DCR 2015 with Project	DCR 2015 with Project Reservoir minus DCR 2015 without Project		WSIP 2030 without Project	WSIP 2030 with Project	WSIP 2030 with Project Reservoir minus WSIP 2030 without Project		WSIP 2070 without Project	WSIP 2070 with Project	WSIP 2070 with Project Reservoir minus WSIP 2070 without Project	
			Difference	Relative Difference			Difference	Relative Difference			Difference	Relative Difference
EEA-3. Folsom Lake Cold Water Pool												
Increase the availability of coldwater pool storage in Folsom Reservoir, by increasing May storage and coldwater pool storage, to allow the U.S. Bureau of Reclamation additional operational flexibility to provide suitable water temperatures in the lower American River. This action would utilize additional coldwater pool storage by providing releases from Folsom Dam (and subsequently from Nimbus Dam) to maintain mean daily water temperatures at levels suitable for juvenile steelhead over-summer rearing and fall-run Chinook salmon spawning in the lower American River from May through November during all water year types.												
Folsom Lake												
End-of-Month Storage (SW-24)												
May (TAF)												
Full Simulation Period	--	--	--	--	769	764	-4	-0.5%	679	677	-2	-0.3%
Dry	--	--	--	--	699	692	-8	-1.1%	601	607	6	1.0%
Critical	--	--	--	--	476	473	-3	-0.6%	407	401	-5	**-1.3%**
September (TAF)												
Full Simulation Period	--	--	--	--	428	447	19	4.5%	377	396	19	5.2%
Dry	--	--	--	--	371	410	38	10.4%	349	373	24	6.7%
Critical	--	--	--	--	293	289	-4	**-1.4%**	235	246	11	**4.8%**
American River at Watt Ave												
Monthly Temperature (SQ-19)												
Jul-Sep (Deg-F)												
Full Simulation Period	--	--	--	--	70.6	69.9	-0.6	-0.9%	71.9	71.2	-0.7	-0.9%
Dry	--	--	--	--	70.7	70.5	-0.2	-0.4%	72.2	71.9	-0.3	-0.4%
Critical	--	--	--	--	73.6	73.1	-0.5	**-0.7%**	75.6	74.7	-0.9	**-1.2%**
EEA-4. Stabilize American River Flows												
Stabilize flows in the lower American River to minimize dewatering of fall-run Chinook salmon redds (i.e., October through March) and steelhead redds (i.e., January through May), and reduce isolation events (specifically, flow increases to 4,000 cfs with subsequent reduction to < 4,000 cfs) of juvenile anadromous salmonids, particularly from October through June. Reduce the reliance upon Folsom Reservoir as a "real-time, first response facility" to meet Delta objectives and demands, particularly from January through August, to reduce flow fluctuation and water temperature-related impacts to fall-run Chinook salmon and steelhead in the lower American River.												
N/A - Reporting Metrics require daily timestep modeling of flow operations to demonstrate how flexibility in storage operations supports stabilization of flows throughout late Fall through Spring.												
EEA-5. Yolo Bypass Flow Improvement												
Increase flows in the Yolo Bypass by 400 cfs in August, September, and October to promote food production for Delta Smelt												
Yolo Bypass Flow												
Increase in Volume (SW-31)												
Aug-Oct (TAF)												
Full Simulation Period	--	--	--	--	24	64	40	**163.2%**	20	58	38	**188.3%**
Dry	--	--	--		60	100	40	66.4%	37	59	22	58.4%
Critical	--	--	--	--	13	18	5	33.5%	9	22	13	150.4%

	DCR 2015 without Project	DCR 2015 with Project	DCR 2015 with Project Reservoir minus DCR 2015 without Project		WSIP 2030 without Project	WSIP 2030 with Project	WSIP 2030 with Project Reservoir minus WSIP 2030 without Project		WSIP 2070 without Project	WSIP 2070 with Project	WSIP 2070 with Project Reservoir minus WSIP 2070 without Project	
			Difference	Relative Difference			Difference	Relative Difference			Difference	Relative Difference
EEA-6. Lake Oroville Cold Water Pool												
Improve the reliability of coldwater pool storage in Oroville Reservoir to improve water temperature suitability for juvenile steelhead and spring-run Chinook salmon over-summer rearing, and fall-run Chinook salmon spawning in the lower Feather River from May through November during all water year types. (Improve storage conditions for:) Provide releases from Oroville Dam to maintain mean daily water temperatures at levels suitable for juvenile steelhead and spring-run Chinook salmon over-summer rearing, and fall-run Chinook salmon spawning in the lower Feather River. Stabilize flows in the lower Feather River to minimize redd dewatering, juvenile stranding and isolation of anadromous salmonids.												
Lake Oroville												
End-of-Month Storage (SW-18)												
May (TAF)												
Full Simulation Period	--	--	--	--	2,760	2,786	26	0.9%	2,620	2,651	31	1.2%
Dry	--	--	--	--	2,294	2,332	38	1.7%	2,167	2,206	39	1.8%
Critical	--	--	--	--	1,527	1,611	83	**5.5%**	1,507	1,618	111	**7.4%**
September (TAF)												
Full Simulation Period	--	--	--	--	1,469	1,528	59	4.0%	1,287	1,383	96	7.4%
Dry	--	--	--	--	1,146	1,195	49	4.3%	1,140	1,147	7	0.6%
Critical	--	--	--	--	901	924	23	**2.6%**	903	979	76	**8.4%**
EEA-7. Stabilize Sacramento River Fall Flows												
Stabilize flows in the Sacramento River between Keswick Dam and the Red Bluff Diversion Dam to minimize dewatering of fall-run Chinook salmon redds (for the spawning and embryo incubation lifestage periods extending from October through March), particularly during fall months. (avoid abrupt changes; operation limited to not greatly impact cold water pool operations in D and C years)												
Sacramento River below Keswick												
Monthly Flow (SW-10)												
Dec-Feb (cfs)												
Full Simulation Period	--	--	--	--	9,028	9,256	228	2.5%	9,459	9,617	157	1.7%
Below Normal	--	--	--	--	4,711	4,889	177	**3.8%**	5,479	5,693	214	**3.9%**
Dry	--	--	--	--	3,969	4,442	474	**11.9%**	3,736	3,964	228	**6.1%**
Critical	--	--	--	--	3,532	3,679	147	4.2%	3,531	3,810	279	7.9%

	DCR 2015 without Project	DCR 2015 with Project	DCR 2015 with Project Reservoir minus DCR 2015 without Project		WSIP 2030 without Project	WSIP 2030 with Project	WSIP 2030 with Project Reservoir minus WSIP 2030 without Project		WSIP 2070 without Project	WSIP 2070 with Project	WSIP 2070 with Project Reservoir minus WSIP 2070 without Project	
			Difference	Relative Difference			Difference	Relative Difference			Difference	Relative Difference
EEA-8. Sacramento River Diversion Reduction at Red Bluff and Hamilton City												
Provide increased flows from spring through fall in the lower Sacramento River by reducing diversions at Red Bluff Diversion Dam (into the Tehama-Colusa Canal) and at Hamilton City (into the Glenn-Colusa Irrigation District Canal), and by providing supplemental flows (at Delevan). This action will provide multiple benefits to riverine and estuarine habitats, and to anadromous fishes and estuarine-dependent species (e.g., delta smelt, splittail, longfin smelt, Sacramento splittail, starry flounder, and Crangon franciscorum) by reducing entrainment, providing or augmenting transport flows, increasing habitat availability, increasing productivity, and improving nutrient transport and food availability												
Glenn Colusa Canal, Hamilton City Intake												
Diversions (OP-02a)												
Jun-Aug volume above diversion rate of 2000 cfs (TAF/season)												
Full Simulation Period	--	--	--	--	114	84	-30	**-26.2%**	114	87	-27	**-24.0%**
Dry	--	--	--	--	123	69	-54	-44.0%	123	75	-48	-38.9%
Critical	--	--	--	--	76	53	-23	-30.3%	76	51	-24	-32.0%
Tehama Colusa Canal, Red Bluff Intake and Glenn Colusa Canal, Hamilton City Intake												
Diversions (OP-01a and 02a)												
Jun-Aug volume (TAF/season)												
Full Simulation Period	--	--	--	--	584	524	-59	**-10.2%**	545	504	-41	**-7.6%**
Dry	--	--	--	--	543	473	-70	-12.9%	527	476	-51	-9.7%
Critical	--	--	--	--	460	405	-55	-11.9%	433	371	-62	-14.2%
Secondary Objective - Additional Water Supply												
ADD. Additonal Water Supply												
Provide additional surface storage across the Sacramento Valley water resources system												
Trinity Lake, Shasta Lake, Lake Oroville and Folsom Lake and Sites Reservoir												
Total Combined End-of-Month Storage (SW-01, 07, 18, 24 and OP-09)												
May (TAF)												
Full Simulation Period	--	--	--	--	9,304	10,845	1,541	**16.6%**	8,670	10,173	1,503	**17.3%**
Dry	--	--	--	--	8,293	9,723	1,430	17.2%	7,607	9,037	1,430	18.8%
Critical	--	--	--	--	5,991	7,063	1,072	17.9%	5,087	6,109	1,022	20.1%
September (TAF)												
Full Simulation Period	--	--	--	--	5,761	7,007	1,246	**21.6%**	5,077	6,262	1,185	**23.3%**
Dry	--	--	--	--	5,078	6,057	978	19.3%	4,560	5,519	959	21.0%
Critical	--	--	--	--	3,509	4,179	670	19.1%	2,736	3,449	713	26.1%

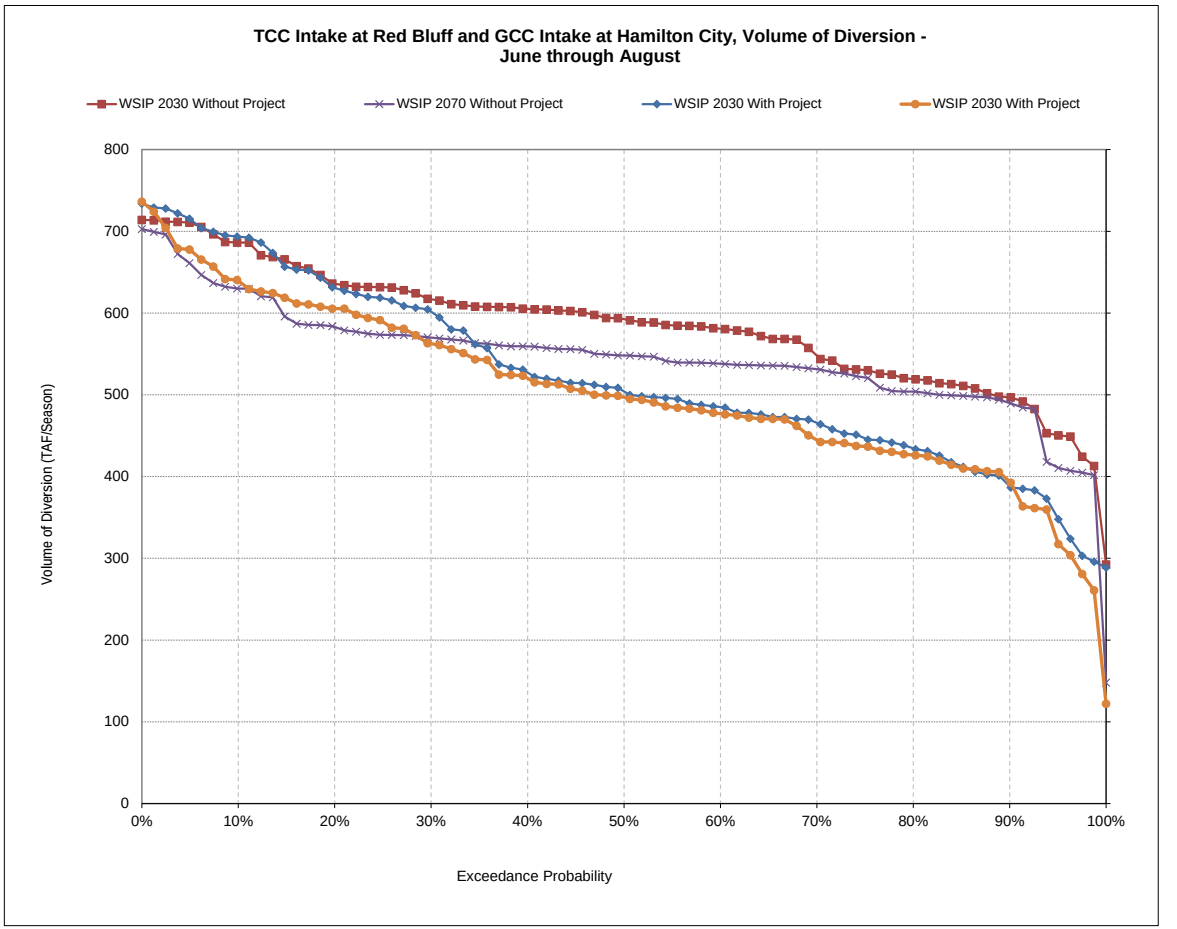
TCC Intake at Red Bluff and GCC Intake at Hamilton City, Volume of Diversion
Long-term Average and Average by Water Year Type

	June through August Volume of Diversion (TAF/Season)		
Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
Long-term			
Full Simulation Period[1]			
Basis of Comparison	--	2,396	2,260
Alternative	--	2,154	2,003
Difference	--	-242	-257
Percent Difference[3]	--	-10.1%	-11.4%
Water Year Types[2]			
Wet			
Basis of Comparison	--	2,531	2,340
Alternative	--	2,423	2,166
Difference	--	-108	-175
Percent Difference	--	-4.3%	-7.5%
Above Normal			
Basis of Comparison	--	2,519	2,318
Alternative	--	2,353	2,270
Difference	--	-166	-48
Percent Difference	--	-6.6%	-2.1%
Below Normal			
Basis of Comparison	--	2,429	2,294
Alternative	--	2,304	2,169
Difference	--	-125	-125
Percent Difference	--	-5.2%	-5.4%
Dry			
Basis of Comparison	--	2,346	2,277
Alternative	--	2,001	1,893
Difference	--	-345	-384
Percent Difference	--	-14.7%	-16.9%
Critical			
Basis of Comparison	--	2,010	1,965
Alternative	--	1,387	1,406
Difference	--	-623	-559
Percent Difference	--	-31.0%	-28.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

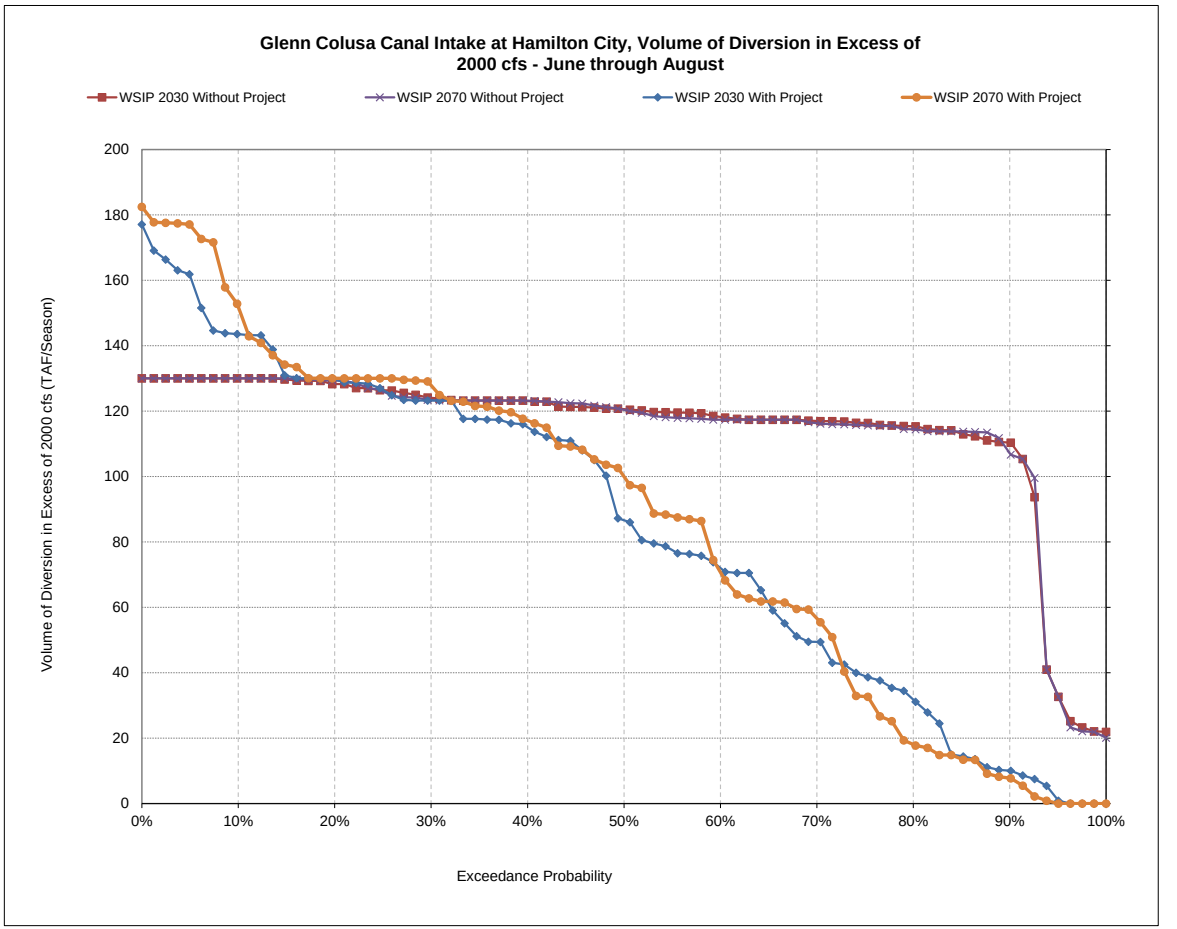
Glenn Colusa Canal Intake at Hamilton City, Volume of Diversion in Excess of 2000 cfs
Long-term Average and Average by Water Year Type

	June through August		
	Volume of Diversion in Excess of 2000 cfs (TAF/Season)		
Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	2,099	2,106
Alternative	--	1,879	1,819
Difference	--	-221	-288
Percent Difference[3]	--	-10.5%	-13.7%
	Water Year Types[2]		
Wet			
Basis of Comparison	--	2,090	2,088
Alternative	--	2,066	1,910
Difference	--	-24	-178
Percent Difference	--	-1.2%	-8.5%
Above Normal			
Basis of Comparison	--	2,105	2,116
Alternative	--	1,952	2,001
Difference	--	-153	-115
Percent Difference	--	-7.3%	-5.4%
Below Normal			
Basis of Comparison	--	2,162	2,190
Alternative	--	2,006	2,005
Difference	--	-156	-185
Percent Difference	--	-7.2%	-8.5%
Dry			
Basis of Comparison	--	2,203	2,198
Alternative	--	1,879	1,789
Difference	--	-325	-409
Percent Difference	--	-14.7%	-18.6%
Critical			
Basis of Comparison	--	1,886	1,893
Alternative	--	1,238	1,299
Difference	--	-649	-594
Percent Difference	--	-34.4%	-31.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

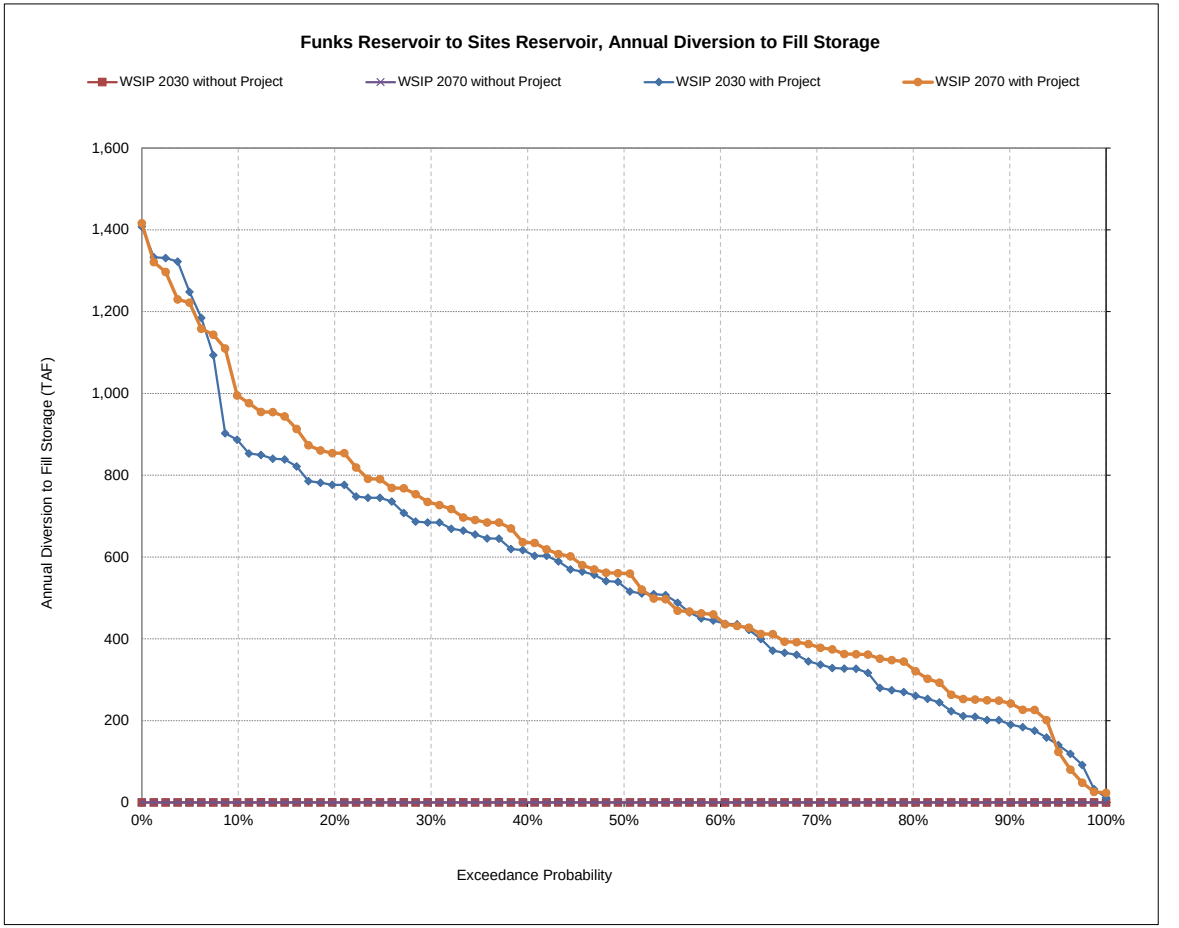
Funks Reservoir to Sites Reservoir, Annual Diversion to Fill Storage
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	Annual Diversion to Fill Storage (TAF) DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	0	0
Alternative	--	552	588
Difference	--	552	588
Percent Difference[3]	--		
	Water Year Types[2]		
Wet			
Basis of Comparison	0	0	0
Alternative	0	672	715
Difference	0	672	715
Percent Difference			
Above Normal			
Basis of Comparison	0	0	0
Alternative	0	572	717
Difference	0	572	717
Percent Difference			
Below Normal			
Basis of Comparison	0	0	0
Alternative	0	528	607
Difference	0	528	607
Percent Difference			
Dry			
Basis of Comparison	0	0	0
Alternative	0	578	551
Difference	0	578	551
Percent Difference			
Critical			
Basis of Comparison	0	0	0
Alternative	0	281	236
Difference	0	281	236
Percent Difference			

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

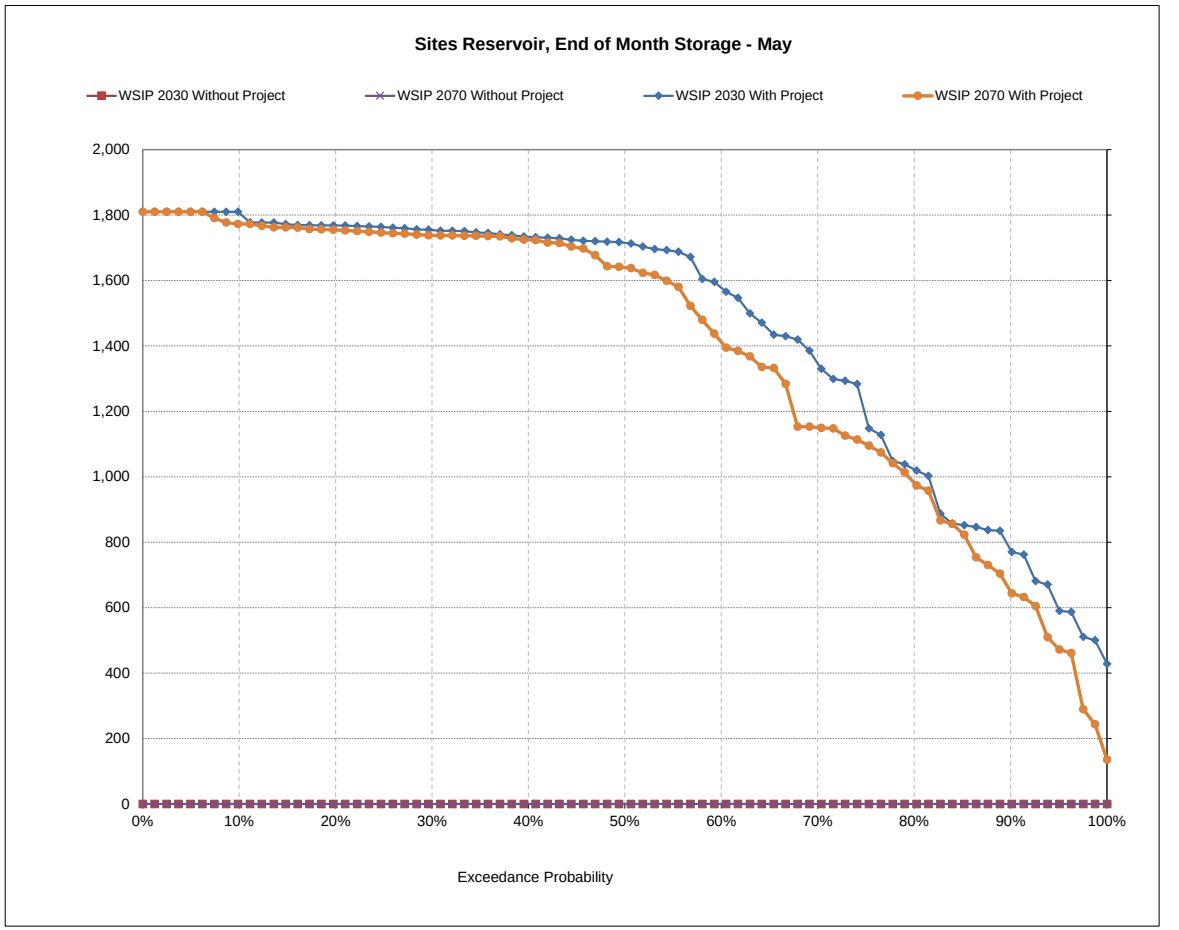
Sites Reservoir, End of Month Storage
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	0	0
Alternative	--	1,459	1,390
Difference	--	1,459	1,390
Percent Difference[3]	--		
	Water Year Types[2]		
Wet			
Basis of Comparison	0	0	0
Alternative	0	1,730	1,710
Difference	0	1,730	1,710
Percent Difference			
Above Normal			
Basis of Comparison	0	0	0
Alternative	0	1,680	1,622
Difference	0	1,680	1,622
Percent Difference			
Below Normal			
Basis of Comparison	0	0	0
Alternative	0	1,504	1,423
Difference	0	1,504	1,423
Percent Difference			
Dry			
Basis of Comparison	0	0	0
Alternative	0	1,309	1,276
Difference	0	1,309	1,276
Percent Difference			
Critical			
Basis of Comparison	0	0	0
Alternative	0	810	637
Difference	0	810	637
Percent Difference			

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

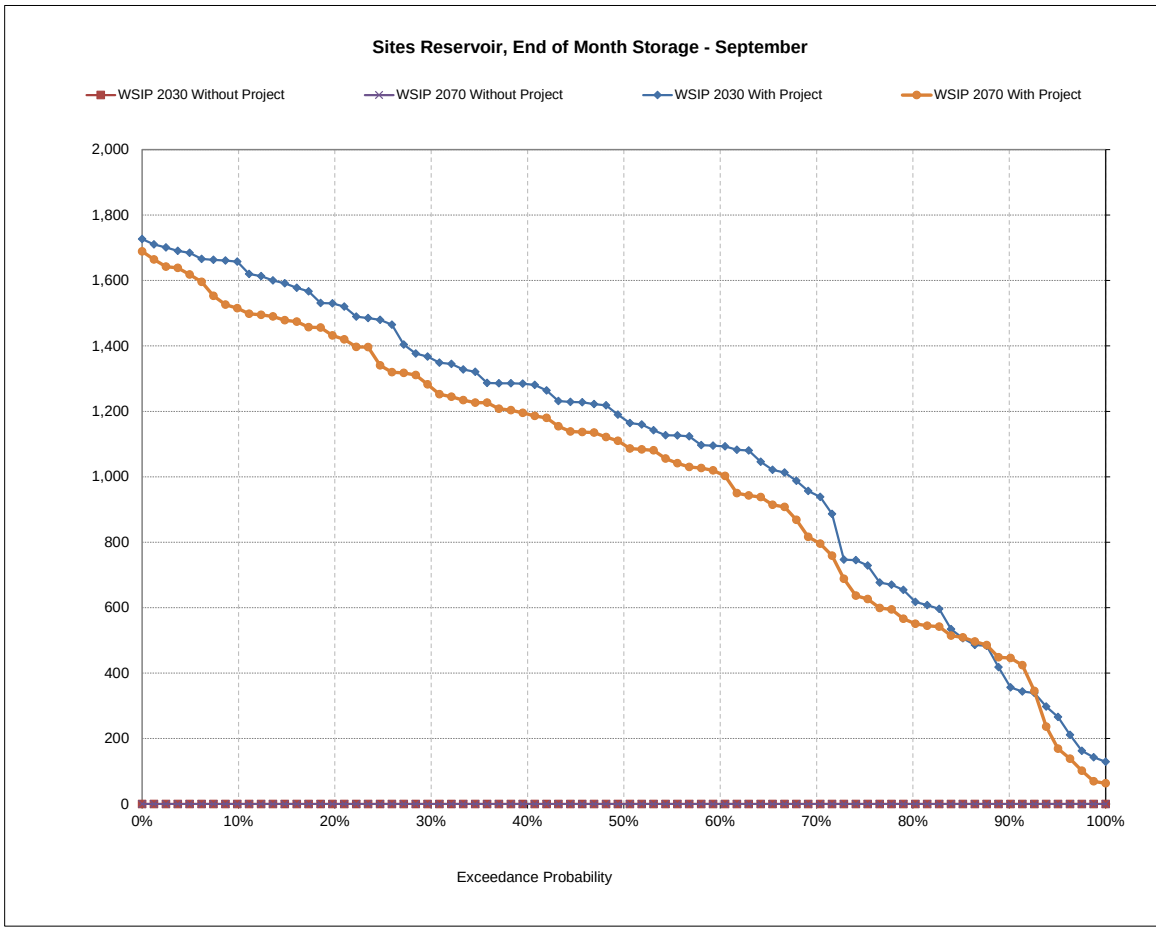
Sites Reservoir, End of Month Storage
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	0	0
Alternative	--	1,093	1,013
Difference	--	1,093	1,013
Percent Difference[3]	--		
	Water Year Types[2]		
Wet			
Basis of Comparison	0	0	0
Alternative	0	1,552	1,436
Difference	0	1,552	1,436
Percent Difference			
Above Normal			
Basis of Comparison	0	0	0
Alternative	0	1,200	1,107
Difference	0	1,200	1,107
Percent Difference			
Below Normal			
Basis of Comparison	0	0	0
Alternative	0	1,019	948
Difference	0	1,019	948
Percent Difference			
Dry			
Basis of Comparison	0	0	0
Alternative	0	845	862
Difference	0	845	862
Percent Difference			
Critical			
Basis of Comparison	0	0	0
Alternative	0	464	332
Difference	0	464	332
Percent Difference			

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

X2, Monthly Position

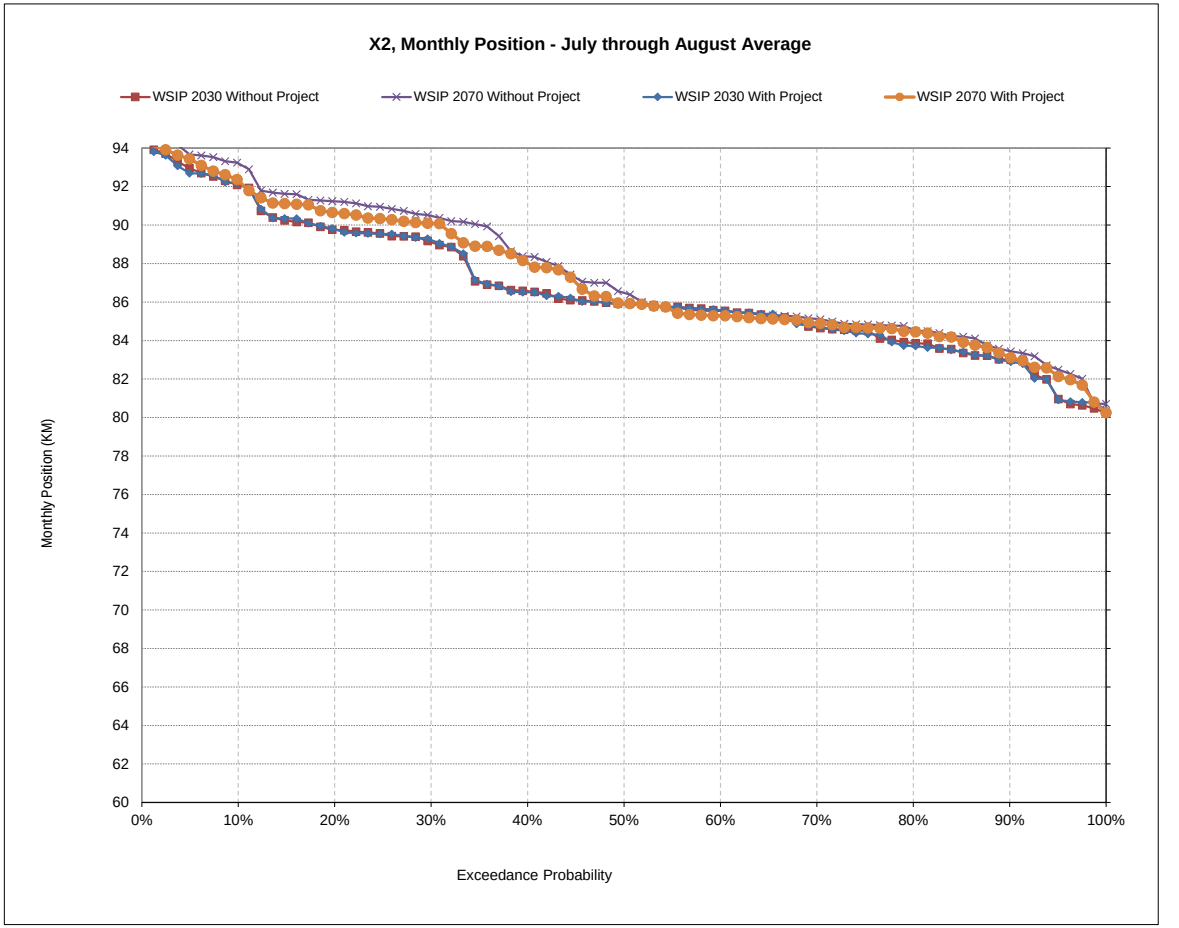
Long-term Average and Average by Water Year Type

	July through August Average Monthly Position (KM)		
Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
Long-term			
Full Simulation Period[1]			
Basis of Comparison	--	87	88
Alternative	--	87	87
Difference	--	0	0
Percent Difference[3]	--	0.0%	-0.4%
Water Year Types[2]			
Wet			
Basis of Comparison	--	84	85
Alternative	--	84	84
Difference	--	0	0
Percent Difference	--	0.0%	-0.2%
Above Normal			
Basis of Comparison	--	84	84
Alternative	--	84	84
Difference	--	0	0
Percent Difference	--	-0.1%	-0.5%
Below Normal			
Basis of Comparison	--	86	87
Alternative	--	86	86
Difference	--	0	0
Percent Difference	--	0.0%	-0.3%
Dry			
Basis of Comparison	--	90	91
Alternative	--	90	90
Difference	--	0	-1
Percent Difference	--	0.0%	-0.7%
Critical			
Basis of Comparison	--	93	93
Alternative	--	92	93
Difference	--	0	0
Percent Difference	--	0.0%	-0.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

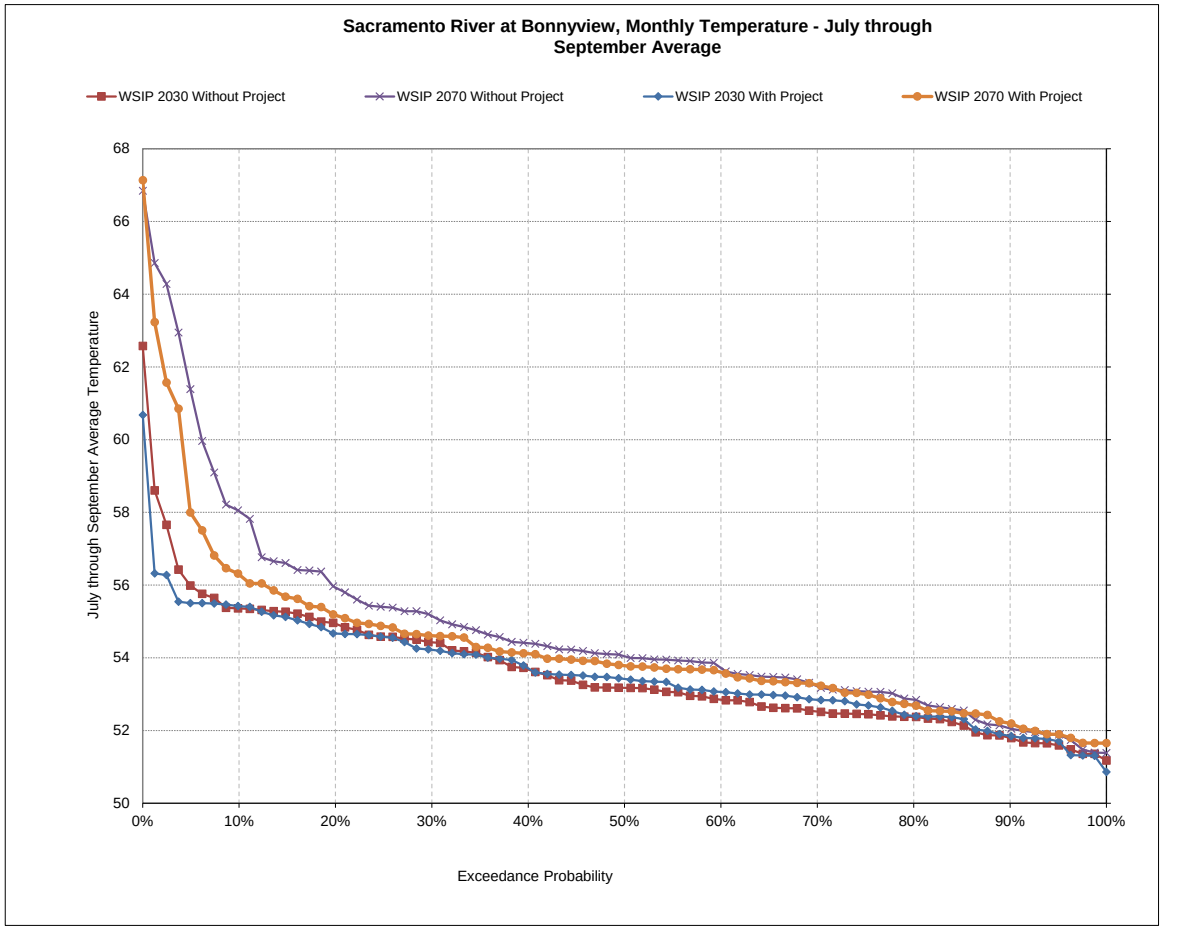
Sacramento River at Bonnyview Bridge, July through September Average Temperature
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	July through September Average Temperature		
	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
Long-term			
Full Simulation Period[1]			
Basis of Comparison	--	54	55
Alternative	--	54	54
Difference	--	0	0
Percent Difference[3]	--	0.0%	-0.8%
Water Year Types[2]			
Wet			
Basis of Comparison	0	52	53
Alternative	0	53	53
Difference	0	0	0
Percent Difference		0.5%	-0.1%
Above Normal			
Basis of Comparison	0	53	53
Alternative	0	53	53
Difference	0	0	0
Percent Difference		0.2%	0.1%
Below Normal			
Basis of Comparison	0	53	54
Alternative	0	53	54
Difference	0	0	0
Percent Difference		0.1%	-0.8%
Dry			
Basis of Comparison	0	54	55
Alternative	0	54	55
Difference	0	0	0
Percent Difference		-0.3%	-0.9%
Critical			
Basis of Comparison	0	57	60
Alternative	0	56	59
Difference	0	-1	-2
Percent Difference		-1.1%	-3.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

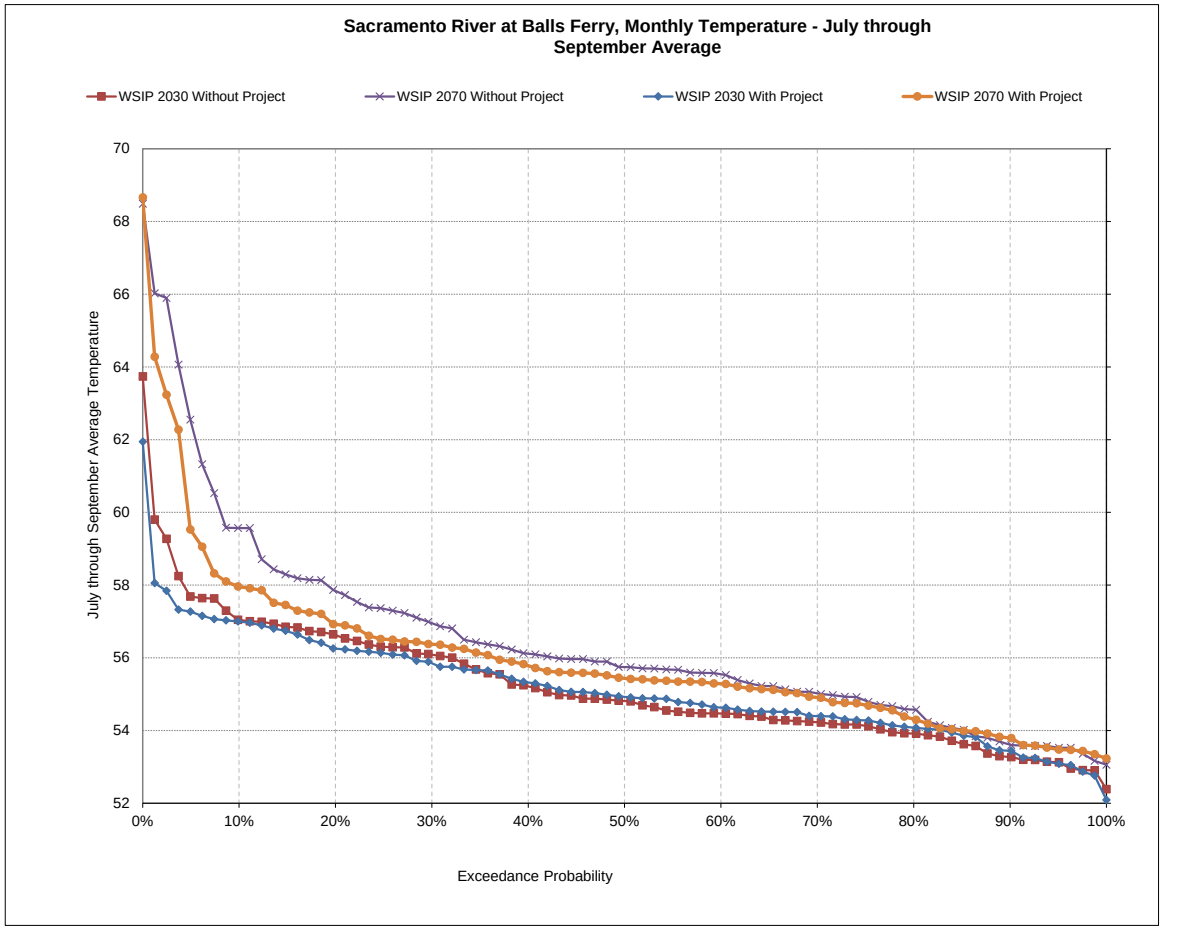
Sacramento River at Balls Ferry, July through September Average Temperature
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	July through September Average Temperature		
	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
Long-term			
Full Simulation Period[1]			
Basis of Comparison	--	55	56
Alternative	--	55	56
Difference	--	0	0
Percent Difference[3]	--	-0.1%	-0.9%
Water Year Types[2]			
Wet			
Basis of Comparison	0	54	55
Alternative	0	54	55
Difference	0	0	0
Percent Difference		0.4%	-0.1%
Above Normal			
Basis of Comparison	0	54	55
Alternative	0	54	55
Difference	0	0	0
Percent Difference		0.3%	0.1%
Below Normal			
Basis of Comparison	0	55	56
Alternative	0	55	56
Difference	0	0	-1
Percent Difference		0.0%	-1.0%
Dry			
Basis of Comparison	0	56	57
Alternative	0	56	56
Difference	0	0	-1
Percent Difference		-0.4%	-1.0%
Critical			
Basis of Comparison	0	58	62
Alternative	0	57	60
Difference	0	-1	-2
Percent Difference		-1.1%	-2.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

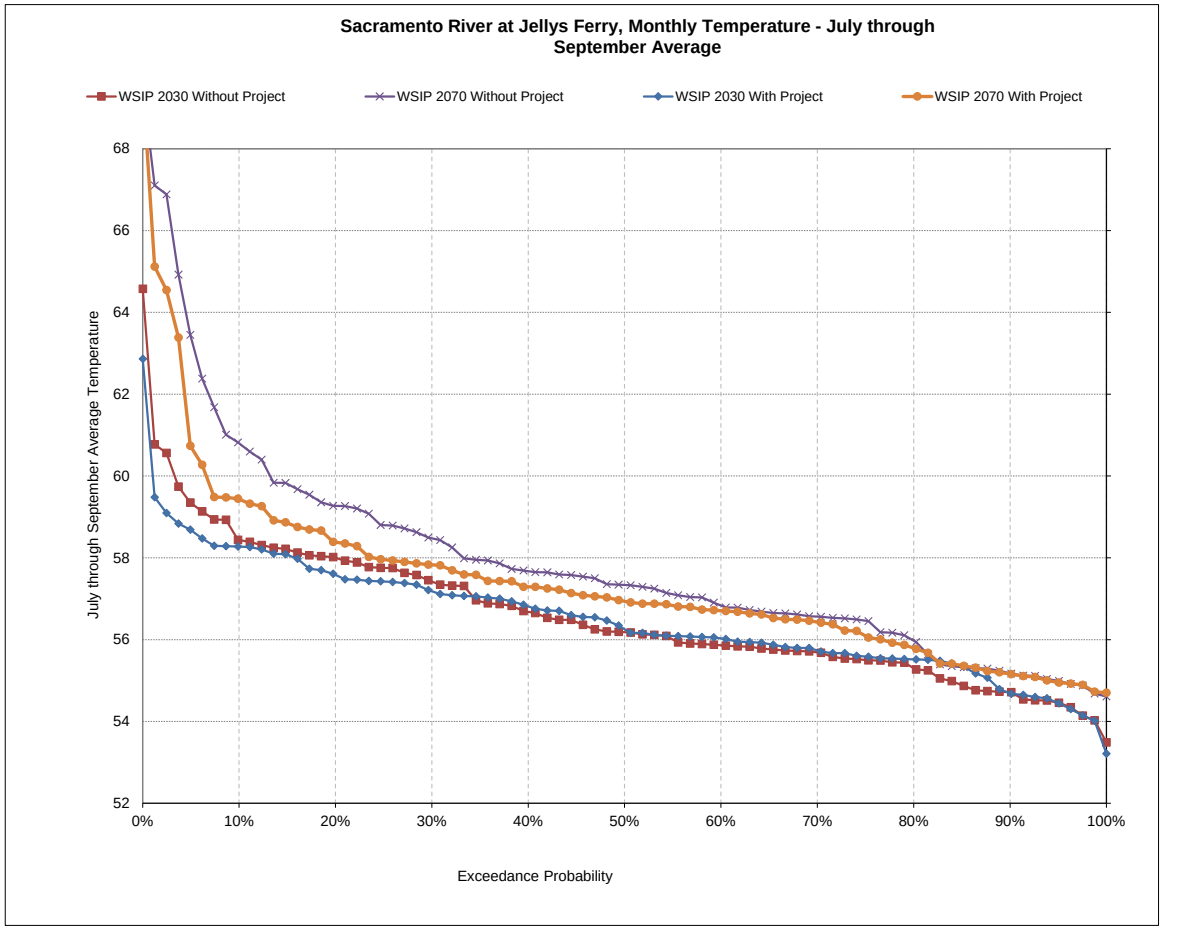
Sacramento River at Jellys Ferry, July through September Average Temperature
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	July through September Average Temperature		
	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
Long-term			
Full Simulation Period[1]			
Basis of Comparison	--	57	58
Alternative	--	57	57
Difference	--	0	-1
Percent Difference[3]	--	-0.1%	-0.9%
Water Year Types[2]			
Wet			
Basis of Comparison	0	55	56
Alternative	0	56	56
Difference	0	0	0
Percent Difference		0.3%	-0.2%
Above Normal			
Basis of Comparison	0	55	56
Alternative	0	56	56
Difference	0	0	0
Percent Difference		0.3%	0.1%
Below Normal			
Basis of Comparison	0	56	58
Alternative	0	56	57
Difference	0	0	-1
Percent Difference		-0.1%	-1.2%
Dry			
Basis of Comparison	0	57	58
Alternative	0	57	58
Difference	0	0	-1
Percent Difference		-0.5%	-1.1%
Critical			
Basis of Comparison	0	59	63
Alternative	0	59	61
Difference	0	-1	-2
Percent Difference		-1.0%	-2.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

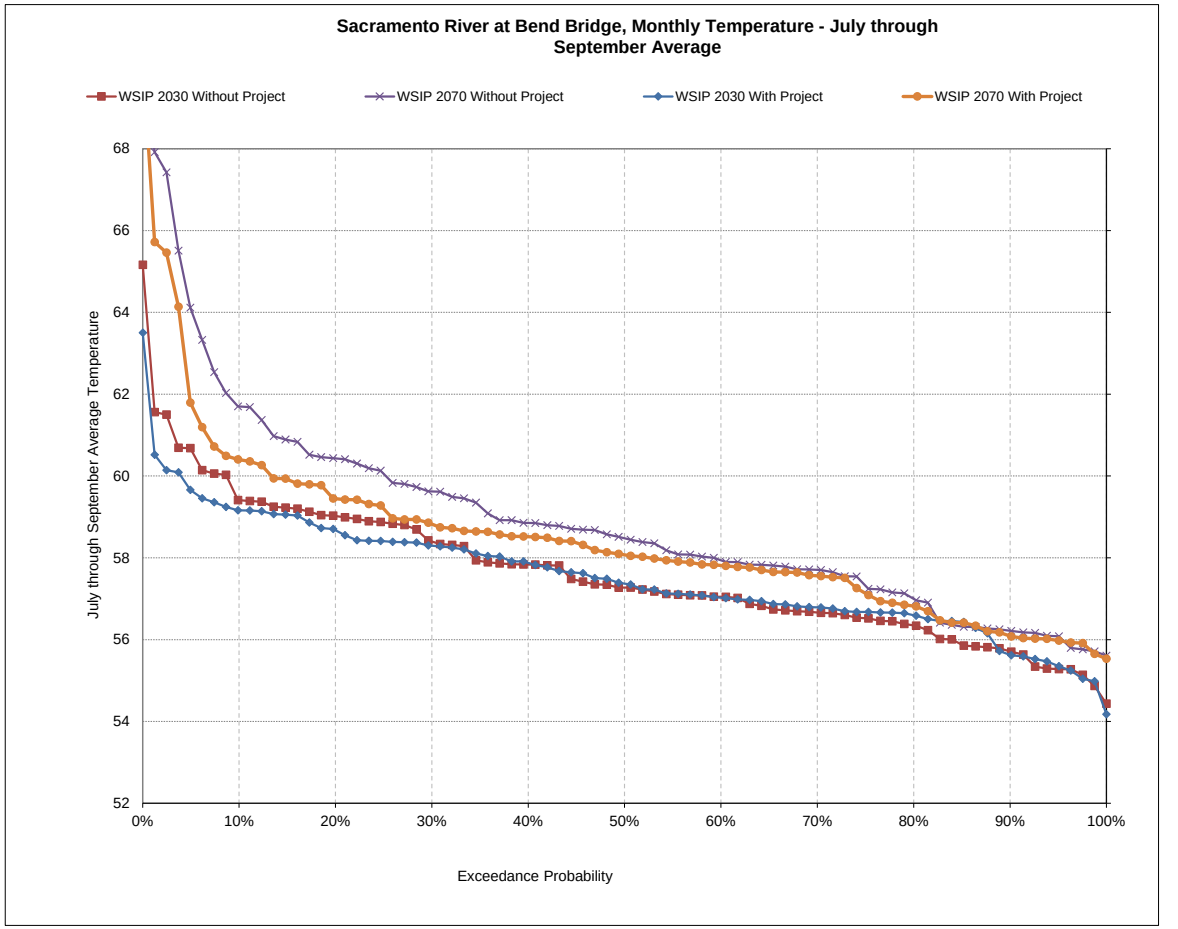
Sacramento River at Bend Bridge, July through September Average Temperature
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	July through September Average Temperature		
	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
Long-term			
Full Simulation Period[1]			
Basis of Comparison	--	58	59
Alternative	--	58	58
Difference	--	0	-1
Percent Difference[3]	--	-0.2%	-0.9%
Water Year Types[2]			
Wet			
Basis of Comparison	0	56	57
Alternative	0	57	57
Difference	0	0	0
Percent Difference		0.3%	-0.3%
Above Normal			
Basis of Comparison	0	56	57
Alternative	0	57	57
Difference	0	0	0
Percent Difference		0.4%	0.1%
Below Normal			
Basis of Comparison	0	57	59
Alternative	0	57	58
Difference	0	0	-1
Percent Difference		-0.1%	-1.2%
Dry			
Basis of Comparison	0	58	59
Alternative	0	58	59
Difference	0	0	-1
Percent Difference		-0.6%	-1.1%
Critical			
Basis of Comparison	0	60	64
Alternative	0	60	62
Difference	0	-1	-1
Percent Difference		-1.0%	-2.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

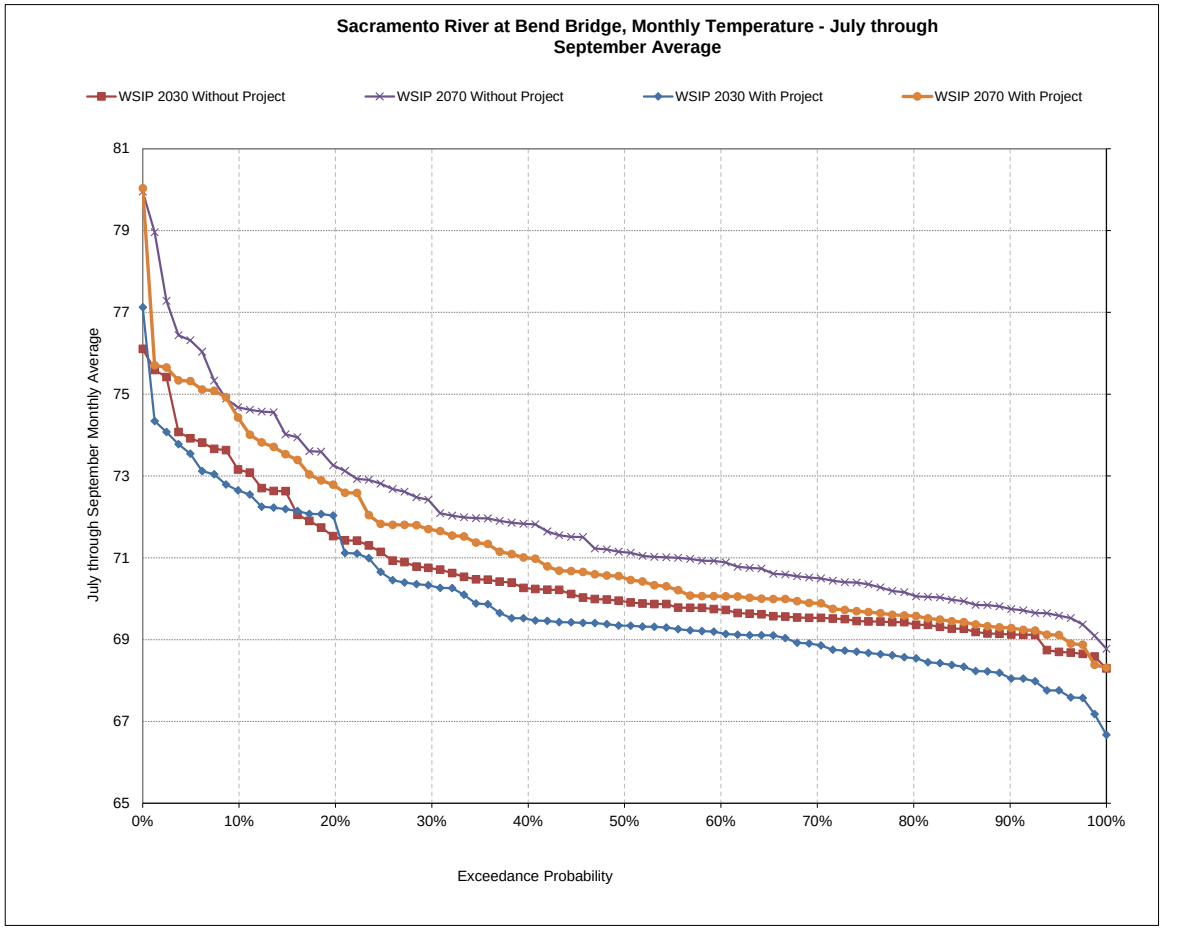
American River at Watt Avenue, July through September Average Temperature
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	July through September Monthly Average: DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
Long-term			
Full Simulation Period[1]			
Basis of Comparison	--	71	72
Alternative	--	70	71
Difference	--	-1	-1
Percent Difference[3]	--	-0.9%	-0.9%
Water Year Types[2]			
Wet			
Basis of Comparison	--	70	71
Alternative	--	69	70
Difference	--	-1	-1
Percent Difference	--	-1.4%	-1.2%
Above Normal			
Basis of Comparison	--	70	71
Alternative	--	69	70
Difference	--	-1	-1
Percent Difference	--	-0.7%	-1.0%
Below Normal			
Basis of Comparison	--	70	71
Alternative	--	70	71
Difference	--	-1	-1
Percent Difference	--	-1.0%	-0.9%
Dry			
Basis of Comparison	--	71	72
Alternative	--	70	72
Difference	--	0	0
Percent Difference	--	-0.4%	-0.4%
Critical			
Basis of Comparison	--	74	76
Alternative	--	73	75
Difference	--	0	-1
Percent Difference	--	-0.7%	-1.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

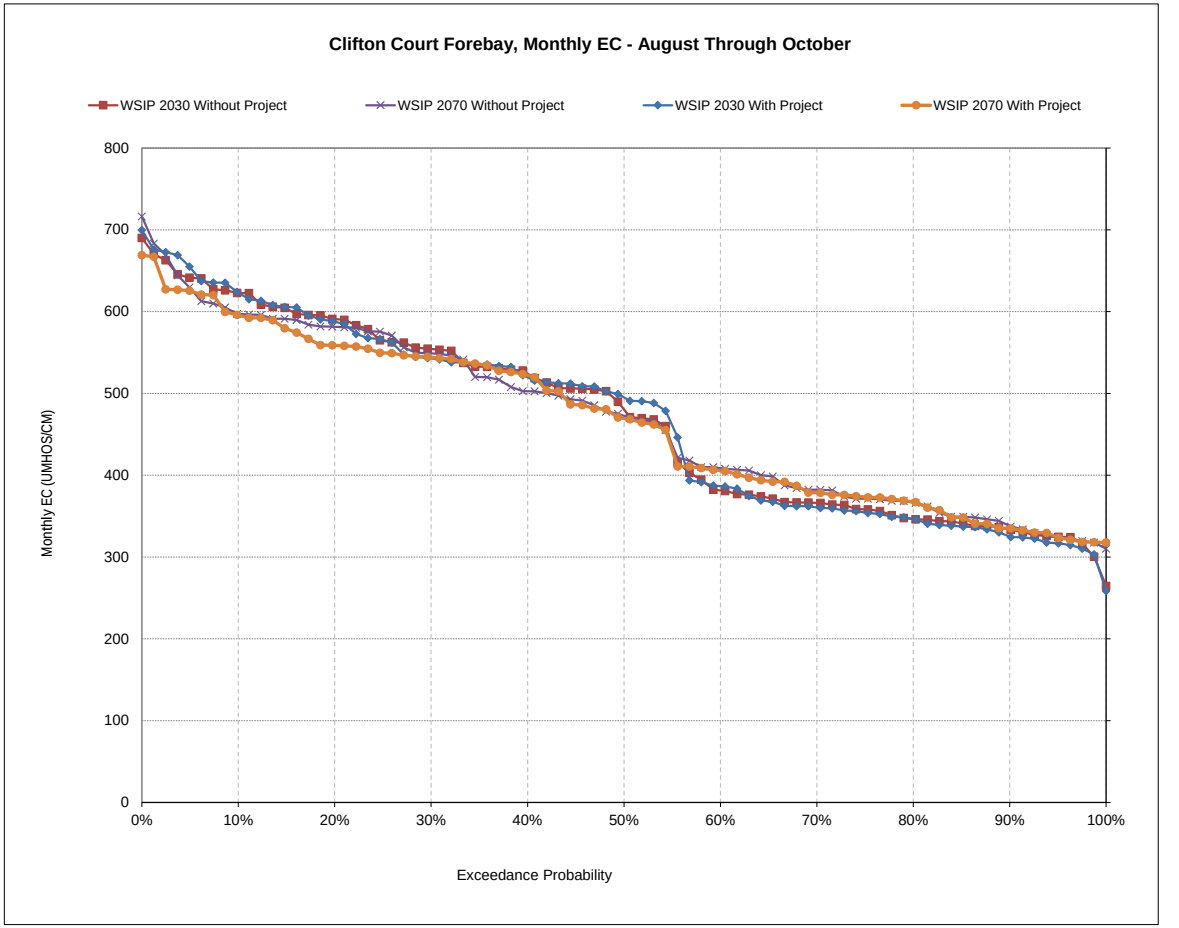
Clifton Court Forebay, Monthly EC
Long-term Average and Average by Water Year Type

	August Through October Monthly EC (UMHOS/CM)		
Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
Long-term			
Full Simulation Period[1]			
Basis of Comparison	--	378	384
Alternative	--	379	382
Difference	--	1	-2
Percent Difference[3]	--	0.2%	-0.5%
Water Year Types[2]			
Wet			
Basis of Comparison	--	260	261
Alternative	--	260	261
Difference	--	0	0
Percent Difference	--	0.1%	0.0%
Above Normal			
Basis of Comparison	--	336	329
Alternative	--	336	329
Difference	--	0	0
Percent Difference	--	0.1%	0.0%
Below Normal			
Basis of Comparison	--	382	382
Alternative	--	382	379
Difference	--	0	-3
Percent Difference	--	0.0%	-0.8%
Dry			
Basis of Comparison	--	464	467
Alternative	--	466	465
Difference	--	3	-3
Percent Difference	--	0.5%	-0.6%
Critical			
Basis of Comparison	--	543	563
Alternative	--	545	558
Difference	--	2	-5
Percent Difference	--	0.3%	-0.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

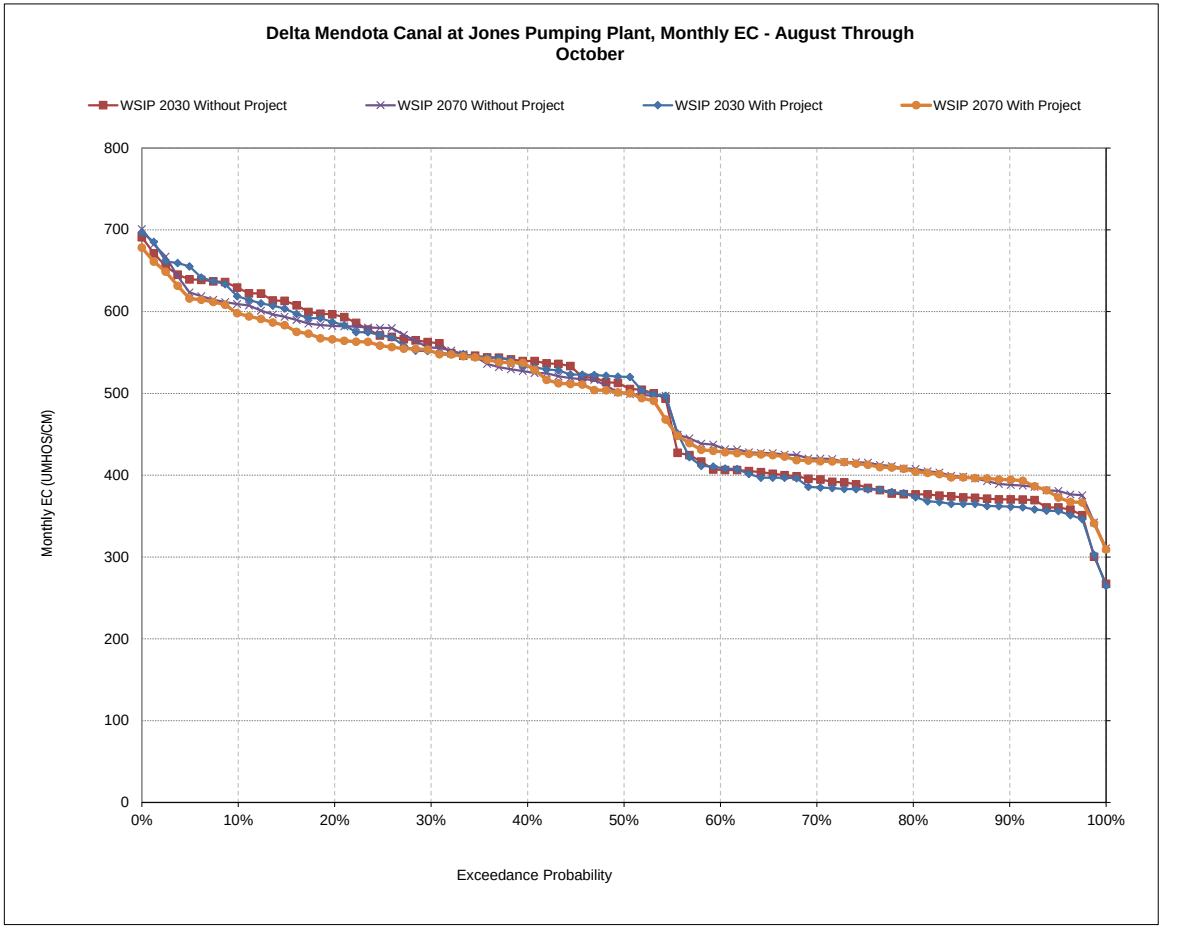
Delta Mendota Canal at Jones Pumping Plant, Monthly EC
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	August Through October Monthly EC (UMHOS/CM) DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
Long-term			
Full Simulation Period[1]			
Basis of Comparison	--	403	410
Alternative	--	403	411
Difference	--	1	1
Percent Difference[3]	--	0.2%	0.2%
Water Year Types[2]			
Wet			
Basis of Comparison	--	274	285
Alternative	--	274	285
Difference	--	0	0
Percent Difference	--	0.1%	0.1%
Above Normal			
Basis of Comparison	--	364	368
Alternative	--	364	368
Difference	--	0	0
Percent Difference	--	0.1%	0.0%
Below Normal			
Basis of Comparison	--	410	412
Alternative	--	410	412
Difference	--	0	0
Percent Difference	--	0.0%	0.0%
Dry			
Basis of Comparison	--	505	497
Alternative	--	506	499
Difference	--	1	2
Percent Difference	--	0.3%	0.5%
Critical			
Basis of Comparison	--	563	574
Alternative	--	566	574
Difference	--	3	1
Percent Difference	--	0.6%	0.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

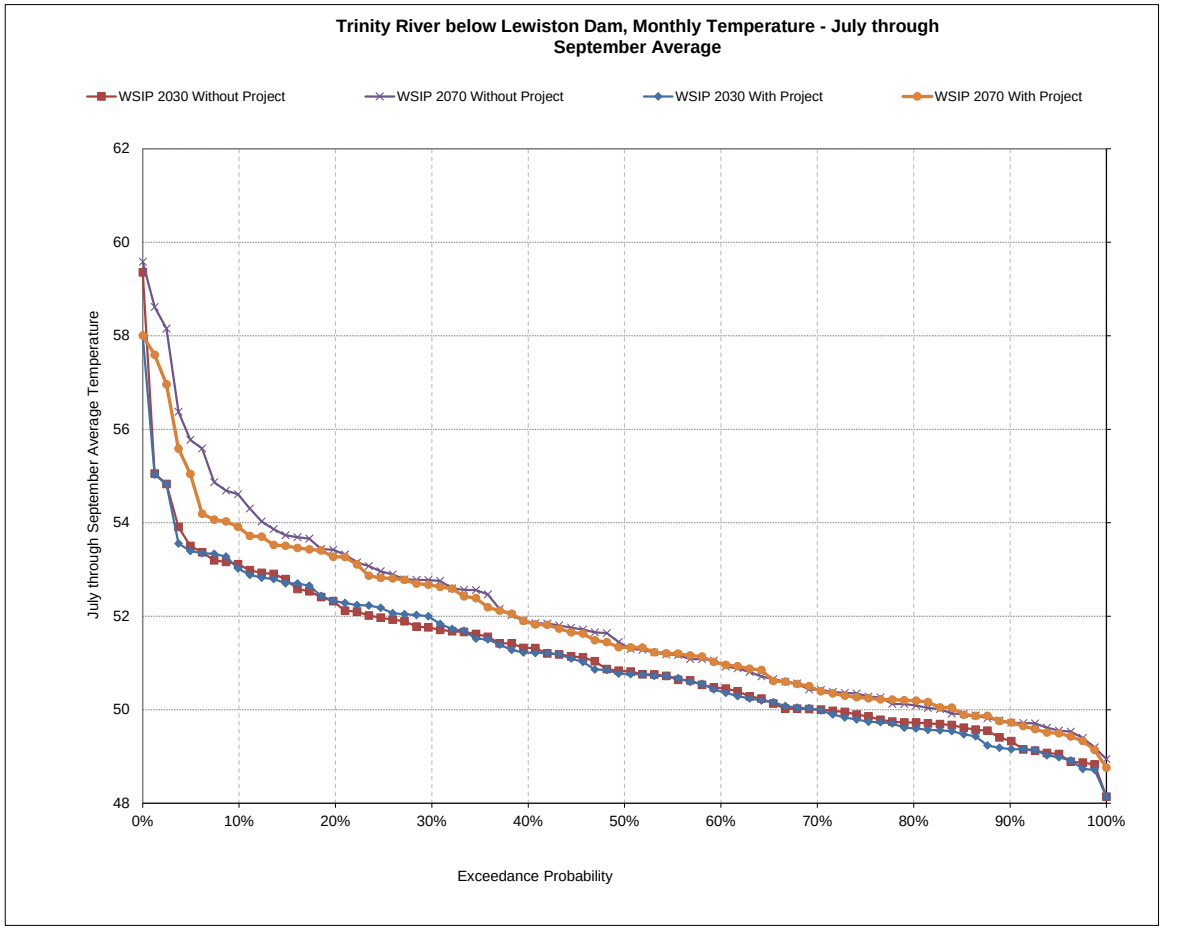
Trinity River below Lewiston Dam, July through September Average Temperature
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	July through September Average Temperature		
	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
Long-term			
Full Simulation Period[1]			
Basis of Comparison	--	51	52
Alternative	--	51	52
Difference	--	0	0
Percent Difference[3]	--	-0.1%	-0.3%
Water Year Types[2]			
Wet			
Basis of Comparison	0	50	50
Alternative	0	50	50
Difference	0	0	0
Percent Difference		-0.3%	0.0%
Above Normal			
Basis of Comparison	0	50	51
Alternative	0	50	51
Difference	0	0	0
Percent Difference		0.0%	-0.5%
Below Normal			
Basis of Comparison	0	51	51
Alternative	0	51	51
Difference	0	0	0
Percent Difference		0.0%	0.0%
Dry			
Basis of Comparison	0	52	53
Alternative	0	52	52
Difference	0	0	0
Percent Difference		0.3%	-0.4%
Critical			
Basis of Comparison	0	54	55
Alternative	0	54	55
Difference	0	0	-1
Percent Difference		-0.4%	-1.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

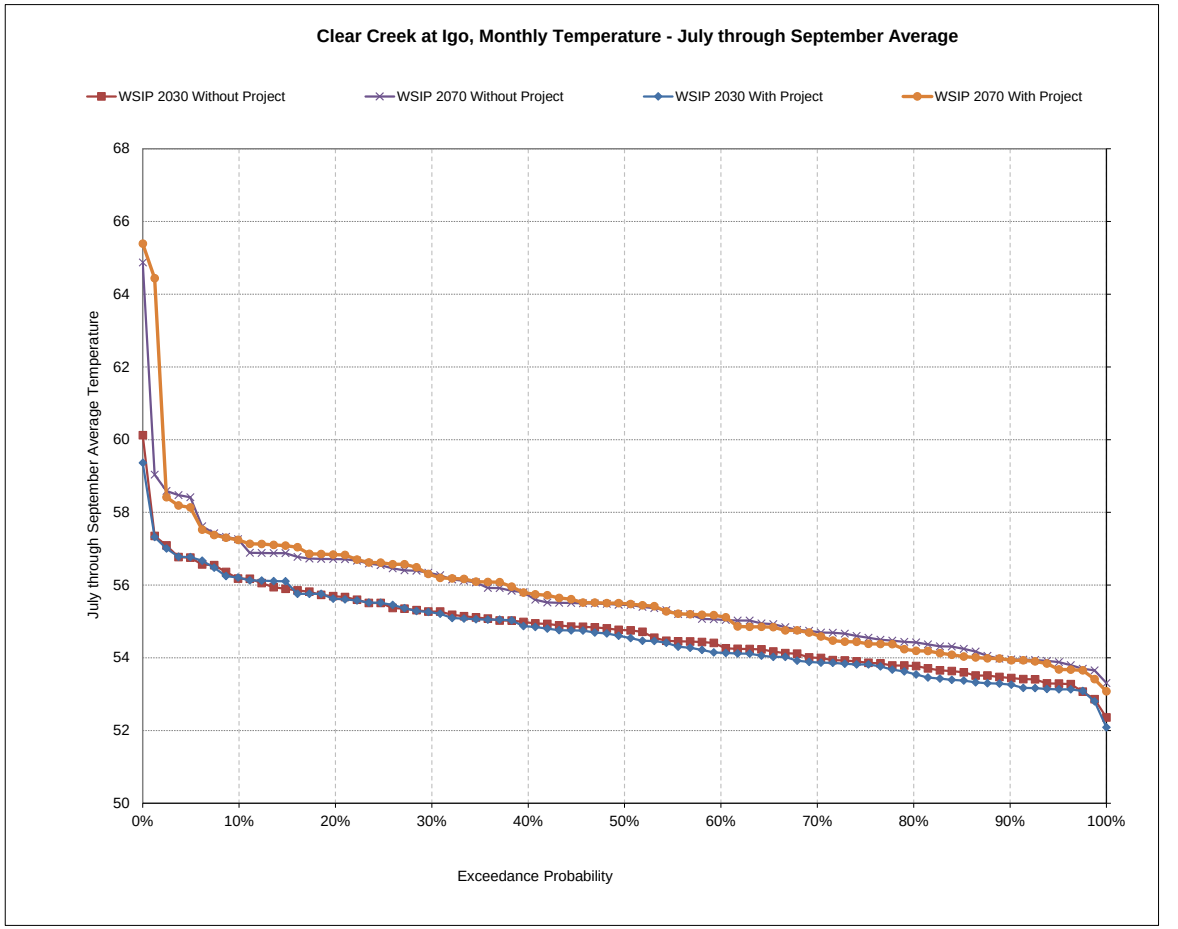
Clear Creek at Igo, July through September Average Temperature
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	July through September Average Temperature		
	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
Long-term			
Full Simulation Period[1]			
Basis of Comparison	--	55	56
Alternative	--	55	56
Difference	--	0	0
Percent Difference[3]	--	-0.2%	0.1%
Water Year Types[2]			
Wet			
Basis of Comparison	0	54	55
Alternative	0	54	55
Difference	0	0	0
Percent Difference		-0.2%	0.7%
Above Normal			
Basis of Comparison	0	54	55
Alternative	0	54	55
Difference	0	0	0
Percent Difference		-0.2%	-0.4%
Below Normal			
Basis of Comparison	0	55	55
Alternative	0	54	55
Difference	0	0	0
Percent Difference		-0.2%	0.4%
Dry			
Basis of Comparison	0	55	56
Alternative	0	55	56
Difference	0	0	0
Percent Difference		-0.2%	0.1%
Critical			
Basis of Comparison	0	57	58
Alternative	0	57	58
Difference	0	0	0
Percent Difference		-0.2%	-0.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

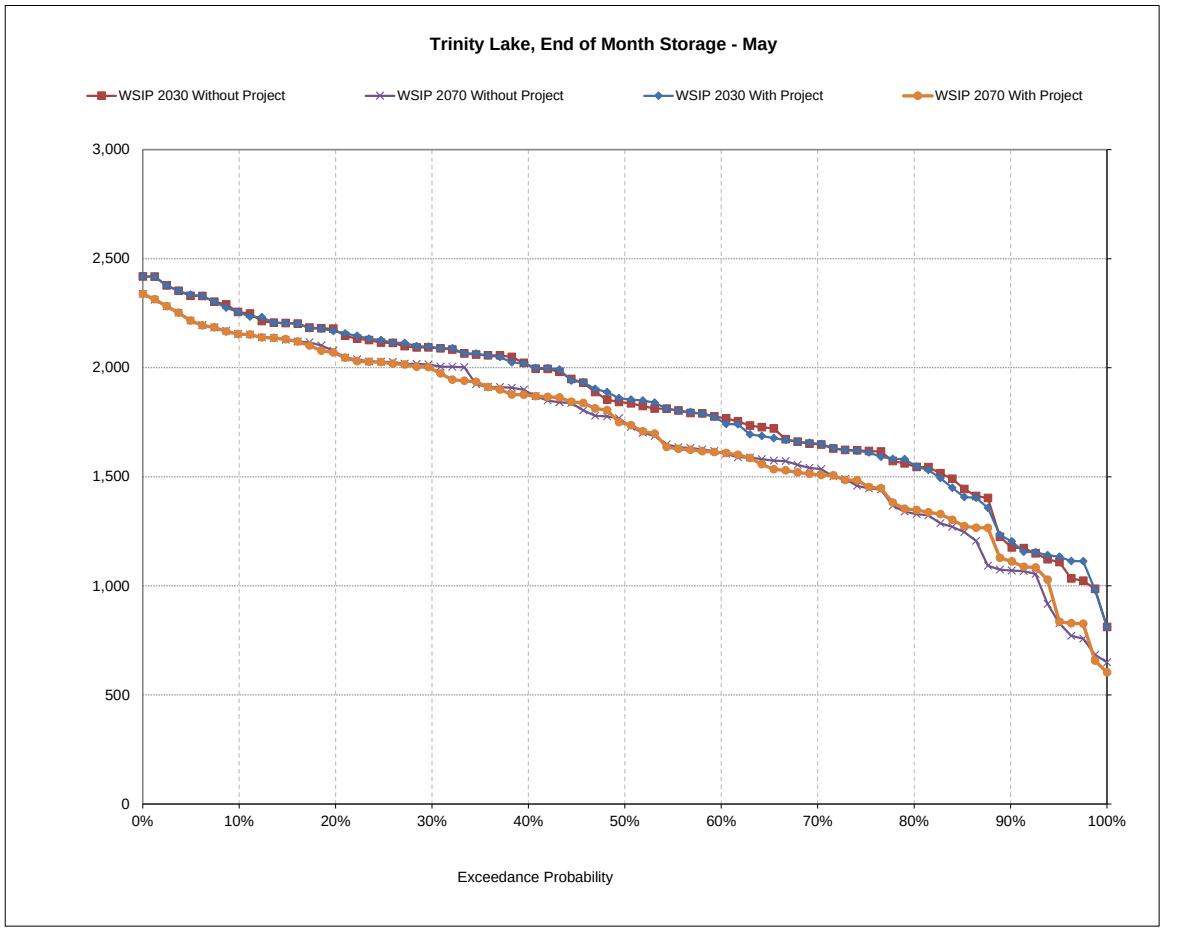
Trinity Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	1,826	1,689
Alternative	--	1,827	1,693
Difference	--	1	5
Percent Difference[3]	--	0.1%	0.3%
	Water Year Types[2]		
Wet			
Basis of Comparison	0	2,167	2,058
Alternative	0	2,172	2,056
Difference	0	5	-3
Percent Difference		0.2%	-0.1%
Above Normal			
Basis of Comparison	0	2,057	1,968
Alternative	0	2,067	1,975
Difference	0	9	8
Percent Difference		0.5%	0.4%
Below Normal			
Basis of Comparison	0	1,781	1,697
Alternative	0	1,770	1,691
Difference	0	-11	-7
Percent Difference		-0.6%	-0.4%
Dry			
Basis of Comparison	0	1,636	1,453
Alternative	0	1,626	1,471
Difference	0	-11	17
Percent Difference		-0.6%	1.2%
Critical			
Basis of Comparison	0	1,201	1,016
Alternative	0	1,217	1,024
Difference	0	16	9
Percent Difference		1.3%	0.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

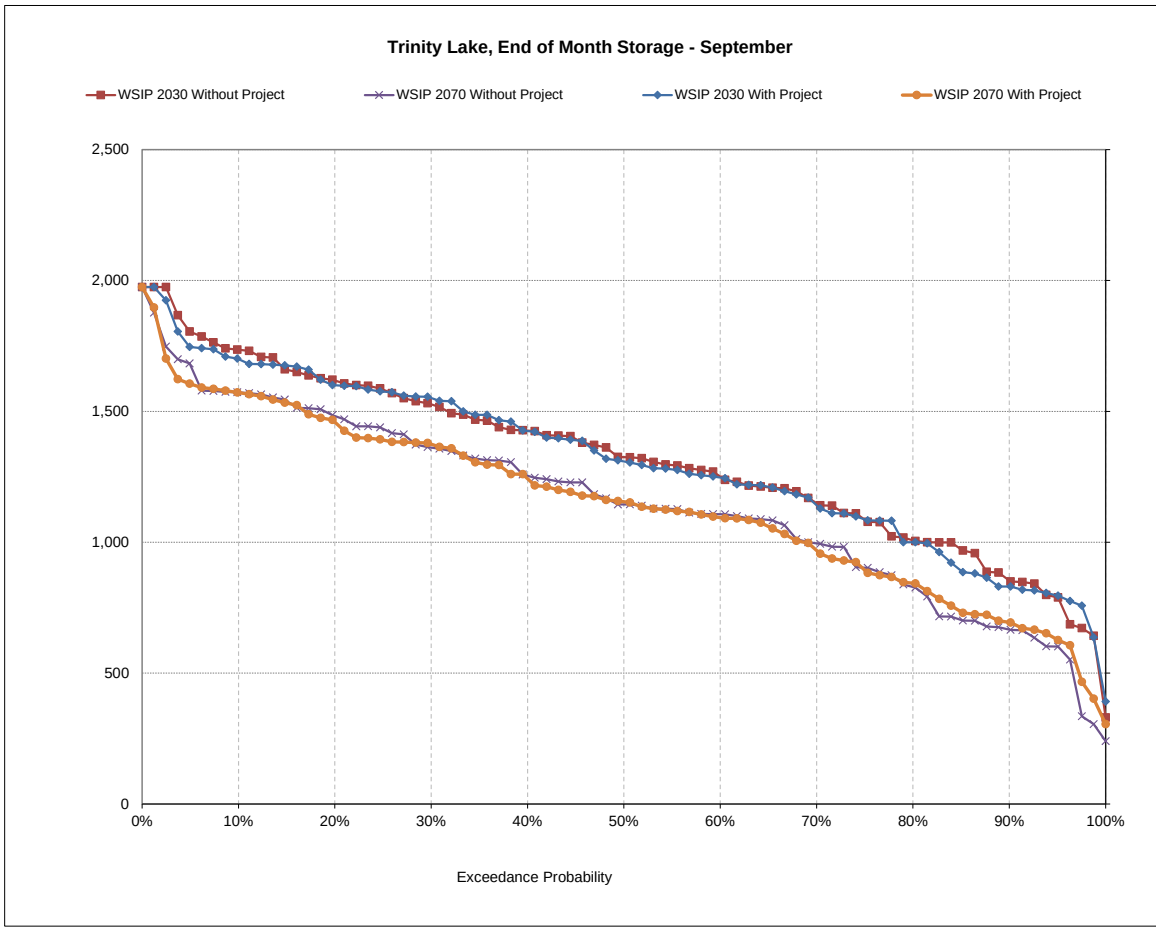
Trinity Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	1,320	1,152
Alternative	--	1,312	1,149
Difference	--	-8	-3
Percent Difference[3]	--	-0.6%	-0.3%
	Water Year Types[2]		
Wet			
Basis of Comparison	0	1,626	1,456
Alternative	0	1,608	1,434
Difference	0	-18	-22
Percent Difference		-1.1%	-1.5%
Above Normal			
Basis of Comparison	0	1,511	1,420
Alternative	0	1,527	1,395
Difference	0	16	-25
Percent Difference		1.0%	-1.8%
Below Normal			
Basis of Comparison	0	1,306	1,181
Alternative	0	1,289	1,170
Difference	0	-17	-11
Percent Difference		-1.3%	-0.9%
Dry			
Basis of Comparison	0	1,104	903
Alternative	0	1,093	913
Difference	0	-11	10
Percent Difference		-1.0%	1.1%
Critical			
Basis of Comparison	0	800	627
Alternative	0	807	673
Difference	0	7	47
Percent Difference		0.9%	7.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

Trinity Lake, Shasta Lake, Lake Oroville, Folsom Lake and Sites Reservoir, End of Month Storage

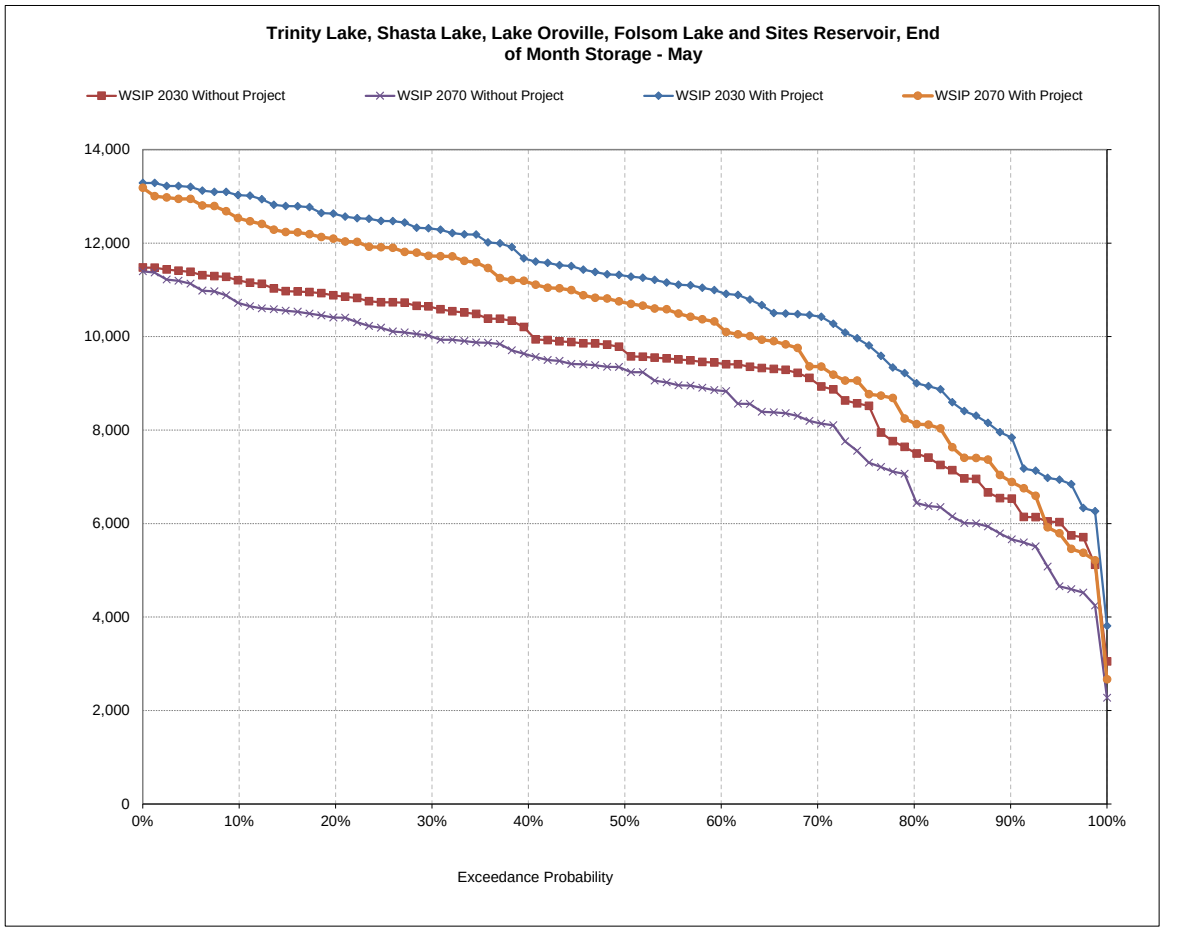
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	9,304	8,670
Alternative	--	10,845	10,173
Difference	--	1,541	1,503
Percent Difference[3]	--	16.6%	17.3%
	Water Year Types[2]		
Wet			
Basis of Comparison	0	10,835	10,353
Alternative	0	12,585	12,070
Difference	0	1,750	1,718
Percent Difference		16.1%	16.6%
Above Normal			
Basis of Comparison	0	10,537	10,173
Alternative	0	12,266	11,815
Difference	0	1,729	1,642
Percent Difference		16.4%	16.1%
Below Normal			
Basis of Comparison	0	9,474	8,974
Alternative	0	11,011	10,488
Difference	0	1,538	1,514
Percent Difference		16.2%	16.9%
Dry			
Basis of Comparison	0	8,293	7,607
Alternative	0	9,723	9,037
Difference	0	1,430	1,430
Percent Difference		17.2%	18.8%
Critical			
Basis of Comparison	0	5,991	5,087
Alternative	0	7,063	6,109
Difference	0	1,072	1,022
Percent Difference		17.9%	20.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

Trinity Lake, Shasta Lake, Lake Oroville, Folsom Lake and Sites Reservoir, End of Month Storage

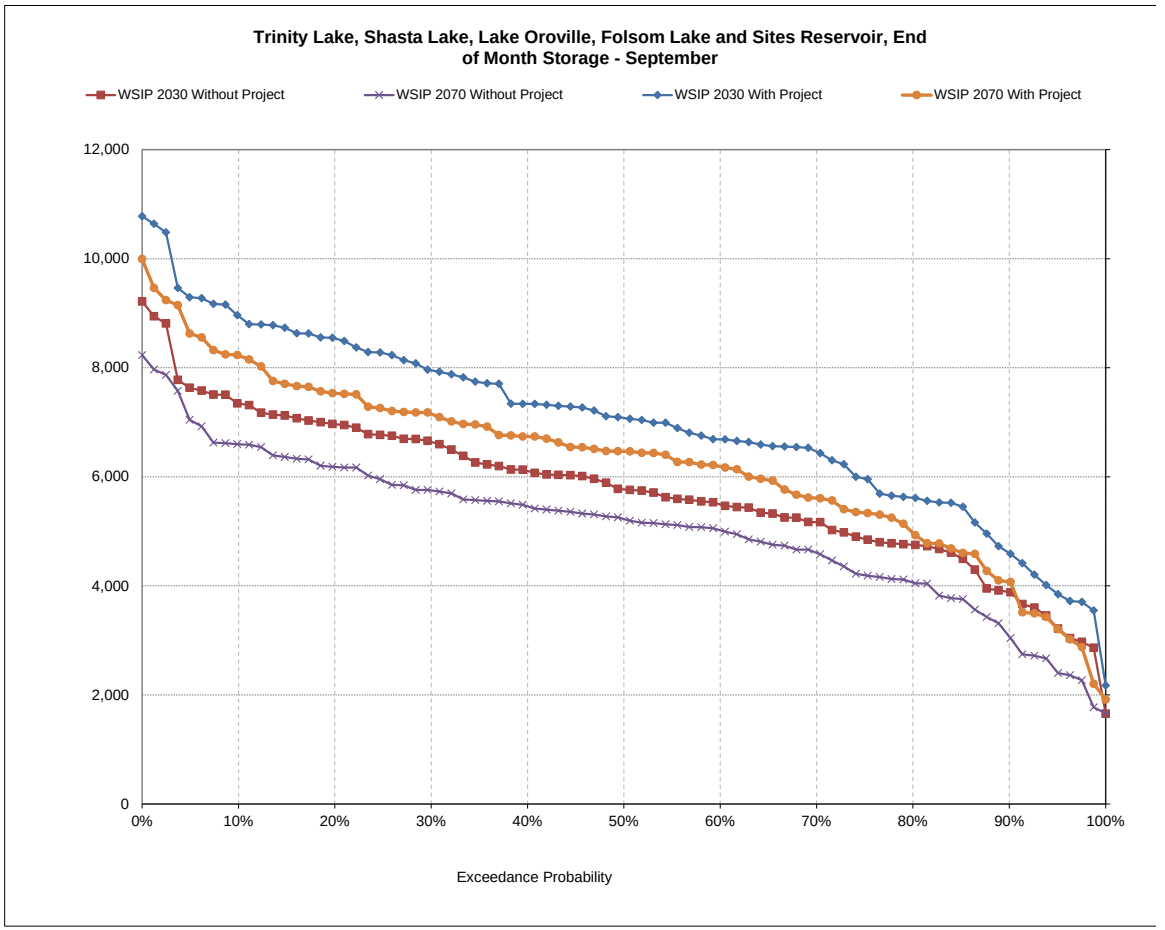
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	5,761	5,077
Alternative	--	7,007	6,262
Difference	--	1,246	1,185
Percent Difference[3]	--	21.6%	23.3%
	Water Year Types[2]		
Wet			
Basis of Comparison	0	6,910	6,019
Alternative	0	8,505	7,541
Difference	0	1,596	1,522
Percent Difference		23.1%	25.3%
Above Normal			
Basis of Comparison	0	6,424	5,917
Alternative	0	7,931	7,299
Difference	0	1,507	1,381
Percent Difference		23.5%	23.3%
Below Normal			
Basis of Comparison	0	5,837	5,440
Alternative	0	7,042	6,565
Difference	0	1,205	1,125
Percent Difference		20.6%	20.7%
Dry			
Basis of Comparison	0	5,078	4,560
Alternative	0	6,057	5,519
Difference	0	978	959
Percent Difference		19.3%	21.0%
Critical			
Basis of Comparison	0	3,509	2,736
Alternative	0	4,179	3,449
Difference	0	670	713
Percent Difference		19.1%	26.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

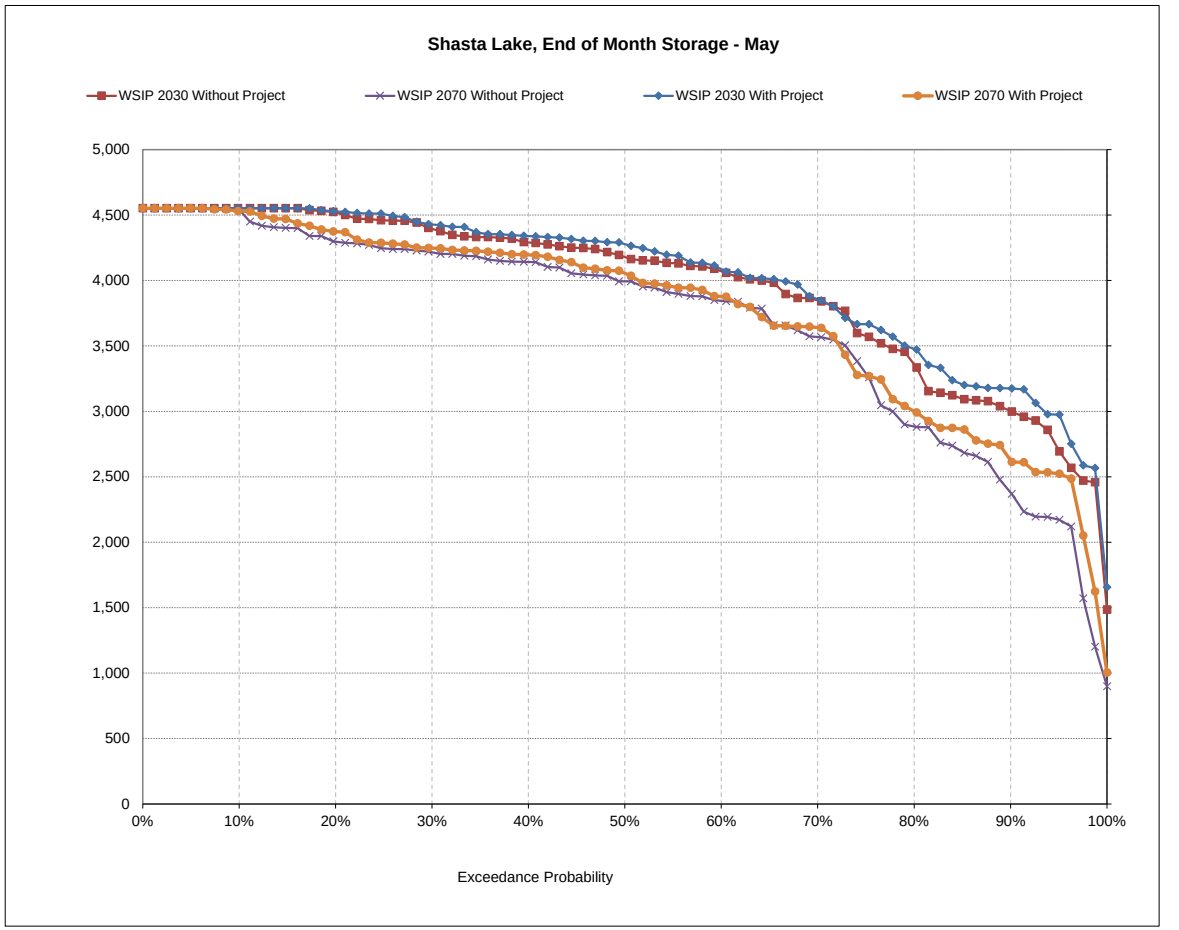
Shasta Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	3,950	3,681
Alternative	--	4,009	3,761
Difference	--	59	80
Percent Difference[3]	--	1.5%	2.2%
	Water Year Types[2]		
Wet			
Basis of Comparison	0	4,387	4,228
Alternative	0	4,405	4,242
Difference	0	18	14
Percent Difference		0.4%	0.3%
Above Normal			
Basis of Comparison	0	4,322	4,271
Alternative	0	4,359	4,289
Difference	0	37	18
Percent Difference		0.9%	0.4%
Below Normal			
Basis of Comparison	0	4,133	3,949
Alternative	0	4,155	4,018
Difference	0	22	69
Percent Difference		0.5%	1.8%
Dry			
Basis of Comparison	0	3,663	3,386
Alternative	0	3,765	3,478
Difference	0	101	92
Percent Difference		2.8%	2.7%
Critical			
Basis of Comparison	0	2,787	2,157
Alternative	0	2,953	2,428
Difference	0	166	271
Percent Difference		6.0%	12.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

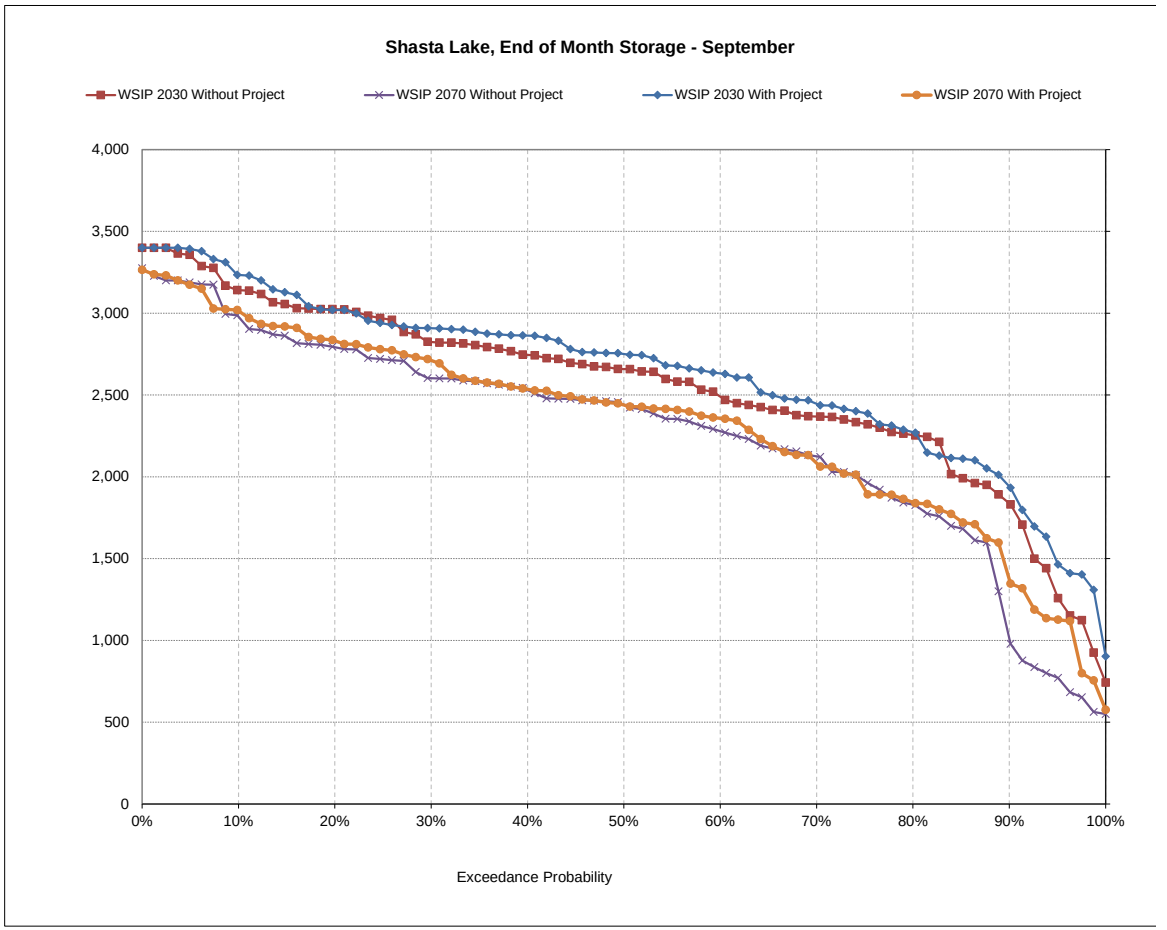
Shasta Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	2,544	2,262
Alternative	--	2,627	2,321
Difference	--	83	59
Percent Difference[3]	--	3.3%	2.6%
	Water Year Types[2]		
Wet			
Basis of Comparison	0	2,837	2,552
Alternative	0	2,855	2,544
Difference	0	18	-8
Percent Difference		0.6%	-0.3%
Above Normal			
Basis of Comparison	0	2,758	2,686
Alternative	0	2,940	2,789
Difference	0	182	104
Percent Difference		6.6%	3.9%
Below Normal			
Basis of Comparison	0	2,771	2,658
Alternative	0	2,836	2,646
Difference	0	65	-13
Percent Difference		2.3%	-0.5%
Dry			
Basis of Comparison	0	2,457	2,167
Alternative	0	2,514	2,224
Difference	0	57	56
Percent Difference		2.3%	2.6%
Critical			
Basis of Comparison	0	1,515	971
Alternative	0	1,696	1,219
Difference	0	181	247
Percent Difference		12.0%	25.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

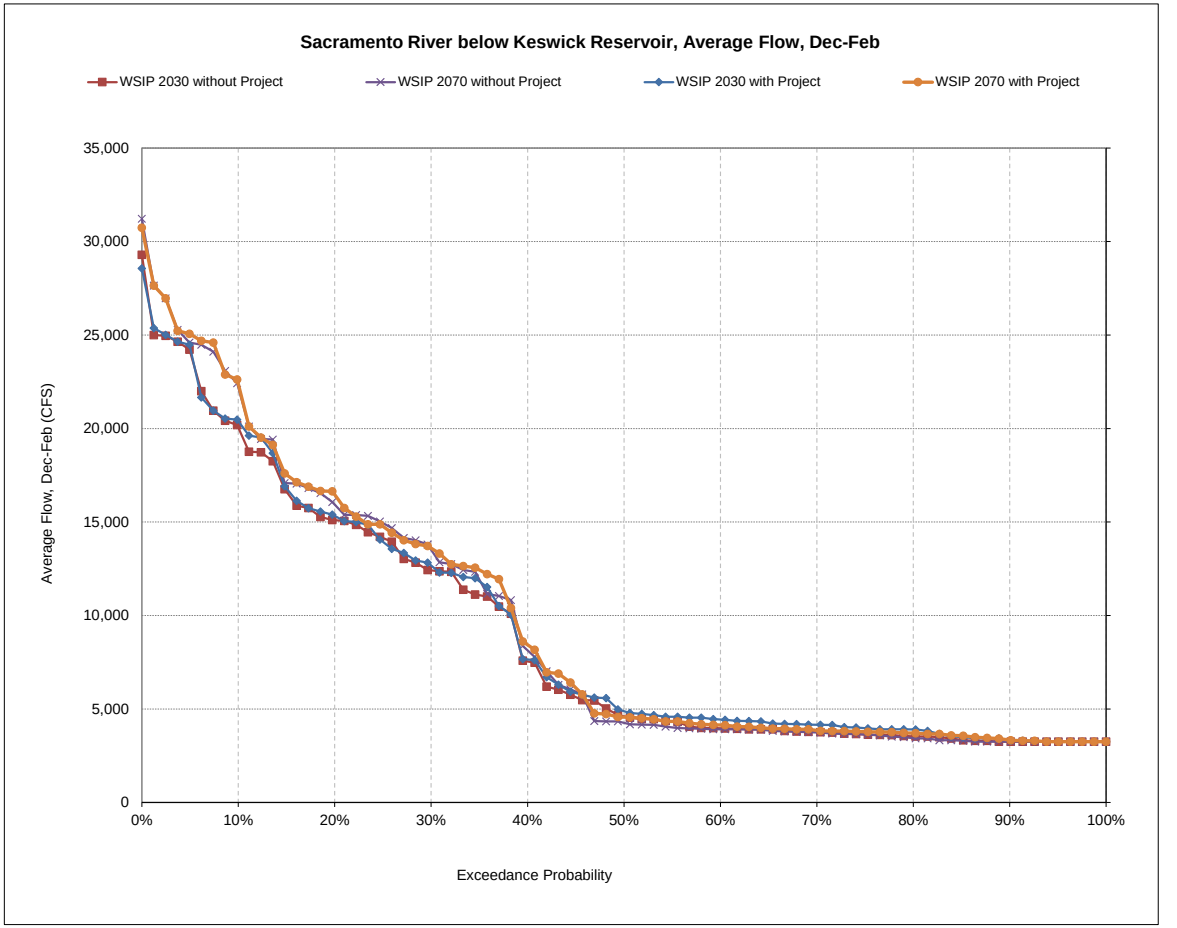
Sacramento River below Keswick Reservoir, Average Flow, Dec-Feb
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	Average Flow, Dec-Feb (CFS) DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	9,028	9,459
Alternative	--	9,256	9,617
Difference	--	228	157
Percent Difference[3]	--	2.5%	1.7%
	Water Year Types[2]		
Wet			
Basis of Comparison	0	17,411	18,072
Alternative	0	17,654	18,114
Difference	0	242	43
Percent Difference		1.4%	0.2%
Above Normal			
Basis of Comparison	0	9,921	10,680
Alternative	0	9,943	10,779
Difference	0	22	99
Percent Difference		0.2%	0.9%
Below Normal			
Basis of Comparison	0	4,711	5,479
Alternative	0	4,889	5,693
Difference	0	177	214
Percent Difference		3.8%	3.9%
Dry			
Basis of Comparison	0	3,969	3,736
Alternative	0	4,442	3,964
Difference	0	474	228
Percent Difference		11.9%	6.1%
Critical			
Basis of Comparison	0	3,532	3,531
Alternative	0	3,679	3,810
Difference	0	147	279
Percent Difference		4.2%	7.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

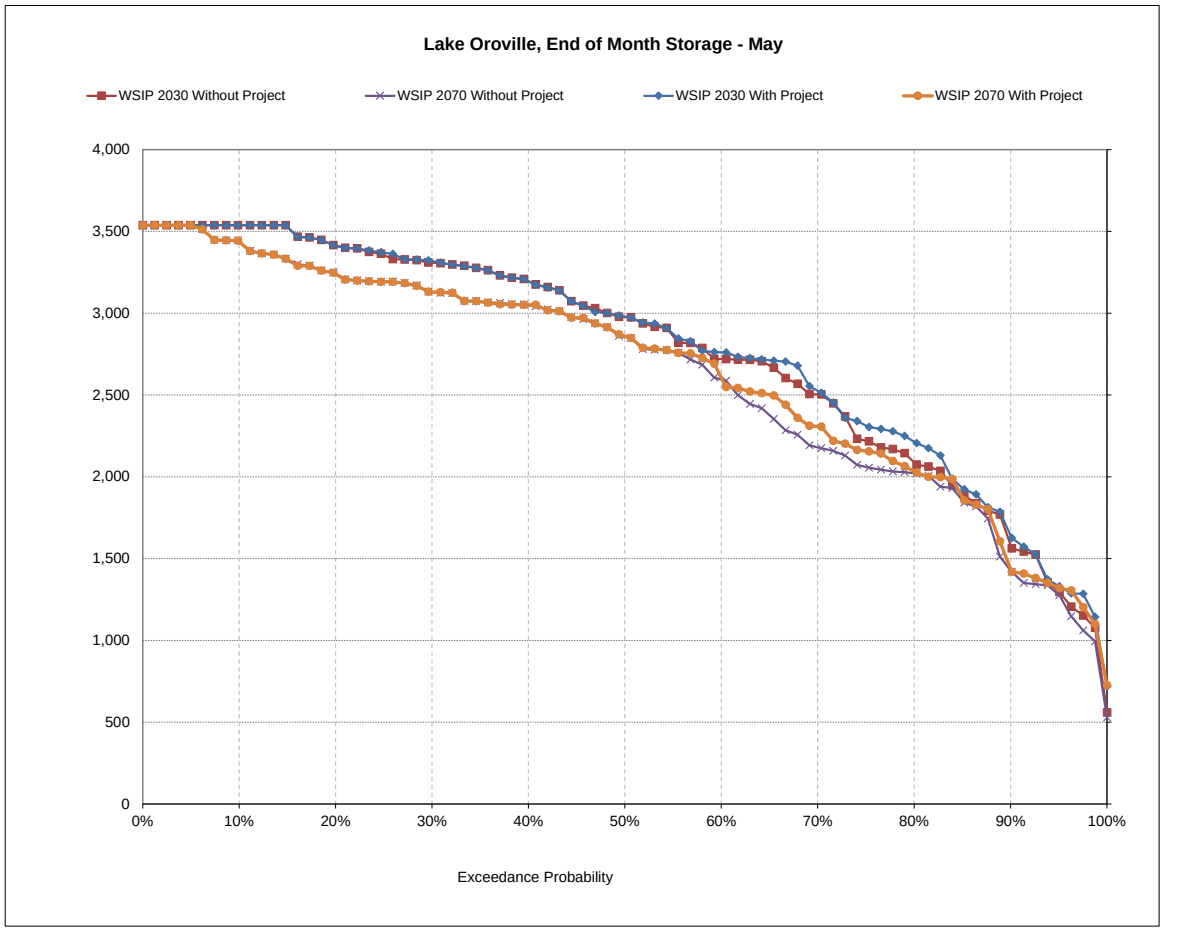
Lake Oroville, End of Month Storage
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	2,760	2,620
Alternative	--	2,786	2,651
Difference	--	26	31
Percent Difference[3]	--	0.9%	1.2%
	Water Year Types[2]		
Wet			
Basis of Comparison	0	3,383	3,258
Alternative	0	3,381	3,258
Difference	0	-1	0
Percent Difference		0.0%	0.0%
Above Normal			
Basis of Comparison	0	3,313	3,166
Alternative	0	3,318	3,165
Difference	0	6	-1
Percent Difference		0.2%	0.0%
Below Normal			
Basis of Comparison	0	2,764	2,609
Alternative	0	2,792	2,644
Difference	0	28	35
Percent Difference		1.0%	1.3%
Dry			
Basis of Comparison	0	2,294	2,167
Alternative	0	2,332	2,206
Difference	0	38	39
Percent Difference		1.7%	1.8%
Critical			
Basis of Comparison	0	1,527	1,507
Alternative	0	1,611	1,618
Difference	0	83	111
Percent Difference		5.5%	7.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

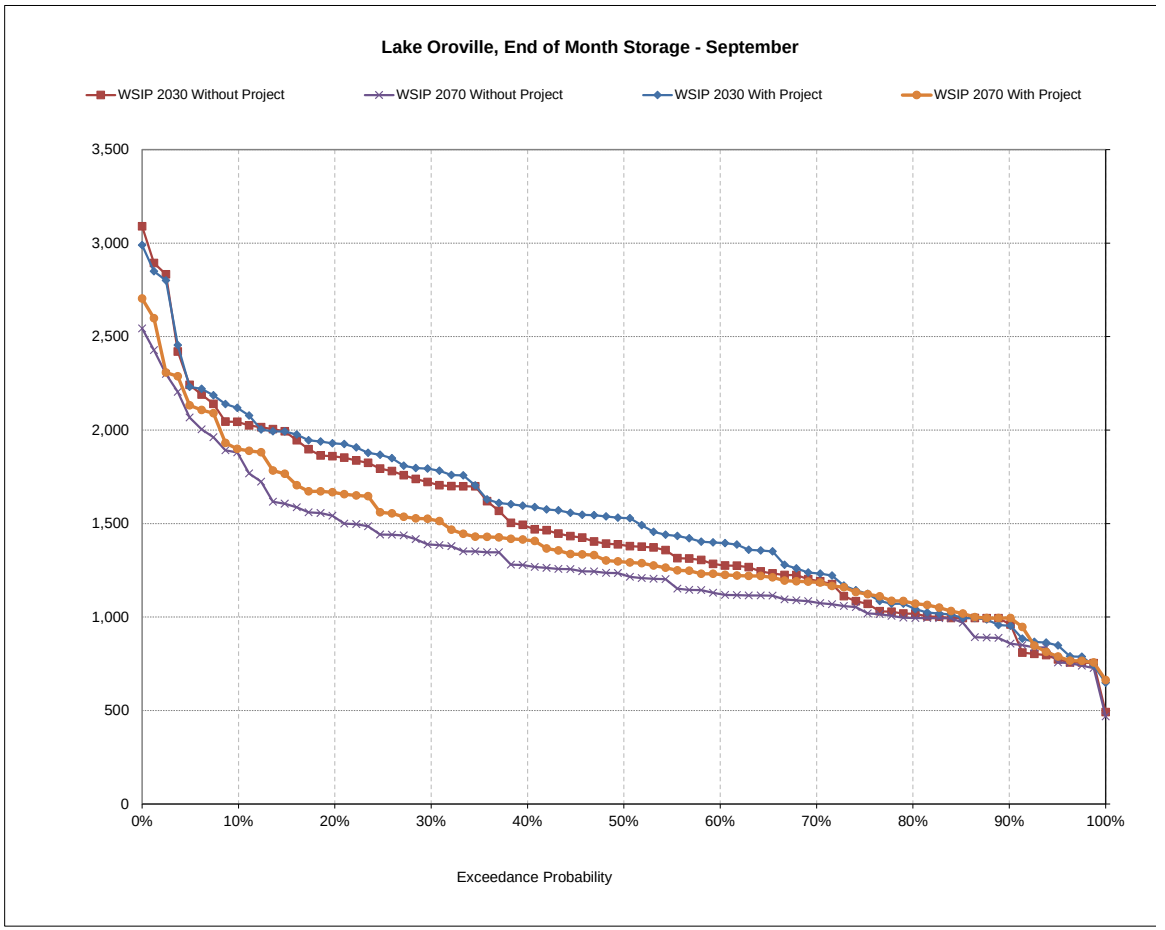
Lake Oroville, End of Month Storage
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	1,469	1,287
Alternative	--	1,528	1,383
Difference	--	59	96
Percent Difference[3]	--	4.0%	7.4%
	Water Year Types[2]		
Wet			
Basis of Comparison	0	1,938	1,585
Alternative	0	1,974	1,695
Difference	0	36	110
Percent Difference		1.8%	6.9%
Above Normal			
Basis of Comparison	0	1,697	1,392
Alternative	0	1,778	1,549
Difference	0	81	157
Percent Difference		4.8%	11.3%
Below Normal			
Basis of Comparison	0	1,323	1,184
Alternative	0	1,435	1,353
Difference	0	112	170
Percent Difference		8.4%	14.3%
Dry			
Basis of Comparison	0	1,146	1,140
Alternative	0	1,195	1,147
Difference	0	49	7
Percent Difference		4.3%	0.6%
Critical			
Basis of Comparison	0	901	903
Alternative	0	924	979
Difference	0	23	76
Percent Difference		2.6%	8.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

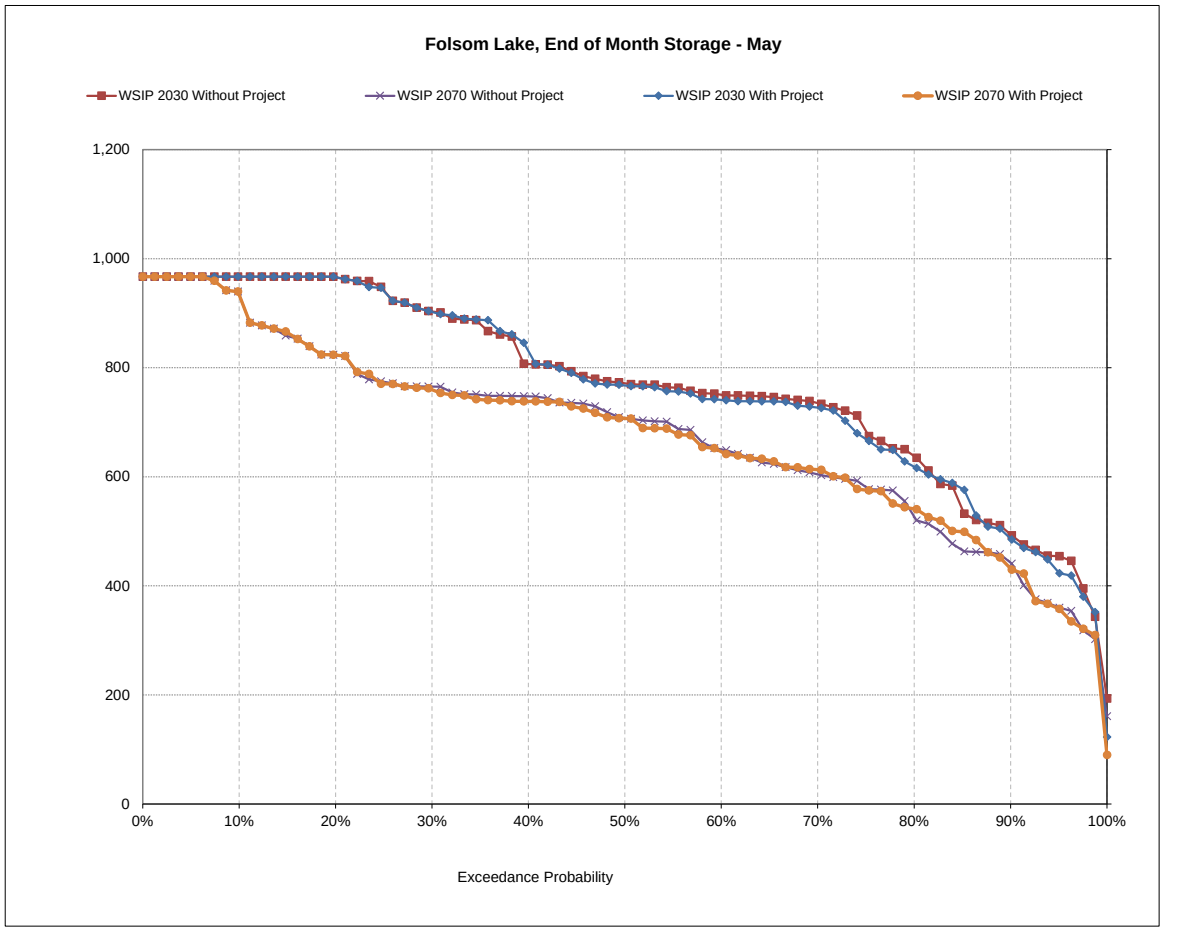
Folsom Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	769	679
Alternative	--	764	677
Difference	--	-4	-2
Percent Difference[3]	--	-0.5%	-0.3%
	Water Year Types[2]		
Wet			
Basis of Comparison	0	898	808
Alternative	0	896	805
Difference	0	-2	-3
Percent Difference		-0.2%	-0.4%
Above Normal			
Basis of Comparison	0	844	768
Alternative	0	841	764
Difference	0	-3	-4
Percent Difference		-0.4%	-0.6%
Below Normal			
Basis of Comparison	0	796	719
Alternative	0	790	713
Difference	0	-6	-6
Percent Difference		-0.7%	-0.9%
Dry			
Basis of Comparison	0	699	601
Alternative	0	692	607
Difference	0	-8	6
Percent Difference		-1.1%	1.0%
Critical			
Basis of Comparison	0	476	407
Alternative	0	473	401
Difference	0	-3	-5
Percent Difference		-0.6%	-1.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

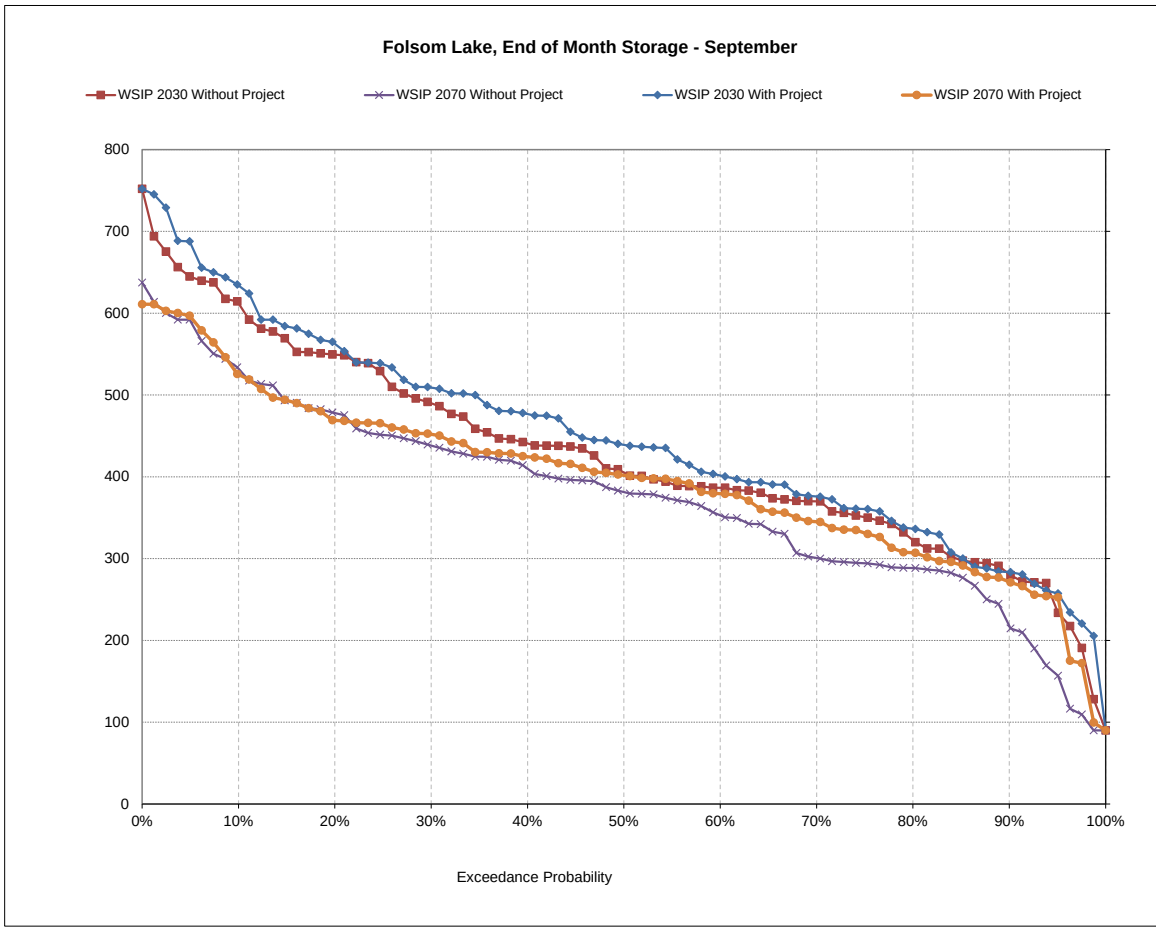
Folsom Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	428	377
Alternative	--	447	396
Difference	--	19	19
Percent Difference[3]	--	4.5%	5.2%
	Water Year Types[2]		
Wet			
Basis of Comparison	0	508	425
Alternative	0	516	431
Difference	0	9	6
Percent Difference		1.7%	1.5%
Above Normal			
Basis of Comparison	0	459	420
Alternative	0	487	459
Difference	0	28	39
Percent Difference		6.2%	9.3%
Below Normal			
Basis of Comparison	0	437	417
Alternative	0	464	448
Difference	0	27	31
Percent Difference		6.1%	7.4%
Dry			
Basis of Comparison	0	371	349
Alternative	0	410	373
Difference	0	38	24
Percent Difference		10.4%	6.7%
Critical			
Basis of Comparison	0	293	235
Alternative	0	289	246
Difference	0	-4	11
Percent Difference		-1.4%	4.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

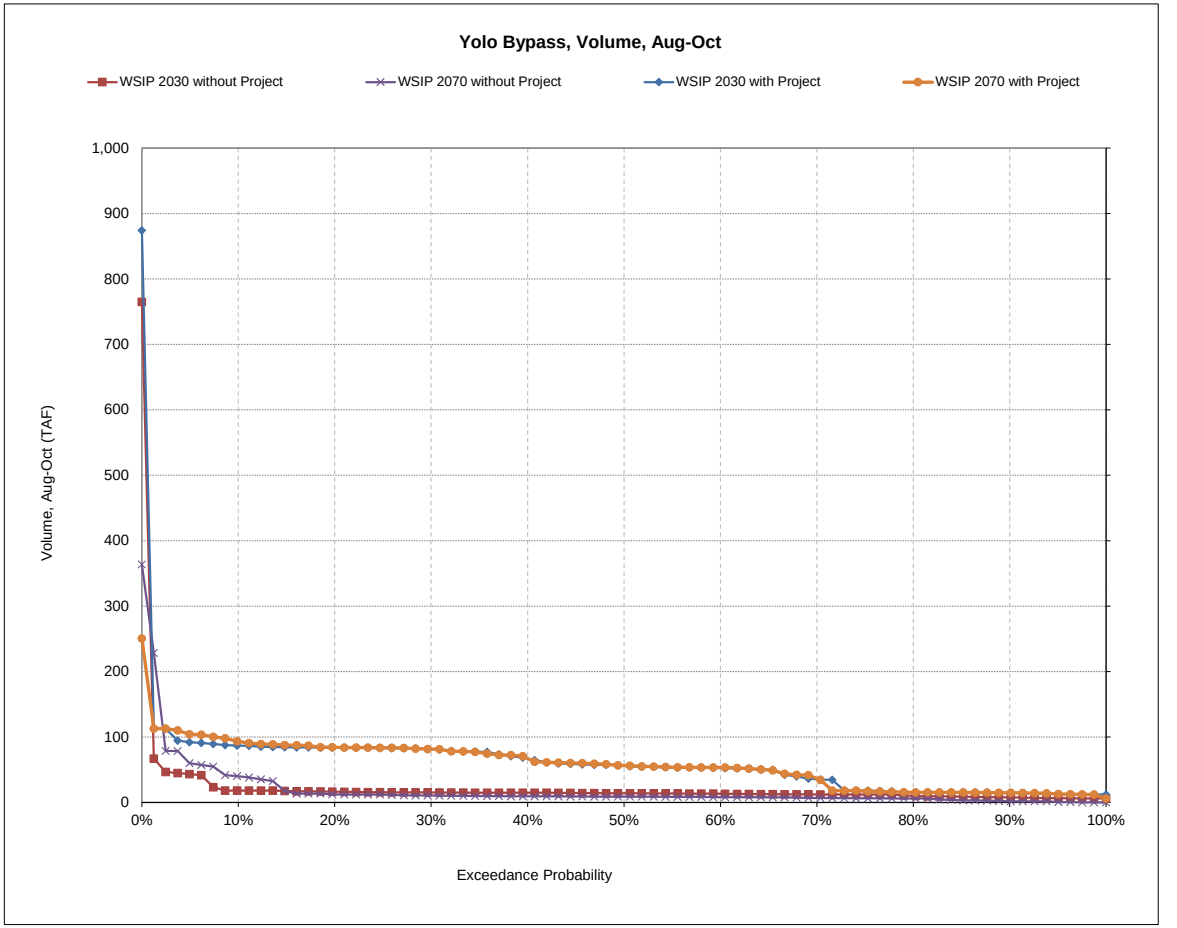
Yolo Bypass, Volume, Aug-Oct
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	Volume, Aug-Oct (TAF) DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	0	24	20
Alternative	0	64	58
Difference	0	40	38
Percent Difference[3]			
	Water Year Types[2]		
Wet			
Basis of Comparison	0	20	19
Alternative	0	65	76
Difference	0	46	57
Percent Difference			
Above Normal			
Basis of Comparison	0	13	16
Alternative	0	72	56
Difference	0	58	40
Percent Difference			
Below Normal			
Basis of Comparison	0	14	10
Alternative	0	57	55
Difference	0	43	45
Percent Difference			
Dry			
Basis of Comparison	0	60	37
Alternative	0	100	59
Difference	0	40	22
Percent Difference		66.4%	58.4%
Critical			
Basis of Comparison	0	13	9
Alternative	0	18	22
Difference	0	5	13
Percent Difference		33.5%	

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

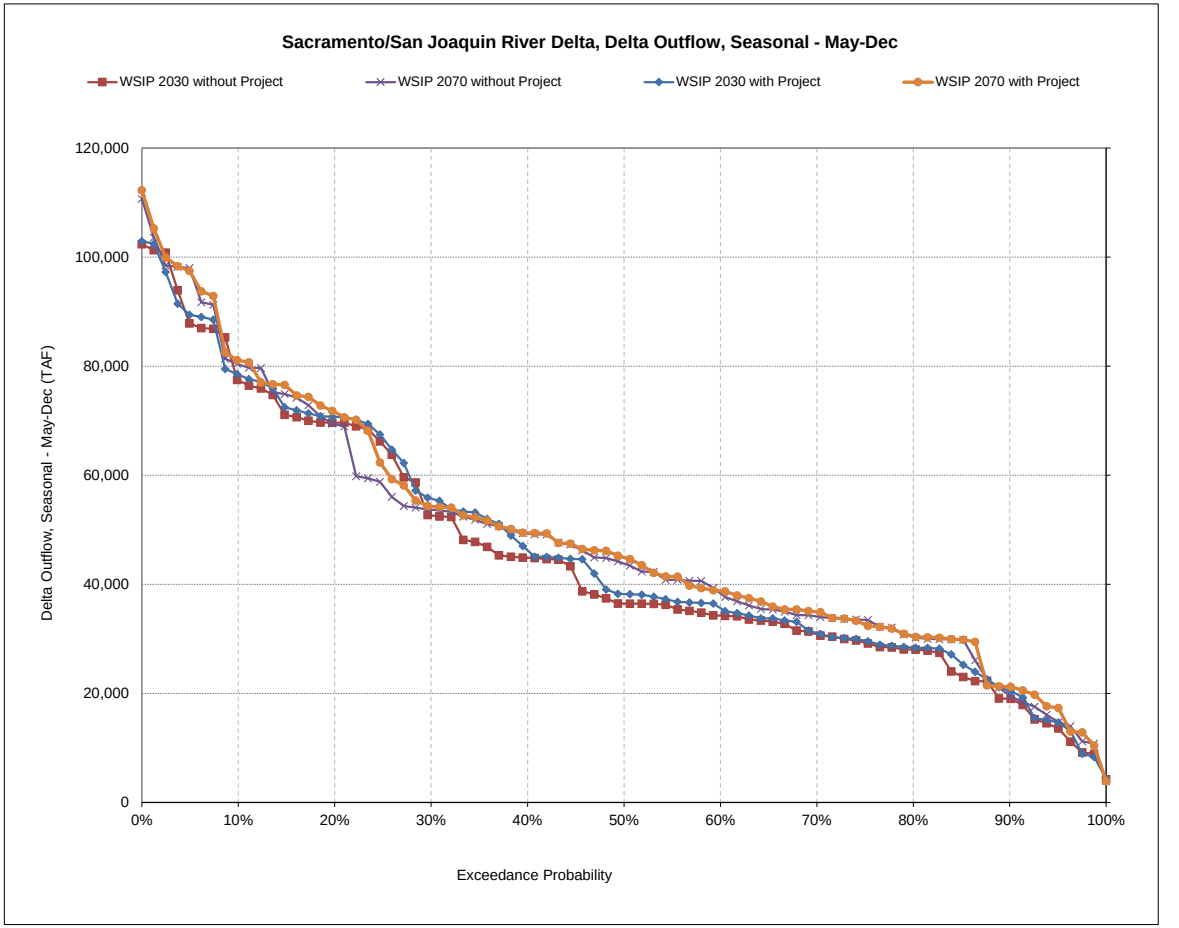
Sacramento/San Joaquin River Delta, Delta Outflow, Seasonal - May-Dec
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	Delta Outflow, Seasonal - May-Dec (TAF) DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	45,268	47,876
Alternative	--	46,488	48,858
Difference	--	1,221	982
Percent Difference[3]	--	2.7%	2.1%
	Water Year Types[2]		
Wet			
Basis of Comparison	0	59,723	59,858
Alternative	0	59,936	60,115
Difference	0	214	257
Percent Difference		0.4%	0.4%
Above Normal			
Basis of Comparison	0	59,917	63,973
Alternative	0	61,099	64,846
Difference	0	1,182	874
Percent Difference		2.0%	1.4%
Below Normal			
Basis of Comparison	0	30,669	36,025
Alternative	0	33,007	38,649
Difference	0	2,337	2,624
Percent Difference		7.6%	7.3%
Dry			
Basis of Comparison	0	40,898	39,615
Alternative	0	43,289	39,772
Difference	0	2,391	156
Percent Difference		5.8%	0.4%
Critical			
Basis of Comparison	0	27,011	33,765
Alternative	0	27,225	36,013
Difference	0	214	2,248
Percent Difference		0.8%	6.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



1 Based on the 82-year simulation period

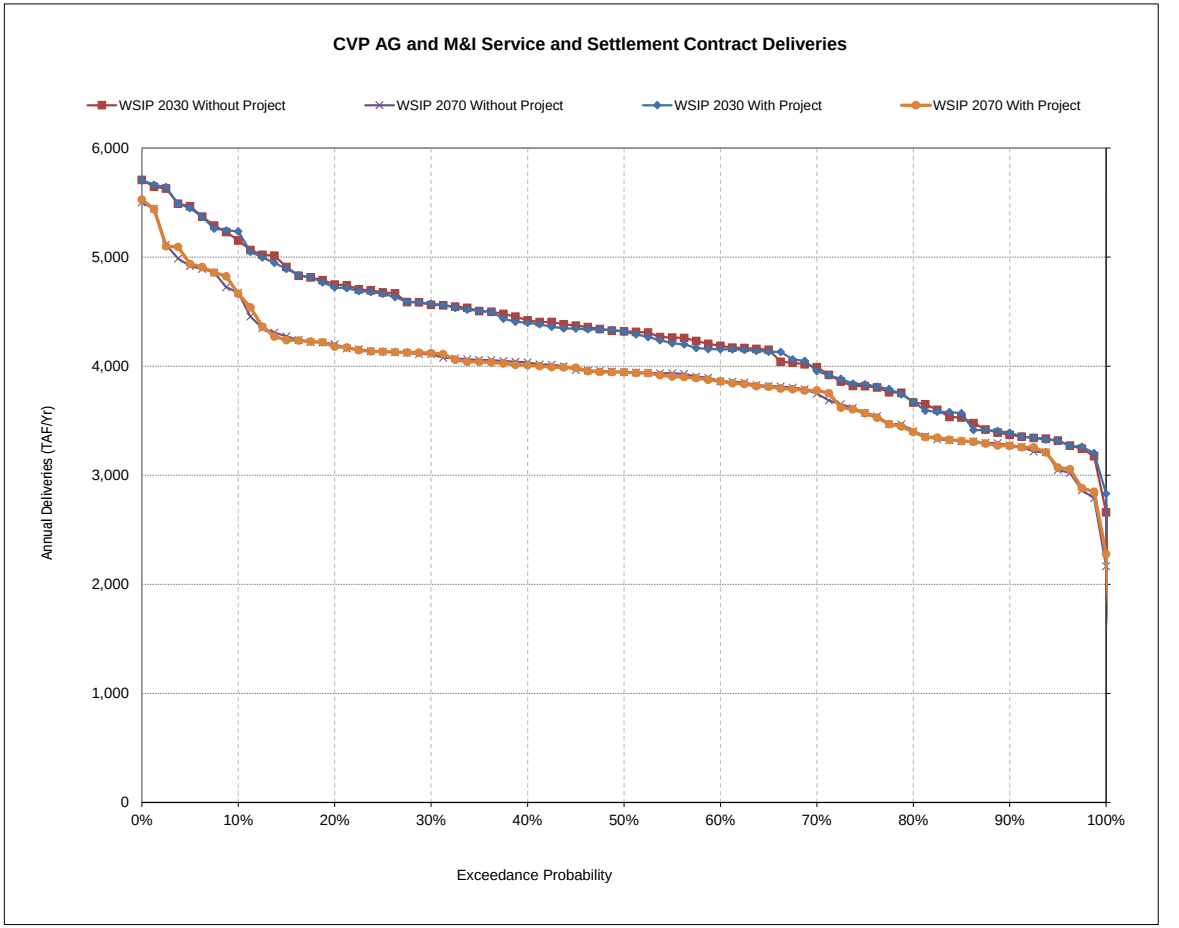
CVP AG and M&I Service and Settlement Contract Deliveries
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	Annual Deliveries (TAF/Yr) DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
	Long-term		
Full Simulation Period[1]			
Basis of Comparison	--	4,286	3,914
Alternative	--	4,280	3,916
Difference	--	-6	2
Percent Difference[3]	--	-0.1%	0.1%
	Water Year Types[2]		
Wet			
Basis of Comparison	--	4,908	4,423
Alternative	--	4,897	4,434
Difference	--	-11	11
Percent Difference	--	-0.2%	0.3%
Above Normal			
Basis of Comparison	--	4,234	3,753
Alternative	--	4,217	3,743
Difference	--	-17	-10
Percent Difference	--	-0.4%	-0.3%
Below Normal			
Basis of Comparison	--	4,197	3,808
Alternative	--	4,168	3,823
Difference	--	-28	15
Percent Difference	--	-0.7%	0.4%
Dry			
Basis of Comparison	--	3,855	3,683
Alternative	--	3,863	3,657
Difference	--	8	-25
Percent Difference	--	0.2%	-0.7%
Critical			
Basis of Comparison	--	3,385	3,135
Alternative	--	3,412	3,161
Difference	--	27	26
Percent Difference	--	0.8%	0.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



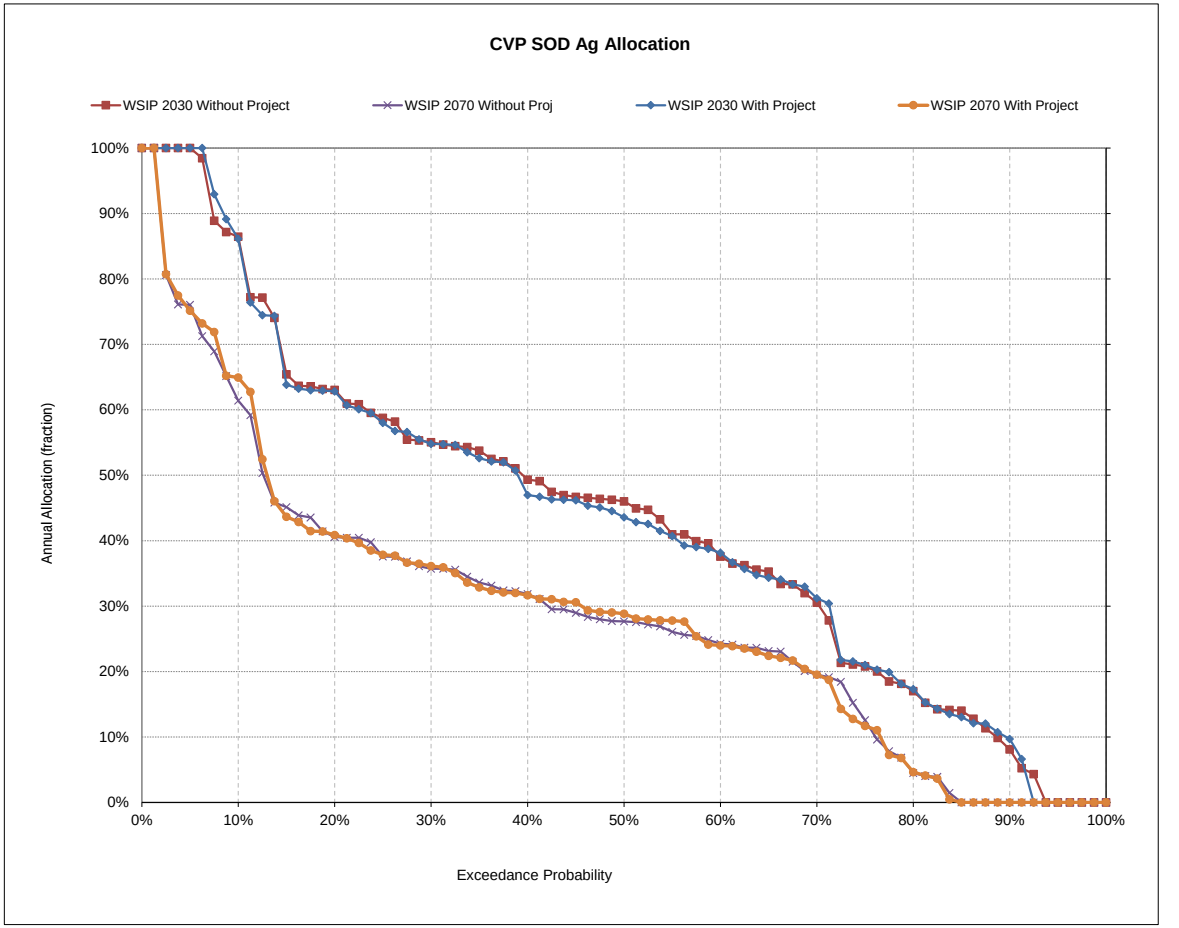
CVP SOD Ag Allocation
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	Annual Allocation (fraction) DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
Long-term			
Full Simulation Period[1]			
Basis of Comparison	--	0.44	0.29
Alternative	--	0.44	0.29
Difference	--	0.00	0.00
Percent Difference[3]	--	-0.6%	0.4%
Water Year Types[2]			
Wet			
Basis of Comparison	--	0.71	0.51
Alternative	--	0.71	0.51
Difference	--	0.00	0.01
Percent Difference	--	-0.3%	1.1%
Above Normal			
Basis of Comparison	--	0.52	0.34
Alternative	--	0.51	0.34
Difference	--	-0.01	0.00
Percent Difference	--	-1.9%	-0.9%
Below Normal			
Basis of Comparison	--	0.39	0.23
Alternative	--	0.37	0.23
Difference	--	-0.01	0.01
Percent Difference	--	-2.8%	3.5%
Dry			
Basis of Comparison	--	0.23	0.16
Alternative	--	0.23	0.16
Difference	--	0.01	-0.01
Percent Difference	--	2.8%	-4.0%
Critical			
Basis of Comparison	--	0.11	0.04
Alternative	--	0.12	0.04
Difference	--	0.00	0.00
Percent Difference	--	1.7%	1.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



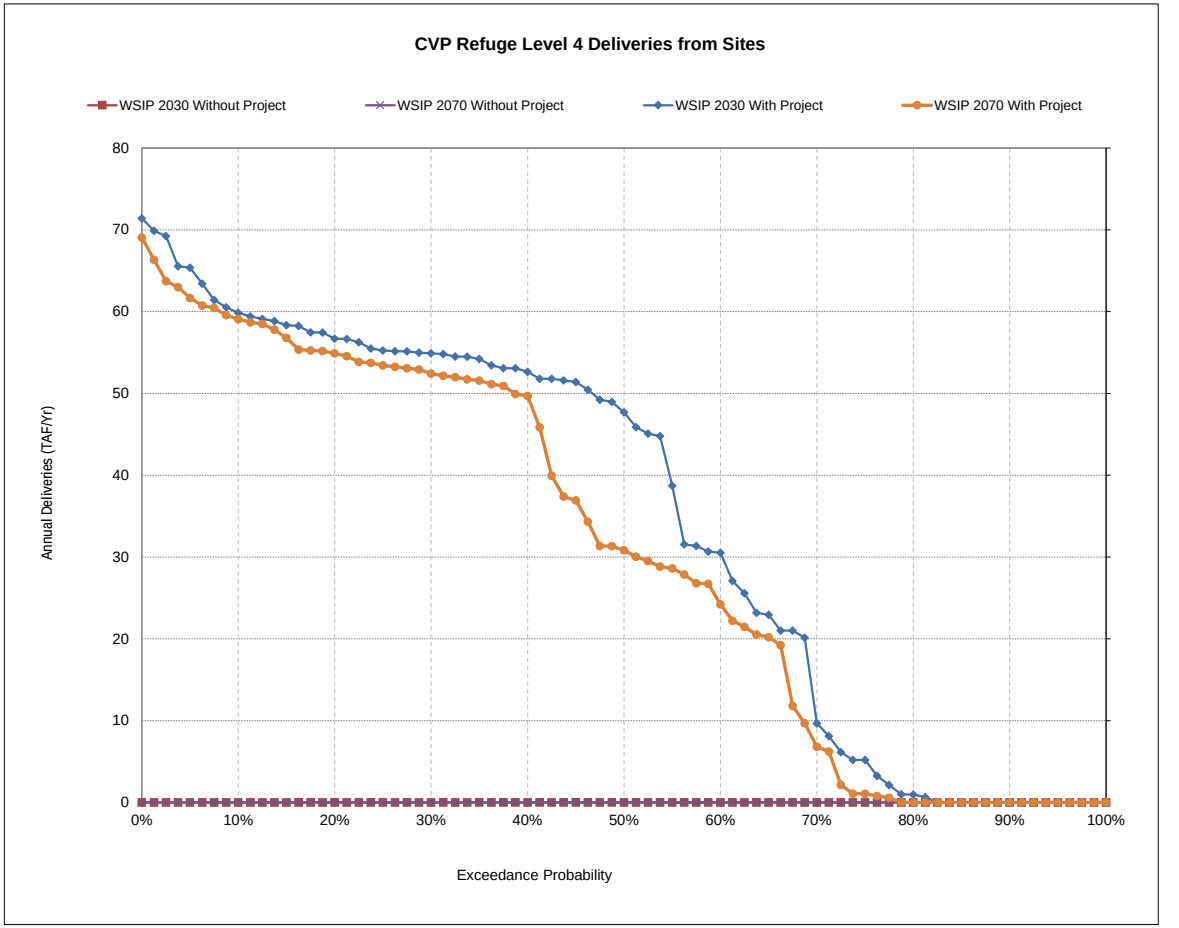
CVP Refuge Level 4 Deliveries from Sites
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	Annual Deliveries (TAF/Yr) DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
Long-term			
Full Simulation Period[1]			
Basis of Comparison	--	0	0
Alternative	--	35	31
Difference	--	35	31
Percent Difference[3]	--		
Water Year Types[2]			
Wet			
Basis of Comparison	--	0	0
Alternative	--	53	51
Difference	--	53	51
Percent Difference	--		
Above Normal			
Basis of Comparison	--	0	0
Alternative	--	43	37
Difference	--	43	37
Percent Difference	--		
Below Normal			
Basis of Comparison	--	0	0
Alternative	--	38	34
Difference	--	38	34
Percent Difference	--		
Dry			
Basis of Comparison	--	0	0
Alternative	--	21	16
Difference	--	21	16
Percent Difference	--		
Critical			
Basis of Comparison	--	0	0
Alternative	--	1	1
Difference	--	1	1
Percent Difference	--		

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



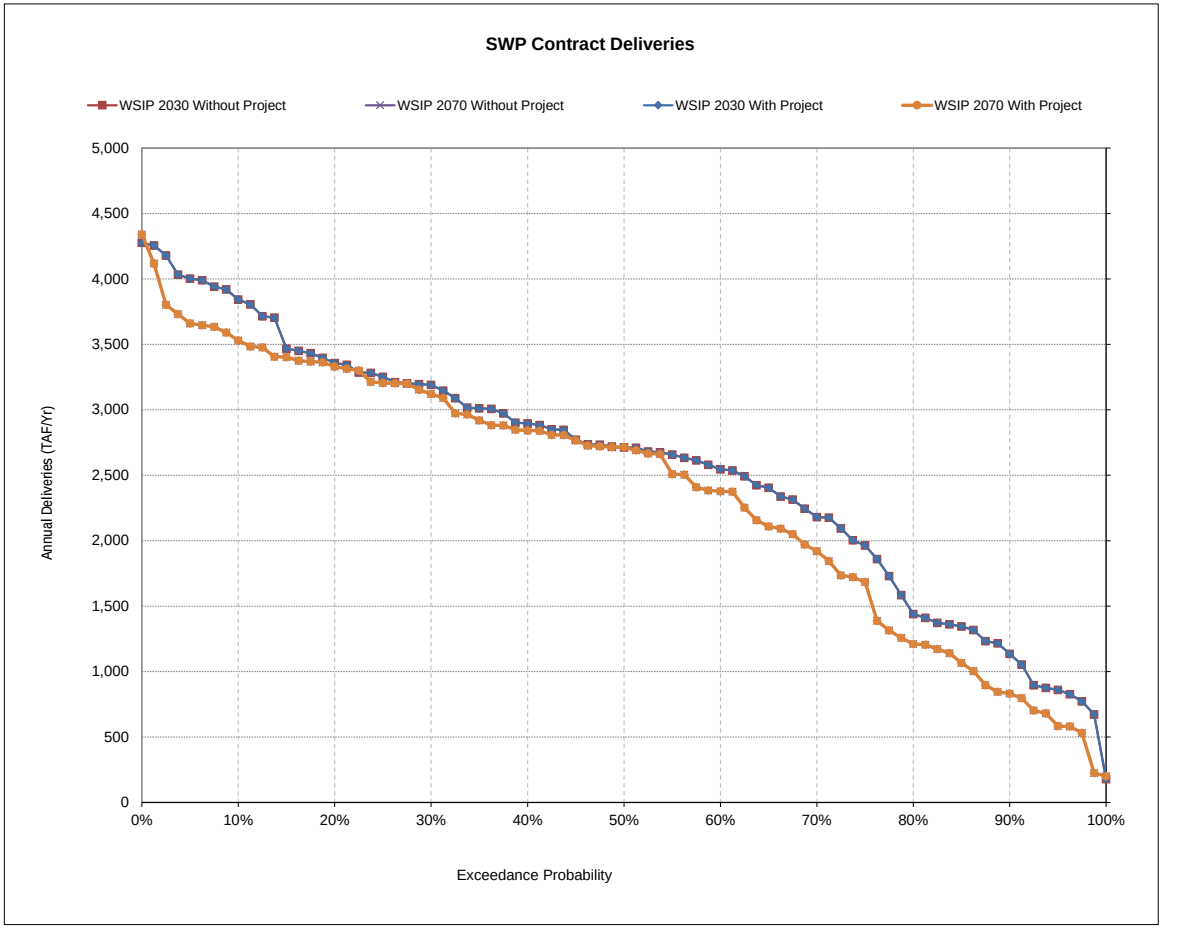
SWP Contract Deliveries
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	Annual Deliveries (TAF/Yr) DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
Long-term			
Full Simulation Period[1]			
Basis of Comparison	--	2,573	2,398
Alternative	--	2,573	2,398
Difference	--	0	0
Percent Difference[3]	--	0.0%	0.0%
Water Year Types[2]			
Wet			
Basis of Comparison	--	3,500	3,391
Alternative	--	3,500	3,391
Difference	--	0	0
Percent Difference	--	0.0%	0.0%
Above Normal			
Basis of Comparison	--	2,813	2,691
Alternative	--	2,813	2,691
Difference	--	0	0
Percent Difference	--	0.0%	0.0%
Below Normal			
Basis of Comparison	--	2,579	2,414
Alternative	--	2,579	2,414
Difference	--	0	0
Percent Difference	--	0.0%	0.0%
Dry			
Basis of Comparison	--	1,881	1,737
Alternative	--	1,881	1,737
Difference	--	0	0
Percent Difference	--	0.0%	0.0%
Critical			
Basis of Comparison	--	1,105	861
Alternative	--	1,105	861
Difference	--	0	0
Percent Difference	--	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



SWP SOD M&I Allocation

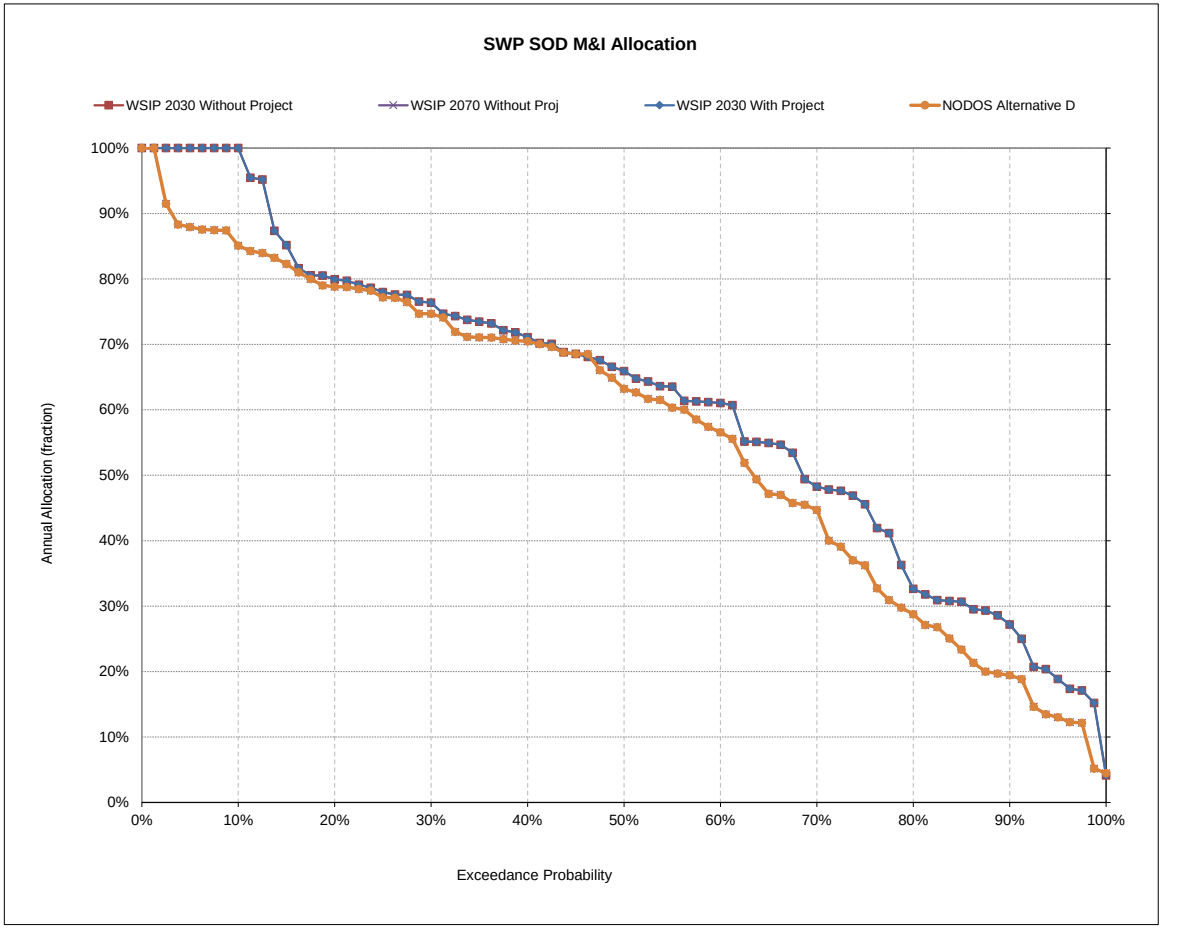
Long-term Average and Average by Water Year Type

Alternative: vs. Basis of Comparison:	Annual Allocation (fraction) DCR 2015 without Project vs. DCR 2015 with Project	WSIP 2030 without Project vs. WSIP 2030 with Project	WSIP 2070 without Project vs. WSIP 2070 with Project
Long-term			
Full Simulation Period[1]			
Basis of Comparison	--	0.62	0.57
Alternative	--	0.62	0.57
Difference	--	0.00	0.00
Percent Difference[3]	--	0.0%	0.0%
Water Year Types[2]			
Wet			
Basis of Comparison	--	0.86	0.81
Alternative	--	0.86	0.81
Difference	--	0.00	0.00
Percent Difference	--	0.0%	0.0%
Above Normal			
Basis of Comparison	--	0.68	0.65
Alternative	--	0.68	0.65
Difference	--	0.00	0.00
Percent Difference	--	0.0%	0.0%
Below Normal			
Basis of Comparison	--	0.60	0.57
Alternative	--	0.60	0.57
Difference	--	0.00	0.00
Percent Difference	--	0.0%	0.0%
Dry			
Basis of Comparison	--	0.44	0.40
Alternative	--	0.44	0.40
Difference	--	0.00	0.00
Percent Difference	--	0.0%	0.0%
Critical			
Basis of Comparison	--	0.25	0.20
Alternative	--	0.25	0.20
Difference	--	0.00	0.00
Percent Difference	--	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



Sites Reservoir Project Operations

Summary Tables and Bar Charts

Table OP-01-a
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	100	6	0	0	2	10	97	296	614	646	520	101
WSIP 2030 With Project	171	174	772	1,235	1,346	1,054	340	275	540	505	453	62
Difference	72	167	772	1,235	1,344	1,044	243	-21	-75	-141	-67	-39
Percent Difference[3]	71.7%							-7.2%	-12.1%	-21.8%	-12.8%	-38.5%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	130	7	0	0	0	6	86	441	900	997	793	154
WSIP 2030 With Project	139	168	946	1,359	1,178	809	452	357	886	885	763	88
Difference	9	162	946	1,359	1,178	802	366	-84	-13	-112	-30	-66
Percent Difference	7.3%							-19.0%	-1.5%	-11.3%	-3.7%	-42.9%
Above Normal (14.6%)												
WSIP 2030 Without Project	107	4	0	0	0	5	148	415	843	889	687	144
WSIP 2030 With Project	276	484	1,408	1,537	1,736	1,127	372	401	643	460	508	55
Difference	169	480	1,408	1,537	1,736	1,123	224	-14	-200	-429	-180	-89
Percent Difference								-3.3%	-23.7%	-48.2%	-26.2%	-61.9%
Below Normal (20.7%)												
WSIP 2030 Without Project	99	5	0	0	0	11	115	266	549	570	449	67
WSIP 2030 With Project	80	10	125	1,349	1,125	1,281	533	297	405	362	327	55
Difference	-19	4	125	1,349	1,125	1,269	418	31	-145	-208	-122	-12
Percent Difference	-19.1%							11.6%	-26.4%	-36.5%	-27.2%	-17.9%
Dry (19.5%)												
WSIP 2030 Without Project	74	4	0	0	5	6	77	142	356	304	241	47
WSIP 2030 With Project	326	185	663	1,147	1,797	1,319	127	122	296	292	217	45
Difference	251	181	663	1,147	1,793	1,313	50	-20	-60	-12	-25	-2
Percent Difference							65.1%	-14.4%	-16.9%	-3.8%	-10.2%	-4.0%
Critical (14.6%)												
WSIP 2030 Without Project	65	12	0	0	6	27	72	124	229	238	256	67
WSIP 2030 With Project	57	92	838	627	1,016	817	85	150	232	247	247	48
Difference	-8	80	838	627	1,010	790	14	26	4	9	-9	-19
Percent Difference	-12.7%						18.9%	20.8%	1.5%	3.8%	-3.5%	-28.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

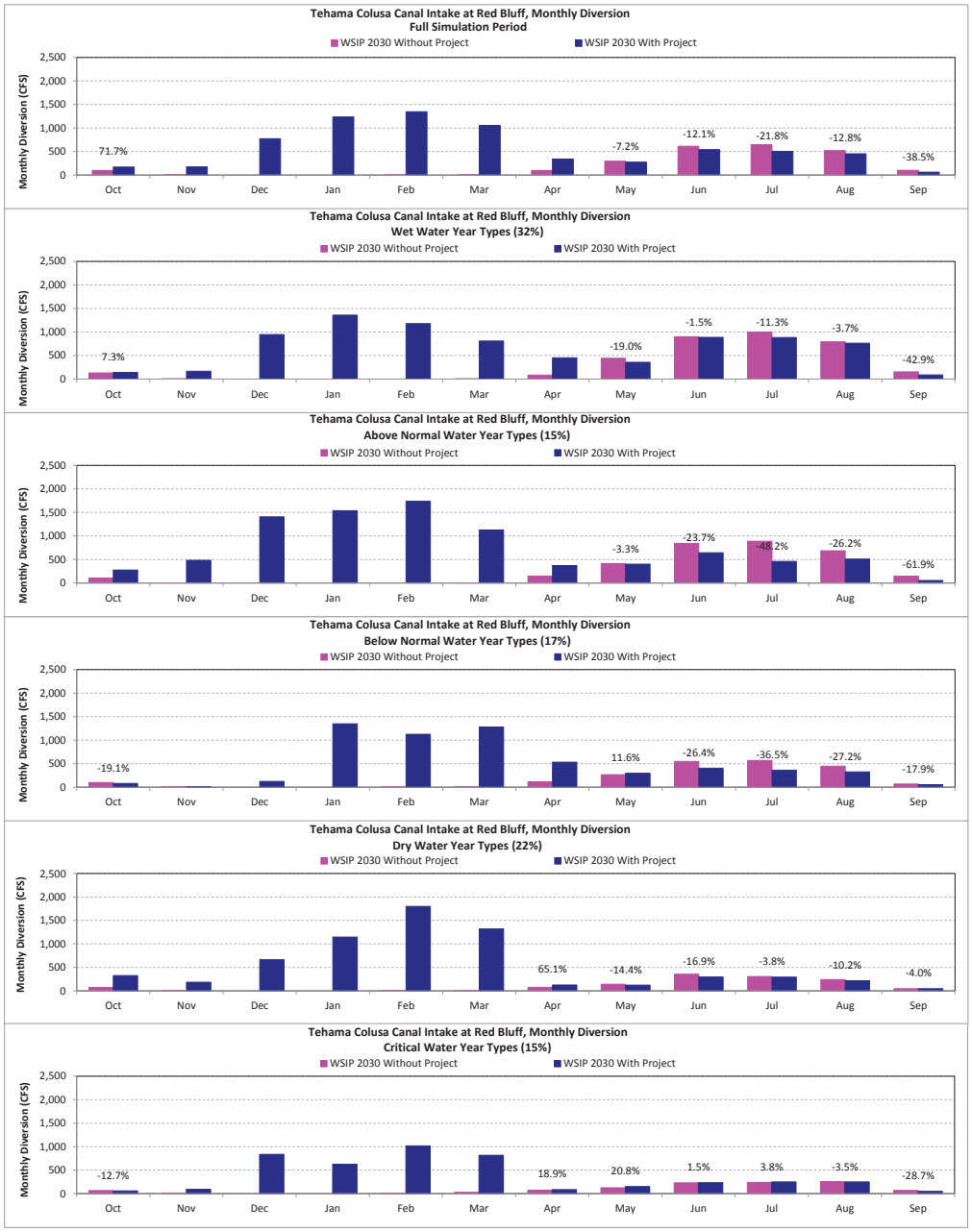


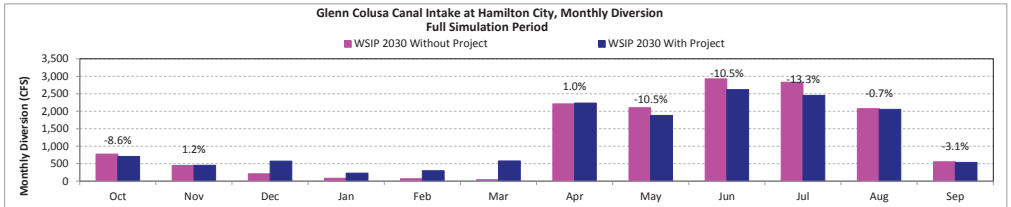
Table OP-02-a
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Long-term Average and Average by Water Year Type

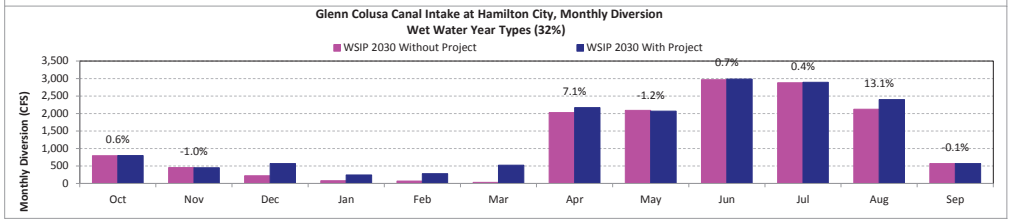
Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	775	450	212	85	68	40	2,213	2,099	2,927	2,830	2,071	553
WSIP 2030 With Project	708	456	576	232	301	578	2,236	1,879	2,620	2,454	2,057	536
Difference	-67	5	364	147	233	538	23	-221	-308	-375	-15	-17
Percent Difference[3]	-8.6%	1.2%					1.0%	-10.5%	-10.5%	-13.3%	-0.7%	-3.1%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	793	453	219	78	67	31	2,025	2,090	2,964	2,879	2,122	570
WSIP 2030 With Project	798	448	570	245	278	522	2,168	2,066	2,986	2,892	2,399	570
Difference	5	-4	351	167	210	492	144	-24	21	13	277	-1
Percent Difference	0.6%	-1.0%					7.1%	-1.2%	0.7%	0.4%	13.1%	-0.1%
Above Normal (14.6%)												
WSIP 2030 Without Project	784	466	219	84	66	27	2,181	2,105	2,983	2,898	2,134	588
WSIP 2030 With Project	722	568	807	298	333	585	2,366	1,952	2,475	2,205	1,904	580
Difference	-62	101	588	214	267	558	185	-153	-508	-693	-230	-8
Percent Difference	-8.0%	21.7%					8.5%	-7.3%	-17.0%	-23.9%	-10.8%	-1.3%
Below Normal (20.7%)												
WSIP 2030 Without Project	790	460	214	89	68	43	2,258	2,162	2,970	2,870	2,151	541
WSIP 2030 With Project	612	416	299	241	293	684	2,617	2,006	2,524	2,161	2,129	508
Difference	-177	-44	84	152	225	640	359	-156	-445	-709	-22	-33
Percent Difference	-22.5%	-9.5%	39.3%				15.9%	-7.2%	-15.0%	-24.7%	-1.0%	-6.1%
Dry (19.5%)												
WSIP 2030 Without Project	784	440	218	86	69	44	2,366	2,203	2,997	2,881	2,155	569
WSIP 2030 With Project	779	466	666	206	382	726	2,168	1,879	2,557	2,455	1,962	547
Difference	-5	27	449	120	312	681	-198	-325	-440	-426	-193	-22
Percent Difference	-0.6%	6.0%					-8.4%	-14.7%	-14.7%	-14.8%	-8.9%	-3.9%
Critical (14.6%)												
WSIP 2030 Without Project	695	429	176	92	69	64	2,367	1,886	2,643	2,532	1,678	479
WSIP 2030 With Project	550	401	628	161	219	341	1,794	1,238	2,220	2,206	1,519	447
Difference	-145	-28	452	69	150	277	-573	-649	-423	-326	-160	-31
Percent Difference	-20.9%	-6.6%					-24.2%	-34.4%	-16.0%	-12.9%	-9.5%	-6.6%

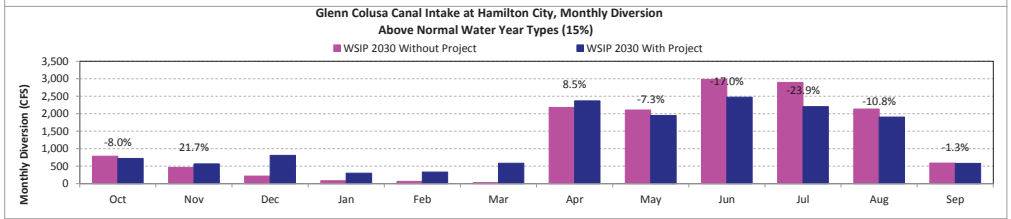
1 Based on the 82-year simulation period

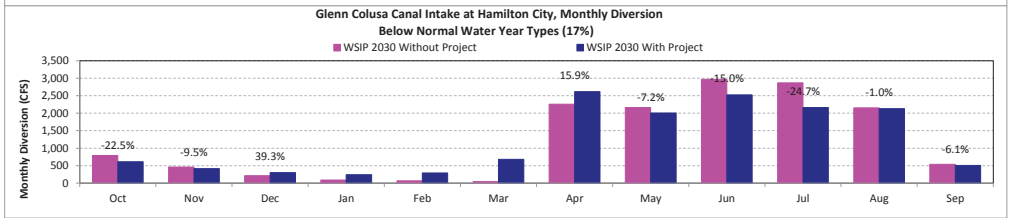
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

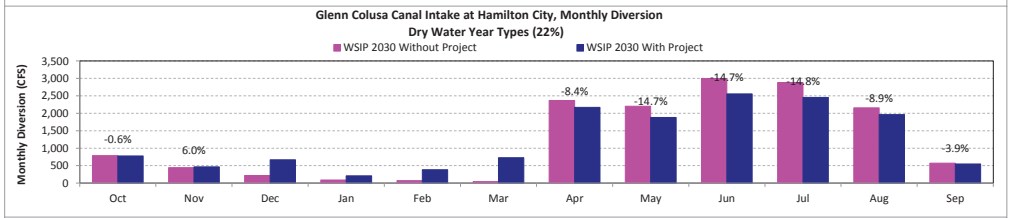
3 Relative difference of the monthly average











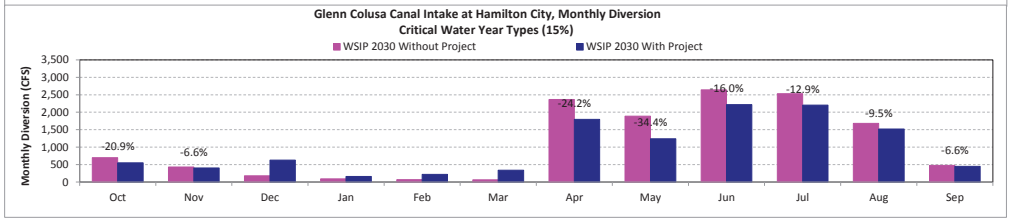


Table OP-03-a
Delevan Intake and Pipeline, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	24	69	339	758	794	386	0	0	57	28	16	12
Difference	24	69	339	758	794	386	0	0	57	28	16	12
Percent Difference[3]												
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	15	40	318	923	827	362	0	0	40	41	23	16
Difference	15	40	318	923	827	362	0	0	40	41	23	16
Percent Difference												
Above Normal (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	0	263	644	1,050	889	487	0	0	130	0	0	0
Difference	0	263	644	1,050	889	487	0	0	130	0	0	0
Percent Difference												
Below Normal (20.7%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	0	0	118	710	668	374	0	0	33	10	45	0
Difference	0	0	118	710	668	374	0	0	33	10	45	0
Percent Difference												
Dry (19.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	98	70	387	656	1,042	404	0	0	69	33	0	12
Difference	98	70	387	656	1,042	404	0	0	69	33	0	12
Percent Difference												
Critical (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	0	33	325	327	479	326	0	0	34	48	0	33
Difference	0	33	325	327	479	326	0	0	34	48	0	33
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

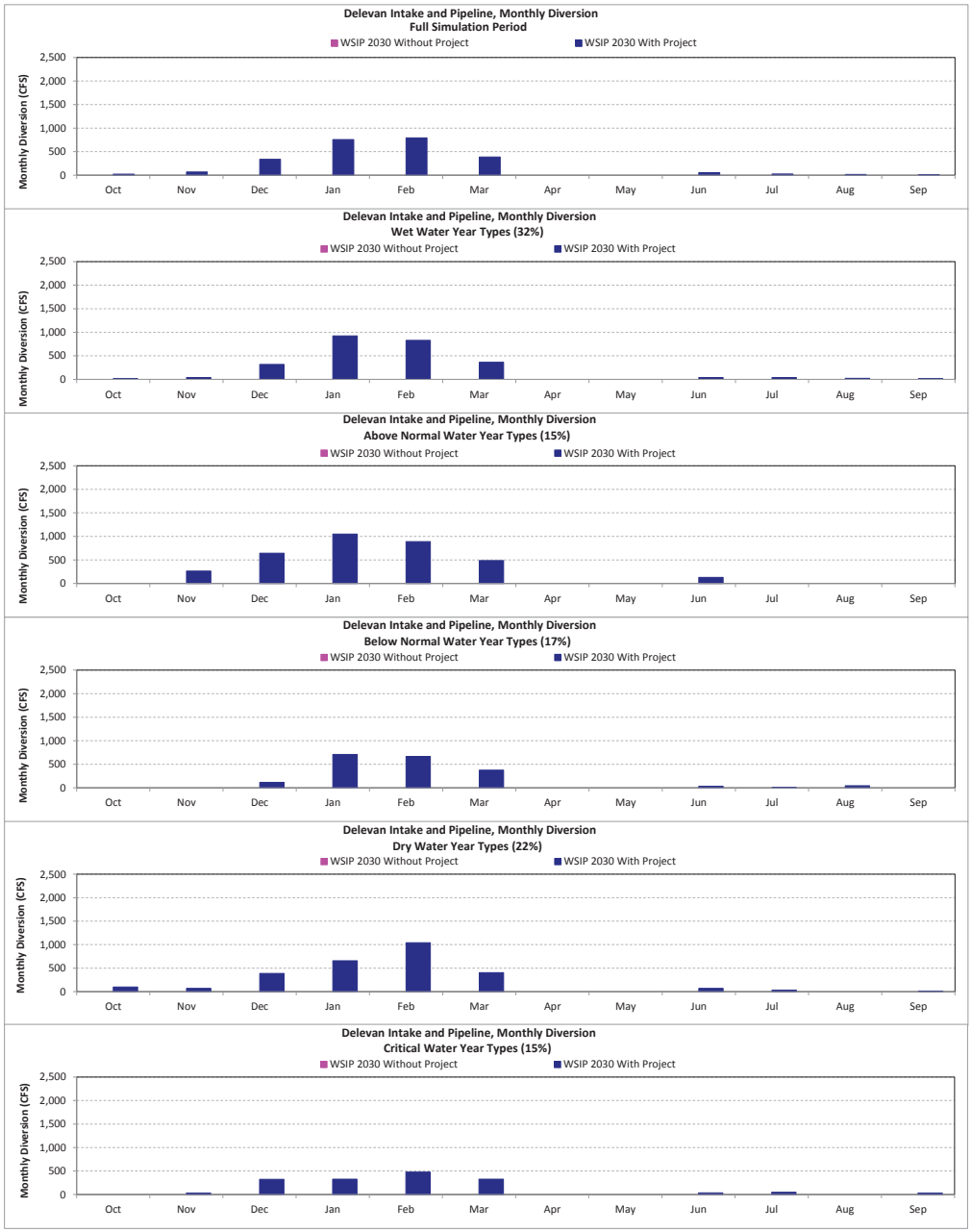


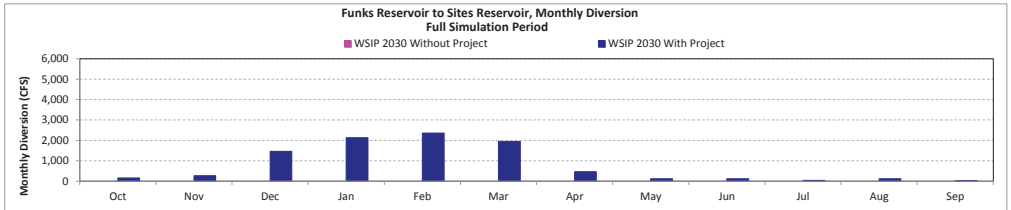
Table OP-04-a
Funks Reservoir to Sites Reservoir, Monthly Diversion
Long-term Average and Average by Water Year Type

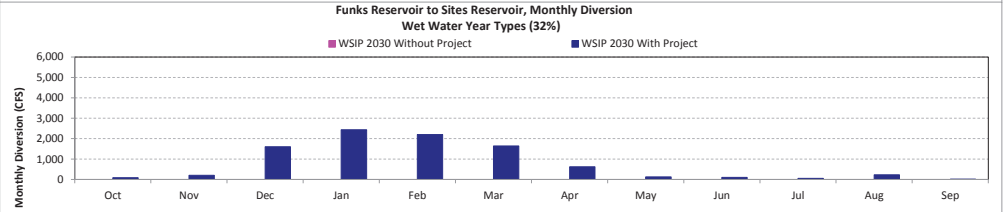
Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	155	265	1,466	2,134	2,362	1,952	467	120	119	40	117	19
Difference	155	265	1,466	2,134	2,362	1,952	467	120	119	40	117	19
Percent Difference[3]												
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	87	206	1,601	2,438	2,203	1,642	624	125	103	56	226	16
Difference	87	206	1,601	2,438	2,203	1,642	624	125	103	56	226	16
Percent Difference												
Above Normal (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	185	837	2,638	2,789	2,877	2,151	458	240	282	0	96	0
Difference	185	837	2,638	2,789	2,877	2,151	458	240	282	0	96	0
Percent Difference												
Below Normal (20.7%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	0	0	324	2,204	2,011	2,267	865	221	91	11	162	0
Difference	0	0	324	2,204	2,011	2,267	865	221	91	11	162	0
Percent Difference												
Dry (19.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	521	325	1,484	1,924	3,132	2,378	152	0	99	61	1	50
Difference	521	325	1,484	1,924	3,132	2,378	152	0	99	61	1	50
Percent Difference												
Critical (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	0	113	1,607	1,024	1,647	1,385	3	6	59	60	0	33
Difference	0	113	1,607	1,024	1,647	1,385	3	6	59	60	0	33
Percent Difference												

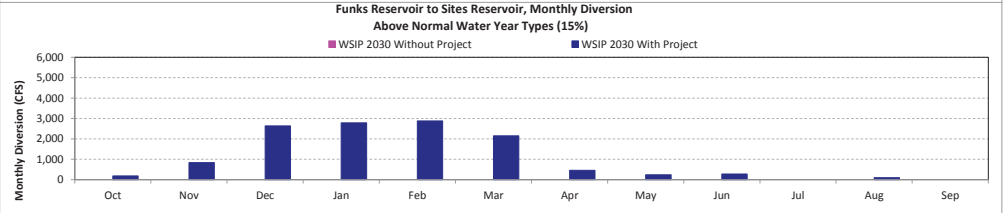
1 Based on the 82-year simulation period

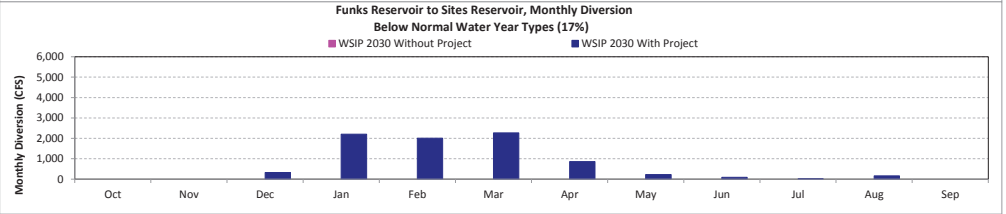
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

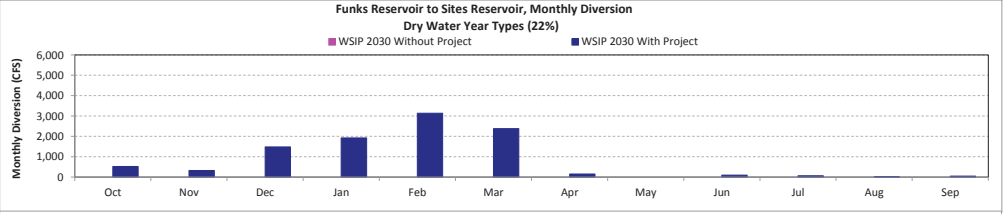
3 Relative difference of the monthly average











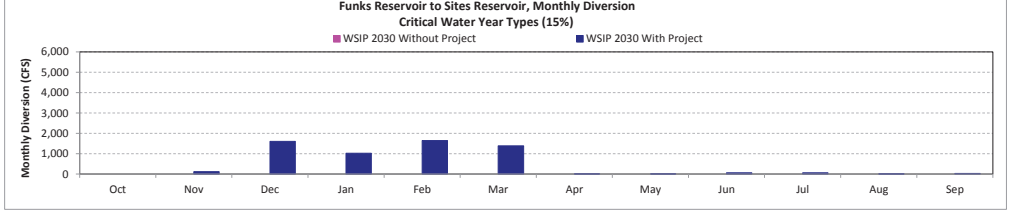


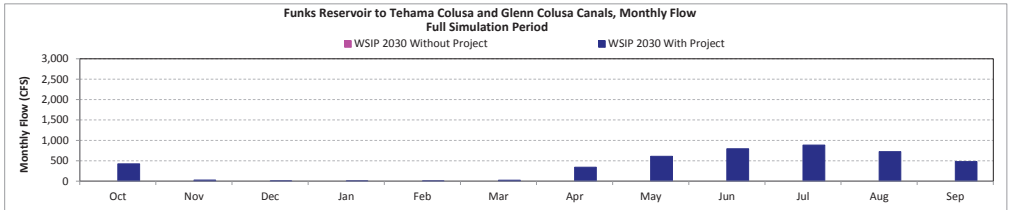
Table OP-05-a
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Long-term Average and Average by Water Year Type

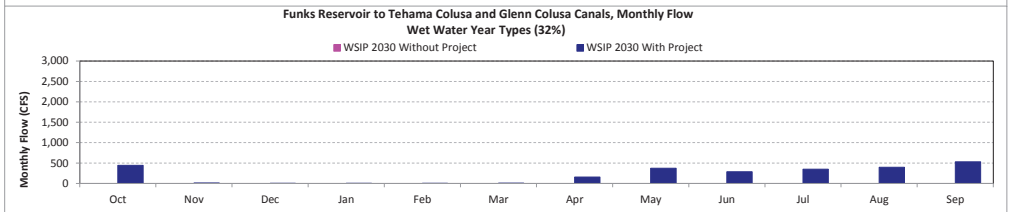
Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	423	27	5	1	2	23	344	612	794	886	722	482
Difference	423	27	5	1	2	23	344	612	794	886	722	482
Percent Difference[3]												
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	446	11	1	3	0	6	155	372	285	349	395	530
Difference	446	11	1	3	0	6	155	372	285	349	395	530
Percent Difference												
Above Normal (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	493	0	24	1	0	4	149	580	1,058	1,330	1,047	679
Difference	493	0	24	1	0	4	149	580	1,058	1,330	1,047	679
Percent Difference												
Below Normal (20.7%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	528	44	1	0	6	24	227	618	1,019	1,282	861	525
Difference	528	44	1	0	6	24	227	618	1,019	1,282	861	525
Percent Difference												
Dry (19.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	405	52	1	0	0	24	478	701	1,035	1,029	900	428
Difference	405	52	1	0	0	24	478	701	1,035	1,029	900	428
Percent Difference												
Critical (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	185	30	2	0	6	74	921	1,014	949	811	646	196
Difference	185	30	2	0	6	74	921	1,014	949	811	646	196
Percent Difference												

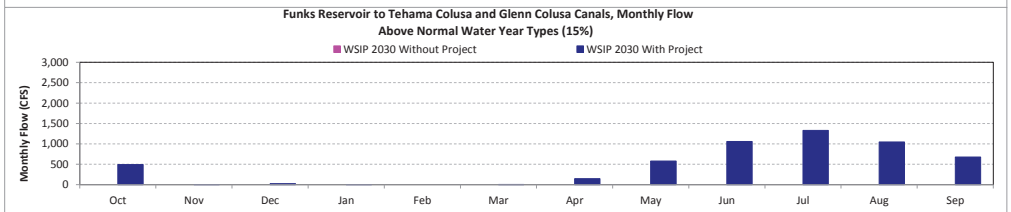
1 Based on the 82-year simulation period

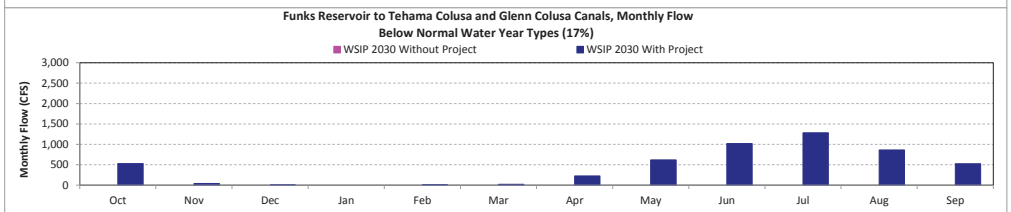
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

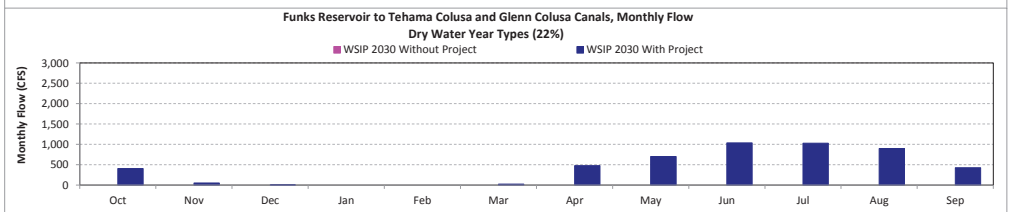
3 Relative difference of the monthly average











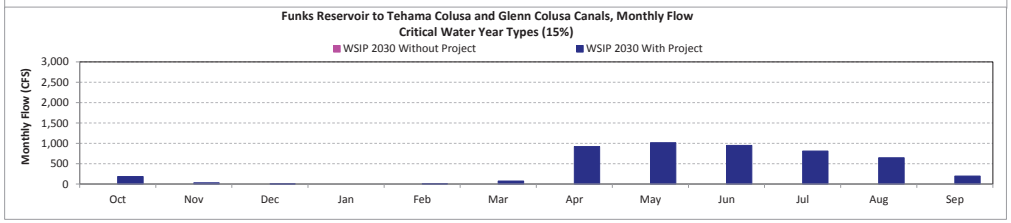


Table OP-06-a
Funks Reservoir to Deleven Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	530	250	35	11	77	43	40	71	835	866	555	695
Difference	530	250	35	11	77	43	40	71	835	866	555	695
Percent Difference[3]												
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	194	70	29	24	18	33	0	0	385	389	54	392
Difference	194	70	29	24	18	33	0	0	385	389	54	392
Percent Difference												
Above Normal (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	338	125	12	23	0	39	0	0	1,133	1,126	455	932
Difference	338	125	12	23	0	39	0	0	1,133	1,126	455	932
Percent Difference												
Below Normal (20.7%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	671	192	9	0	175	16	0	0	1,221	1,272	730	851
Difference	671	192	9	0	175	16	0	0	1,221	1,272	730	851
Percent Difference												
Dry (19.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	858	528	57	0	0	18	0	0	844	1,219	1,024	900
Difference	858	528	57	0	0	18	0	0	844	1,219	1,024	900
Percent Difference												
Critical (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	786	461	78	0	241	140	271	483	914	555	824	592
Difference	786	461	78	0	241	140	271	483	914	555	824	592
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

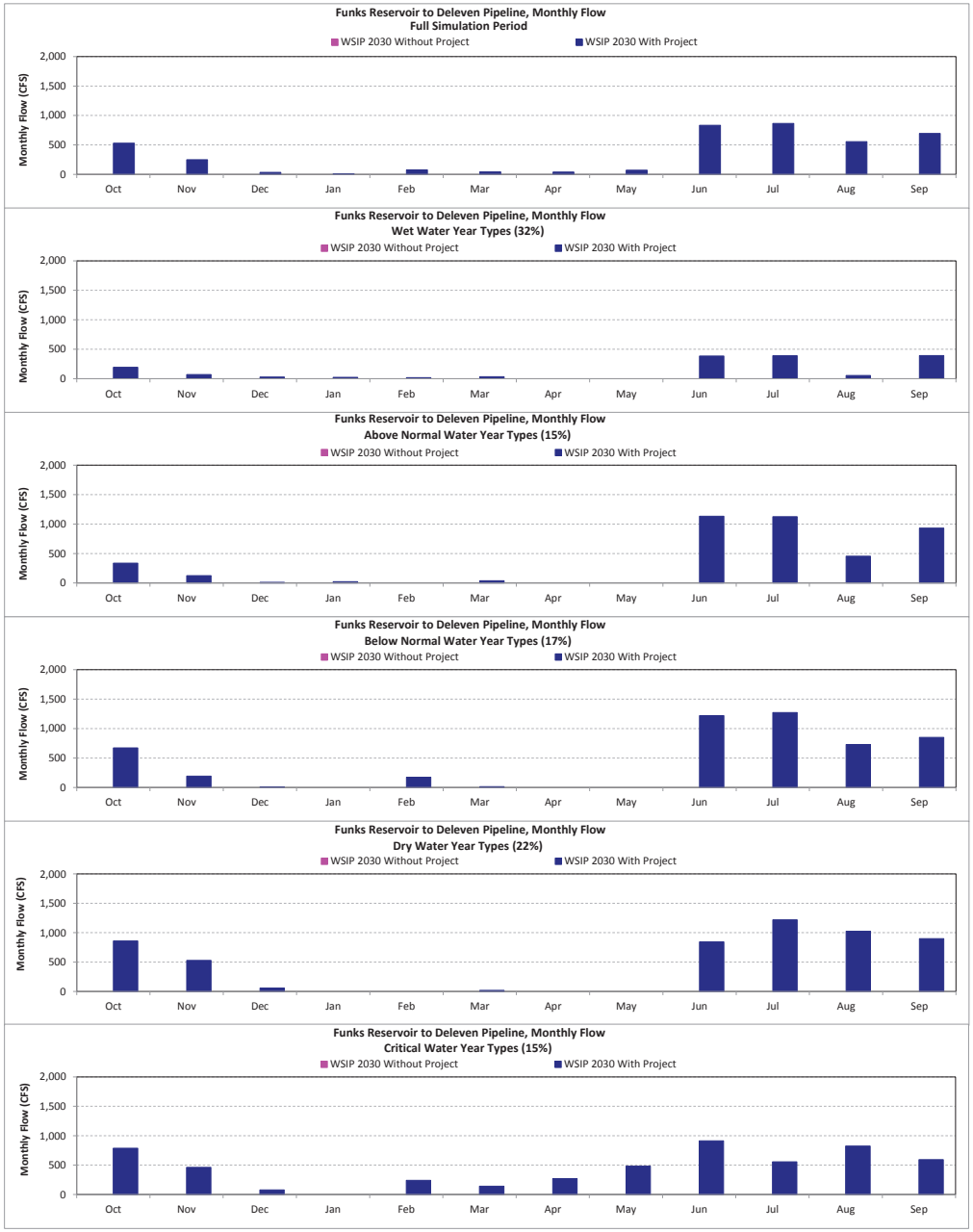


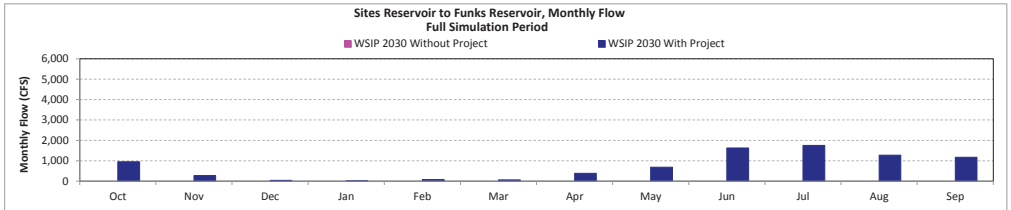
Table OP-07-a
Sites Reservoir to Funks Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

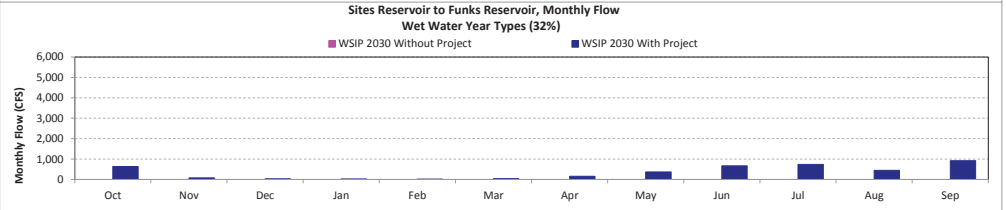
Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	954	277	40	12	79	66	384	682	1,628	1,753	1,277	1,176
Difference	954	277	40	12	79	66	384	682	1,628	1,753	1,277	1,176
Percent Difference[3]												
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	640	81	30	27	18	39	155	372	670	738	449	921
Difference	640	81	30	27	18	39	155	372	670	738	449	921
Percent Difference												
Above Normal (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	831	125	36	24	0	43	149	580	2,191	2,456	1,502	1,611
Difference	831	125	36	24	0	43	149	580	2,191	2,456	1,502	1,611
Percent Difference												
Below Normal (20.7%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	1,199	236	9	0	180	40	227	618	2,240	2,554	1,592	1,376
Difference	1,199	236	9	0	180	40	227	618	2,240	2,554	1,592	1,376
Percent Difference												
Dry (19.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	1,263	579	59	0	0	41	478	701	1,879	2,248	1,924	1,327
Difference	1,263	579	59	0	0	41	478	701	1,879	2,248	1,924	1,327
Percent Difference												
Critical (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	970	490	80	0	247	213	1,192	1,498	1,863	1,366	1,470	788
Difference	970	490	80	0	247	213	1,192	1,498	1,863	1,366	1,470	788
Percent Difference												

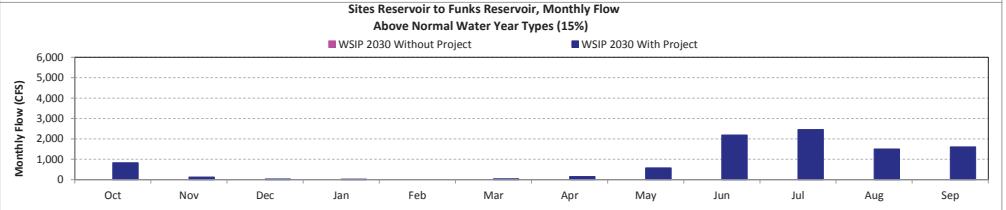
1 Based on the 82-year simulation period

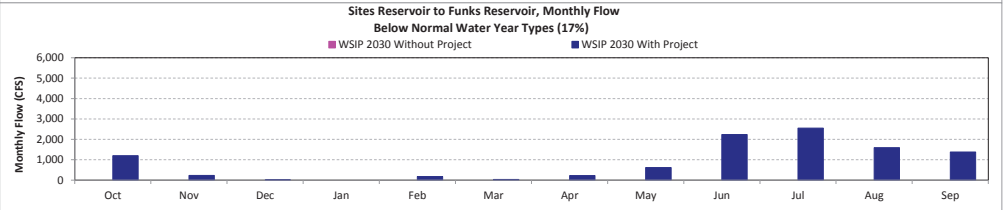
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

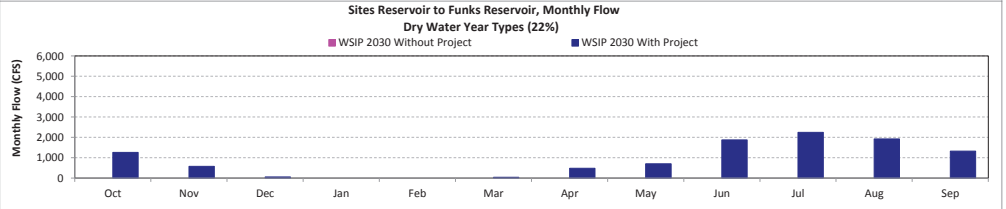
3 Relative difference of the monthly average











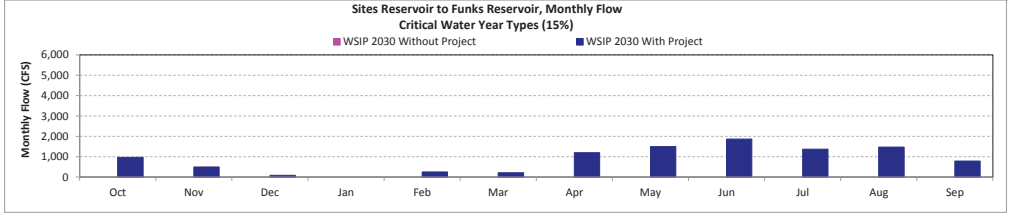


Table OP-08-a
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Long-term Average and Average by Water Year Type

	Monthly Diversion (CFS)											
Analysis Period	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]												
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Above Normal (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Below Normal (20.7%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Dry (19.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Critical (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

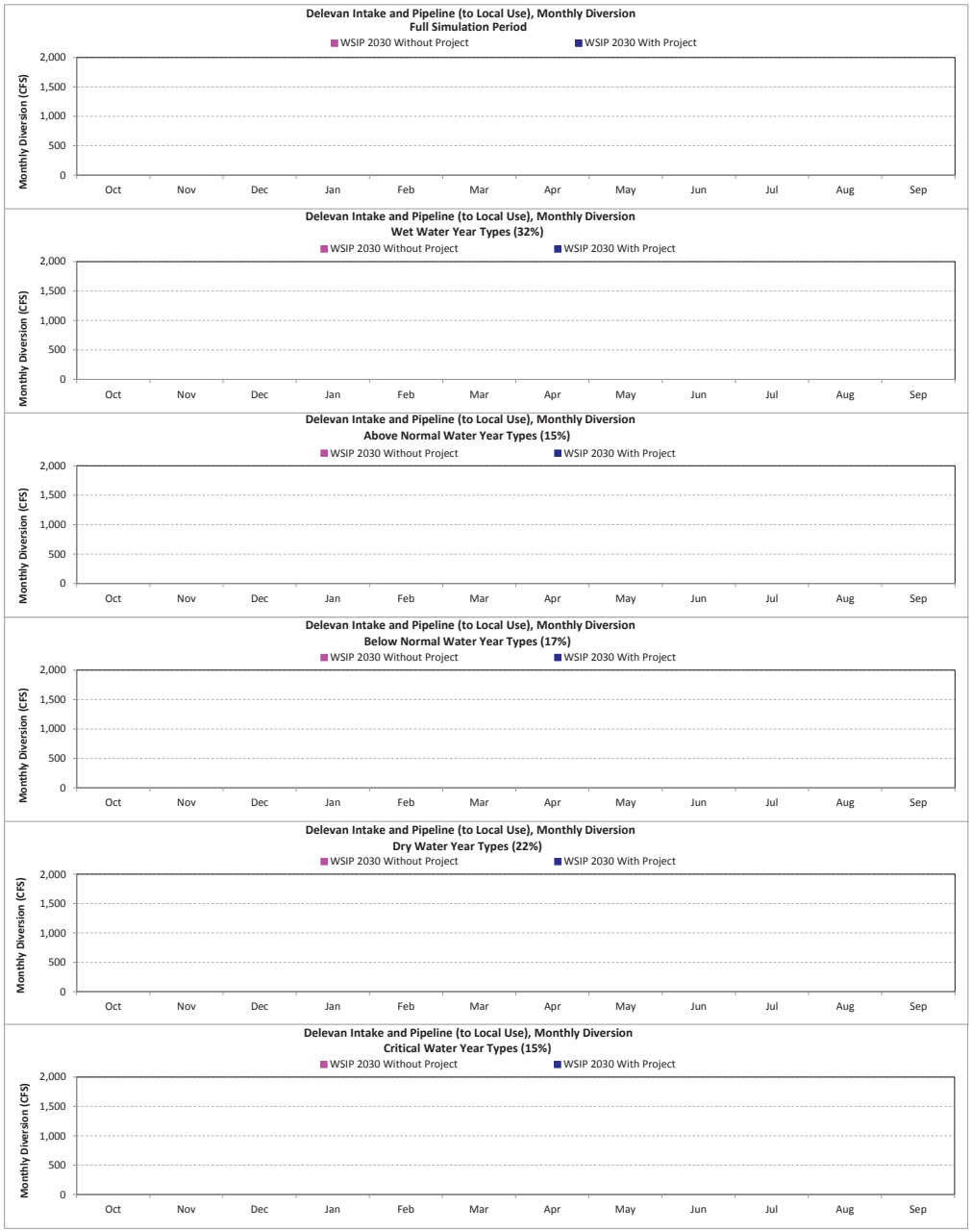


Table OP-09-a
Sites Reservoir, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	1,038	1,038	1,128	1,261	1,391	1,506	1,500	1,459	1,361	1,246	1,167	1,093
Difference	1,038	1,038	1,128	1,261	1,391	1,506	1,500	1,459	1,361	1,246	1,167	1,093
Percent Difference[3]												
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	1,515	1,523	1,623	1,517	1,641	1,740	1,751	1,730	1,688	1,636	1,613	1,552
Difference	1,515	1,523	1,623	1,517	1,641	1,740	1,751	1,730	1,688	1,636	1,613	1,552
Percent Difference												
Above Normal (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	1,136	1,178	1,341	1,398	1,563	1,692	1,707	1,680	1,558	1,397	1,302	1,200
Difference	1,136	1,178	1,341	1,398	1,563	1,692	1,707	1,680	1,558	1,397	1,302	1,200
Percent Difference												
Below Normal (20.7%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	943	929	951	1,266	1,369	1,506	1,535	1,504	1,368	1,202	1,106	1,019
Difference	943	929	951	1,266	1,369	1,506	1,535	1,504	1,368	1,202	1,106	1,019
Percent Difference												
Dry (19.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	797	783	873	1,068	1,245	1,388	1,358	1,309	1,195	1,052	926	845
Difference	797	783	873	1,068	1,245	1,388	1,358	1,309	1,195	1,052	926	845
Percent Difference												
Critical (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	402	379	475	842	921	992	906	810	696	608	512	464
Difference	402	379	475	842	921	992	906	810	696	608	512	464
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

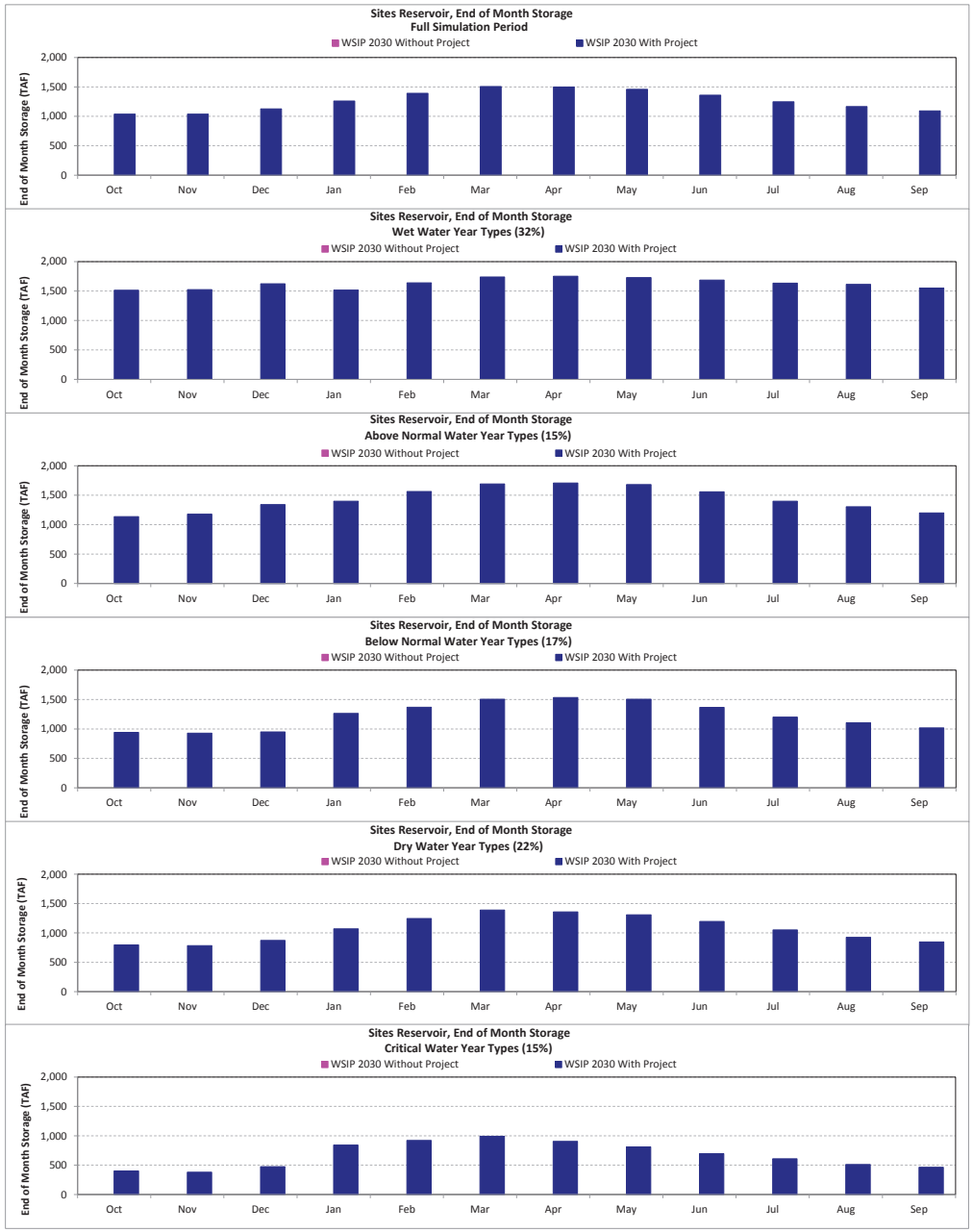


Table OP-10-a
Sites Reservoir, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	455	454	463	475	486	496	495	492	484	474	466	460
Difference	455	454	463	475	486	496	495	492	484	474	466	460
Percent Difference[3]												
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	498	499	506	497	507	515	516	514	511	507	506	501
Difference	498	499	506	497	507	515	516	514	511	507	506	501
Percent Difference												
Above Normal (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	468	471	484	487	501	511	512	511	502	489	481	473
Difference	468	471	484	487	501	511	512	511	502	489	481	473
Percent Difference												
Below Normal (20.7%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	449	448	450	475	483	495	499	496	486	472	464	456
Difference	449	448	450	475	483	495	499	496	486	472	464	456
Percent Difference												
Dry (19.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	434	432	442	459	475	487	484	480	470	458	445	438
Difference	434	432	442	459	475	487	484	480	470	458	445	438
Percent Difference												
Critical (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	386	384	399	438	446	454	446	436	423	413	400	394
Difference	386	384	399	438	446	454	446	436	423	413	400	394
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

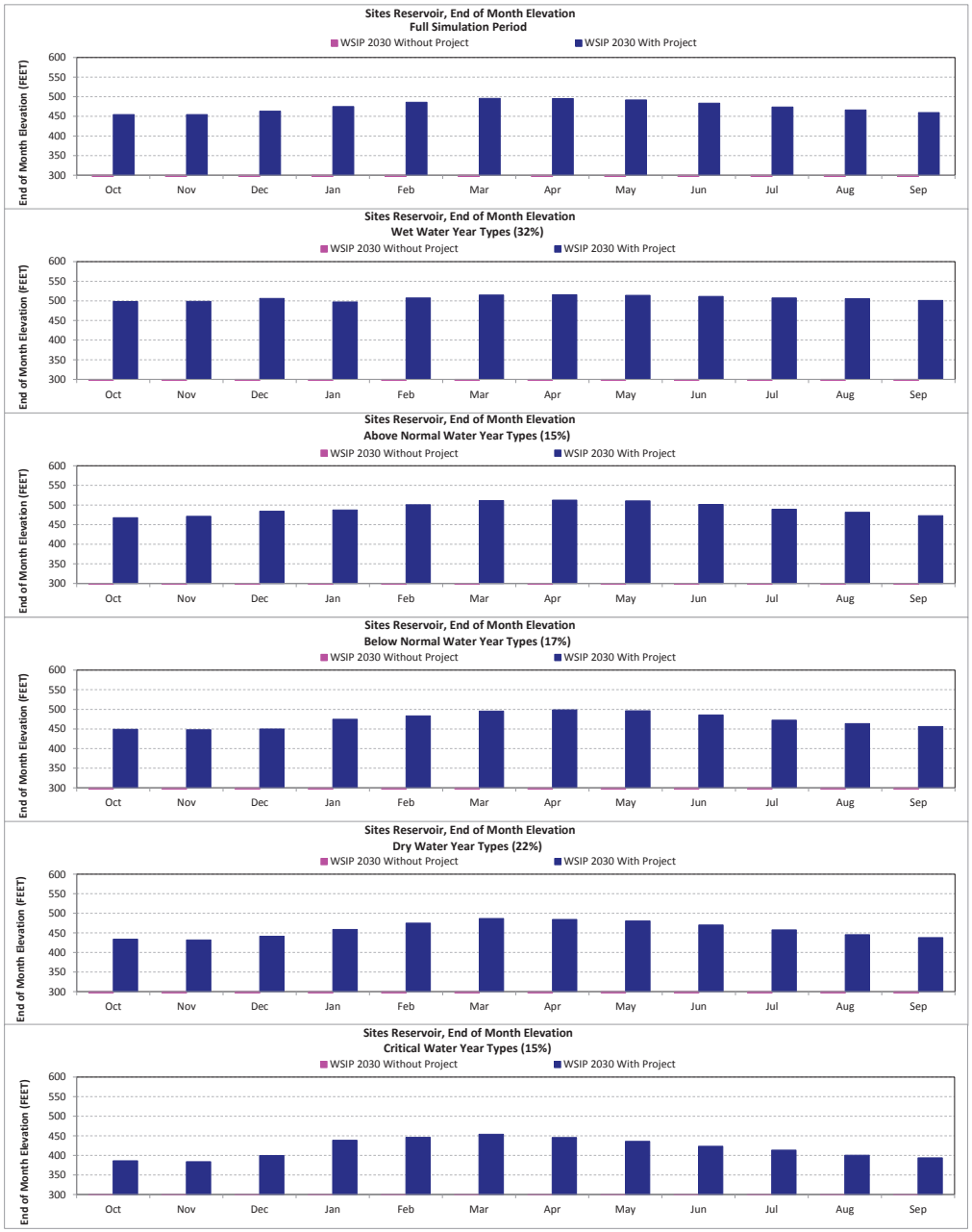


Table OP-11-a
Sites Reservoir, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	10,844	10,824	11,293	11,918	12,474	12,981	12,951	12,774	12,365	11,868	11,451	11,105
Difference	10,844	10,824	11,293	11,918	12,474	12,981	12,951	12,774	12,365	11,868	11,451	11,105
Percent Difference[3]												
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	13,160	13,187	13,512	13,071	13,547	13,903	13,948	13,878	13,740	13,567	13,491	13,288
Difference	13,160	13,187	13,512	13,071	13,547	13,903	13,948	13,878	13,740	13,567	13,491	13,288
Percent Difference												
Above Normal (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	11,676	11,847	12,492	12,563	13,223	13,718	13,780	13,706	13,306	12,731	12,359	11,944
Difference	11,676	11,847	12,492	12,563	13,223	13,718	13,780	13,706	13,306	12,731	12,359	11,944
Percent Difference												
Below Normal (20.7%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	10,686	10,624	10,719	11,867	12,275	12,945	13,120	13,029	12,547	11,875	11,432	11,048
Difference	10,686	10,624	10,719	11,867	12,275	12,945	13,120	13,029	12,547	11,875	11,432	11,048
Percent Difference												
Dry (19.5%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	9,761	9,658	10,202	11,105	11,964	12,564	12,450	12,240	11,731	11,044	10,384	9,956
Difference	9,761	9,658	10,202	11,105	11,964	12,564	12,450	12,240	11,731	11,044	10,384	9,956
Percent Difference												
Critical (14.6%)												
WSIP 2030 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2030 With Project	6,857	6,716	7,735	10,029	10,454	10,932	10,473	9,893	9,149	8,553	7,741	7,332
Difference	6,857	6,716	7,735	10,029	10,454	10,932	10,473	9,893	9,149	8,553	7,741	7,332
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Sites Reservoir Project Operations

Exceedance Probability Charts and Tables

Figure OP-01-b
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Probability of Exceedance

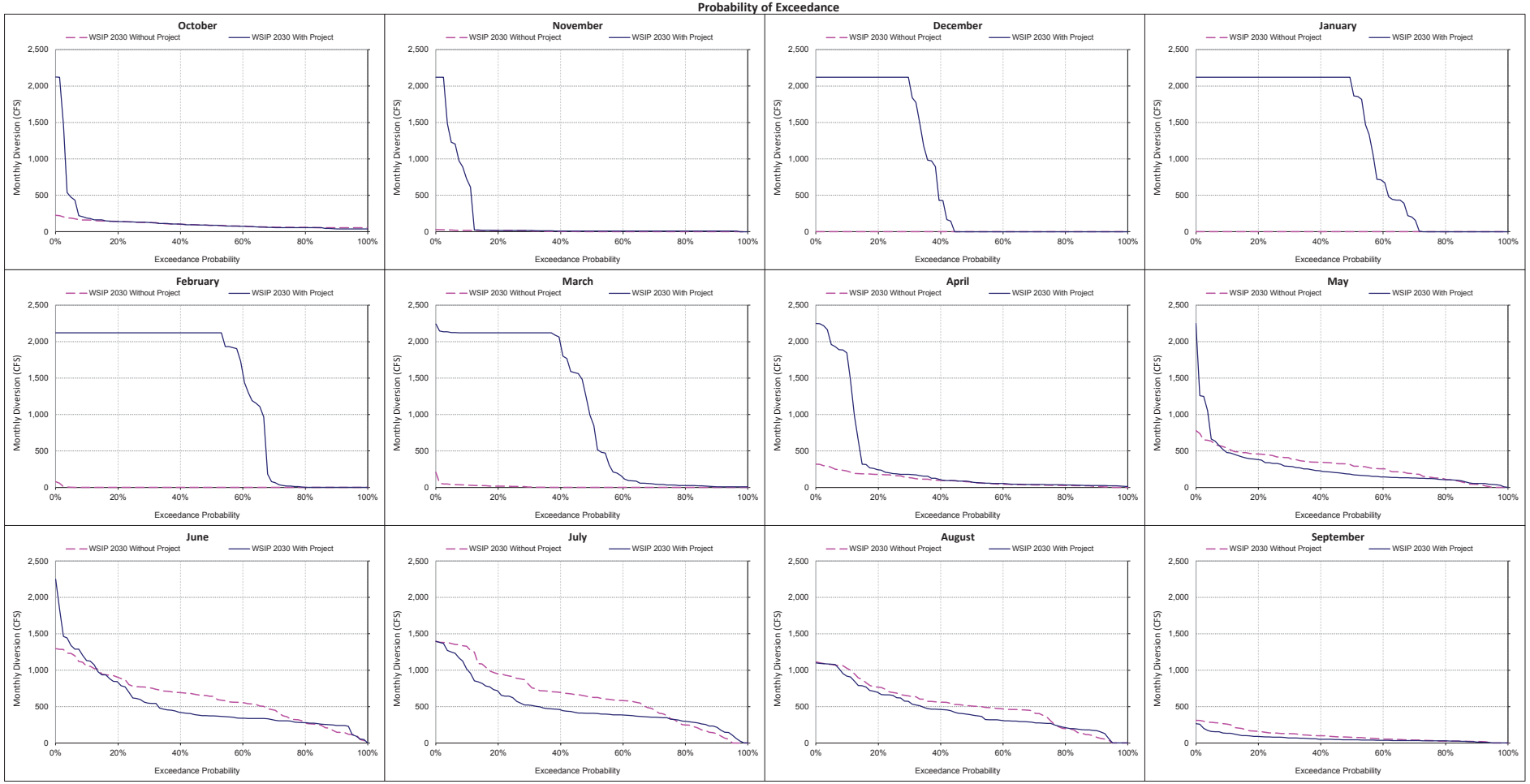


Table OP-01-b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	225	2,124	1,899	844.0%
1.2%	220	2,121	1,901	863.9%
2.5%	204	1,465	1,261	617.4%
3.7%	188	538	349	185.5%
4.9%	187	472	285	152.8%
6.2%	177	433	256	144.5%
7.4%	166	220	54	32.6%
8.6%	161	204	43	26.6%
9.9%	160	187	27	16.7%
11.1%	158	179	20	12.8%
12.3%	153	164	11	7.4%
13.6%	148	162	14	9.5%
14.8%	147	161	14	9.8%
16.0%	145	148	3	2.0%
17.3%	142	146	4	2.5%
18.5%	142	143	0	0.2%
19.8%	142	142	0	-0.1%
21.0%	142	136	-6	-3.9%
22.2%	136	136	0	-0.1%
23.5%	136	134	-1	-0.9%
24.7%	133	134	1	0.4%
25.9%	129	130	2	1.2%
27.2%	128	129	1	0.9%
28.4%	127	129	2	1.5%
29.6%	126	128	1	1.0%
30.9%	124	124	0	-0.3%
32.1%	124	121	-3	-2.3%
33.3%	114	113	-1	-0.7%
34.6%	111	112	1	1.1%
35.8%	108	112	4	4.1%
37.0%	107	107	0	-0.2%
38.3%	104	105	0	0.4%
39.5%	101	104	3	3.0%
40.7%	100	101	0	0.2%
42.0%	99	95	-3	-3.5%
43.2%	98	95	-3	-3.4%
44.4%	95	94	-1	-0.7%
45.7%	95	91	-4	-3.9%
46.9%	91	91	0	-0.2%
48.1%	89	90	1	1.0%
49.4%	87	86	-1	-0.7%
50.6%	87	86	-1	-1.0%
51.9%	86	86	0	0.0%
53.1%	85	84	-1	-1.2%
54.3%	84	78	-5	-6.3%
55.6%	81	78	-3	-3.3%
56.8%	78	77	-1	-1.1%
58.0%	78	77	-1	-1.3%
59.3%	78	75	-3	-3.8%
60.5%	78	72	-5	-6.9%
61.7%	71	71	0	0.1%
63.0%	68	70	2	3.1%
64.2%	67	66	0	-0.5%
65.4%	67	62	-5	-7.6%
66.7%	66	61	-5	-7.5%
67.9%	66	59	-6	-9.7%
69.1%	63	59	-4	-6.5%
70.4%	62	57	-5	-7.8%
71.6%	61	57	-4	-6.9%
72.8%	61	57	-4	-6.8%
74.1%	60	57	-3	-5.7%
75.3%	60	56	-3	-5.2%
76.5%	59	56	-4	-6.0%
77.8%	59	55	-4	-7.3%
79.0%	59	55	-4	-6.9%
80.2%	58	54	-4	-6.5%
81.5%	57	54	-3	-4.8%
82.7%	57	54	-3	-4.4%
84.0%	56	54	-2	-2.8%
85.2%	55	54	-1	-1.5%
86.4%	55	46	-9	-16.4%
87.7%	55	46	-9	-16.4%
88.9%	54	43	-12	-21.2%
90.1%	54	39	-15	-27.8%
91.4%	54	39	-15	-28.5%
92.6%	54	38	-16	-30.4%
93.8%	54	37	-17	-31.0%
95.1%	54	37	-17	-32.1%
96.3%	54	36	-18	-33.3%
97.5%	54	36	-18	-33.3%
98.8%	54	36	-18	-33.3%
100.0%	54	36	-18	-33.3%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	29	2,121	2,093	
1.2%	27	2,121	2,094	
2.5%	26	2,121	2,095	
3.7%	24	1,487	1,463	
4.9%	23	1,228	1,205	
6.2%	19	1,203	1,184	
7.4%	19	971	953	
8.6%	18	891	873	
9.9%	18	724	707	
11.1%	17	612	595	
12.3%	17	23	6	33.0%
13.6%	17	23	6	32.9%
14.8%	17	20	3	16.4%
16.0%	17	19	2	9.2%
17.3%	17	18	1	6.9%
18.5%	17	18	1	5.9%
19.8%	17	18	1	5.0%
21.0%	17	17	0	0.0%
22.2%	17	17	0	0.0%
23.5%	17	17	0	0.0%
24.7%	17	17	0	0.0%
25.9%	17	17	0	0.0%
27.2%	17	17	0	0.0%
28.4%	17	17	0	-2.2%
29.6%	17	16	-1	-8.1%
30.9%	8	15	7	79.8%
32.1%	8	14	6	69.3%
33.3%	7	12	6	84.2%
34.6%	5	11	6	110.6%
35.8%	4	11	8	214.1%
37.0%	3	11	8	297.4%
38.3%	3	11	8	292.5%
39.5%	2	10	8	430.0%
40.7%	2	10	8	431.6%
42.0%	2	10	8	422.9%
43.2%	1	10	9	656.2%
44.4%	1	10	8	710.6%
45.7%	1	9	8	834.4%
46.9%	1	9	8	
48.1%	0	9	9	
49.4%	0	8	8	
50.6%	0	8	8	
51.9%	0	8	8	
53.1%	0	8	8	
54.3%	0	8	8	
55.6%	0	8	8	
56.8%	0	8	8	
58.0%	0	8	8	
59.3%	0	8	8	
60.5%	0	8	8	
61.7%	0	8	8	
63.0%	0	8	8	
64.2%	0	8	8	
65.4%	0	8	8	
66.7%	0	8	8	
67.9%	0	8	8	
69.1%	0	8	8	
70.4%	0	8	8	
71.6%	0	8	8	
72.8%	0	8	8	
74.1%	0	8	8	
75.3%	0	8	8	
76.5%	0	8	8	
77.8%	0	8	8	
79.0%	0	8	8	
80.2%	0	8	8	
81.5%	0	8	8	
82.7%	0	8	8	
84.0%	0	8	8	
85.2%	0	8	8	
86.4%	0	8	8	
87.7%	0	8	8	
88.9%	0	8	8	
90.1%	0	8	8	
91.4%	0	8	8	
92.6%	0	8	8	
93.8%	0	8	8	
95.1%	0	8	8	
96.3%	0	8	8	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,121	2,121	
1.2%	0	2,121	2,121	
2.5%	0	2,121	2,121	
3.7%	0	2,121	2,121	
4.9%	0	2,121	2,121	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	1,838	1,838	
32.1%	0	1,773	1,773	
33.3%	0	1,487	1,487	
34.6%	0	1,175	1,175	
35.8%	0	984	984	
37.0%	0	971	971	
38.3%	0	893	893	
39.5%	0	430	430	
40.7%	0	427	427	
42.0%	0	165	165	
43.2%	0	144	144	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,121	2,121	
1.2%	0	2,121	2,121	
2.5%	0	2,121	2,121	
3.7%	0	2,121	2,121	
4.9%	0	2,121	2,121	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,121	
43.2%	0	2,121	2,121	
44.4%	0	2,121	2,121	
45.7%	0	2,121	2,121	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	1,863	1,863	
51.9%	0	1,857	1,857	
53.1%	0	1,818	1,818	
54.3%	0	1,469	1,469	
55.6%	0	1,332	1,332	
56.8%	0	1,057	1,057	
58.0%	0	720	720	
59.3%	0	712	712	
60.5%	0	671	671	
61.7%	0	480	480	
63.0%	0	444	444	
64.2%	0	435	435	
65.4%	0	434	434	
66.7%	0	390	390	
67.9%	0	221	221	
69.1%	0	200	200	
70.4%	0	156	156	
71.6%	0	6	6	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-01-b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78	2,121	2,043	
1.2%	57	2,121	2,065	
2.5%	11	2,121	2,110	
3.7%	4	2,121	2,117	
4.9%	2	2,121	2,119	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,121	
43.2%	0	2,121	2,121	
44.4%	0	2,121	2,121	
45.7%	0	2,121	2,121	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	2,121	2,121	
51.9%	0	2,121	2,121	
53.1%	0	2,121	2,121	
54.3%	0	1,935	1,935	
55.6%	0	1,932	1,932	
56.8%	0	1,918	1,918	
58.0%	0	1,905	1,905	
59.3%	0	1,735	1,735	
60.5%	0	1,438	1,438	
61.7%	0	1,298	1,298	
63.0%	0	1,192	1,192	
64.2%	0	1,154	1,154	
65.4%	0	1,108	1,108	
66.7%	0	966	966	
67.9%	0	182	182	
69.1%	0	79	79	
70.4%	0	65	65	
71.6%	0	36	36	
72.8%	0	26	26	
74.1%	0	18	18	
75.3%	0	18	18	
76.5%	0	12	12	
77.8%	0	10	10	
79.0%	0	4	4	
80.2%	0	2	2	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	207	2,242	2,035	983.7%
1.2%	55	2,147	2,092	
2.5%	46	2,137	2,091	
3.7%	46	2,136	2,090	
4.9%	38	2,126	2,088	
6.2%	37	2,126	2,089	
7.4%	35	2,123	2,087	
8.6%	34	2,122	2,089	
9.9%	31	2,122	2,091	
11.1%	29	2,121	2,093	
12.3%	27	2,121	2,095	
13.6%	25	2,121	2,096	
14.8%	25	2,121	2,097	
16.0%	24	2,121	2,097	
17.3%	18	2,121	2,103	
18.5%	17	2,121	2,104	
19.8%	17	2,121	2,104	
21.0%	16	2,121	2,105	
22.2%	16	2,121	2,105	
23.5%	15	2,121	2,107	
24.7%	13	2,121	2,108	
25.9%	12	2,121	2,109	
27.2%	11	2,121	2,110	
28.4%	11	2,121	2,111	
29.6%	5	2,121	2,116	
30.9%	5	2,121	2,116	
32.1%	2	2,121	2,119	
33.3%	2	2,121	2,120	
34.6%	1	2,121	2,120	
35.8%	1	2,121	2,120	
37.0%	1	2,121	2,120	
38.3%	1	2,089	2,088	
39.5%	1	2,064	2,063	
40.7%	1	1,802	1,801	
42.0%	1	1,768	1,768	
43.2%	0	1,590	1,590	
44.4%	0	1,575	1,575	
45.7%	0	1,561	1,561	
46.9%	0	1,485	1,485	
48.1%	0	1,245	1,245	
49.4%	0	993	993	
50.6%	0	850	850	
51.9%	0	516	516	
53.1%	0	483	483	
54.3%	0	470	470	
55.6%	0	305	305	
56.8%	0	212	212	
58.0%	0	198	198	
59.3%	0	163	163	
60.5%	0	113	113	
61.7%	0	95	95	
63.0%	0	91	91	
64.2%	0	86	86	
65.4%	0	58	58	
66.7%	0	58	58	
67.9%	0	52	52	
69.1%	0	50	50	
70.4%	0	44	44	
71.6%	0	40	40	
72.8%	0	40	40	
74.1%	0	34	34	
75.3%	0	33	33	
76.5%	0	32	32	
77.8%	0	26	26	
79.0%	0	25	25	
80.2%	0	25	25	
81.5%	0	25	25	
82.7%	0	25	25	
84.0%	0	23	23	
85.2%	0	20	20	
86.4%	0	20	20	
87.7%	0	16	16	
88.9%	0	9	9	
90.1%	0	9	9	
91.4%	0	8	8	
92.6%	0	8	8	
93.8%	0	8	8	
95.1%	0	8	8	
96.3%	0	8	8	
97.5%	0	8	8	
98.8%	0	8	8	
100.0%	0	8	8	

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	319	2,250	1,931	605.5%
1.2%	317	2,247	1,930	609.6%
2.5%	298	2,219	1,921	645.5%
3.7%	295	2,163	1,868	632.5%
4.9%	274	1,963	1,689	615.7%
6.2%	250	1,934	1,684	672.8%
7.4%	241	1,889	1,648	682.3%
8.6%	235	1,886	1,651	703.2%
9.9%	225	1,849	1,623	720.7%
11.1%	208	1,472	1,264	607.9%
12.3%	192	988	796	415.6%
13.6%	189	646	457	242.0%
14.8%	186	319	134	71.8%
16.0%	184	314	130	70.5%
17.3%	184	267	83	45.3%
18.5%	179	259	80	45.0%
19.8%	178	241	64	35.8%
21.0%	176	236	60	34.0%
22.2%	173	208	35	20.4%
23.5%	172	199	27	15.8%
24.7%	163	188	24	15.0%
25.9%	158	185	27	16.8%
27.2%	158	179	21	13.4%
28.4%	141	179	38	26.8%
29.6%	134	178	44	33.0%
30.9%	129	176	47	36.9%
32.1%	118	172	54	45.5%
33.3%	114	162	48	41.8%
34.6%	113	153	40	35.1%
35.8%	113	153	40	35.6%
37.0%	103	127	23	22.5%
38.3%	99	123	25	25.1%
39.5%	96	110	13	13.6%
40.7%	94	95	1	1.1%
42.0%	93	93	0	0.0%
43.2%	92	92	-1	-0.8%
44.4%	89	92	2	2.4%
45.7%	86	87	1	1.2%
46.9%	83	87	4	5.1%
48.1%	78	86	9	11.1%
49.4%	75	79	4	5.7%
50.6%	62	67	5	8.4%
51.9%	61	66	5	8.4%
53.1%	59	60	1	2.4%
54.3%	56	57	1	2.2%
55.6%	54	56	2	4.0%
56.8%	49	55	6	12.0%
58.0%	46	55	9	19.7%
59.3%	45	53	9	19.7%
60.5%	42	53	10	24.0%
61.7%	42	45	3	7.0%
63.0%	40	44	5	12.0%
64.2%	36	44	8	20.7%
65.4%	36	44	8	20.7%
66.7%	36	41	5	15.1%
67.9%	36	40	5	12.7%
69.1%	34	40	6	18.3%
70.4%	33	39	6	17.6%
71.6%	33	39	6	18.4%
72.8%	30	39	8	27.5%
74.1%	30	37	7	24.2%
75.3%	28	37	9	30.2%
76.5%	28	36	9	30.8%
77.8%	28	36	9	31.5%
79.0%	26	36	10	36.8%
80.2%	26	33	8	29.1%
81.5%	26	33	7	27.2%
82.7%	24	31	8	32.3%
84.0%	24	28	4	18.6%
85.2%	23	27	4	17.3%
86.4%	22	27	5	22.6%
87.7%	22	27	5	23.2%
88.9%	15	27	11	74.2%
90.1%	11	27	16	139.9%
91.4%	11	27	16	154.3%
92.6%	6	27	21	335.7%
93.8%	6	23	17	297.1%
95.1%	0	23	23	
96.3%	0	22	22	
97.5%	0	17	17	
98.8%	0	15	15	
100.0%	0	9	9	

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	780	2,250	1,470	188.6%
1.2%	741	1,259	518	69.9%
2.5%	653	1,250	597	91.6%
3.7%	647	1,051	404	62.5%
4.9%	635	665	30	4.7%
6.2%	584	635	51	8.7%
7.4%	575	575	0	0.0%
8.6%	560	520	-40	-7.1%
9.9%	541	477	-64	-11.8%
11.1%	514	471	-42	-8.2%
12.3%	491	453	-38	-7.7%
13.6%	487	434	-53	-10.9%
14.8%	478	416	-62	-12.9%
16.0%	475	402	-73	-15.4%
17.3%	464	391	-74	-15.9%
18.5%	461	389	-71	-15.4%
19.8%	459	381	-78	-17.0%
21.0%	455	373	-82	-17.9%
22.2%	451	339	-112	-24.9%
23.5%	445	339	-106	-23.9%
24.7%	435	329	-106	-24.4%
25.9%	418	329	-89	-21.3%
27.2%	416	316	-100	-24.1%
28.4%	409	291	-118	-28.8%
29.6%	408	291	-117	-28.7%
30.9%	381	286	-95	-24.9%
32.1%	381	271	-109	-28.8%
33.3%	367	266	-101	-27.4%
34.6%	360	253	-106	-29.5%
35.8%	354	252	-102	-28.7%
37.0%	347	243	-104	-30.1%
38.3%	346	232	-115	-33.2%
39.5%	344	230	-114	-33.1%
40.7%	343	216	-127	-36.9%
42.0%	340	213	-127	-37.4%
43.2%	337	212	-125	-37.1%
44.4%	330	205	-125	-37.8%
45.7%	324	199	-125	-38.7%
46.9%	324	193	-131	-40.4%
48.1%	322	184	-138	-42.8%
49.4%	315	184	-131	-41.6%
50.6%	290	172	-118	-40.8%
51.9%	290	169	-120	-41.5%
53.1%	289	165	-124	-42.9%
54.3%	282	161	-121	-42.9%
55.6%	269	156	-113	-42.0%
56.8%	260	150	-110	-42.3%
58.0%	258	150	-108	-42.0%
59.3%	255	142	-113	-44.2%
60.5%	255	141	-113	-44.6%
61.7%	231	138	-94	-40.4%
63.0%	215	137	-78	-36.4%
64.2%	214	134	-80	-37.5%
65.4%	212	133	-79	-37.2%
66.7%	206	133	-73	-35.6%
67.9%	193	131	-62	-32.0%
69.1%	190	130	-60	-31.8%
70.4%	182	128	-53	-29.5%
71.6%	179	125	-54	-30.2%
72.8%	151	125	-26	-17.3%
74.1%	144	123	-21	-14.6%
75.3%	138	123	-15	-11.2%
76.5%	129	119	-10	-7.9%
77.8%	128	110	-18	-14.3%
79.0%	125	107	-18	-14.2%
80.2%	106	104	-2	-2.3%
81.5%	104	102	-1	-1.2%
82.7%	95	101	6	6.3%
84.0%	89	95	6	7.3%
85.2%	74	89	14	19.2%
86.4%	62	74	12	19.8%
87.7%	45	61	16	35.2%
88.9%	43	55	11	25.9%
90.1%	41	52	11	27.3%
91.4%	38	52	15	38.4%
92.6%	22	52	31	141.3%
93.8%	11	42	30	
95.1%	0	39	39	
96.3%	0	35	35	
97.5%	0	29	29	
98.8%	0	7	7	
100.0%	0	0	0	

Table OP-01-b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,297	2,250	953	73.5%
1.2%	1,287	1,838	550	42.7%
2.5%	1,285	1,466	181	14.1%
3.7%	1,235	1,444	210	17.0%
4.9%	1,230	1,338	108	8.8%
6.2%	1,198	1,290	93	7.7%
7.4%	1,121	1,289	168	15.0%
8.6%	1,110	1,202	92	8.3%
9.9%	1,057	1,132	75	7.1%
11.1%	1,052	1,127	74	7.0%
12.3%	1,022	1,076	53	5.2%
13.6%	1,017	980	-37	-3.6%
14.8%	945	938	-7	-0.8%
16.0%	938	937	-1	-0.1%
17.3%	931	882	-49	-5.3%
18.5%	925	847	-79	-8.5%
19.8%	905	845	-60	-6.6%
21.0%	884	785	-99	-11.2%
22.2%	872	771	-101	-11.5%
23.5%	802	696	-106	-13.2%
24.7%	780	618	-162	-20.8%
25.9%	773	610	-163	-21.1%
27.2%	771	596	-175	-22.7%
28.4%	769	560	-209	-27.1%
29.6%	761	548	-213	-28.0%
30.9%	753	543	-210	-27.9%
32.1%	739	542	-197	-26.6%
33.3%	728	479	-248	-34.1%
34.6%	714	464	-249	-34.9%
35.8%	711	456	-256	-35.9%
37.0%	704	450	-254	-36.1%
38.3%	695	441	-253	-36.5%
39.5%	693	423	-270	-39.0%
40.7%	690	414	-276	-40.0%
42.0%	684	409	-276	-40.3%
43.2%	681	405	-276	-40.5%
44.4%	670	390	-281	-41.9%
45.7%	661	385	-276	-41.8%
46.9%	653	377	-276	-42.3%
48.1%	653	377	-276	-42.3%
49.4%	642	373	-269	-41.9%
50.6%	641	373	-269	-41.9%
51.9%	596	369	-227	-38.1%
53.1%	588	364	-224	-38.2%
54.3%	581	362	-219	-37.6%
55.6%	565	358	-206	-36.5%
56.8%	560	355	-205	-36.7%
58.0%	559	345	-214	-38.3%
59.3%	558	342	-217	-38.8%
60.5%	551	340	-211	-38.3%
61.7%	539	337	-201	-37.4%
63.0%	536	337	-200	-37.2%
64.2%	530	336	-194	-36.6%
65.4%	508	335	-172	-33.9%
66.7%	504	335	-169	-33.5%
67.9%	471	334	-137	-29.1%
69.1%	461	322	-138	-30.0%
70.4%	449	311	-138	-30.7%
71.6%	407	306	-101	-24.9%
72.8%	374	305	-69	-18.3%
74.1%	361	304	-57	-15.9%
75.3%	329	300	-28	-8.5%
76.5%	322	286	-36	-11.2%
77.8%	320	284	-36	-11.3%
79.0%	303	281	-22	-7.3%
80.2%	270	280	10	3.8%
81.5%	263	271	8	3.0%
82.7%	260	271	11	4.4%
84.0%	251	267	16	6.3%
85.2%	242	257	15	6.2%
86.4%	209	255	46	22.0%
87.7%	204	251	47	23.3%
88.9%	171	247	76	44.6%
90.1%	148	241	93	63.1%
91.4%	146	241	95	65.2%
92.6%	142	240	98	69.0%
93.8%	120	228	109	90.9%
95.1%	116	114	-3	-2.2%
96.3%	114	93	-21	-18.1%
97.5%	48	54	6	12.4%
98.8%	34	48	14	40.8%
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,397	1,397	0	0.0%
1.2%	1,383	1,383	0	0.0%
2.5%	1,381	1,367	-14	-1.0%
3.7%	1,380	1,273	-107	-7.8%
4.9%	1,367	1,249	-118	-8.6%
6.2%	1,353	1,234	-119	-8.8%
7.4%	1,350	1,169	-181	-13.4%
8.6%	1,336	1,124	-212	-15.9%
9.9%	1,330	1,020	-310	-23.3%
11.1%	1,273	956	-317	-24.9%
12.3%	1,249	854	-396	-31.7%
13.6%	1,090	841	-249	-22.9%
14.8%	1,086	817	-268	-24.7%
16.0%	1,039	783	-256	-24.6%
17.3%	991	773	-217	-21.9%
18.5%	969	734	-235	-24.3%
19.8%	951	717	-235	-24.7%
21.0%	949	654	-295	-31.1%
22.2%	932	645	-287	-30.8%
23.5%	921	644	-277	-30.1%
24.7%	911	622	-289	-31.7%
25.9%	888	572	-316	-35.6%
27.2%	880	548	-332	-37.7%
28.4%	871	523	-348	-40.0%
29.6%	811	521	-289	-35.7%
30.9%	756	514	-241	-31.9%
32.1%	746	505	-241	-32.4%
33.3%	717	499	-219	-30.5%
34.6%	716	479	-238	-33.2%
35.8%	712	472	-240	-33.7%
37.0%	704	469	-235	-33.4%
38.3%	701	466	-235	-33.5%
39.5%	698	461	-237	-33.9%
40.7%	685	443	-242	-35.3%
42.0%	681	438	-243	-35.7%
43.2%	676	431	-245	-36.2%
44.4%	666	423	-243	-36.5%
45.7%	663	412	-252	-37.9%
46.9%	654	412	-242	-37.0%
48.1%	643	409	-234	-36.4%
49.4%	631	408	-224	-35.4%
50.6%	626	407	-219	-35.0%
51.9%	626	404	-222	-35.5%
53.1%	613	398	-214	-35.0%
54.3%	603	397	-206	-34.2%
55.6%	599	394	-205	-34.2%
56.8%	592	388	-204	-34.4%
58.0%	586	386	-200	-34.2%
59.3%	584	386	-198	-34.0%
60.5%	581	382	-199	-34.3%
61.7%	578	379	-199	-34.4%
63.0%	571	377	-194	-33.9%
64.2%	559	370	-188	-33.7%
65.4%	550	366	-184	-33.5%
66.7%	512	360	-152	-29.7%
67.9%	486	357	-129	-26.5%
69.1%	475	355	-120	-25.2%
70.4%	445	354	-92	-20.6%
71.6%	408	352	-56	-13.7%
72.8%	401	348	-52	-13.0%
74.1%	378	347	-31	-8.2%
75.3%	333	326	-7	-2.0%
76.5%	319	322	3	1.1%
77.8%	281	316	34	12.1%
79.0%	252	301	49	19.4%
80.2%	247	296	49	19.7%
81.5%	245	291	46	18.7%
82.7%	224	282	58	25.7%
84.0%	207	275	68	33.0%
85.2%	180	261	81	45.3%
86.4%	171	255	84	49.3%
87.7%	147	234	87	59.5%
88.9%	142	232	89	62.7%
90.1%	126	216	90	71.4%
91.4%	95	176	81	84.7%
92.6%	67	147	80	118.9%
93.8%	52	145	92	177.4%
95.1%	0	108	108	
96.3%	0	62	62	
97.5%	0	26	26	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,114	1,101	-13	-1.1%
1.2%	1,102	1,093	-9	-0.8%
2.5%	1,091	1,088	-4	-0.3%
3.7%	1,081	1,087	6	0.6%
4.9%	1,078	1,081	3	0.3%
6.2%	1,070	1,078	8	0.7%
7.4%	1,062	1,021	-41	-3.9%
8.6%	1,062	954	-108	-10.2%
9.9%	1,028	917	-111	-10.8%
11.1%	1,000	907	-93	-9.3%
12.3%	952	851	-100	-10.5%
13.6%	895	791	-104	-11.6%
14.8%	873	785	-87	-10.0%
16.0%	829	767	-62	-7.5%
17.3%	791	723	-68	-8.6%
18.5%	770	711	-59	-7.6%
19.8%	768	698	-71	-9.2%
21.0%	762	665	-97	-12.8%
22.2%	738	661	-77	-10.4%
23.5%	703	661	-42	-5.9%
24.7%	693	655	-38	-5.4%
25.9%	685	623	-63	-9.2%
27.2%	664	617	-47	-7.1%
28.4%	656	577	-79	-12.1%
29.6%	647	572	-75	-11.6%
30.9%	637	534	-104	-16.3%
32.1%	635	522	-113	-17.8%
33.3%	603	511	-92	-15.2%
34.6%	603	491	-112	-18.5%
35.8%	572	472	-101	-17.6%
37.0%	572	465	-107	-18.6%
38.3%	565	464	-101	-17.9%
39.5%	560	462	-99	-17.6%
40.7%	560	457	-103	-18.5%
42.0%	557	454	-103	-18.6%
43.2%	543	445	-98	-18.0%
44.4%	530	421	-109	-20.5%
45.7%	528	409	-119	-22.6%
46.9%	522	403	-119	-22.8%
48.1%	514	399	-115	-22.4%
49.4%	511	392	-119	-23.3%
50.6%	504	379	-125	-24.8%
51.9%	504	371	-133	-26.4%
53.1%	500	366	-134	-26.8%
54.3%	489	323	-166	-33.9%
55.6%	485	318	-167	-34.4%
56.8%	482	318	-164	-34.1%
58.0%	474	317	-157	-33.1%
59.3%	470	312	-159	-33.8%
60.5%	464	306	-158	-34.0%
61.7%	462	305	-157	-34.1%
63.0%	460	301	-159	-34.5%
64.2%	460	300	-160	-34.9%
65.4%	456	295	-161	-35.4%
66.7%	455	292	-163	-35.8%
67.9%	450	290	-160	-35.6%
69.1%	445	287	-158	-35.4%
70.4%	406	278	-128	-31.6%
71.6%	404	277	-127	-31.4%
72.8%	379	274	-105	-27.7%
74.1%	355	269	-86	-24.2%
75.3%	302	268	-34	-11.3%
76.5%	254	249	-6	-2.2%
77.8%	225	233	8	3.5%
79.0%	201	218	17	8.5%
80.2%	196	210	14	7.3%
81.5%	194	198	5	2.6%
82.7%	179	198	19	10.6%
84.0%	142	192	49	34.5%
85.2%	136	185	48	35.4%
86.4%	117	180	63	53.6%
87.7%	114	178	65	57.0%
88.9%	100	172	71	70.7%
90.1%	76	168	92	120.6%
91.4%	62	153	91	145.1%
92.6%	54	130	76	142.4%
93.8%	42	62	21	49.6%
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	311	264	-47	-15.2%
1.2%	309	260	-50	-16.0%
2.5%	298	203	-96	-32.1%
3.7%	286	174	-112	-39.2%
4.9%	284	159	-125	-44.0%
6.2%	279	155	-124	-44.5%
7.4%	275	153	-122	-44.2%
8.6%	266	136	-130	-48.8%
9.9%	260	135	-125	-48.2%
11.1%	251	134	-117	-46.7%
12.3%	212	122	-90	-42.5%
13.6%	206	114	-92	-44.8%
14.8%	199	101	-98	-49.3%
16.0%	180	100	-80	-44.3%
17.3%	168	97	-71	-42.4%
18.5%	165	91	-73	-44.5%
19.8%	161	90	-71	-44.3%
21.0%	155	87	-69	-44.2%
22.2%	147	84	-63	-42.9%
23.5%	139	83	-56	-40.2%
24.7%	138	81	-57	-41.1%
25.9%	136	79	-57	-42.0%
27.2%	131	79	-52	-39.8%
28.4%	130	78	-52	-40.0%
29.6%	129	68	-60	-46.8%
30.9%	128	68	-60	-47.0%
32.1%	124	68	-57	-45.6%
33.3%	117	66	-51	-43.7%
34.6%	111	65	-45	-41.0%
35.8%	109	62	-47	-43.2%
37.0%	102	58	-45	-43.7%
38.3%	102	57	-44	-43.6%
39.5%	100	51	-49	-49.2%
40.7%	100	51	-49	-49.2%
42.0%	99	50	-48	-49.0%
43.2%	90	50	-40	-44.4%
44.4%	87	47	-40	-45.5%
45.7%	84	47	-37	-44.5%
46.9%	83	46	-37	-44.6%
48.1%	82	45	-37	-45.3%
49.4%	79	44	-35	-44.5%
50.6%	77	44	-33	-43.1%
51.9%	75	43	-31	-41.8%
53.1%	74	41	-33	-44.1%
54.3%	68	41	-27	-40.1%
55.6%	66	40	-26	-40.1%
56.8%	64	39	-24	-38.3%
58.0%	61	37	-24	-38.9%
59.3%	56	37	-19	-33.5%
60.5%	54	37	-16	-30.7%
61.7%	53	35	-18	-33.1%
63.0%	53	35	-18	-33.4%
64.2%	49	35	-15	-29.7%
65.4%	48	34	-14	-28.7%
66.7%	44	34	-10	-22.8%
67.9%	43	33	-10	-22.3%
69.1%	41	33	-8	-19.8%
70.4%	41	32	-9	-21.1%
71.6%	39	32	-7	-18.9%
72.8%	37	32	-5	-14.8%
74.1%	35	32	-3	-9.5%
75.3%	33	31	-1	-4.1%
76.5%	31	31	0	-0.4%
77.8%	27	31	4	15.9%
79.0%	26	30	4	14.6%
80.2%	25	29	4	14.8%
81.5%	25	27	2	8.3%
82.7%	25	27	2	8.0%
84.0%	25	27	2	7.8%
85.2%	24	23	-1	-4.5%
86.4%	23	21	-2	-7.6%
87.7%	22	21	-1	-5.1%
88.9%	22	18	-4	-17.2%
90.1%	21	12	-9	-43.0%
91.4%	19	11	-9	-45.0%
92.6%	18	10	-8	-43.9%
93.8%	10	8	-2	-22.1%
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure OP-02-b
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Probability of Exceedance

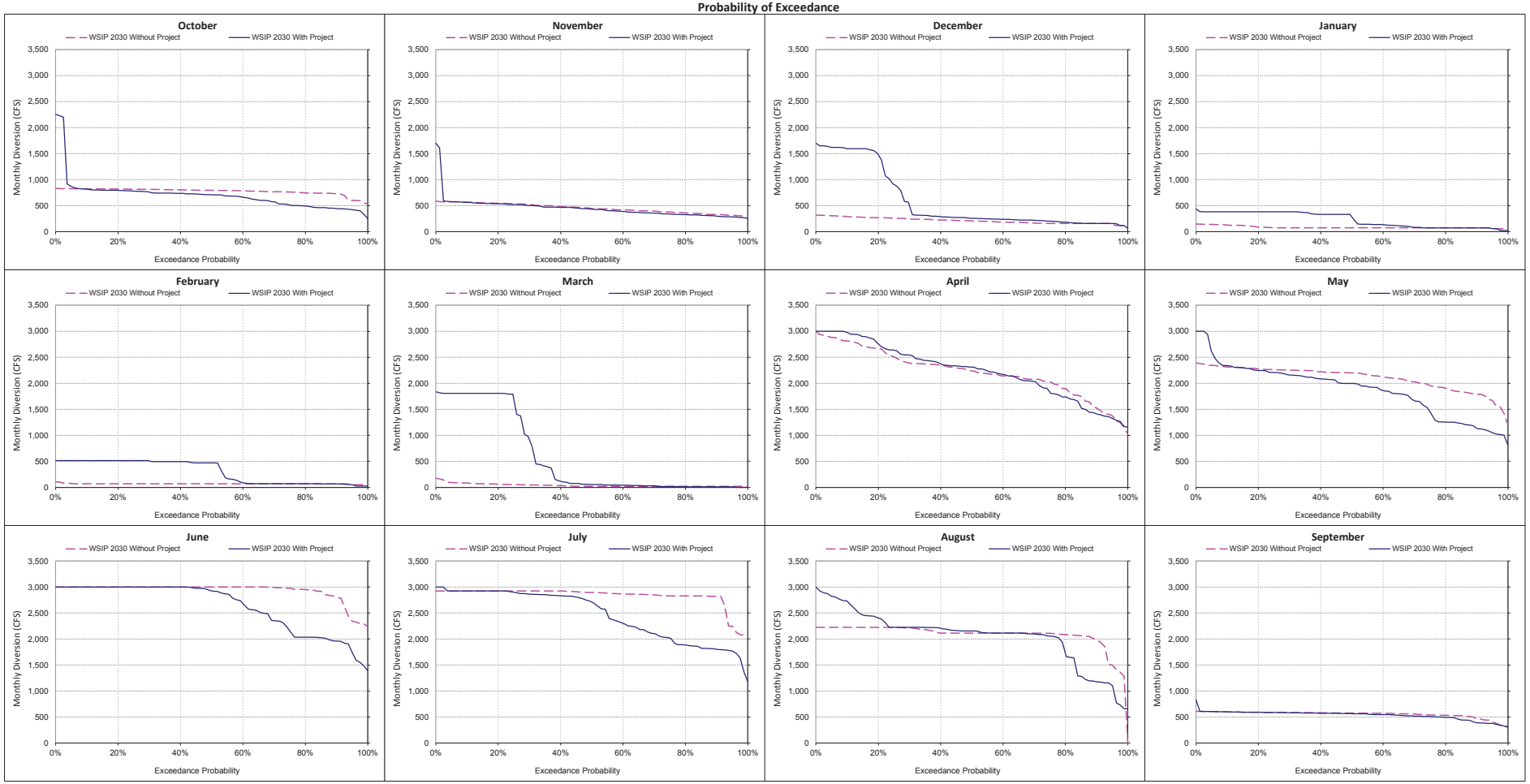


Table OP-02-b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	829	2,257	1,428	172.3%
1.2%	828	2,230	1,402	169.4%
2.5%	826	2,201	1,375	166.4%
3.7%	825	916	90	11.0%
4.9%	825	872	47	5.7%
6.2%	825	839	14	1.7%
7.4%	823	826	3	0.4%
8.6%	823	823	0	0.0%
9.9%	823	821	-2	-0.2%
11.1%	822	806	-16	-2.0%
12.3%	822	803	-19	-2.3%
13.6%	822	803	-19	-2.3%
14.8%	821	799	-23	-2.7%
16.0%	821	799	-23	-2.8%
17.3%	821	796	-25	-3.0%
18.5%	820	795	-25	-3.1%
19.8%	819	794	-25	-3.0%
21.0%	819	791	-28	-3.4%
22.2%	819	787	-32	-3.9%
23.5%	818	785	-33	-4.1%
24.7%	816	780	-36	-4.4%
25.9%	816	779	-37	-4.5%
27.2%	815	776	-39	-4.8%
28.4%	815	770	-44	-5.4%
29.6%	814	768	-46	-5.7%
30.9%	813	748	-64	-7.9%
32.1%	812	743	-69	-8.5%
33.3%	809	742	-67	-8.3%
34.6%	809	742	-67	-8.3%
35.8%	807	741	-66	-8.2%
37.0%	806	741	-65	-8.1%
38.3%	806	738	-68	-8.4%
39.5%	805	737	-68	-8.5%
40.7%	803	736	-67	-8.3%
42.0%	802	729	-73	-9.1%
43.2%	799	727	-72	-9.0%
44.4%	799	727	-72	-9.0%
45.7%	796	721	-76	-9.5%
46.9%	796	715	-81	-10.2%
48.1%	795	714	-81	-10.2%
49.4%	795	712	-82	-10.3%
50.6%	794	709	-85	-10.7%
51.9%	793	709	-85	-10.7%
53.1%	792	707	-85	-10.7%
54.3%	791	688	-103	-13.0%
55.6%	791	688	-103	-13.0%
56.8%	790	680	-110	-13.9%
58.0%	787	679	-108	-13.7%
59.3%	787	674	-113	-14.3%
60.5%	787	656	-130	-16.6%
61.7%	781	648	-133	-17.1%
63.0%	779	626	-153	-19.7%
64.2%	778	619	-159	-20.4%
65.4%	777	602	-176	-22.6%
66.7%	773	601	-172	-22.2%
67.9%	772	596	-176	-22.8%
69.1%	768	579	-189	-24.6%
70.4%	767	574	-193	-25.2%
71.6%	767	533	-234	-30.5%
72.8%	765	531	-234	-30.5%
74.1%	764	527	-237	-31.0%
75.3%	761	506	-255	-33.5%
76.5%	760	504	-256	-33.7%
77.8%	754	504	-250	-33.1%
79.0%	749	497	-253	-33.7%
80.2%	743	493	-250	-33.7%
81.5%	743	481	-262	-35.2%
82.7%	742	468	-274	-36.9%
84.0%	741	464	-277	-37.4%
85.2%	741	462	-279	-37.6%
86.4%	739	461	-277	-37.6%
87.7%	738	452	-286	-38.7%
88.9%	734	450	-283	-38.6%
90.1%	727	443	-284	-39.1%
91.4%	722	443	-280	-38.7%
92.6%	693	436	-257	-37.1%
93.8%	602	434	-168	-27.9%
95.1%	601	424	-177	-29.4%
96.3%	596	410	-187	-31.3%
97.5%	596	404	-192	-32.2%
98.8%	553	335	-218	-39.5%
100.0%	532	253	-279	-52.5%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	586	1,702	1,117	190.7%
1.2%	577	1,609	1,031	178.6%
2.5%	572	593	21	3.8%
3.7%	571	579	8	1.4%
4.9%	571	577	6	1.0%
6.2%	571	575	3	0.6%
7.4%	571	571	0	0.1%
8.6%	571	569	-2	-0.3%
9.9%	569	562	-7	-1.3%
11.1%	566	561	-5	-0.9%
12.3%	564	552	-12	-2.2%
13.6%	560	547	-13	-2.4%
14.8%	555	545	-10	-1.8%
16.0%	551	542	-8	-1.5%
17.3%	548	540	-8	-1.5%
18.5%	546	537	-9	-1.6%
19.8%	546	537	-8	-1.5%
21.0%	545	536	-10	-1.7%
22.2%	544	530	-14	-2.6%
23.5%	543	524	-19	-3.5%
24.7%	539	524	-14	-2.7%
25.9%	533	523	-9	-1.7%
27.2%	529	521	-8	-1.6%
28.4%	529	514	-15	-2.9%
29.6%	522	501	-22	-4.2%
30.9%	516	501	-15	-3.0%
32.1%	508	498	-10	-1.9%
33.3%	507	494	-13	-2.5%
34.6%	502	474	-28	-5.6%
35.8%	501	474	-27	-5.4%
37.0%	501	473	-28	-5.6%
38.3%	482	470	-12	-2.4%
39.5%	481	466	-14	-3.0%
40.7%	479	466	-13	-2.7%
42.0%	475	466	-9	-1.9%
43.2%	474	465	-9	-1.9%
44.4%	474	457	-17	-3.5%
45.7%	465	450	-15	-3.1%
46.9%	457	444	-13	-2.9%
48.1%	457	444	-13	-2.9%
49.4%	450	437	-14	-3.0%
50.6%	443	429	-14	-3.1%
51.9%	438	427	-11	-2.5%
53.1%	438	426	-12	-2.8%
54.3%	436	412	-24	-5.6%
55.6%	435	401	-35	-7.9%
56.8%	428	400	-28	-6.6%
58.0%	421	400	-21	-5.0%
59.3%	420	390	-30	-7.3%
60.5%	420	387	-33	-7.8%
61.7%	417	378	-40	-9.5%
63.0%	411	370	-40	-9.8%
64.2%	408	370	-38	-9.4%
65.4%	401	368	-33	-8.3%
66.7%	400	361	-39	-9.8%
67.9%	398	360	-38	-9.6%
69.1%	397	357	-40	-10.0%
70.4%	396	356	-40	-10.0%
71.6%	386	350	-36	-9.3%
72.8%	379	344	-34	-9.1%
74.1%	378	342	-36	-9.5%
75.3%	376	339	-37	-10.0%
76.5%	369	331	-38	-10.4%
77.8%	368	331	-38	-10.2%
79.0%	364	329	-35	-9.7%
80.2%	357	329	-28	-8.0%
81.5%	353	325	-28	-8.0%
82.7%	351	323	-28	-8.0%
84.0%	349	322	-27	-7.7%
85.2%	346	313	-33	-9.4%
86.4%	333	310	-23	-6.9%
87.7%	331	307	-24	-7.2%
88.9%	331	306	-25	-7.5%
90.1%	330	298	-33	-9.9%
91.4%	330	290	-40	-12.1%
92.6%	322	289	-32	-10.0%
93.8%	318	289	-29	-9.1%
95.1%	318	282	-35	-11.2%
96.3%	309	281	-28	-9.0%
97.5%	306	270	-36	-11.8%
98.8%	299	268	-30	-10.2%
100.0%	298	257	-41	-13.6%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	318	1,702	1,385	435.9%
1.2%	316	1,651	1,335	422.5%
2.5%	314	1,649	1,334	424.3%
3.7%	310	1,641	1,330	428.5%
4.9%	306	1,623	1,317	431.0%
6.2%	304	1,620	1,316	433.5%
7.4%	298	1,619	1,321	443.9%
8.6%	296	1,614	1,318	444.6%
9.9%	292	1,597	1,305	446.1%
11.1%	284	1,597	1,313	461.5%
12.3%	284	1,597	1,313	462.3%
13.6%	282	1,597	1,315	465.5%
14.8%	277	1,597	1,320	477.0%
16.0%	272	1,597	1,325	486.3%
17.3%	271	1,577	1,306	481.7%
18.5%	270	1,558	1,288	476.4%
19.8%	268	1,505	1,236	460.6%
21.0%	268	1,382	1,114	415.7%
22.2%	268	1,077	809	301.9%
23.5%	263	1,018	755	287.0%
24.7%	259	919	660	254.7%
25.9%	255	878	623	244.1%
27.2%	254	795	540	212.5%
28.4%	253	579	326	128.9%
29.6%	242	567	325	133.9%
30.9%	240	329	90	37.3%
32.1%	239	318	79	32.9%
33.3%	239	316	77	32.4%
34.6%	237	314	78	32.8%
35.8%	235	310	75	32.0%
37.0%	231	299	68	29.3%
38.3%	228	298	70	30.6%
39.5%	225	292	68	30.1%
40.7%	224	284	60	26.9%
42.0%	222	282	60	27.0%
43.2%	222	278	56	25.1%
44.4%	216	272	56	25.9%
45.7%	213	271	58	27.4%
46.9%	212	270	58	27.4%
48.1%	212	268	56	26.5%
49.4%	209	259	50	23.7%
50.6%	204	255	51	24.9%
51.9%	201	254	53	26.3%
53.1%	201	253	52	25.8%
54.3%	197	249	52	26.6%
55.6%	194	249	55	28.3%
56.8%	193	242	49	25.3%
58.0%	189	240	51	26.9%
59.3%	185	239	55	29.5%
60.5%	184	239	55	29.9%
61.7%	181	237	56	31.1%
63.0%	180	231	51	28.5%
64.2%	179	228	48	27.0%
65.4%	179	225	46	25.8%
66.7%	175	224	49	27.9%
67.9%	171	222	51	29.7%
69.1%	171	222	50	29.5%
70.4%	161	216	55	33.9%
71.6%	161	213	52	32.2%
72.8%	159	212	53	33.6%
74.1%	158	204	46	29.5%
75.3%	158	201	44	27.7%
76.5%	158	197	39	24.9%
77.8%	158	194	36	22.9%
79.0%	158	185	27	17.0%
80.2%	158	180	22	14.2%
81.5%	158	171	14	8.6%
82.7%	158	165	8	4.8%
84.0%	158	161	4	2.4%
85.2%	158	161	3	2.0%
86.4%	158	159	1	0.5%
87.7%	158	158	0	0.0%
88.9%	158	158	0	0.0%
90.1%	158	158	0	0.0%
91.4%	158	158	0	0.0%
92.6%	158	158	0	0.0%
93.8%	158	158	0	0.0%
95.1%	138	158	20	14.3%
96.3%	119	155	35	29.8%
97.5%	119	119	0	0.0%
98.8%	119	119	0	0.0%
100.0%	73	65	-8	-11.2%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	147	436	290	197.7%
1.2%	144	387	243	168.5%
2.5%	141	384	243	173.1%
3.7%	141	384	243	173.1%
4.9%	139	384	244	175.4%
6.2%	137	384	246	179.5%
7.4%	137	384	247	181.1%
8.6%	133	384	250	187.9%
9.9%	127	384	256	201.4%
11.1%	122	384	262	214.3%
12.3%	122	384	262	214.3%
13.6%	121	384	262	216.4%
14.8%	120	384	264	220.6%
16.0%	114	384	270	236.4%
17.3%	108	384	276	255.1%
18.5%	102	384	282	277.5%
19.8%	87	384	297	339.9%
21.0%	87	384	297	342.0%
22.2%	82	384	301	366.3%
23.5%	80	384	303	377.2%
24.7%	78	384	306	391.9%
25.9%	75	384	309	413.0%
27.2%	75	384	309	413.0%
28.4%	75	384	309	413.0%
29.6%	75	384	309	413.0%
30.9%	75	384	309	413.0%
32.1%	75	384	309	413.0%
33.3%	75	379	304	406.3%
34.6%	75	365	291	388.4%
35.8%	75	365	291	388.4%
37.0%	75	342	268	357.7%
38.3%	75	335	260	347.7%
39.5%	75	332	258	344.2%
40.7%	75	332	258	344.2%
42.0%	75	332	258	344.2%
43.2%	75	332	258	344.2%
44.4%	75	332	258	344.2%
45.7%	75	332	258	344.2%
46.9%	75	332	258	344.2%
48.1%	75	332	258	344.2%
49.4%	75	332	258	344.2%
50.6%	75	231	156	208.4%
51.9%	75	147	72	95.9%
53.1%	75	142	67	90.0%
54.3%	75	141	66	87.9%
55.6%	75	141	66	87.9%
56.8%	75	139	65	86.2%
58.0%	75	137	63	83.6%
59.3%	75	137	62	82.5%
60.5%	75	133	59	78.2%
61.7%	75	122	47	63.2%
63.0%	75	122	47	63.2%
64.2%	75	120	45	60.0%
65.4%	75	114	39	52.5%
66.7%	75	108	33	44.5%
67.9%	75	102	27	35.9%
69.1%	75	87	12	16.1%
70.4%	75	82	7	10.0%
71.6%	75	80	6	7.5%
72.8%	75	75	0	0.0%
74.1%	75	75	0	0.0%
75.3%	75	75	0	0.0%
76.5%	75	75	0	0.0%
77.8%	75	75	0	0.0%
79.0%	75	75	0	0.0%
80.2%	75	75	0	0.0%
81.5%	75	75	0	0.0%
82.7%	75	75	0	0.0%
84.0%	75	75	0	0.0%
85.2%	75	75	0	0.0%
86.4%	75	75	0	0.0%
87.7%	75	75	0	0.0%
88.9%	75	75	0	0.0%
90.1%	75	75	0	0.0%
91.4%	75	75	0	0.0%
92.6%	75	75	0	0.0%
93.8%	75	75	0	0.0%
95.1%	63	56	-7	-10.5%
96.3%	56	56	0	0.0%
97.5%	56	24	-32	-57.1%
98.8%	56	23	-33	-58.8%
100.0%	56	23	-33	-58.8%

Table OP-02-b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	107	513	406	380.9%
1.2%	103	513	411	400.0%
2.5%	81	513	432	534.2%
3.7%	80	513	433	541.7%
4.9%	74	513	439	590.2%
6.2%	68	513	445	650.0%
7.4%	68	513	445	650.0%
8.6%	68	513	445	650.0%
9.9%	68	513	445	650.0%
11.1%	68	513	445	650.0%
12.3%	68	513	445	650.0%
13.6%	68	513	445	650.0%
14.8%	68	513	445	650.0%
16.0%	68	513	445	650.0%
17.3%	68	513	445	650.0%
18.5%	68	513	445	650.0%
19.8%	68	513	445	650.0%
21.0%	68	513	445	650.0%
22.2%	68	513	445	650.0%
23.5%	68	513	445	650.0%
24.7%	68	513	445	650.0%
25.9%	68	513	445	650.0%
27.2%	68	513	445	650.0%
28.4%	68	513	445	650.0%
29.6%	68	513	445	650.0%
30.9%	68	496	428	625.5%
32.1%	68	496	428	625.5%
33.3%	68	496	428	625.5%
34.6%	68	495	427	624.1%
35.8%	68	495	427	624.1%
37.0%	68	495	427	624.1%
38.3%	68	495	427	624.1%
39.5%	68	495	427	624.1%
40.7%	68	495	427	624.1%
42.0%	68	495	427	624.1%
43.2%	68	479	411	600.5%
44.4%	68	471	402	587.8%
45.7%	68	471	402	587.8%
46.9%	68	471	402	587.8%
48.1%	68	471	402	587.8%
49.4%	68	471	402	587.8%
50.6%	68	471	402	587.8%
51.9%	68	471	402	587.8%
53.1%	68	320	251	367.4%
54.3%	68	186	118	172.1%
55.6%	68	159	91	132.9%
56.8%	68	157	89	129.9%
58.0%	68	135	67	97.2%
59.3%	68	100	32	46.7%
60.5%	68	80	12	16.9%
61.7%	68	74	6	8.7%
63.0%	68	68	0	0.0%
64.2%	68	68	0	0.0%
65.4%	68	68	0	0.0%
66.7%	68	68	0	0.0%
67.9%	68	68	0	0.0%
69.1%	68	68	0	0.0%
70.4%	68	68	0	0.0%
71.6%	68	68	0	0.0%
72.8%	68	68	0	0.0%
74.1%	66	68	2	3.6%
75.3%	66	68	2	3.6%
76.5%	66	68	2	3.6%
77.8%	66	68	2	3.6%
79.0%	66	68	2	3.6%
80.2%	66	68	2	3.6%
81.5%	66	68	2	3.6%
82.7%	66	68	2	3.6%
84.0%	66	68	2	3.6%
85.2%	66	66	0	0.0%
86.4%	66	66	0	0.0%
87.7%	66	66	0	0.0%
88.9%	66	66	0	0.0%
90.1%	66	66	0	0.0%
91.4%	66	63	-3	-4.0%
92.6%	66	62	-4	-5.5%
93.8%	62	54	-8	-12.9%
95.1%	52	50	-2	-3.0%
96.3%	52	26	-26	-50.2%
97.5%	52	26	-26	-50.2%
98.8%	50	26	-24	-48.5%
100.0%	50	26	-24	-48.7%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	176	1,838	1,662	945.4%
1.2%	162	1,819	1,657	
2.5%	143	1,807	1,663	
3.7%	98	1,807	1,709	
4.9%	94	1,807	1,713	
6.2%	90	1,807	1,717	
7.4%	90	1,807	1,717	
8.6%	84	1,807	1,722	
9.9%	84	1,807	1,723	
11.1%	77	1,807	1,730	
12.3%	74	1,807	1,733	
13.6%	69	1,807	1,737	
14.8%	69	1,807	1,737	
16.0%	69	1,807	1,738	
17.3%	66	1,807	1,740	
18.5%	66	1,807	1,741	
19.8%	61	1,807	1,745	
21.0%	58	1,807	1,748	
22.2%	58	1,802	1,744	
23.5%	56	1,793	1,737	
24.7%	56	1,793	1,737	
25.9%	54	1,403	1,349	
27.2%	50	1,371	1,321	
28.4%	48	1,019	971	
29.6%	46	979	933	
30.9%	46	790	744	
32.1%	45	449	404	897.0%
33.3%	44	438	394	894.1%
34.6%	41	415	375	925.0%
35.8%	40	393	352	872.7%
37.0%	40	372	332	825.9%
38.3%	33	150	117	358.1%
39.5%	32	128	95	294.1%
40.7%	32	105	72	224.4%
42.0%	25	94	69	277.5%
43.2%	25	77	52	210.9%
44.4%	22	76	54	245.9%
45.7%	22	74	52	234.7%
46.9%	22	61	39	176.9%
48.1%	22	60	38	175.5%
49.4%	20	55	36	183.6%
50.6%	20	54	35	177.2%
51.9%	20	53	34	171.8%
53.1%	20	53	34	171.8%
54.3%	20	46	27	136.4%
55.6%	20	46	27	136.4%
56.8%	20	44	25	127.3%
58.0%	20	44	24	124.6%
59.3%	20	42	23	117.5%
60.5%	20	42	22	112.8%
61.7%	20	39	20	101.0%
63.0%	20	37	18	92.1%
64.2%	20	37	17	89.2%
65.4%	20	35	15	77.4%
66.7%	20	31	12	61.0%
67.9%	20	30	11	53.9%
69.1%	20	30	11	53.9%
70.4%	20	30	11	53.9%
71.6%	20	17	-3	-15.0%
72.8%	20	16	-3	-16.9%
74.1%	20	16	-3	-16.9%
75.3%	20	14	-6	-28.8%
76.5%	20	14	-6	-29.1%
77.8%	20	14	-6	-30.2%
79.0%	20	11	-8	-41.7%
80.2%	20	11	-8	-41.7%
81.5%	20	11	-8	-41.7%
82.7%	20	11	-8	-41.7%
84.0%	20	11	-8	-41.7%
85.2%	20	11	-8	-41.7%
86.4%	20	11	-8	-41.7%
87.7%	20	11	-8	-41.7%
88.9%	20	11	-8	-41.7%
90.1%	20	11	-8	-41.7%
91.4%	20	11	-8	-41.7%
92.6%	20	11	-8	-41.7%
93.8%	20	11	-8	-41.7%
95.1%	20	11	-8	-41.7%
96.3%	20	0	-20	-100.0%
97.5%	20	0	-20	-100.0%
98.8%	15	0	-15	-100.0%
100.0%	15	0	-15	-100.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	2,937	3,000	63	2.2%
2.5%	2,926	3,000	74	2.5%
3.7%	2,905	3,000	95	3.3%
4.9%	2,883	3,000	117	4.1%
6.2%	2,877	3,000	123	4.3%
7.4%	2,851	3,000	149	5.2%
8.6%	2,818	3,000	182	6.4%
9.9%	2,813	2,981	168	6.0%
11.1%	2,806	2,945	140	5.0%
12.3%	2,789	2,943	154	5.5%
13.6%	2,768	2,937	169	6.1%
14.8%	2,717	2,903	186	6.8%
16.0%	2,706	2,897	191	7.0%
17.3%	2,685	2,873	189	7.0%
18.5%	2,680	2,851	171	6.4%
19.8%	2,666	2,771	105	4.0%
21.0%	2,666	2,708	42	1.6%
22.2%	2,585	2,665	80	3.1%
23.5%	2,543	2,643	100	3.9%
24.7%	2,518	2,640	121	4.8%
25.9%	2,484	2,625	141	5.7%
27.2%	2,433	2,559	126	5.2%
28.4%	2,414	2,545	130	5.4%
29.6%	2,395	2,545	150	6.2%
30.9%	2,380	2,531	151	6.4%
32.1%	2,379	2,472	93	3.9%
33.3%	2,377	2,467	90	3.8%
34.6%	2,374	2,440	66	2.8%
35.8%	2,366	2,438	72	3.1%
37.0%	2,364	2,426	62	2.6%
38.3%	2,363	2,414	51	2.2%
39.5%	2,353	2,392	39	1.7%
40.7%	2,347	2,350	4	0.2%
42.0%	2,323	2,346	23	1.0%
43.2%	2,310	2,339	29	1.3%
44.4%	2,299	2,335	36	1.6%
45.7%	2,291	2,332	41	1.8%
46.9%	2,283	2,324	41	1.8%
48.1%	2,267	2,321	54	2.4%
49.4%	2,239	2,313	74	3.3%
50.6%	2,235	2,310	75	3.4%
51.9%	2,205	2,279	73	3.3%
53.1%	2,197	2,275	78	3.5%
54.3%	2,189	2,258	69	3.1%
55.6%	2,181	2,222	42	1.9%
56.8%	2,173	2,218	45	2.1%
58.0%	2,171	2,198	27	1.2%
59.3%	2,144	2,176	32	1.5%
60.5%	2,141	2,169	28	1.3%
61.7%	2,139	2,142	4	0.2%
63.0%	2,136	2,140	5	0.2%
64.2%	2,130	2,110	-21	-1.0%
65.4%	2,130	2,074	-56	-2.7%
66.7%	2,090	2,052	-38	-1.8%
67.9%	2,080	2,045	-34	-1.7%
69.1%	2,077	2,042	-35	-1.7%
70.4%	2,077	2,031	-46	-2.2%
71.6%	2,076	1,955	-121	-5.8%
72.8%	2,042	1,914	-128	-6.3%
74.1%	2,034	1,903	-131	-6.4%
75.3%	2,023	1,809	-214	-10.6%
76.5%	1,983	1,798	-185	-9.3%
77.8%	1,967	1,779	-188	-9.5%
79.0%	1,903	1,740	-163	-8.5%
80.2%	1,895	1,739	-156	-8.2%
81.5%	1,809	1,699	-110	-6.1%
82.7%	1,777	1,687	-90	-5.1%
84.0%	1,768	1,659	-109	-6.1%
85.2%	1,747	1,516	-232	-13.3%
86.4%	1,659	1,498	-161	-9.7%
87.7%	1,643	1,443	-199	-12.1%
88.9%	1,555	1,436	-119	-7.6%
90.1%	1,522	1,407	-115	-7.6%
91.4%	1,466	1,395	-71	-4.9%
92.6%	1,418	1,367	-51	-3.6%
93.8%	1,402	1,357	-45	-3.2%
95.1%	1,375	1,325	-50	-3.7%
96.3%	1,271	1,288	17	1.4%
97.5%	1,249	1,271	21	1.7%
98.8%	1,158	1,172	14	1.2%
100.0%	1,021	1,151	130	12.7%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,392	3,000	608	25.4%
1.2%	2,379	3,000	621	26.1%
2.5%	2,369	3,000	631	26.6%
3.7%	2,351	2,943	592	25.2%
4.9%	2,346	2,622	276	11.8%
6.2%	2,340	2,479	138	5.9%
7.4%	2,331	2,391	60	2.6%
8.6%	2,325	2,340	16	0.7%
9.9%	2,315	2,340	25	1.1%
11.1%	2,315	2,331	16	0.7%
12.3%	2,315	2,305	-9	-0.4%
13.6%	2,305	2,305	0	0.0%
14.8%	2,299	2,299	0	0.0%
16.0%	2,296	2,285	-12	-0.5%
17.3%	2,289	2,284	-5	-0.2%
18.5%	2,289	2,258	-31	-1.3%
19.8%	2,278	2,247	-31	-1.4%
21.0%	2,274	2,245	-29	-1.3%
22.2%	2,266	2,241	-25	-1.1%
23.5%	2,266	2,211	-55	-2.4%
24.7%	2,265	2,206	-59	-2.6%
25.9%	2,261	2,206	-55	-2.4%
27.2%	2,258	2,195	-63	-2.8%
28.4%	2,258	2,184	-74	-3.3%
29.6%	2,255	2,163	-92	-4.1%
30.9%	2,252	2,155	-97	-4.3%
32.1%	2,250	2,150	-100	-4.5%
33.3%	2,248	2,146	-102	-4.5%
34.6%	2,248	2,133	-114	-5.1%
35.8%	2,245	2,118	-127	-5.7%
37.0%	2,245	2,115	-130	-5.8%
38.3%	2,226	2,096	-131	-5.9%
39.5%	2,222	2,085	-137	-6.1%
40.7%	2,219	2,084	-135	-6.1%
42.0%	2,211	2,078	-133	-6.0%
43.2%	2,209	2,072	-137	-6.2%
44.4%	2,209	2,067	-142	-6.4%
45.7%	2,206	2,006	-201	-9.1%
46.9%	2,206	2,000	-206	-9.3%
48.1%	2,206	1,997	-208	-9.5%
49.4%	2,201	1,996	-205	-9.3%
50.6%	2,201	1,995	-206	-9.4%
51.9%	2,198	1,988	-211	-9.6%
53.1%	2,185	1,950	-235	-10.8%
54.3%	2,172	1,950	-223	-10.3%
55.6%	2,162	1,926	-236	-10.9%
56.8%	2,147	1,924	-223	-10.4%
58.0%	2,141	1,921	-220	-10.3%
59.3%	2,133	1,874	-259	-12.1%
60.5%	2,118	1,851	-267	-12.6%
61.7%	2,107	1,846	-261	-12.4%
63.0%	2,100	1,808	-292	-13.9%
64.2%	2,086	1,803	-283	-13.6%
65.4%	2,086	1,797	-290	-13.9%
66.7%	2,076	1,787	-289	-13.9%
67.9%	2,038	1,766	-272	-13.4%
69.1%	2,032	1,695	-338	-16.6%
70.4%	2,025	1,658	-367	-18.1%
71.6%	2,007	1,653	-354	-17.6%
72.8%	2,004	1,575	-428	-21.4%
74.1%	1,983	1,536	-448	-22.6%
75.3%	1,950	1,422	-528	-27.1%
76.5%	1,937	1,295	-642	-33.1%
77.8%	1,926	1,258	-668	-34.7%
79.0%	1,921	1,257	-664	-34.6%
80.2%	1,903	1,255	-648	-34.0%
81.5%	1,882	1,254	-627	-33.3%
82.7%	1,851	1,252	-599	-32.4%
84.0%	1,843	1,239	-603	-32.8%
85.2%	1,840	1,226	-614	-33.4%
86.4%	1,825	1,202	-622	-34.1%
87.7%	1,815	1,201	-614	-33.8%
88.9%	1,797	1,185	-611	-34.0%
90.1%	1,790	1,128	-662	-37.0%
91.4%	1,787	1,125	-661	-37.0%
92.6%	1,762	1,110	-652	-37.0%
93.8%	1,692	1,082	-611	-36.1%
95.1%	1,668	1,049	-619	-37.1%
96.3%	1,562	1,024	-538	-34.4%
97.5%	1,547	1,016	-531	-34.3%
98.8%	1,422	1,003	-419	-29.5%
100.0%	1,202	816	-387	-32.1%

Table OP-02-b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	3,000	3,000	0	0.0%
2.5%	3,000	3,000	0	0.0%
3.7%	3,000	3,000	0	0.0%
4.9%	3,000	3,000	0	0.0%
6.2%	3,000	3,000	0	0.0%
7.4%	3,000	3,000	0	0.0%
8.6%	3,000	3,000	0	0.0%
9.9%	3,000	3,000	0	0.0%
11.1%	3,000	3,000	0	0.0%
12.3%	3,000	3,000	0	0.0%
13.6%	3,000	3,000	0	0.0%
14.8%	3,000	3,000	0	0.0%
16.0%	3,000	3,000	0	0.0%
17.3%	3,000	3,000	0	0.0%
18.5%	3,000	3,000	0	0.0%
19.8%	3,000	3,000	0	0.0%
21.0%	3,000	3,000	0	0.0%
22.2%	3,000	3,000	0	0.0%
23.5%	3,000	3,000	0	0.0%
24.7%	3,000	3,000	0	0.0%
25.9%	3,000	3,000	0	0.0%
27.2%	3,000	3,000	0	0.0%
28.4%	3,000	3,000	0	0.0%
29.6%	3,000	3,000	0	0.0%
30.9%	3,000	3,000	0	0.0%
32.1%	3,000	3,000	0	0.0%
33.3%	3,000	3,000	0	0.0%
34.6%	3,000	3,000	0	0.0%
35.8%	3,000	3,000	0	0.0%
37.0%	3,000	3,000	0	0.0%
38.3%	3,000	3,000	0	0.0%
39.5%	3,000	3,000	0	0.0%
40.7%	3,000	2,998	-2	-0.1%
42.0%	3,000	2,998	-2	-0.1%
43.2%	3,000	2,996	-4	-0.1%
44.4%	3,000	2,978	-22	-0.7%
45.7%	3,000	2,974	-26	-0.9%
46.9%	3,000	2,973	-27	-0.9%
48.1%	3,000	2,961	-39	-1.3%
49.4%	3,000	2,935	-65	-2.2%
50.6%	3,000	2,916	-84	-2.8%
51.9%	3,000	2,915	-85	-2.8%
53.1%	3,000	2,882	-118	-3.9%
54.3%	3,000	2,871	-129	-4.3%
55.6%	3,000	2,860	-140	-4.7%
56.8%	3,000	2,785	-215	-7.2%
58.0%	3,000	2,752	-248	-8.3%
59.3%	3,000	2,731	-269	-9.0%
60.5%	3,000	2,646	-354	-11.8%
61.7%	3,000	2,576	-424	-14.1%
63.0%	3,000	2,564	-436	-14.5%
64.2%	3,000	2,555	-445	-14.8%
65.4%	3,000	2,512	-488	-16.3%
66.7%	3,000	2,492	-508	-16.9%
67.9%	2,998	2,490	-508	-16.9%
69.1%	2,996	2,358	-637	-21.3%
70.4%	2,988	2,347	-641	-21.4%
71.6%	2,985	2,342	-643	-21.5%
72.8%	2,982	2,312	-670	-22.5%
74.1%	2,977	2,235	-742	-24.9%
75.3%	2,974	2,131	-843	-28.4%
76.5%	2,953	2,037	-916	-31.0%
77.8%	2,953	2,037	-916	-31.0%
79.0%	2,953	2,037	-916	-31.0%
80.2%	2,950	2,036	-914	-31.0%
81.5%	2,940	2,036	-904	-30.7%
82.7%	2,940	2,034	-906	-30.8%
84.0%	2,918	2,031	-887	-30.4%
85.2%	2,915	2,023	-892	-30.6%
86.4%	2,851	2,015	-836	-29.3%
87.7%	2,840	1,985	-855	-30.1%
88.9%	2,827	1,966	-862	-30.5%
90.1%	2,792	1,960	-832	-29.8%
91.4%	2,787	1,954	-833	-29.9%
92.6%	2,610	1,920	-690	-26.4%
93.8%	2,434	1,907	-527	-21.7%
95.1%	2,338	1,734	-604	-25.8%
96.3%	2,326	1,589	-737	-31.7%
97.5%	2,296	1,551	-745	-32.4%
98.8%	2,292	1,478	-814	-35.5%
100.0%	2,236	1,392	-844	-37.7%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,923	3,000	77	2.6%
1.2%	2,923	3,000	77	2.6%
2.5%	2,923	3,000	77	2.6%
3.7%	2,923	2,923	0	0.0%
4.9%	2,923	2,923	0	0.0%
6.2%	2,923	2,923	0	0.0%
7.4%	2,923	2,923	0	0.0%
8.6%	2,923	2,923	0	0.0%
9.9%	2,923	2,923	0	0.0%
11.1%	2,923	2,923	0	0.0%
12.3%	2,923	2,923	0	0.0%
13.6%	2,923	2,923	0	0.0%
14.8%	2,923	2,923	0	0.0%
16.0%	2,923	2,923	0	0.0%
17.3%	2,923	2,923	0	0.0%
18.5%	2,923	2,923	0	0.0%
19.8%	2,923	2,923	0	0.0%
21.0%	2,923	2,923	0	0.0%
22.2%	2,923	2,923	0	0.0%
23.5%	2,923	2,913	-10	-0.4%
24.7%	2,923	2,902	-21	-0.7%
25.9%	2,923	2,891	-32	-1.1%
27.2%	2,923	2,874	-49	-1.7%
28.4%	2,923	2,874	-49	-1.7%
29.6%	2,923	2,866	-57	-2.0%
30.9%	2,923	2,860	-64	-2.2%
32.1%	2,923	2,859	-64	-2.2%
33.3%	2,923	2,852	-71	-2.4%
34.6%	2,923	2,852	-71	-2.4%
35.8%	2,923	2,851	-73	-2.5%
37.0%	2,923	2,841	-82	-2.8%
38.3%	2,923	2,839	-85	-2.9%
39.5%	2,923	2,832	-91	-3.1%
40.7%	2,923	2,828	-95	-3.3%
42.0%	2,915	2,823	-93	-3.2%
43.2%	2,913	2,822	-91	-3.1%
44.4%	2,913	2,813	-100	-3.4%
45.7%	2,905	2,798	-107	-3.7%
46.9%	2,902	2,777	-126	-4.3%
48.1%	2,895	2,749	-146	-5.0%
49.4%	2,895	2,730	-165	-5.7%
50.6%	2,893	2,690	-203	-7.0%
51.9%	2,891	2,635	-255	-8.8%
53.1%	2,889	2,577	-311	-10.8%
54.3%	2,883	2,576	-307	-10.6%
55.6%	2,878	2,396	-482	-16.7%
56.8%	2,874	2,368	-506	-17.6%
58.0%	2,872	2,344	-527	-18.4%
59.3%	2,866	2,320	-545	-19.0%
60.5%	2,865	2,291	-574	-20.0%
61.7%	2,863	2,249	-614	-21.4%
63.0%	2,862	2,244	-618	-21.6%
64.2%	2,861	2,225	-635	-22.2%
65.4%	2,859	2,181	-678	-23.7%
66.7%	2,858	2,179	-679	-23.7%
67.9%	2,851	2,133	-719	-25.2%
69.1%	2,849	2,110	-740	-26.0%
70.4%	2,847	2,098	-749	-26.3%
71.6%	2,839	2,055	-783	-27.6%
72.8%	2,837	2,035	-802	-28.3%
74.1%	2,828	2,032	-796	-28.1%
75.3%	2,828	2,016	-812	-28.7%
76.5%	2,828	1,914	-914	-32.3%
77.8%	2,828	1,891	-937	-33.1%
79.0%	2,828	1,890	-938	-33.2%
80.2%	2,828	1,884	-944	-33.4%
81.5%	2,828	1,871	-957	-33.8%
82.7%	2,828	1,863	-965	-34.1%
84.0%	2,828	1,862	-966	-34.2%
85.2%	2,828	1,821	-1,007	-35.6%
86.4%	2,823	1,820	-1,002	-35.5%
87.7%	2,823	1,815	-1,008	-35.7%
88.9%	2,821	1,815	-1,006	-35.7%
90.1%	2,820	1,802	-1,018	-36.1%
91.4%	2,818	1,796	-1,022	-36.3%
92.6%	2,635	1,788	-848	-32.2%
93.8%	2,247	1,778	-469	-20.9%
95.1%	2,244	1,769	-475	-21.2%
96.3%	2,128	1,725	-403	-18.9%
97.5%	2,082	1,640	-443	-21.3%
98.8%	2,076	1,365	-711	-34.3%
100.0%	2,064	1,176	-888	-43.0%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,224	3,000	776	34.9%
1.2%	2,224	2,923	699	31.4%
2.5%	2,224	2,890	666	29.9%
3.7%	2,224	2,874	650	29.2%
4.9%	2,224	2,824	600	27.0%
6.2%	2,224	2,811	587	26.4%
7.4%	2,224	2,770	546	24.6%
8.6%	2,224	2,738	514	23.1%
9.9%	2,224	2,736	512	23.0%
11.1%	2,224	2,659	435	19.6%
12.3%	2,224	2,590	366	16.4%
13.6%	2,224	2,508	284	12.8%
14.8%	2,224	2,462	238	10.7%
16.0%	2,224	2,451	227	10.2%
17.3%	2,224	2,443	219	9.8%
18.5%	2,224	2,438	214	9.6%
19.8%	2,224	2,408	184	8.3%
21.0%	2,224	2,386	162	7.3%
22.2%	2,224	2,312	88	3.9%
23.5%	2,224	2,224	0	0.0%
24.7%	2,224	2,224	0	0.0%
25.9%	2,221	2,224	3	0.1%
27.2%	2,219	2,224	5	0.2%
28.4%	2,214	2,224	10	0.5%
29.6%	2,214	2,224	10	0.5%
30.9%	2,211	2,224	13	0.6%
32.1%	2,203	2,224	21	0.9%
33.3%	2,187	2,224	37	1.7%
34.6%	2,186	2,223	38	1.7%
35.8%	2,175	2,221	47	2.1%
37.0%	2,159	2,221	63	2.9%
38.3%	2,152	2,219	67	3.1%
39.5%	2,114	2,214	100	4.7%
40.7%	2,114	2,196	82	3.9%
42.0%	2,114	2,191	78	3.7%
43.2%	2,114	2,171	57	2.7%
44.4%	2,114	2,163	49	2.3%
45.7%	2,114	2,159	46	2.2%
46.9%	2,114	2,153	39	1.9%
48.1%	2,114	2,153	39	1.9%
49.4%	2,114	2,153	39	1.9%
50.6%	2,114	2,152	38	1.8%
51.9%	2,114	2,152	38	1.8%
53.1%	2,114	2,124	11	0.5%
54.3%	2,114	2,117	4	0.2%
55.6%	2,114	2,114	0	0.0%
56.8%	2,114	2,114	0	0.0%
58.0%	2,114	2,114	0	0.0%
59.3%	2,114	2,114	0	0.0%
60.5%	2,114	2,114	0	0.0%
61.7%	2,114	2,114	0	0.0%
63.0%	2,114	2,114	0	0.0%
64.2%	2,114	2,114	0	0.0%
65.4%	2,114	2,113	-1	0.0%
66.7%	2,114	2,108	-6	-0.3%
67.9%	2,114	2,101	-13	-0.6%
69.1%	2,111	2,099	-12	-0.6%
70.4%	2,111	2,094	-17	-0.8%
71.6%	2,111	2,083	-29	-1.4%
72.8%	2,109	2,083	-26	-1.2%
74.1%	2,109	2,058	-50	-2.4%
75.3%	2,109	2,053	-56	-2.6%
76.5%	2,101	2,043	-58	-2.8%
77.8%	2,093	2,023	-70	-3.3%
79.0%	2,088	1,934	-154	-7.4%
80.2%	2,083	1,661	-421	-20.2%
81.5%	2,083	1,647	-436	-20.9%
82.7%	2,074	1,642	-432	-20.8%
84.0%	2,067	1,292	-775	-37.5%
85.2%	2,065	1,282	-782	-37.9%
86.4%	2,053	1,219	-834	-40.6%
87.7%	2,048	1,193	-855	-41.7%
88.9%	2,010	1,191	-819	-40.8%
90.1%	1,989	1,176	-814	-40.9%
91.4%	1,930	1,173	-757	-39.2%
92.6%	1,854	1,158	-697	-37.6%
93.8%	1,511	1,156	-356	-23.5%
95.1%	1,496	1,101	-395	-26.4%
96.3%	1,411	774	-637	-45.2%
97.5%	1,364	733	-632	-46.3%
98.8%	1,282	660	-622	-48.5%
100.0%	0	657	657	

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	609	837	227	37.3%
1.2%	607	609	3	0.4%
2.5%	607	607	0	0.0%
3.7%	606	607	1	0.1%
4.9%	605	606	1	0.1%
6.2%	601	605	5	0.8%
7.4%	600	604	4	0.6%
8.6%	599	600	1	0.1%
9.9%	599	599	1	0.1%
11.1%	597	599	2	0.3%
12.3%	597	597	0	0.0%
13.6%	595	597	2	0.4%
14.8%	593	593	0	0.0%
16.0%	592	592	0	0.0%
17.3%	591	591	0	0.0%
18.5%	591	591	0	0.0%
19.8%	590	590	0	0.0%
21.0%	590	590	0	-0.1%
22.2%	590	589	-1	-0.2%
23.5%	590	588	-2	-0.3%
24.7%	590	587	-3	-0.5%
25.9%	589	586	-2	-0.4%
27.2%	588	586	-1	-0.2%
28.4%	588	585	-3	-0.5%
29.6%	587	583	-4	-0.7%
30.9%	586	582	-4	-0.7%
32.1%	586	581	-5	-0.9%
33.3%	585	580	-5	-0.9%
34.6%	585	577	-8	-1.4%
35.8%	585	576	-8	-1.4%
37.0%	584	576	-8	-1.4%
38.3%	583	575	-9	-1.5%
39.5%	583	573	-10	-1.6%
40.7%	581	572	-8	-1.4%
42.0%	580	572	-8	-1.4%
43.2%	578	571	-7	-1.2%
44.4%	578	571	-7	-1.3%
45.7%	578	570	-8	-1.4%
46.9%	577	567	-10	-1.8%
48.1%	577	564	-12	-2.1%
49.4%	576	564	-12	-2.2%
50.6%	576	563	-12	-2.2%
51.9%	575	563	-13	-2.2%
53.1%	575	562	-13	-2.2%
54.3%	573	560	-13	-2.3%
55.6%	572	551	-21	-3.7%
56.8%	572	548	-24	-4.2%
58.0%	571	547	-25	-4.3%
59.3%	571	547	-25	-4.4%
60.5%	571	547	-24	-4.3%
61.7%	570	546	-24	-4.2%
63.0%	568	541	-27	-4.7%
64.2%	563	535	-29	-5.1%
65.4%	563	531	-31	-5.6%
66.7%	561	527	-34	-6.0%
67.9%	561	524	-37	-6.6%
69.1%	560	523	-37	-6.7%
70.4%	558	516	-42	-7.5%
71.6%	550	515	-35	-6.3%
72.8%	546	513	-32	-5.9%
74.1%	543	511	-32	-5.8%
75.3%	537	506	-31	-5.8%
76.5%	535	503	-32	-6.0%
77.8%	535	502	-33	-6.1%
79.0%	532	498	-34	-6.4%
80.2%	532	494	-38	-7.1%
81.5%	530	489	-41	-7.6%
82.7%	528	489	-40	-7.5%
84.0%	528	460	-69	-13.0%
85.2%	528	442	-86	-16.3%
86.4%	516	441	-76	-14.6%
87.7%	509	435	-74	-14.5%
88.9%	498	404	-93	-18.8%
90.1%	461	388	-74	-16.0%
91.4%	460	386	-74	-16.0%
92.6%	442	379	-62	-14.1%
93.8%	441	379	-62	-14.0%
95.1%	404	378	-27	-6.6%
96.3%	378	357	-21	-5.5%
97.5%	336	346	10	2.9%
98.8%	327	327	0	0.0%
100.0%	325	304	-21	-6.6%

Figure OP-03-b
Delevan Intake and Pipeline, Monthly Diversion
Probability of Exceedance

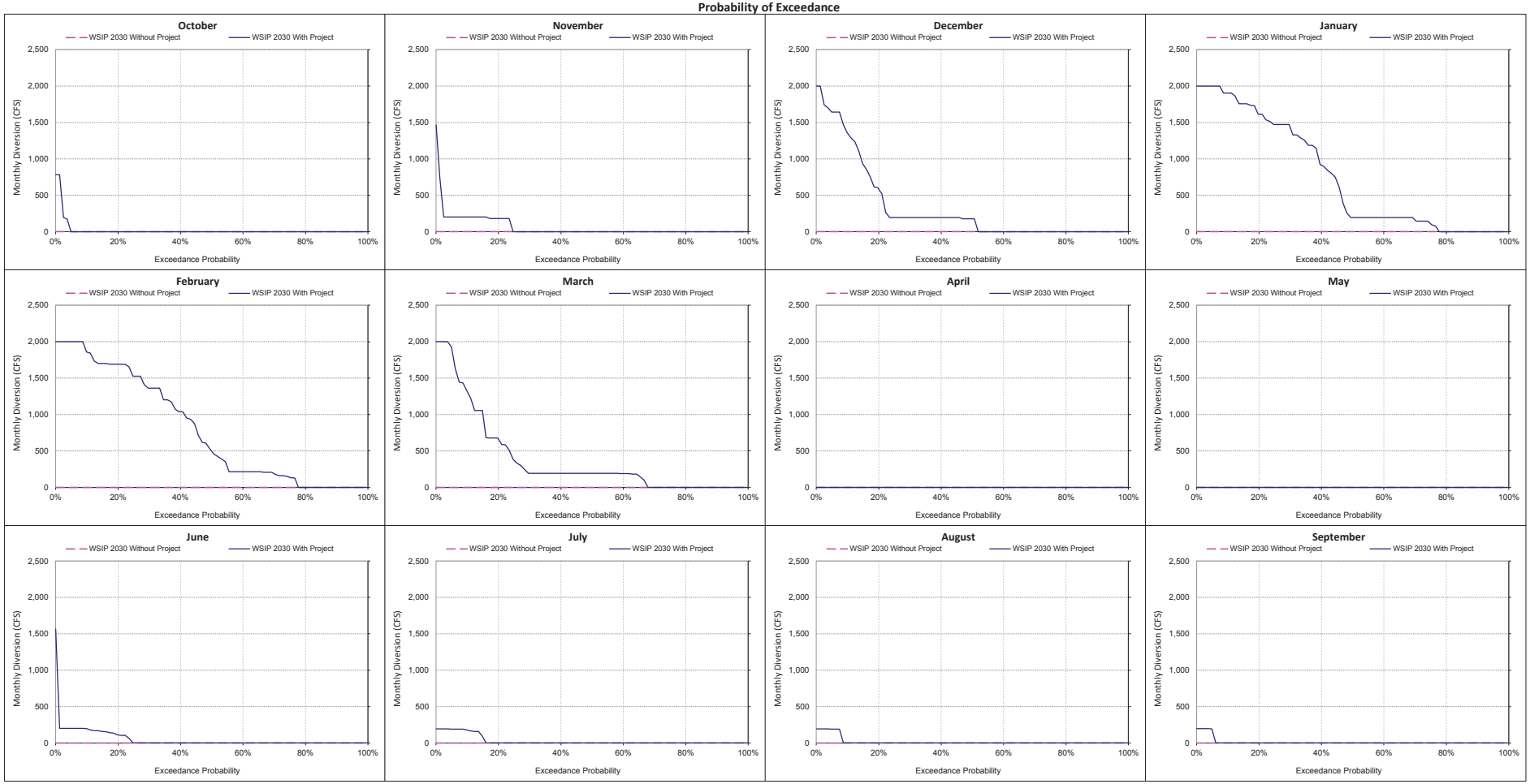


Table OP-03-b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	784	784	
1.2%	0	784	784	
2.5%	0	194	194	
3.7%	0	174	174	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,463	1,463	
1.2%	0	748	748	
2.5%	0	200	200	
3.7%	0	200	200	
4.9%	0	200	200	
6.2%	0	200	200	
7.4%	0	200	200	
8.6%	0	200	200	
9.9%	0	200	200	
11.1%	0	200	200	
12.3%	0	200	200	
13.6%	0	200	200	
14.8%	0	200	200	
16.0%	0	200	200	
17.3%	0	179	179	
18.5%	0	179	179	
19.8%	0	179	179	
21.0%	0	179	179	
22.2%	0	179	179	
23.5%	0	179	179	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	1,743	1,743	
3.7%	0	1,704	1,704	
4.9%	0	1,644	1,644	
6.2%	0	1,644	1,644	
7.4%	0	1,644	1,644	
8.6%	0	1,467	1,467	
9.9%	0	1,358	1,358	
11.1%	0	1,289	1,289	
12.3%	0	1,238	1,238	
13.6%	0	1,111	1,111	
14.8%	0	933	933	
16.0%	0	856	856	
17.3%	0	756	756	
18.5%	0	614	614	
19.8%	0	602	602	
21.0%	0	519	519	
22.2%	0	263	263	
23.5%	0	194	194	
24.7%	0	194	194	
25.9%	0	194	194	
27.2%	0	194	194	
28.4%	0	194	194	
29.6%	0	194	194	
30.9%	0	194	194	
32.1%	0	194	194	
33.3%	0	194	194	
34.6%	0	194	194	
35.8%	0	194	194	
37.0%	0	194	194	
38.3%	0	194	194	
39.5%	0	194	194	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	194	194	
44.4%	0	194	194	
45.7%	0	194	194	
46.9%	0	178	178	
48.1%	0	178	178	
49.4%	0	178	178	
50.6%	0	178	178	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	2,000	2,000	
6.2%	0	2,000	2,000	
7.4%	0	2,000	2,000	
8.6%	0	1,902	1,902	
9.9%	0	1,902	1,902	
11.1%	0	1,902	1,902	
12.3%	0	1,864	1,864	
13.6%	0	1,758	1,758	
14.8%	0	1,758	1,758	
16.0%	0	1,758	1,758	
17.3%	0	1,736	1,736	
18.5%	0	1,728	1,728	
19.8%	0	1,615	1,615	
21.0%	0	1,615	1,615	
22.2%	0	1,536	1,536	
23.5%	0	1,516	1,516	
24.7%	0	1,471	1,471	
25.9%	0	1,471	1,471	
27.2%	0	1,471	1,471	
28.4%	0	1,471	1,471	
29.6%	0	1,471	1,471	
30.9%	0	1,328	1,328	
32.1%	0	1,328	1,328	
33.3%	0	1,286	1,286	
34.6%	0	1,257	1,257	
35.8%	0	1,185	1,185	
37.0%	0	1,185	1,185	
38.3%	0	1,147	1,147	
39.5%	0	925	925	
40.7%	0	898	898	
42.0%	0	844	844	
43.2%	0	800	800	
44.4%	0	746	746	
45.7%	0	608	608	
46.9%	0	391	391	
48.1%	0	257	257	
49.4%	0	194	194	
50.6%	0	194	194	
51.9%	0	194	194	
53.1%	0	194	194	
54.3%	0	194	194	
55.6%	0	194	194	
56.8%	0	194	194	
58.0%	0	194	194	
59.3%	0	194	194	
60.5%	0	194	194	
61.7%	0	194	194	
63.0%	0	194	194	
64.2%	0	194	194	
65.4%	0	194	194	
66.7%	0	194	194	
67.9%	0	194	194	
69.1%	0	194	194	
70.4%	0	143	143	
71.6%	0	143	143	
72.8%	0	143	143	
74.1%	0	143	143	
75.3%	0	96	96	
76.5%	0	78	78	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-03-b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	2,000	2,000	
6.2%	0	2,000	2,000	
7.4%	0	2,000	2,000	
8.6%	0	2,000	2,000	
9.9%	0	1,857	1,857	
11.1%	0	1,843	1,843	
12.3%	0	1,735	1,735	
13.6%	0	1,701	1,701	
14.8%	0	1,701	1,701	
16.0%	0	1,701	1,701	
17.3%	0	1,689	1,689	
18.5%	0	1,689	1,689	
19.8%	0	1,689	1,689	
21.0%	0	1,689	1,689	
22.2%	0	1,689	1,689	
23.5%	0	1,654	1,654	
24.7%	0	1,527	1,527	
25.9%	0	1,527	1,527	
27.2%	0	1,527	1,527	
28.4%	0	1,407	1,407	
29.6%	0	1,364	1,364	
30.9%	0	1,364	1,364	
32.1%	0	1,364	1,364	
33.3%	0	1,364	1,364	
34.6%	0	1,202	1,202	
35.8%	0	1,202	1,202	
37.0%	0	1,174	1,174	
38.3%	0	1,075	1,075	
39.5%	0	1,039	1,039	
40.7%	0	1,039	1,039	
42.0%	0	954	954	
43.2%	0	936	936	
44.4%	0	877	877	
45.7%	0	714	714	
46.9%	0	617	617	
48.1%	0	606	606	
49.4%	0	530	530	
50.6%	0	462	462	
51.9%	0	425	425	
53.1%	0	389	389	
54.3%	0	354	354	
55.6%	0	214	214	
56.8%	0	214	214	
58.0%	0	214	214	
59.3%	0	214	214	
60.5%	0	214	214	
61.7%	0	214	214	
63.0%	0	214	214	
64.2%	0	214	214	
65.4%	0	214	214	
66.7%	0	208	208	
67.9%	0	207	207	
69.1%	0	207	207	
70.4%	0	177	177	
71.6%	0	163	163	
72.8%	0	163	163	
74.1%	0	150	150	
75.3%	0	131	131	
76.5%	0	128	128	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	1,924	1,924	
6.2%	0	1,622	1,622	
7.4%	0	1,445	1,445	
8.6%	0	1,434	1,434	
9.9%	0	1,327	1,327	
11.1%	0	1,225	1,225	
12.3%	0	1,056	1,056	
13.6%	0	1,056	1,056	
14.8%	0	1,056	1,056	
16.0%	0	683	683	
17.3%	0	679	679	
18.5%	0	679	679	
19.8%	0	679	679	
21.0%	0	588	588	
22.2%	0	587	587	
23.5%	0	510	510	
24.7%	0	387	387	
25.9%	0	331	331	
27.2%	0	301	301	
28.4%	0	244	244	
29.6%	0	194	194	
30.9%	0	194	194	
32.1%	0	194	194	
33.3%	0	194	194	
34.6%	0	194	194	
35.8%	0	194	194	
37.0%	0	194	194	
38.3%	0	194	194	
39.5%	0	194	194	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	194	194	
44.4%	0	194	194	
45.7%	0	194	194	
46.9%	0	194	194	
48.1%	0	194	194	
49.4%	0	194	194	
50.6%	0	194	194	
51.9%	0	194	194	
53.1%	0	194	194	
54.3%	0	194	194	
55.6%	0	194	194	
56.8%	0	194	194	
58.0%	0	194	194	
59.3%	0	189	189	
60.5%	0	189	189	
61.7%	0	189	189	
63.0%	0	184	184	
64.2%	0	181	181	
65.4%	0	141	141	
66.7%	0	99	99	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-03-b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,564	1,564	
1.2%	0	200	200	
2.5%	0	200	200	
3.7%	0	200	200	
4.9%	0	200	200	
6.2%	0	200	200	
7.4%	0	200	200	
8.6%	0	200	200	
9.9%	0	197	197	
11.1%	0	179	179	
12.3%	0	170	170	
13.6%	0	168	168	
14.8%	0	157	157	
16.0%	0	155	155	
17.3%	0	141	141	
18.5%	0	137	137	
19.8%	0	111	111	
21.0%	0	104	104	
22.2%	0	104	104	
23.5%	0	67	67	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	194	194	
1.2%	0	194	194	
2.5%	0	194	194	
3.7%	0	194	194	
4.9%	0	190	190	
6.2%	0	190	190	
7.4%	0	190	190	
8.6%	0	190	190	
9.9%	0	181	181	
11.1%	0	167	167	
12.3%	0	160	160	
13.6%	0	157	157	
14.8%	0	92	92	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	194	194	
1.2%	0	194	194	
2.5%	0	194	194	
3.7%	0	194	194	
4.9%	0	190	190	
6.2%	0	190	190	
7.4%	0	190	190	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	197	197	
1.2%	0	197	197	
2.5%	0	197	197	
3.7%	0	197	197	
4.9%	0	196	196	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure OP-04-b
Funks Reservoir to Sites Reservoir, Monthly Diversion
Probability of Exceedance

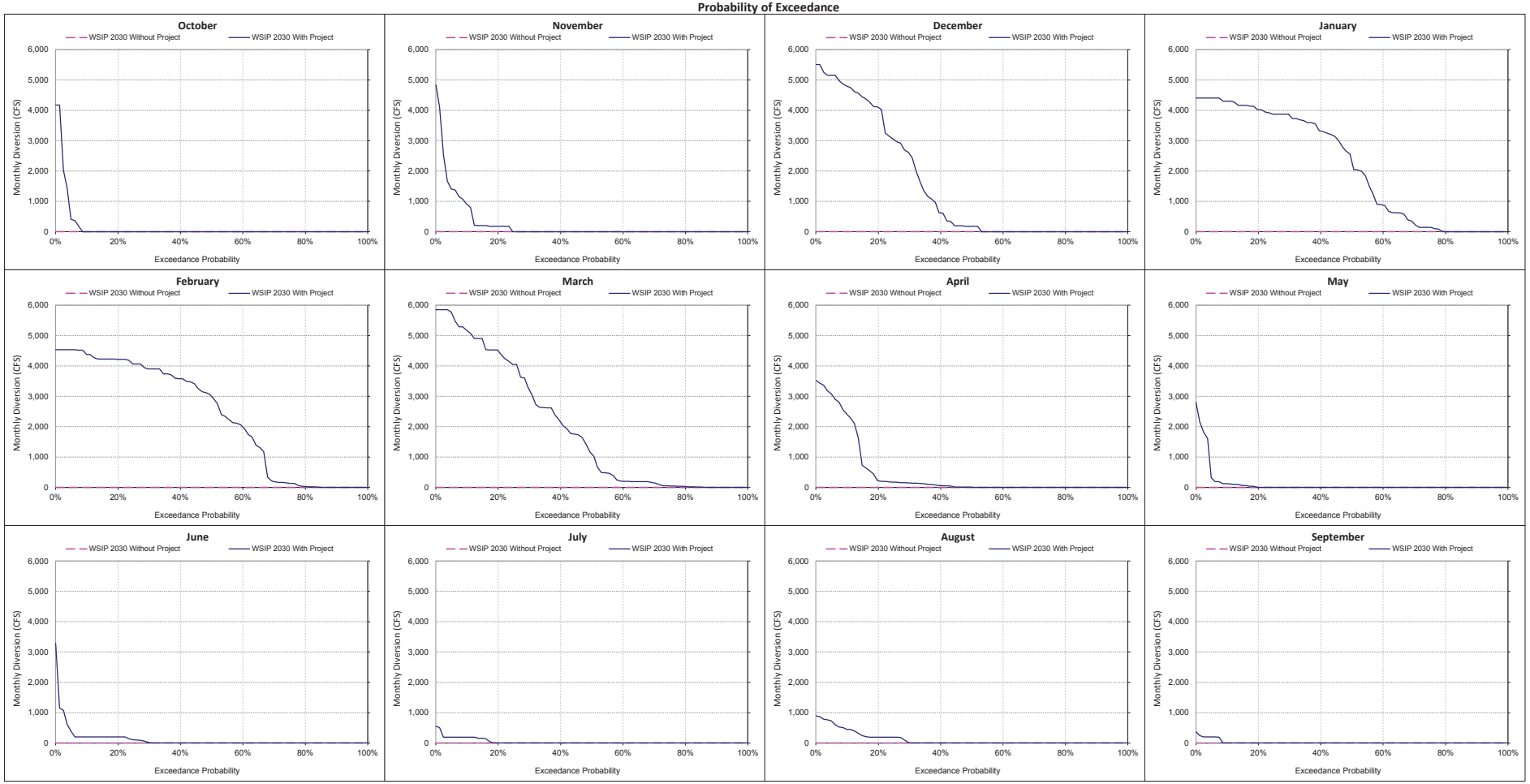


Table OP-04-b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,171	4,171	
1.2%	0	4,171	4,171	
2.5%	0	2,013	2,013	
3.7%	0	1,441	1,441	
4.9%	0	411	411	
6.2%	0	363	363	
7.4%	0	174	174	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,829	4,829	
1.2%	0	4,114	4,114	
2.5%	0	2,539	2,539	
3.7%	0	1,664	1,664	
4.9%	0	1,408	1,408	
6.2%	0	1,374	1,374	
7.4%	0	1,153	1,153	
8.6%	0	1,074	1,074	
9.9%	0	909	909	
11.1%	0	798	798	
12.3%	0	214	214	
13.6%	0	200	200	
14.8%	0	200	200	
16.0%	0	200	200	
17.3%	0	179	179	
18.5%	0	179	179	
19.8%	0	179	179	
21.0%	0	179	179	
22.2%	0	179	179	
23.5%	0	179	179	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,511	5,511	
1.2%	0	5,511	5,511	
2.5%	0	5,254	5,254	
3.7%	0	5,155	5,155	
4.9%	0	5,155	5,155	
6.2%	0	5,155	5,155	
7.4%	0	4,978	4,978	
8.6%	0	4,869	4,869	
9.9%	0	4,800	4,800	
11.1%	0	4,749	4,749	
12.3%	0	4,622	4,622	
13.6%	0	4,571	4,571	
14.8%	0	4,444	4,444	
16.0%	0	4,367	4,367	
17.3%	0	4,267	4,267	
18.5%	0	4,125	4,125	
19.8%	0	4,113	4,113	
21.0%	0	4,030	4,030	
22.2%	0	3,250	3,250	
23.5%	0	3,149	3,149	
24.7%	0	3,061	3,061	
25.9%	0	2,965	2,965	
27.2%	0	2,918	2,918	
28.4%	0	2,695	2,695	
29.6%	0	2,614	2,614	
30.9%	0	2,431	2,431	
32.1%	0	2,013	2,013	
33.3%	0	1,665	1,665	
34.6%	0	1,357	1,357	
35.8%	0	1,168	1,168	
37.0%	0	1,078	1,078	
38.3%	0	962	962	
39.5%	0	619	619	
40.7%	0	616	616	
42.0%	0	357	357	
43.2%	0	336	336	
44.4%	0	194	194	
45.7%	0	194	194	
46.9%	0	194	194	
48.1%	0	178	178	
49.4%	0	178	178	
50.6%	0	178	178	
51.9%	0	178	178	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,403	4,403	
1.2%	0	4,403	4,403	
2.5%	0	4,403	4,403	
3.7%	0	4,403	4,403	
4.9%	0	4,403	4,403	
6.2%	0	4,403	4,403	
7.4%	0	4,403	4,403	
8.6%	0	4,305	4,305	
9.9%	0	4,305	4,305	
11.1%	0	4,305	4,305	
12.3%	0	4,267	4,267	
13.6%	0	4,161	4,161	
14.8%	0	4,161	4,161	
16.0%	0	4,161	4,161	
17.3%	0	4,139	4,139	
18.5%	0	4,131	4,131	
19.8%	0	4,018	4,018	
21.0%	0	4,018	4,018	
22.2%	0	3,939	3,939	
23.5%	0	3,919	3,919	
24.7%	0	3,874	3,874	
25.9%	0	3,874	3,874	
27.2%	0	3,874	3,874	
28.4%	0	3,874	3,874	
29.6%	0	3,874	3,874	
30.9%	0	3,731	3,731	
32.1%	0	3,731	3,731	
33.3%	0	3,688	3,688	
34.6%	0	3,660	3,660	
35.8%	0	3,587	3,587	
37.0%	0	3,587	3,587	
38.3%	0	3,549	3,549	
39.5%	0	3,327	3,327	
40.7%	0	3,300	3,300	
42.0%	0	3,247	3,247	
43.2%	0	3,203	3,203	
44.4%	0	3,149	3,149	
45.7%	0	3,011	3,011	
46.9%	0	2,794	2,794	
48.1%	0	2,660	2,660	
49.4%	0	2,556	2,556	
50.6%	0	2,038	2,038	
51.9%	0	2,032	2,032	
53.1%	0	1,994	1,994	
54.3%	0	1,840	1,840	
55.6%	0	1,512	1,512	
56.8%	0	1,240	1,240	
58.0%	0	906	906	
59.3%	0	899	899	
60.5%	0	858	858	
61.7%	0	668	668	
63.0%	0	633	633	
64.2%	0	624	624	
65.4%	0	623	623	
66.7%	0	580	580	
67.9%	0	392	392	
69.1%	0	348	348	
70.4%	0	219	219	
71.6%	0	143	143	
72.8%	0	143	143	
74.1%	0	143	143	
75.3%	0	143	143	
76.5%	0	96	96	
77.8%	0	78	78	
79.0%	0	6	6	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,536	4,536	
1.2%	0	4,536	4,536	
2.5%	0	4,536	4,536	
3.7%	0	4,536	4,536	
4.9%	0	4,536	4,536	
6.2%	0	4,536	4,536	
7.4%	0	4,521	4,521	
8.6%	0	4,521	4,521	
9.9%	0	4,379	4,379	
11.1%	0	4,378	4,378	
12.3%	0	4,271	4,271	
13.6%	0	4,225	4,225	
14.8%	0	4,225	4,225	
16.0%	0	4,225	4,225	
17.3%	0	4,225	4,225	
18.5%	0	4,225	4,225	
19.8%	0	4,222	4,222	
21.0%	0	4,222	4,222	
22.2%	0	4,222	4,222	
23.5%	0	4,190	4,190	
24.7%	0	4,063	4,063	
25.9%	0	4,063	4,063	
27.2%	0	4,063	4,063	
28.4%	0	3,943	3,943	
29.6%	0	3,900	3,900	
30.9%	0	3,900	3,900	
32.1%	0	3,900	3,900	
33.3%	0	3,900	3,900	
34.6%	0	3,738	3,738	
35.8%	0	3,738	3,738	
37.0%	0	3,710	3,710	
38.3%	0	3,596	3,596	
39.5%	0	3,575	3,575	
40.7%	0	3,575	3,575	
42.0%	0	3,490	3,490	
43.2%	0	3,472	3,472	
44.4%	0	3,413	3,413	
45.7%	0	3,250	3,250	
46.9%	0	3,153	3,153	
48.1%	0	3,127	3,127	
49.4%	0	3,066	3,066	
50.6%	0	2,925	2,925	
51.9%	0	2,747	2,747	
53.1%	0	2,398	2,398	
54.3%	0	2,338	2,338	
55.6%	0	2,234	2,234	
56.8%	0	2,130	2,130	
58.0%	0	2,114	2,114	
59.3%	0	2,066	2,066	
60.5%	0	1,932	1,932	
61.7%	0	1,734	1,734	
63.0%	0	1,657	1,657	
64.2%	0	1,394	1,394	
65.4%	0	1,311	1,311	
66.7%	0	1,170	1,170	
67.9%	0	331	331	
69.1%	0	214	214	
70.4%	0	177	177	
71.6%	0	163	163	
72.8%	0	163	163	
74.1%	0	150	150	
75.3%	0	131	131	
76.5%	0	128	128	
77.8%	0	64	64	
79.0%	0	35	35	
80.2%	0	26	26	
81.5%	0	18	18	
82.7%	0	18	18	
84.0%	0	9	9	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,852	5,852	
1.2%	0	5,852	5,852	
2.5%	0	5,852	5,852	
3.7%	0	5,852	5,852	
4.9%	0	5,776	5,776	
6.2%	0	5,474	5,474	
7.4%	0	5,286	5,286	
8.6%	0	5,286	5,286	
9.9%	0	5,179	5,179	
11.1%	0	5,077	5,077	
12.3%	0	4,908	4,908	
13.6%	0	4,908	4,908	
14.8%	0	4,908	4,908	
16.0%	0	4,535	4,535	
17.3%	0	4,531	4,531	
18.5%	0	4,531	4,531	
19.8%	0	4,531	4,531	
21.0%	0	4,362	4,362	
22.2%	0	4,239	4,239	
23.5%	0	4,153	4,153	
24.7%	0	4,050	4,050	
25.9%	0	4,046	4,046	
27.2%	0	3,630	3,630	
28.4%	0	3,603	3,603	
29.6%	0	3,287	3,287	
30.9%	0	3,037	3,037	
32.1%	0	2,726	2,726	
33.3%	0	2,639	2,639	
34.6%	0	2,630	2,630	
35.8%	0	2,619	2,619	
37.0%	0	2,616	2,616	
38.3%	0	2,377	2,377	
39.5%	0	2,227	2,227	
40.7%	0	2,034	2,034	
42.0%	0	1,935	1,935	
43.2%	0	1,773	1,773	
44.4%	0	1,751	1,751	
45.7%	0	1,729	1,729	
46.9%	0	1,641	1,641	
48.1%	0	1,418	1,418	
49.4%	0	1,169	1,169	
50.6%	0	1,027	1,027	
51.9%	0	662	662	
53.1%	0	488	488	
54.3%	0	478	478	
55.6%	0	465	465	
56.8%	0	396	396	
58.0%	0	243	243	
59.3%	0	203	203	
60.5%	0	196	196	
61.7%	0	194	194	
63.0%	0	189	189	
64.2%	0	189	189	
65.4%	0	189	189	
66.7%	0	189	189	
67.9%	0	189	189	
69.1%	0	161	161	
70.4%	0	141	141	
71.6%	0	99	99	
72.8%	0	56	56	
74.1%	0	51	51	
75.3%	0	47	47	
76.5%	0	44	44	
77.8%	0	35	35	
79.0%	0	32	32	
80.2%	0	25	25	
81.5%	0	16	16	
82.7%	0	15	15	
84.0%	0	8	8	
85.2%	0	8	8	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,527	3,527	
1.2%	0	3,431	3,431	
2.5%	0	3,362	3,362	
3.7%	0	3,181	3,181	
4.9%	0	3,078	3,078	
6.2%	0	2,903	2,903	
7.4%	0	2,805	2,805	
8.6%	0	2,558	2,558	
9.9%	0	2,416	2,416	
11.1%	0	2,290	2,290	
12.3%	0	2,109	2,109	
13.6%	0	1,633	1,633	
14.8%	0	728	728	
16.0%	0	634	634	
17.3%	0	546	546	
18.5%	0	441	441	
19.8%	0	221	221	
21.0%	0	197	197	
22.2%	0	197	197	
23.5%	0	178	178	
24.7%	0	173	173	
25.9%	0	168	168	
27.2%	0	159	159	
28.4%	0	151	151	
29.6%	0	148	148	
30.9%	0	135	135	
32.1%	0	134	134	
33.3%	0	126	126	
34.6%	0	117	117	
35.8%	0	105	105	
37.0%	0	92	92	
38.3%	0	74	74	
39.5%	0	65	65	
40.7%	0	51	51	
42.0%	0	49	49	
43.2%	0	43	43	
44.4%	0	8	8	
45.7%	0	8	8	
46.9%	0	8	8	
48.1%	0	8	8	
49.4%	0	6	6	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,813	2,813	
1.2%	0	2,148	2,148	
2.5%	0	1,814	1,814	
3.7%	0	1,613	1,613	
4.9%	0	319	319	
6.2%	0	190	190	
7.4%	0	190	190	
8.6%	0	122	122	
9.9%	0	120	120	
11.1%	0	108	108	
12.3%	0	94	94	
13.6%	0	94	94	
14.8%	0	64	64	
16.0%	0	62	62	
17.3%	0	36	36	
18.5%	0	36	36	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,282	3,282	
1.2%	0	1,149	1,149	
2.5%	0	1,071	1,071	
3.7%	0	622	622	
4.9%	0	388	388	
6.2%	0	200	200	
7.4%	0	200	200	
8.6%	0	200	200	
9.9%	0	200	200	
11.1%	0	197	197	
12.3%	0	197	197	
13.6%	0	197	197	
14.8%	0	197	197	
16.0%	0	197	197	
17.3%	0	197	197	
18.5%	0	197	197	
19.8%	0	197	197	
21.0%	0	197	197	
22.2%	0	197	197	
23.5%	0	141	141	
24.7%	0	102	102	
25.9%	0	100	100	
27.2%	0	87	87	
28.4%	0	67	67	
29.6%	0	16	16	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	548	548	
1.2%	0	508	508	
2.5%	0	194	194	
3.7%	0	194	194	
4.9%	0	190	190	
6.2%	0	190	190	
7.4%	0	190	190	
8.6%	0	190	190	
9.9%	0	190	190	
11.1%	0	190	190	
12.3%	0	190	190	
13.6%	0	160	160	
14.8%	0	158	158	
16.0%	0	141	141	
17.3%	0	44	44	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	892	892	
1.2%	0	869	869	
2.5%	0	783	783	
3.7%	0	765	765	
4.9%	0	734	734	
6.2%	0	604	604	
7.4%	0	522	522	
8.6%	0	511	511	
9.9%	0	448	448	
11.1%	0	448	448	
12.3%	0	398	398	
13.6%	0	318	318	
14.8%	0	247	247	
16.0%	0	207	207	
17.3%	0	194	194	
18.5%	0	190	190	
19.8%	0	190	190	
21.0%	0	190	190	
22.2%	0	190	190	
23.5%	0	190	190	
24.7%	0	190	190	
25.9%	0	190	190	
27.2%	0	183	183	
28.4%	0	96	96	
29.6%	0	9	9	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	368	368	
1.2%	0	241	241	
2.5%	0	197	197	
3.7%	0	197	197	
4.9%	0	197	197	
6.2%	0	197	197	
7.4%	0	193	193	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure OP-05-b
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Probability of Exceedance

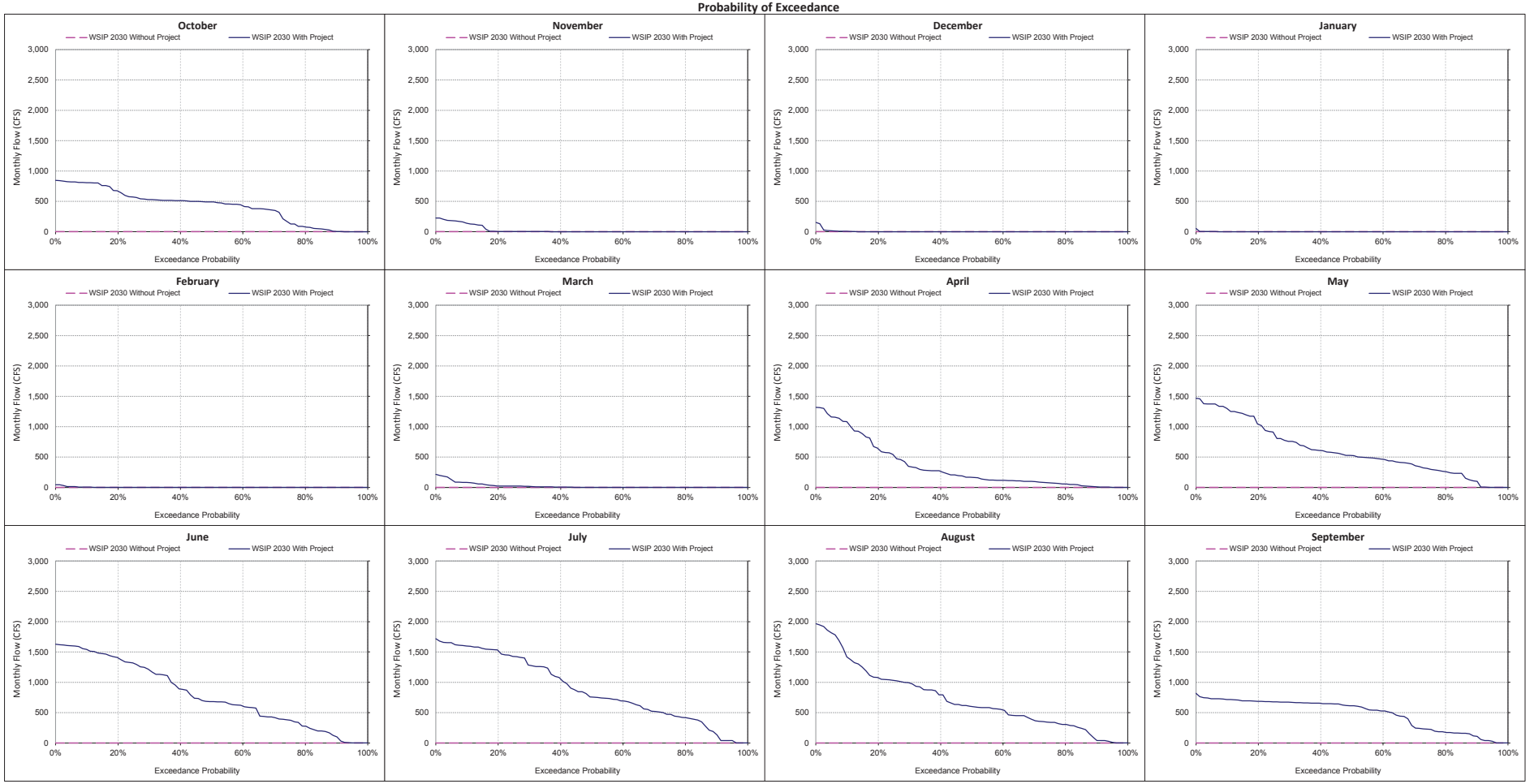


Table OP-05-b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	844	844	
1.2%	0	839	839	
2.5%	0	834	834	
3.7%	0	825	825	
4.9%	0	821	821	
6.2%	0	818	818	
7.4%	0	810	810	
8.6%	0	810	810	
9.9%	0	807	807	
11.1%	0	806	806	
12.3%	0	805	805	
13.6%	0	801	801	
14.8%	0	762	762	
16.0%	0	761	761	
17.3%	0	741	741	
18.5%	0	680	680	
19.8%	0	674	674	
21.0%	0	641	641	
22.2%	0	597	597	
23.5%	0	577	577	
24.7%	0	572	572	
25.9%	0	564	564	
27.2%	0	541	541	
28.4%	0	536	536	
29.6%	0	529	529	
30.9%	0	527	527	
32.1%	0	526	526	
33.3%	0	520	520	
34.6%	0	517	517	
35.8%	0	517	517	
37.0%	0	516	516	
38.3%	0	512	512	
39.5%	0	512	512	
40.7%	0	512	512	
42.0%	0	509	509	
43.2%	0	498	498	
44.4%	0	497	497	
45.7%	0	497	497	
46.9%	0	495	495	
48.1%	0	491	491	
49.4%	0	490	490	
50.6%	0	488	488	
51.9%	0	479	479	
53.1%	0	472	472	
54.3%	0	456	456	
55.6%	0	454	454	
56.8%	0	453	453	
58.0%	0	451	451	
59.3%	0	444	444	
60.5%	0	411	411	
61.7%	0	410	410	
63.0%	0	379	379	
64.2%	0	377	377	
65.4%	0	377	377	
66.7%	0	374	374	
67.9%	0	364	364	
69.1%	0	356	356	
70.4%	0	351	351	
71.6%	0	319	319	
72.8%	0	213	213	
74.1%	0	171	171	
75.3%	0	128	128	
76.5%	0	125	125	
77.8%	0	87	87	
79.0%	0	87	87	
80.2%	0	76	76	
81.5%	0	70	70	
82.7%	0	52	52	
84.0%	0	51	51	
85.2%	0	43	43	
86.4%	0	36	36	
87.7%	0	28	28	
88.9%	0	5	5	
90.1%	0	2	2	
91.4%	0	1	1	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	224	224	
1.2%	0	223	223	
2.5%	0	202	202	
3.7%	0	186	186	
4.9%	0	181	181	
6.2%	0	176	176	
7.4%	0	171	171	
8.6%	0	159	159	
9.9%	0	141	141	
11.1%	0	126	126	
12.3%	0	124	124	
13.6%	0	108	108	
14.8%	0	103	103	
16.0%	0	43	43	
17.3%	0	6	6	
18.5%	0	6	6	
19.8%	0	4	4	
21.0%	0	3	3	
22.2%	0	3	3	
23.5%	0	3	3	
24.7%	0	3	3	
25.9%	0	1	1	
27.2%	0	1	1	
28.4%	0	1	1	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	151	151	
1.2%	0	133	133	
2.5%	0	28	28	
3.7%	0	20	20	
4.9%	0	17	17	
6.2%	0	9	9	
7.4%	0	8	8	
8.6%	0	5	5	
9.9%	0	5	5	
11.1%	0	2	2	
12.3%	0	2	2	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	54	54	
1.2%	0	4	4	
2.5%	0	4	4	
3.7%	0	4	4	
4.9%	0	4	4	
6.2%	0	4	4	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-05-b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	43	43	
1.2%	0	43	43	
2.5%	0	32	32	
3.7%	0	14	14	
4.9%	0	13	13	
6.2%	0	13	13	
7.4%	0	3	3	
8.6%	0	3	3	
9.9%	0	3	3	
11.1%	0	3	3	
12.3%	0	2	2	
13.6%	0	1	1	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	215	215	
1.2%	0	199	199	
2.5%	0	183	183	
3.7%	0	173	173	
4.9%	0	129	129	
6.2%	0	87	87	
7.4%	0	85	85	
8.6%	0	82	82	
9.9%	0	82	82	
11.1%	0	77	77	
12.3%	0	69	69	
13.6%	0	54	54	
14.8%	0	54	54	
16.0%	0	44	44	
17.3%	0	36	36	
18.5%	0	30	30	
19.8%	0	21	21	
21.0%	0	21	21	
22.2%	0	20	20	
23.5%	0	20	20	
24.7%	0	20	20	
25.9%	0	20	20	
27.2%	0	20	20	
28.4%	0	18	18	
29.6%	0	17	17	
30.9%	0	12	12	
32.1%	0	9	9	
33.3%	0	9	9	
34.6%	0	9	9	
35.8%	0	8	8	
37.0%	0	7	7	
38.3%	0	7	7	
39.5%	0	6	6	
40.7%	0	6	6	
42.0%	0	5	5	
43.2%	0	4	4	
44.4%	0	2	2	
45.7%	0	1	1	
46.9%	0	1	1	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,317	1,317	
1.2%	0	1,314	1,314	
2.5%	0	1,303	1,303	
3.7%	0	1,216	1,216	
4.9%	0	1,162	1,162	
6.2%	0	1,156	1,156	
7.4%	0	1,138	1,138	
8.6%	0	1,088	1,088	
9.9%	0	1,084	1,084	
11.1%	0	1,004	1,004	
12.3%	0	928	928	
13.6%	0	925	925	
14.8%	0	885	885	
16.0%	0	832	832	
17.3%	0	815	815	
18.5%	0	670	670	
19.8%	0	647	647	
21.0%	0	587	587	
22.2%	0	574	574	
23.5%	0	571	571	
24.7%	0	546	546	
25.9%	0	471	471	
27.2%	0	460	460	
28.4%	0	425	425	
29.6%	0	346	346	
30.9%	0	334	334	
32.1%	0	325	325	
33.3%	0	296	296	
34.6%	0	284	284	
35.8%	0	279	279	
37.0%	0	276	276	
38.3%	0	274	274	
39.5%	0	274	274	
40.7%	0	248	248	
42.0%	0	227	227	
43.2%	0	205	205	
44.4%	0	204	204	
45.7%	0	194	194	
46.9%	0	188	188	
48.1%	0	168	168	
49.4%	0	168	168	
50.6%	0	162	162	
51.9%	0	157	157	
53.1%	0	137	137	
54.3%	0	128	128	
55.6%	0	119	119	
56.8%	0	119	119	
58.0%	0	118	118	
59.3%	0	117	117	
60.5%	0	117	117	
61.7%	0	114	114	
63.0%	0	113	113	
64.2%	0	108	108	
65.4%	0	106	106	
66.7%	0	98	98	
67.9%	0	98	98	
69.1%	0	97	97	
70.4%	0	93	93	
71.6%	0	86	86	
72.8%	0	82	82	
74.1%	0	78	78	
75.3%	0	73	73	
76.5%	0	69	69	
77.8%	0	63	63	
79.0%	0	57	57	
80.2%	0	54	54	
81.5%	0	48	48	
82.7%	0	47	47	
84.0%	0	44	44	
85.2%	0	27	27	
86.4%	0	21	21	
87.7%	0	16	16	
88.9%	0	14	14	
90.1%	0	11	11	
91.4%	0	6	6	
92.6%	0	6	6	
93.8%	0	6	6	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,467	1,467	
1.2%	0	1,458	1,458	
2.5%	0	1,379	1,379	
3.7%	0	1,374	1,374	
4.9%	0	1,372	1,372	
6.2%	0	1,372	1,372	
7.4%	0	1,336	1,336	
8.6%	0	1,335	1,335	
9.9%	0	1,300	1,300	
11.1%	0	1,252	1,252	
12.3%	0	1,248	1,248	
13.6%	0	1,233	1,233	
14.8%	0	1,220	1,220	
16.0%	0	1,196	1,196	
17.3%	0	1,174	1,174	
18.5%	0	1,174	1,174	
19.8%	0	1,043	1,043	
21.0%	0	1,019	1,019	
22.2%	0	936	936	
23.5%	0	920	920	
24.7%	0	913	913	
25.9%	0	804	804	
27.2%	0	803	803	
28.4%	0	773	773	
29.6%	0	759	759	
30.9%	0	758	758	
32.1%	0	739	739	
33.3%	0	694	694	
34.6%	0	687	687	
35.8%	0	649	649	
37.0%	0	622	622	
38.3%	0	615	615	
39.5%	0	608	608	
40.7%	0	603	603	
42.0%	0	584	584	
43.2%	0	579	579	
44.4%	0	571	571	
45.7%	0	563	563	
46.9%	0	545	545	
48.1%	0	528	528	
49.4%	0	526	526	
50.6%	0	522	522	
51.9%	0	500	500	
53.1%	0	495	495	
54.3%	0	494	494	
55.6%	0	488	488	
56.8%	0	484	484	
58.0%	0	475	475	
59.3%	0	468	468	
60.5%	0	460	460	
61.7%	0	437	437	
63.0%	0	435	435	
64.2%	0	422	422	
65.4%	0	412	412	
66.7%	0	406	406	
67.9%	0	399	399	
69.1%	0	387	387	
70.4%	0	356	356	
71.6%	0	342	342	
72.8%	0	323	323	
74.1%	0	311	311	
75.3%	0	296	296	
76.5%	0	289	289	
77.8%	0	277	277	
79.0%	0	267	267	
80.2%	0	257	257	
81.5%	0	241	241	
82.7%	0	233	233	
84.0%	0	232	232	
85.2%	0	230	230	
86.4%	0	151	151	
87.7%	0	126	126	
88.9%	0	106	106	
90.1%	0	99	99	
91.4%	0	5	5	
92.6%	0	3	3	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-05-b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,629	1,629	
1.2%	0	1,621	1,621	
2.5%	0	1,615	1,615	
3.7%	0	1,608	1,608	
4.9%	0	1,603	1,603	
6.2%	0	1,597	1,597	
7.4%	0	1,592	1,592	
8.6%	0	1,556	1,556	
9.9%	0	1,543	1,543	
11.1%	0	1,513	1,513	
12.3%	0	1,507	1,507	
13.6%	0	1,485	1,485	
14.8%	0	1,473	1,473	
16.0%	0	1,465	1,465	
17.3%	0	1,440	1,440	
18.5%	0	1,422	1,422	
19.8%	0	1,409	1,409	
21.0%	0	1,373	1,373	
22.2%	0	1,338	1,338	
23.5%	0	1,330	1,330	
24.7%	0	1,322	1,322	
25.9%	0	1,296	1,296	
27.2%	0	1,255	1,255	
28.4%	0	1,246	1,246	
29.6%	0	1,218	1,218	
30.9%	0	1,169	1,169	
32.1%	0	1,131	1,131	
33.3%	0	1,131	1,131	
34.6%	0	1,125	1,125	
35.8%	0	1,111	1,111	
37.0%	0	1,000	1,000	
38.3%	0	957	957	
39.5%	0	893	893	
40.7%	0	885	885	
42.0%	0	869	869	
43.2%	0	792	792	
44.4%	0	739	739	
45.7%	0	732	732	
46.9%	0	698	698	
48.1%	0	686	686	
49.4%	0	684	684	
50.6%	0	681	681	
51.9%	0	680	680	
53.1%	0	678	678	
54.3%	0	675	675	
55.6%	0	647	647	
56.8%	0	631	631	
58.0%	0	625	625	
59.3%	0	624	624	
60.5%	0	597	597	
61.7%	0	589	589	
63.0%	0	586	586	
64.2%	0	576	576	
65.4%	0	443	443	
66.7%	0	437	437	
67.9%	0	431	431	
69.1%	0	428	428	
70.4%	0	417	417	
71.6%	0	397	397	
72.8%	0	390	390	
74.1%	0	383	383	
75.3%	0	372	372	
76.5%	0	350	350	
77.8%	0	340	340	
79.0%	0	281	281	
80.2%	0	276	276	
81.5%	0	244	244	
82.7%	0	221	221	
84.0%	0	199	199	
85.2%	0	198	198	
86.4%	0	191	191	
87.7%	0	171	171	
88.9%	0	128	128	
90.1%	0	99	99	
91.4%	0	31	31	
92.6%	0	11	11	
93.8%	0	6	6	
95.1%	0	2	2	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,718	1,718	
1.2%	0	1,678	1,678	
2.5%	0	1,658	1,658	
3.7%	0	1,654	1,654	
4.9%	0	1,653	1,653	
6.2%	0	1,620	1,620	
7.4%	0	1,612	1,612	
8.6%	0	1,609	1,609	
9.9%	0	1,600	1,600	
11.1%	0	1,593	1,593	
12.3%	0	1,583	1,583	
13.6%	0	1,582	1,582	
14.8%	0	1,558	1,558	
16.0%	0	1,548	1,548	
17.3%	0	1,542	1,542	
18.5%	0	1,540	1,540	
19.8%	0	1,534	1,534	
21.0%	0	1,466	1,466	
22.2%	0	1,454	1,454	
23.5%	0	1,448	1,448	
24.7%	0	1,429	1,429	
25.9%	0	1,424	1,424	
27.2%	0	1,412	1,412	
28.4%	0	1,402	1,402	
29.6%	0	1,287	1,287	
30.9%	0	1,274	1,274	
32.1%	0	1,262	1,262	
33.3%	0	1,260	1,260	
34.6%	0	1,254	1,254	
35.8%	0	1,233	1,233	
37.0%	0	1,133	1,133	
38.3%	0	1,098	1,098	
39.5%	0	1,082	1,082	
40.7%	0	1,018	1,018	
42.0%	0	977	977	
43.2%	0	906	906	
44.4%	0	878	878	
45.7%	0	846	846	
46.9%	0	845	845	
48.1%	0	813	813	
49.4%	0	757	757	
50.6%	0	756	756	
51.9%	0	750	750	
53.1%	0	741	741	
54.3%	0	737	737	
55.6%	0	734	734	
56.8%	0	722	722	
58.0%	0	714	714	
59.3%	0	697	697	
60.5%	0	692	692	
61.7%	0	677	677	
63.0%	0	656	656	
64.2%	0	630	630	
65.4%	0	612	612	
66.7%	0	562	562	
67.9%	0	554	554	
69.1%	0	524	524	
70.4%	0	520	520	
71.6%	0	509	509	
72.8%	0	501	501	
74.1%	0	474	474	
75.3%	0	472	472	
76.5%	0	441	441	
77.8%	0	433	433	
79.0%	0	423	423	
80.2%	0	417	417	
81.5%	0	406	406	
82.7%	0	389	389	
84.0%	0	379	379	
85.2%	0	350	350	
86.4%	0	274	274	
87.7%	0	212	212	
88.9%	0	188	188	
90.1%	0	135	135	
91.4%	0	41	41	
92.6%	0	41	41	
93.8%	0	41	41	
95.1%	0	38	38	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,969	1,969	
1.2%	0	1,947	1,947	
2.5%	0	1,920	1,920	
3.7%	0	1,862	1,862	
4.9%	0	1,817	1,817	
6.2%	0	1,784	1,784	
7.4%	0	1,689	1,689	
8.6%	0	1,568	1,568	
9.9%	0	1,417	1,417	
11.1%	0	1,375	1,375	
12.3%	0	1,322	1,322	
13.6%	0	1,304	1,304	
14.8%	0	1,253	1,253	
16.0%	0	1,189	1,189	
17.3%	0	1,113	1,113	
18.5%	0	1,083	1,083	
19.8%	0	1,079	1,079	
21.0%	0	1,051	1,051	
22.2%	0	1,046	1,046	
23.5%	0	1,043	1,043	
24.7%	0	1,033	1,033	
25.9%	0	1,026	1,026	
27.2%	0	1,011	1,011	
28.4%	0	1,000	1,000	
29.6%	0	995	995	
30.9%	0	975	975	
32.1%	0	937	937	
33.3%	0	925	925	
34.6%	0	877	877	
35.8%	0	874	874	
37.0%	0	873	873	
38.3%	0	864	864	
39.5%	0	796	796	
40.7%	0	793	793	
42.0%	0	688	688	
43.2%	0	661	661	
44.4%	0	637	637	
45.7%	0	634	634	
46.9%	0	620	620	
48.1%	0	620	620	
49.4%	0	604	604	
50.6%	0	595	595	
51.9%	0	586	586	
53.1%	0	585	585	
54.3%	0	584	584	
55.6%	0	583	583	
56.8%	0	567	567	
58.0%	0	561	561	
59.3%	0	555	555	
60.5%	0	538	538	
61.7%	0	463	463	
63.0%	0	457	457	
64.2%	0	453	453	
65.4%	0	452	452	
66.7%	0	452	452	
67.9%	0	420	420	
69.1%	0	391	391	
70.4%	0	364	364	
71.6%	0	355	355	
72.8%	0	353	353	
74.1%	0	342	342	
75.3%	0	342	342	
76.5%	0	339	339	
77.8%	0	319	319	
79.0%	0	308	308	
80.2%	0	308	308	
81.5%	0	291	291	
82.7%	0	283	283	
84.0%	0	257	257	
85.2%	0	241	241	
86.4%	0	219	219	
87.7%	0	152	152	
88.9%	0	90	90	
90.1%	0	41	41	
91.4%	0	41	41	
92.6%	0	39	39	
93.8%	0	26	26	
95.1%	0	9	9	
96.3%	0	3	3	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	819	819	
1.2%	0	766	766	
2.5%	0	747	747	
3.7%	0	744	744	
4.9%	0	731	731	
6.2%	0	728	728	
7.4%	0	727	727	
8.6%	0	727	727	
9.9%	0	717	717	
11.1%	0	717	717	
12.3%	0	713	713	
13.6%	0	707	707	
14.8%	0	697	697	
16.0%	0	695	695	
17.3%	0	695	695	
18.5%	0	693	693	
19.8%	0	686	686	
21.0%	0	685	685	
22.2%	0	682	682	
23.5%	0	682	682	
24.7%	0	677	677	
25.9%	0	676	676	
27.2%	0	674	674	
28.4%	0	672	672	
29.6%	0	672	672	
30.9%	0	668	668	
32.1%	0	667	667	
33.3%	0	665	665	
34.6%	0	663	663	
35.8%	0	661	661	
37.0%	0	656	656	
38.3%	0	655	655	
39.5%	0	655	655	
40.7%	0	650	650	
42.0%	0	649	649	
43.2%	0	647	647	
44.4%	0	644	644	
45.7%	0	644	644	
46.9%	0	628	628	
48.1%	0	617	617	
49.4%	0	614	614	
50.6%	0	612	612	
51.9%	0	607	607	
53.1%	0	591	591	
54.3%	0	568	568	
55.6%	0	544	544	
56.8%	0	543	543	
58.0%	0	542	542	
59.3%	0	527	527	
60.5%	0	526	526	
61.7%	0	513	513	
63.0%	0	500	500	
64.2%	0	460	460	
65.4%	0	444	444	
66.7%	0	438	438	
67.9%	0	399	399	
69.1%	0	290	290	
70.4%	0	246	246	
71.6%	0	240	240	
72.8%	0	233	233	
74.1%	0	231	231	
75.3%	0	226	226	
76.5%	0	194	194	
77.8%	0	187	187	
79.0%	0	185	185	
80.2%	0	175	175	
81.5%	0	173	173	
82.7%	0	165	165	
84.0%	0	164	164	
85.2%	0	161	161	
86.4%	0	161	161	
87.7%	0	153	153	
88.9%	0	119	119	
90.1%	0	110	110	
91.4%	0	57	57	
92.6%	0	42	42	
93.8%	0	40	40	
95.1%	0	27	27	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure OP-06-b
Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

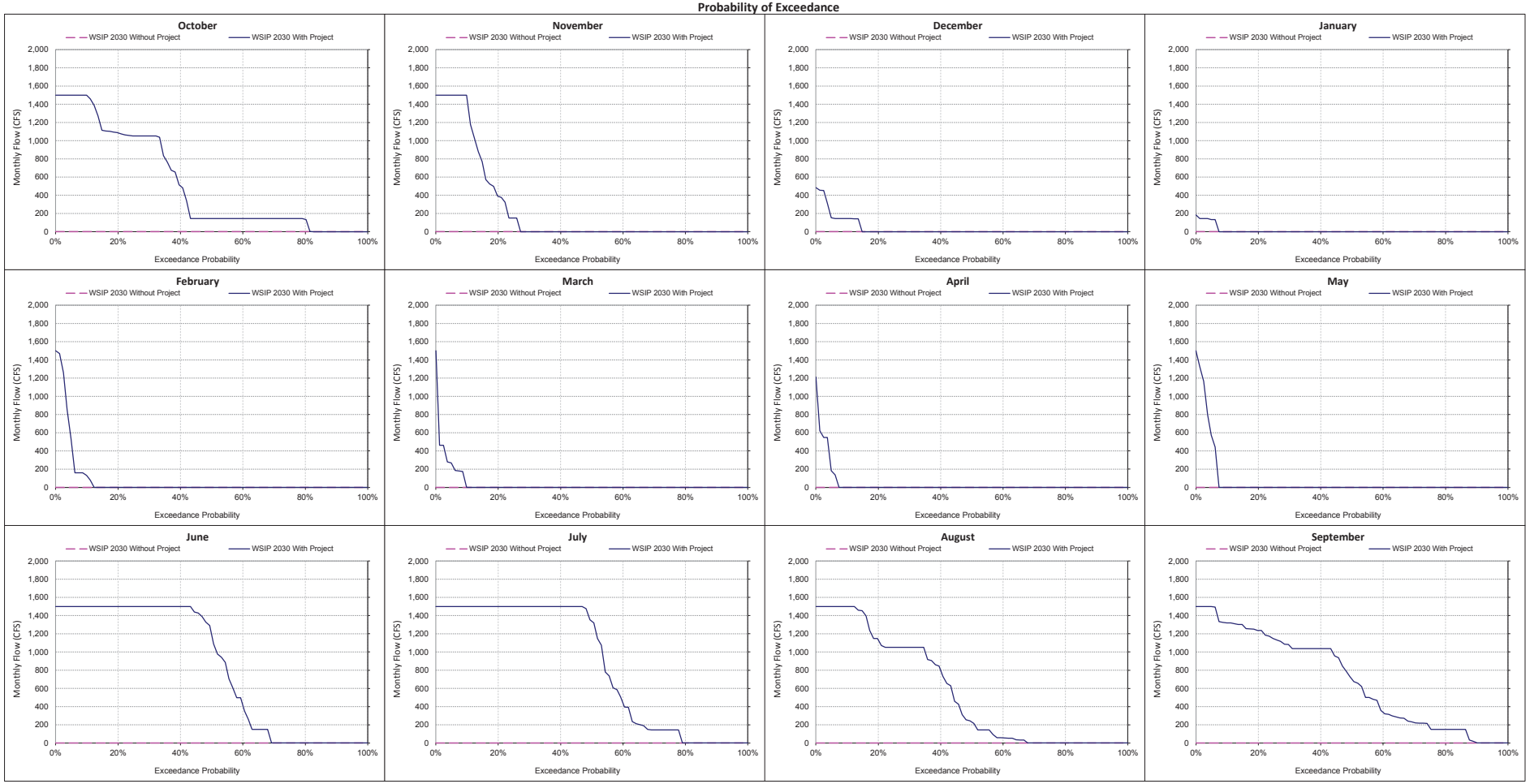


Table OP-06-b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,498	1,498	
11.1%	0	1,459	1,459	
12.3%	0	1,388	1,388	
13.6%	0	1,271	1,271	
14.8%	0	1,116	1,116	
16.0%	0	1,105	1,105	
17.3%	0	1,103	1,103	
18.5%	0	1,095	1,095	
19.8%	0	1,090	1,090	
21.0%	0	1,075	1,075	
22.2%	0	1,063	1,063	
23.5%	0	1,056	1,056	
24.7%	0	1,052	1,052	
25.9%	0	1,051	1,051	
27.2%	0	1,051	1,051	
28.4%	0	1,051	1,051	
29.6%	0	1,051	1,051	
30.9%	0	1,051	1,051	
32.1%	0	1,051	1,051	
33.3%	0	1,038	1,038	
34.6%	0	835	835	
35.8%	0	763	763	
37.0%	0	676	676	
38.3%	0	654	654	
39.5%	0	514	514	
40.7%	0	482	482	
42.0%	0	339	339	
43.2%	0	145	145	
44.4%	0	145	145	
45.7%	0	145	145	
46.9%	0	145	145	
48.1%	0	145	145	
49.4%	0	145	145	
50.6%	0	145	145	
51.9%	0	145	145	
53.1%	0	145	145	
54.3%	0	145	145	
55.6%	0	145	145	
56.8%	0	145	145	
58.0%	0	145	145	
59.3%	0	145	145	
60.5%	0	145	145	
61.7%	0	145	145	
63.0%	0	145	145	
64.2%	0	145	145	
65.4%	0	145	145	
66.7%	0	145	145	
67.9%	0	145	145	
69.1%	0	145	145	
70.4%	0	145	145	
71.6%	0	145	145	
72.8%	0	145	145	
74.1%	0	145	145	
75.3%	0	145	145	
76.5%	0	145	145	
77.8%	0	145	145	
79.0%	0	145	145	
80.2%	0	132	132	
81.5%	0	1	1	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,177	1,177	
12.3%	0	1,030	1,030	
13.6%	0	881	881	
14.8%	0	770	770	
16.0%	0	572	572	
17.3%	0	524	524	
18.5%	0	499	499	
19.8%	0	392	392	
21.0%	0	374	374	
22.2%	0	324	324	
23.5%	0	150	150	
24.7%	0	150	150	
25.9%	0	149	149	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	484	484	
1.2%	0	454	454	
2.5%	0	453	453	
3.7%	0	313	313	
4.9%	0	152	152	
6.2%	0	145	145	
7.4%	0	145	145	
8.6%	0	145	145	
9.9%	0	145	145	
11.1%	0	145	145	
12.3%	0	142	142	
13.6%	0	141	141	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	185	185	
1.2%	0	145	145	
2.5%	0	145	145	
3.7%	0	145	145	
4.9%	0	134	134	
6.2%	0	132	132	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,470	1,470	
2.5%	0	1,258	1,258	
3.7%	0	853	853	
4.9%	0	536	536	
6.2%	0	161	161	
7.4%	0	161	161	
8.6%	0	161	161	
9.9%	0	131	131	
11.1%	0	81	81	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	463	463	
2.5%	0	463	463	
3.7%	0	280	280	
4.9%	0	268	268	
6.2%	0	186	186	
7.4%	0	179	179	
8.6%	0	174	174	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,211	1,211	
1.2%	0	621	621	
2.5%	0	549	549	
3.7%	0	547	547	
4.9%	0	184	184	
6.2%	0	138	138	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,323	1,323	
2.5%	0	1,165	1,165	
3.7%	0	799	799	
4.9%	0	573	573	
6.2%	0	441	441	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,440	1,440	
45.7%	0	1,429	1,429	
46.9%	0	1,388	1,388	
48.1%	0	1,327	1,327	
49.4%	0	1,291	1,291	
50.6%	0	1,090	1,090	
51.9%	0	978	978	
53.1%	0	944	944	
54.3%	0	885	885	
55.6%	0	706	706	
56.8%	0	605	605	
58.0%	0	498	498	
59.3%	0	498	498	
60.5%	0	351	351	
61.7%	0	259	259	
63.0%	0	150	150	
64.2%	0	150	150	
65.4%	0	150	150	
66.7%	0	150	150	
67.9%	0	150	150	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,500	1,500	
45.7%	0	1,500	1,500	
46.9%	0	1,500	1,500	
48.1%	0	1,477	1,477	
49.4%	0	1,354	1,354	
50.6%	0	1,320	1,320	
51.9%	0	1,148	1,148	
53.1%	0	1,075	1,075	
54.3%	0	779	779	
55.6%	0	736	736	
56.8%	0	606	606	
58.0%	0	587	587	
59.3%	0	506	506	
60.5%	0	394	394	
61.7%	0	393	393	
63.0%	0	236	236	
64.2%	0	212	212	
65.4%	0	200	200	
66.7%	0	188	188	
67.9%	0	150	150	
69.1%	0	145	145	
70.4%	0	145	145	
71.6%	0	145	145	
72.8%	0	145	145	
74.1%	0	145	145	
75.3%	0	145	145	
76.5%	0	145	145	
77.8%	0	145	145	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,459	1,459	
14.8%	0	1,454	1,454	
16.0%	0	1,395	1,395	
17.3%	0	1,238	1,238	
18.5%	0	1,147	1,147	
19.8%	0	1,147	1,147	
21.0%	0	1,072	1,072	
22.2%	0	1,051	1,051	
23.5%	0	1,051	1,051	
24.7%	0	1,051	1,051	
25.9%	0	1,051	1,051	
27.2%	0	1,051	1,051	
28.4%	0	1,051	1,051	
29.6%	0	1,051	1,051	
30.9%	0	1,051	1,051	
32.1%	0	1,051	1,051	
33.3%	0	1,051	1,051	
34.6%	0	1,051	1,051	
35.8%	0	918	918	
37.0%	0	906	906	
38.3%	0	859	859	
39.5%	0	845	845	
40.7%	0	731	731	
42.0%	0	656	656	
43.2%	0	630	630	
44.4%	0	459	459	
45.7%	0	426	426	
46.9%	0	314	314	
48.1%	0	255	255	
49.4%	0	243	243	
50.6%	0	215	215	
51.9%	0	145	145	
53.1%	0	145	145	
54.3%	0	145	145	
55.6%	0	145	145	
56.8%	0	91	91	
58.0%	0	59	59	
59.3%	0	58	58	
60.5%	0	54	54	
61.7%	0	54	54	
63.0%	0	53	53	
64.2%	0	35	35	
65.4%	0	32	32	
66.7%	0	32	32	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,494	1,494	
7.4%	0	1,333	1,333	
8.6%	0	1,324	1,324	
9.9%	0	1,318	1,318	
11.1%	0	1,318	1,318	
12.3%	0	1,310	1,310	
13.6%	0	1,304	1,304	
14.8%	0	1,301	1,301	
16.0%	0	1,258	1,258	
17.3%	0	1,254	1,254	
18.5%	0	1,252	1,252	
19.8%	0	1,238	1,238	
21.0%	0	1,237	1,237	
22.2%	0	1,184	1,184	
23.5%	0	1,175	1,175	
24.7%	0	1,148	1,148	
25.9%	0	1,130	1,130	
27.2%	0	1,116	1,116	
28.4%	0	1,087	1,087	
29.6%	0	1,082	1,082	
30.9%	0	1,036	1,036	
32.1%	0	1,036	1,036	
33.3%	0	1,036	1,036	
34.6%	0	1,036	1,036	
35.8%	0	1,036	1,036	
37.0%	0	1,036	1,036	
38.3%	0	1,036	1,036	
39.5%	0	1,036	1,036	
40.7%	0	1,036	1,036	
42.0%	0	1,036	1,036	
43.2%	0	1,036	1,036	
44.4%	0	958	958	
45.7%	0	936	936	
46.9%	0	846	846	
48.1%	0	793	793	
49.4%	0	730	730	
50.6%	0	676	676	
51.9%	0	657	657	
53.1%	0	620	620	
54.3%	0	501	501	
55.6%	0	500	500	
56.8%	0	481	481	
58.0%	0	470	470	
59.3%	0	358	358	
60.5%	0	321	321	
61.7%	0	314	314	
63.0%	0	299	299	
64.2%	0	287	287	
65.4%	0	276	276	
66.7%	0	271	271	
67.9%	0	240	240	
69.1%	0	232	232	
70.4%	0	220	220	
71.6%	0	218	218	
72.8%	0	217	217	
74.1%	0	214	214	
75.3%	0	150	150	
76.5%	0	150	150	
77.8%	0	150	150	
79.0%	0	150	150	
80.2%	0	150	150	
81.5%	0	150	150	
82.7%	0	150	150	
84.0%	0	150	150	
85.2%	0	150	150	
86.4%	0	150	150	
87.7%	0	32	32	
88.9%	0	20	20	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure OP-07-b
Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

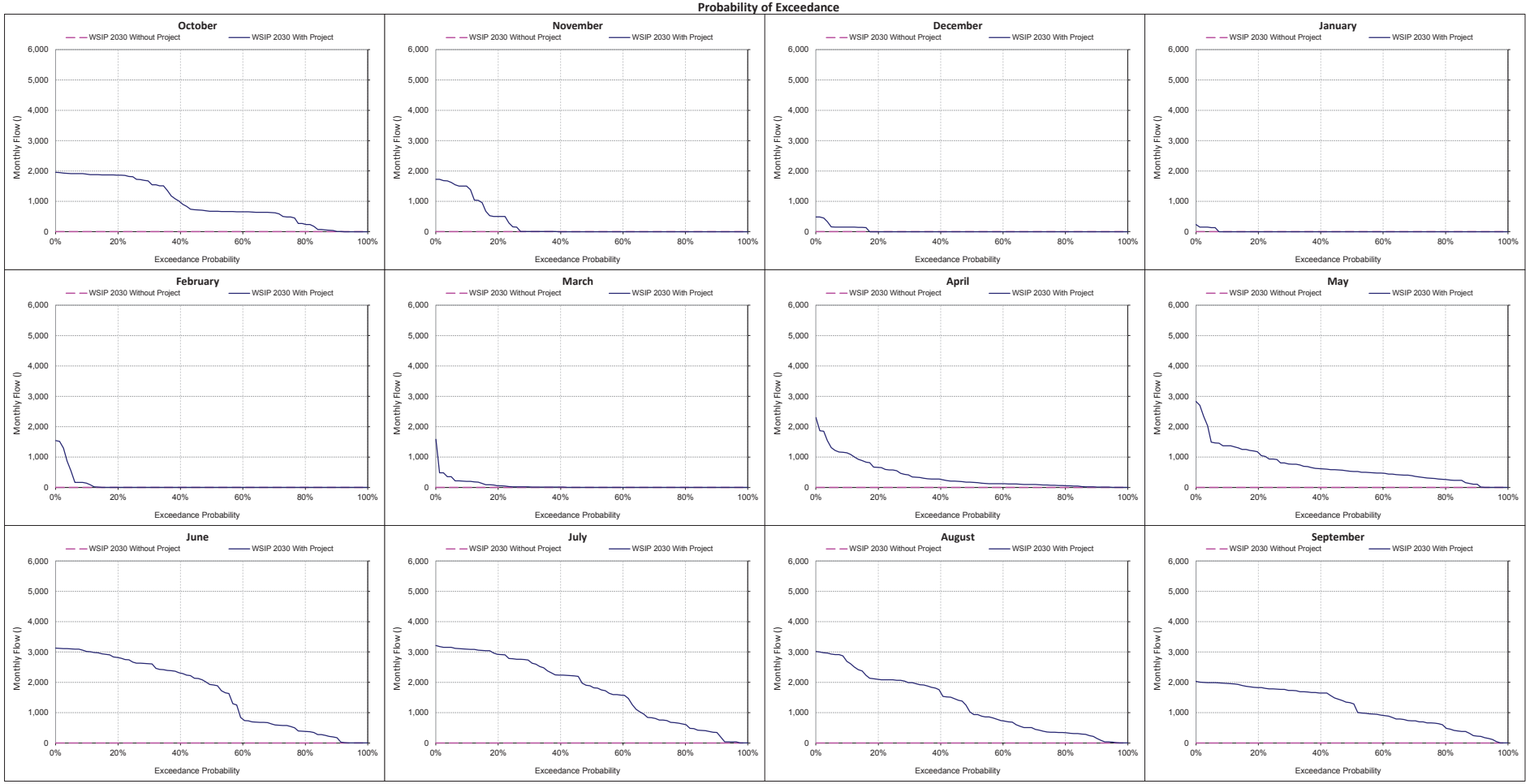


Table OP-07-b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow ()	WSIP 2030 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	1,960	1,960	
1.2%	0	1,944	1,944	
2.5%	0	1,930	1,930	
3.7%	0	1,923	1,923	
4.9%	0	1,914	1,914	
6.2%	0	1,911	1,911	
7.4%	0	1,910	1,910	
8.6%	0	1,910	1,910	
9.9%	0	1,899	1,899	
11.1%	0	1,879	1,879	
12.3%	0	1,877	1,877	
13.6%	0	1,876	1,876	
14.8%	0	1,874	1,874	
16.0%	0	1,873	1,873	
17.3%	0	1,872	1,872	
18.5%	0	1,869	1,869	
19.8%	0	1,866	1,866	
21.0%	0	1,858	1,858	
22.2%	0	1,852	1,852	
23.5%	0	1,823	1,823	
24.7%	0	1,813	1,813	
25.9%	0	1,723	1,723	
27.2%	0	1,713	1,713	
28.4%	0	1,692	1,692	
29.6%	0	1,671	1,671	
30.9%	0	1,543	1,543	
32.1%	0	1,542	1,542	
33.3%	0	1,509	1,509	
34.6%	0	1,508	1,508	
35.8%	0	1,357	1,357	
37.0%	0	1,174	1,174	
38.3%	0	1,080	1,080	
39.5%	0	1,005	1,005	
40.7%	0	906	906	
42.0%	0	834	834	
43.2%	0	742	742	
44.4%	0	722	722	
45.7%	0	717	717	
46.9%	0	709	709	
48.1%	0	687	687	
49.4%	0	675	675	
50.6%	0	673	673	
51.9%	0	671	671	
53.1%	0	665	665	
54.3%	0	662	662	
55.6%	0	662	662	
56.8%	0	661	661	
58.0%	0	658	658	
59.3%	0	658	658	
60.5%	0	657	657	
61.7%	0	655	655	
63.0%	0	643	643	
64.2%	0	642	642	
65.4%	0	642	642	
66.7%	0	640	640	
67.9%	0	635	635	
69.1%	0	633	633	
70.4%	0	618	618	
71.6%	0	586	586	
72.8%	0	501	501	
74.1%	0	484	484	
75.3%	0	480	480	
76.5%	0	453	453	
77.8%	0	273	273	
79.0%	0	271	271	
80.2%	0	232	232	
81.5%	0	232	232	
82.7%	0	173	173	
84.0%	0	76	76	
85.2%	0	70	70	
86.4%	0	52	52	
87.7%	0	51	51	
88.9%	0	36	36	
90.1%	0	5	5	
91.4%	0	1	1	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow ()	WSIP 2030 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	1,724	1,724	
1.2%	0	1,723	1,723	
2.5%	0	1,681	1,681	
3.7%	0	1,671	1,671	
4.9%	0	1,624	1,624	
6.2%	0	1,543	1,543	
7.4%	0	1,503	1,503	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,379	1,379	
12.3%	0	1,040	1,040	
13.6%	0	1,036	1,036	
14.8%	0	956	956	
16.0%	0	675	675	
17.3%	0	527	527	
18.5%	0	500	500	
19.8%	0	500	500	
21.0%	0	500	500	
22.2%	0	500	500	
23.5%	0	291	291	
24.7%	0	155	155	
25.9%	0	153	153	
27.2%	0	3	3	
28.4%	0	3	3	
29.6%	0	1	1	
30.9%	0	1	1	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow ()	WSIP 2030 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	484	484	
1.2%	0	482	482	
2.5%	0	453	453	
3.7%	0	333	333	
4.9%	0	162	162	
6.2%	0	154	154	
7.4%	0	154	154	
8.6%	0	152	152	
9.9%	0	151	151	
11.1%	0	151	151	
12.3%	0	150	150	
13.6%	0	144	144	
14.8%	0	143	143	
16.0%	0	133	133	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow ()	WSIP 2030 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	239	239	
1.2%	0	149	149	
2.5%	0	149	149	
3.7%	0	149	149	
4.9%	0	137	137	
6.2%	0	135	135	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-07-b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow ()	WSIP 2030 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	1,543	1,543	
1.2%	0	1,512	1,512	
2.5%	0	1,290	1,290	
3.7%	0	866	866	
4.9%	0	536	536	
6.2%	0	164	164	
7.4%	0	164	164	
8.6%	0	163	163	
9.9%	0	135	135	
11.1%	0	84	84	
12.3%	0	14	14	
13.6%	0	13	13	
14.8%	0	1	1	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow ()	WSIP 2030 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	1,582	1,582	
1.2%	0	484	484	
2.5%	0	484	484	
3.7%	0	355	355	
4.9%	0	349	349	
6.2%	0	215	215	
7.4%	0	215	215	
8.6%	0	206	206	
9.9%	0	199	199	
11.1%	0	194	194	
12.3%	0	183	183	
13.6%	0	173	173	
14.8%	0	129	129	
16.0%	0	85	85	
17.3%	0	82	82	
18.5%	0	77	77	
19.8%	0	54	54	
21.0%	0	54	54	
22.2%	0	44	44	
23.5%	0	30	30	
24.7%	0	21	21	
25.9%	0	21	21	
27.2%	0	20	20	
28.4%	0	18	18	
29.6%	0	17	17	
30.9%	0	12	12	
32.1%	0	9	9	
33.3%	0	9	9	
34.6%	0	9	9	
35.8%	0	8	8	
37.0%	0	7	7	
38.3%	0	7	7	
39.5%	0	6	6	
40.7%	0	6	6	
42.0%	0	5	5	
43.2%	0	4	4	
44.4%	0	2	2	
45.7%	0	1	1	
46.9%	0	1	1	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow ()	WSIP 2030 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	2,300	2,300	
1.2%	0	1,865	1,865	
2.5%	0	1,850	1,850	
3.7%	0	1,545	1,545	
4.9%	0	1,314	1,314	
6.2%	0	1,216	1,216	
7.4%	0	1,162	1,162	
8.6%	0	1,156	1,156	
9.9%	0	1,138	1,138	
11.1%	0	1,084	1,084	
12.3%	0	1,004	1,004	
13.6%	0	928	928	
14.8%	0	885	885	
16.0%	0	832	832	
17.3%	0	815	815	
18.5%	0	670	670	
19.8%	0	655	655	
21.0%	0	647	647	
22.2%	0	587	587	
23.5%	0	574	574	
24.7%	0	571	571	
25.9%	0	546	546	
27.2%	0	460	460	
28.4%	0	425	425	
29.6%	0	412	412	
30.9%	0	346	346	
32.1%	0	334	334	
33.3%	0	325	325	
34.6%	0	296	296	
35.8%	0	284	284	
37.0%	0	279	279	
38.3%	0	276	276	
39.5%	0	274	274	
40.7%	0	248	248	
42.0%	0	227	227	
43.2%	0	205	205	
44.4%	0	204	204	
45.7%	0	194	194	
46.9%	0	188	188	
48.1%	0	168	168	
49.4%	0	168	168	
50.6%	0	162	162	
51.9%	0	157	157	
53.1%	0	137	137	
54.3%	0	128	128	
55.6%	0	119	119	
56.8%	0	119	119	
58.0%	0	118	118	
59.3%	0	117	117	
60.5%	0	117	117	
61.7%	0	114	114	
63.0%	0	113	113	
64.2%	0	108	108	
65.4%	0	106	106	
66.7%	0	98	98	
67.9%	0	98	98	
69.1%	0	97	97	
70.4%	0	93	93	
71.6%	0	86	86	
72.8%	0	82	82	
74.1%	0	78	78	
75.3%	0	73	73	
76.5%	0	69	69	
77.8%	0	63	63	
79.0%	0	57	57	
80.2%	0	54	54	
81.5%	0	48	48	
82.7%	0	47	47	
84.0%	0	44	44	
85.2%	0	27	27	
86.4%	0	21	21	
87.7%	0	16	16	
88.9%	0	14	14	
90.1%	0	11	11	
91.4%	0	6	6	
92.6%	0	6	6	
93.8%	0	6	6	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow ()	WSIP 2030 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	2,836	2,836	
1.2%	0	2,703	2,703	
2.5%	0	2,339	2,339	
3.7%	0	2,031	2,031	
4.9%	0	1,487	1,487	
6.2%	0	1,467	1,467	
7.4%	0	1,458	1,458	
8.6%	0	1,374	1,374	
9.9%	0	1,372	1,372	
11.1%	0	1,372	1,372	
12.3%	0	1,335	1,335	
13.6%	0	1,300	1,300	
14.8%	0	1,252	1,252	
16.0%	0	1,248	1,248	
17.3%	0	1,220	1,220	
18.5%	0	1,196	1,196	
19.8%	0	1,174	1,174	
21.0%	0	1,043	1,043	
22.2%	0	1,019	1,019	
23.5%	0	936	936	
24.7%	0	935	935	
25.9%	0	920	920	
27.2%	0	804	804	
28.4%	0	803	803	
29.6%	0	773	773	
30.9%	0	759	759	
32.1%	0	758	758	
33.3%	0	739	739	
34.6%	0	694	694	
35.8%	0	687	687	
37.0%	0	649	649	
38.3%	0	622	622	
39.5%	0	615	615	
40.7%	0	608	608	
42.0%	0	603	603	
43.2%	0	584	584	
44.4%	0	579	579	
45.7%	0	571	571	
46.9%	0	563	563	
48.1%	0	545	545	
49.4%	0	528	528	
50.6%	0	526	526	
51.9%	0	522	522	
53.1%	0	500	500	
54.3%	0	495	495	
55.6%	0	488	488	
56.8%	0	484	484	
58.0%	0	475	475	
59.3%	0	468	468	
60.5%	0	460	460	
61.7%	0	437	437	
63.0%	0	435	435	
64.2%	0	422	422	
65.4%	0	412	412	
66.7%	0	406	406	
67.9%	0	399	399	
69.1%	0	387	387	
70.4%	0	356	356	
71.6%	0	342	342	
72.8%	0	323	323	
74.1%	0	311	311	
75.3%	0	296	296	
76.5%	0	289	289	
77.8%	0	277	277	
79.0%	0	267	267	
80.2%	0	257	257	
81.5%	0	241	241	
82.7%	0	233	233	
84.0%	0	232	232	
85.2%	0	230	230	
86.4%	0	151	151	
87.7%	0	126	126	
88.9%	0	106	106	
90.1%	0	99	99	
91.4%	0	5	5	
92.6%	0	3	3	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-07-b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow ()	WSIP 2030 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	3,129	3,129	
1.2%	0	3,121	3,121	
2.5%	0	3,115	3,115	
3.7%	0	3,108	3,108	
4.9%	0	3,103	3,103	
6.2%	0	3,097	3,097	
7.4%	0	3,092	3,092	
8.6%	0	3,056	3,056	
9.9%	0	3,013	3,013	
11.1%	0	3,007	3,007	
12.3%	0	2,985	2,985	
13.6%	0	2,973	2,973	
14.8%	0	2,940	2,940	
16.0%	0	2,922	2,922	
17.3%	0	2,909	2,909	
18.5%	0	2,838	2,838	
19.8%	0	2,822	2,822	
21.0%	0	2,796	2,796	
22.2%	0	2,755	2,755	
23.5%	0	2,746	2,746	
24.7%	0	2,669	2,669	
25.9%	0	2,631	2,631	
27.2%	0	2,631	2,631	
28.4%	0	2,625	2,625	
29.6%	0	2,611	2,611	
30.9%	0	2,606	2,606	
32.1%	0	2,457	2,457	
33.3%	0	2,428	2,428	
34.6%	0	2,419	2,419	
35.8%	0	2,393	2,393	
37.0%	0	2,385	2,385	
38.3%	0	2,369	2,369	
39.5%	0	2,318	2,318	
40.7%	0	2,291	2,291	
42.0%	0	2,239	2,239	
43.2%	0	2,221	2,221	
44.4%	0	2,131	2,131	
45.7%	0	2,125	2,125	
46.9%	0	2,086	2,086	
48.1%	0	2,011	2,011	
49.4%	0	1,928	1,928	
50.6%	0	1,917	1,917	
51.9%	0	1,884	1,884	
53.1%	0	1,724	1,724	
54.3%	0	1,659	1,659	
55.6%	0	1,628	1,628	
56.8%	0	1,295	1,295	
58.0%	0	1,251	1,251	
59.3%	0	839	839	
60.5%	0	742	742	
61.7%	0	732	732	
63.0%	0	698	698	
64.2%	0	686	686	
65.4%	0	680	680	
66.7%	0	678	678	
67.9%	0	675	675	
69.1%	0	624	624	
70.4%	0	597	597	
71.6%	0	587	587	
72.8%	0	581	581	
74.1%	0	576	576	
75.3%	0	542	542	
76.5%	0	500	500	
77.8%	0	397	397	
79.0%	0	390	390	
80.2%	0	383	383	
81.5%	0	372	372	
82.7%	0	349	349	
84.0%	0	281	281	
85.2%	0	276	276	
86.4%	0	249	249	
87.7%	0	221	221	
88.9%	0	198	198	
90.1%	0	171	171	
91.4%	0	31	31	
92.6%	0	11	11	
93.8%	0	6	6	
95.1%	0	2	2	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow ()	WSIP 2030 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	3,218	3,218	
1.2%	0	3,178	3,178	
2.5%	0	3,158	3,158	
3.7%	0	3,154	3,154	
4.9%	0	3,153	3,153	
6.2%	0	3,120	3,120	
7.4%	0	3,112	3,112	
8.6%	0	3,100	3,100	
9.9%	0	3,093	3,093	
11.1%	0	3,083	3,083	
12.3%	0	3,082	3,082	
13.6%	0	3,058	3,058	
14.8%	0	3,048	3,048	
16.0%	0	3,042	3,042	
17.3%	0	3,040	3,040	
18.5%	0	2,966	2,966	
19.8%	0	2,924	2,924	
21.0%	0	2,912	2,912	
22.2%	0	2,902	2,902	
23.5%	0	2,787	2,787	
24.7%	0	2,774	2,774	
25.9%	0	2,762	2,762	
27.2%	0	2,760	2,760	
28.4%	0	2,754	2,754	
29.6%	0	2,733	2,733	
30.9%	0	2,633	2,633	
32.1%	0	2,598	2,598	
33.3%	0	2,518	2,518	
34.6%	0	2,477	2,477	
35.8%	0	2,378	2,378	
37.0%	0	2,313	2,313	
38.3%	0	2,250	2,250	
39.5%	0	2,237	2,237	
40.7%	0	2,234	2,234	
42.0%	0	2,229	2,229	
43.2%	0	2,222	2,222	
44.4%	0	2,214	2,214	
45.7%	0	2,197	2,197	
46.9%	0	1,972	1,972	
48.1%	0	1,908	1,908	
49.4%	0	1,889	1,889	
50.6%	0	1,821	1,821	
51.9%	0	1,809	1,809	
53.1%	0	1,754	1,754	
54.3%	0	1,723	1,723	
55.6%	0	1,635	1,635	
56.8%	0	1,599	1,599	
58.0%	0	1,593	1,593	
59.3%	0	1,582	1,582	
60.5%	0	1,574	1,574	
61.7%	0	1,472	1,472	
63.0%	0	1,262	1,262	
64.2%	0	1,106	1,106	
65.4%	0	1,020	1,020	
66.7%	0	956	956	
67.9%	0	846	846	
69.1%	0	834	834	
70.4%	0	806	806	
71.6%	0	758	758	
72.8%	0	756	756	
74.1%	0	741	741	
75.3%	0	677	677	
76.5%	0	670	670	
77.8%	0	654	654	
79.0%	0	630	630	
80.2%	0	606	606	
81.5%	0	486	486	
82.7%	0	474	474	
84.0%	0	423	423	
85.2%	0	417	417	
86.4%	0	406	406	
87.7%	0	379	379	
88.9%	0	357	357	
90.1%	0	350	350	
91.4%	0	188	188	
92.6%	0	41	41	
93.8%	0	41	41	
95.1%	0	41	41	
96.3%	0	38	38	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow ()	WSIP 2030 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	3,020	3,020	
1.2%	0	2,998	2,998	
2.5%	0	2,971	2,971	
3.7%	0	2,965	2,965	
4.9%	0	2,932	2,932	
6.2%	0	2,917	2,917	
7.4%	0	2,913	2,913	
8.6%	0	2,875	2,875	
9.9%	0	2,689	2,689	
11.1%	0	2,613	2,613	
12.3%	0	2,506	2,506	
13.6%	0	2,421	2,421	
14.8%	0	2,379	2,379	
16.0%	0	2,233	2,233	
17.3%	0	2,135	2,135	
18.5%	0	2,115	2,115	
19.8%	0	2,102	2,102	
21.0%	0	2,086	2,086	
22.2%	0	2,084	2,084	
23.5%	0	2,084	2,084	
24.7%	0	2,083	2,083	
25.9%	0	2,067	2,067	
27.2%	0	2,063	2,063	
28.4%	0	2,038	2,038	
29.6%	0	1,993	1,993	
30.9%	0	1,988	1,988	
32.1%	0	1,953	1,953	
33.3%	0	1,925	1,925	
34.6%	0	1,915	1,915	
35.8%	0	1,881	1,881	
37.0%	0	1,835	1,835	
38.3%	0	1,811	1,811	
39.5%	0	1,757	1,757	
40.7%	0	1,539	1,539	
42.0%	0	1,519	1,519	
43.2%	0	1,508	1,508	
44.4%	0	1,459	1,459	
45.7%	0	1,406	1,406	
46.9%	0	1,381	1,381	
48.1%	0	1,241	1,241	
49.4%	0	1,019	1,019	
50.6%	0	937	937	
51.9%	0	934	934	
53.1%	0	887	887	
54.3%	0	863	863	
55.6%	0	859	859	
56.8%	0	828	828	
58.0%	0	782	782	
59.3%	0	740	740	
60.5%	0	721	721	
61.7%	0	694	694	
63.0%	0	688	688	
64.2%	0	604	604	
65.4%	0	555	555	
66.7%	0	511	511	
67.9%	0	510	510	
69.1%	0	506	506	
70.4%	0	453	453	
71.6%	0	420	420	
72.8%	0	391	391	
74.1%	0	364	364	
75.3%	0	355	355	
76.5%	0	353	353	
77.8%	0	342	342	
79.0%	0	342	342	
80.2%	0	339	339	
81.5%	0	319	319	
82.7%	0	308	308	
84.0%	0	308	308	
85.2%	0	291	291	
86.4%	0	283	283	
87.7%	0	241	241	
88.9%	0	219	219	
90.1%	0	152	152	
91.4%	0	90	90	
92.6%	0	41	41	
93.8%	0	41	41	
95.1%	0	26	26	
96.3%	0	9	9	
97.5%	0	3	3	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow ()	WSIP 2030 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	2,031	2,031	
1.2%	0	2,003	2,003	
2.5%	0	2,000	2,000	
3.7%	0	1,993	1,993	
4.9%	0	1,986	1,986	
6.2%	0	1,985	1,985	
7.4%	0	1,980	1,980	
8.6%	0	1,972	1,972	
9.9%	0	1,960	1,960	
11.1%	0	1,957	1,957	
12.3%	0	1,944	1,944	
13.6%	0	1,934	1,934	
14.8%	0	1,894	1,894	
16.0%	0	1,871	1,871	
17.3%	0	1,855	1,855	
18.5%	0	1,833	1,833	
19.8%	0	1,829	1,829	
21.0%	0	1,826	1,826	
22.2%	0	1,799	1,799	
23.5%	0	1,784	1,784	
24.7%	0	1,781	1,781	
25.9%	0	1,772	1,772	
27.2%	0	1,764	1,764	
28.4%	0	1,763	1,763	
29.6%	0	1,733	1,733	
30.9%	0	1,731	1,731	
32.1%	0	1,726	1,726	
33.3%	0	1,691	1,691	
34.6%	0	1,686	1,686	
35.8%	0	1,685	1,685	
37.0%	0	1,665	1,665	
38.3%	0	1,664	1,664	
39.5%	0	1,650	1,650	
40.7%	0	1,648	1,648	
42.0%	0	1,644	1,644	
43.2%	0	1,563	1,563	
44.4%	0	1,485	1,485	
45.7%	0	1,438	1,438	
46.9%	0	1,398	1,398	
48.1%	0	1,348	1,348	
49.4%	0	1,331	1,331	
50.6%	0	1,285	1,285	
51.9%	0	1,007	1,007	
53.1%	0	985	985	
54.3%	0	977	977	
55.6%	0	961	961	
56.8%	0	954	954	
58.0%	0	948	948	
59.3%	0	921	921	
60.5%	0	905	905	
61.7%	0	888	888	
63.0%	0	845	845	
64.2%	0	794	794	
65.4%	0	794	794	
66.7%	0	778	778	
67.9%	0	741	741	
69.1%	0	733	733	
70.4%	0	727	727	
71.6%	0	694	694	
72.8%	0	693	693	
74.1%	0	663	663	
75.3%	0	662	662	
76.5%	0	650	650	
77.8%	0	634	634	
79.0%	0	600	600	
80.2%	0	486	486	
81.5%	0	457	457	
82.7%	0	412	412	
84.0%	0	398	398	
85.2%	0	381	381	
86.4%	0	378	378	
87.7%	0	323	323	
88.9%	0	240	240	
90.1%	0	226	226	
91.4%	0	220	220	
92.6%	0	175	175	
93.8%	0	153	153	
95.1%	0	119	119	
96.3%	0	42	42	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure OP-08-b
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

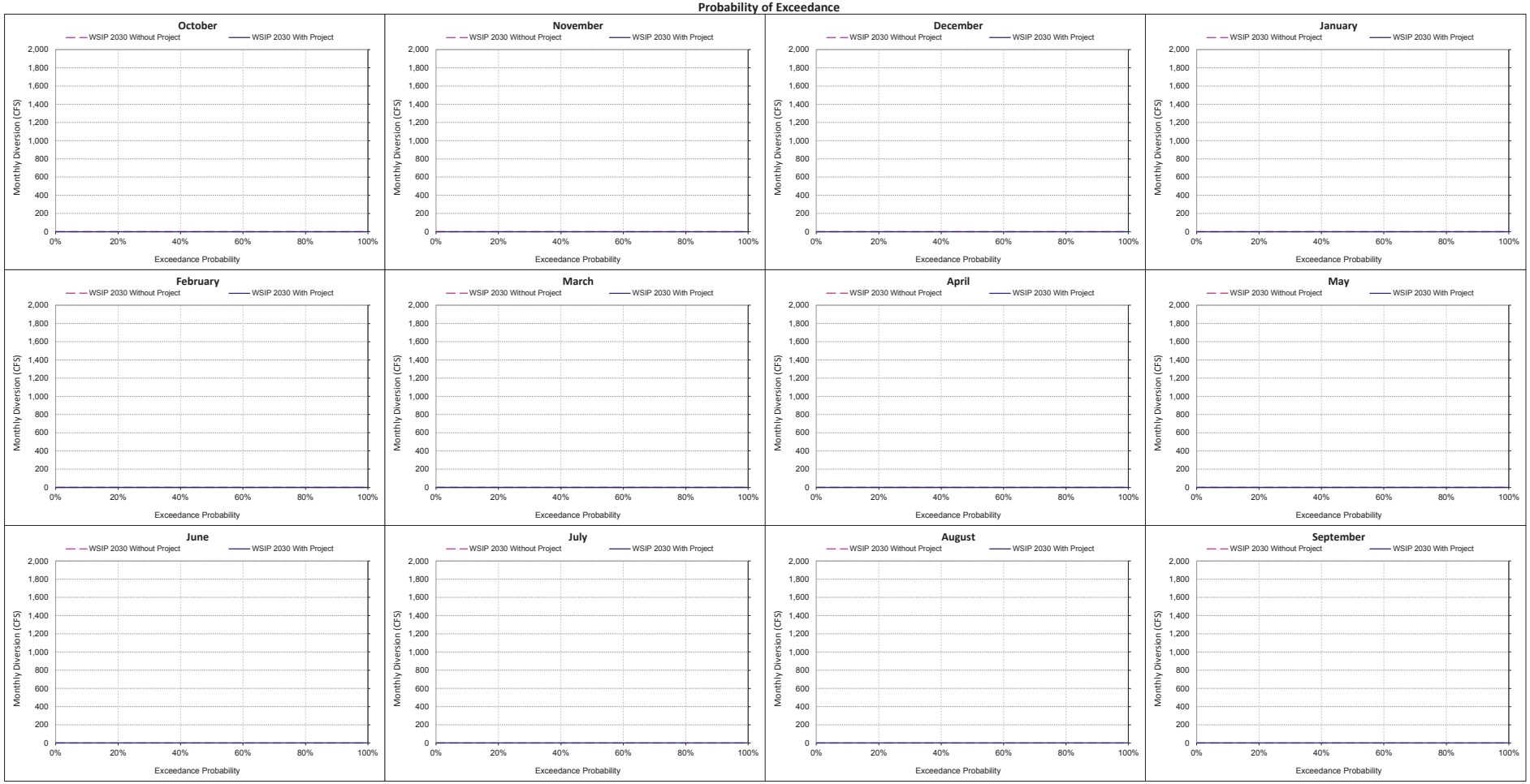


Table OP-08-b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Diversion (CFS)	WSIP 2030 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure OP-09-b
Sites Reservoir, End of Month Storage
Probability of Exceedance

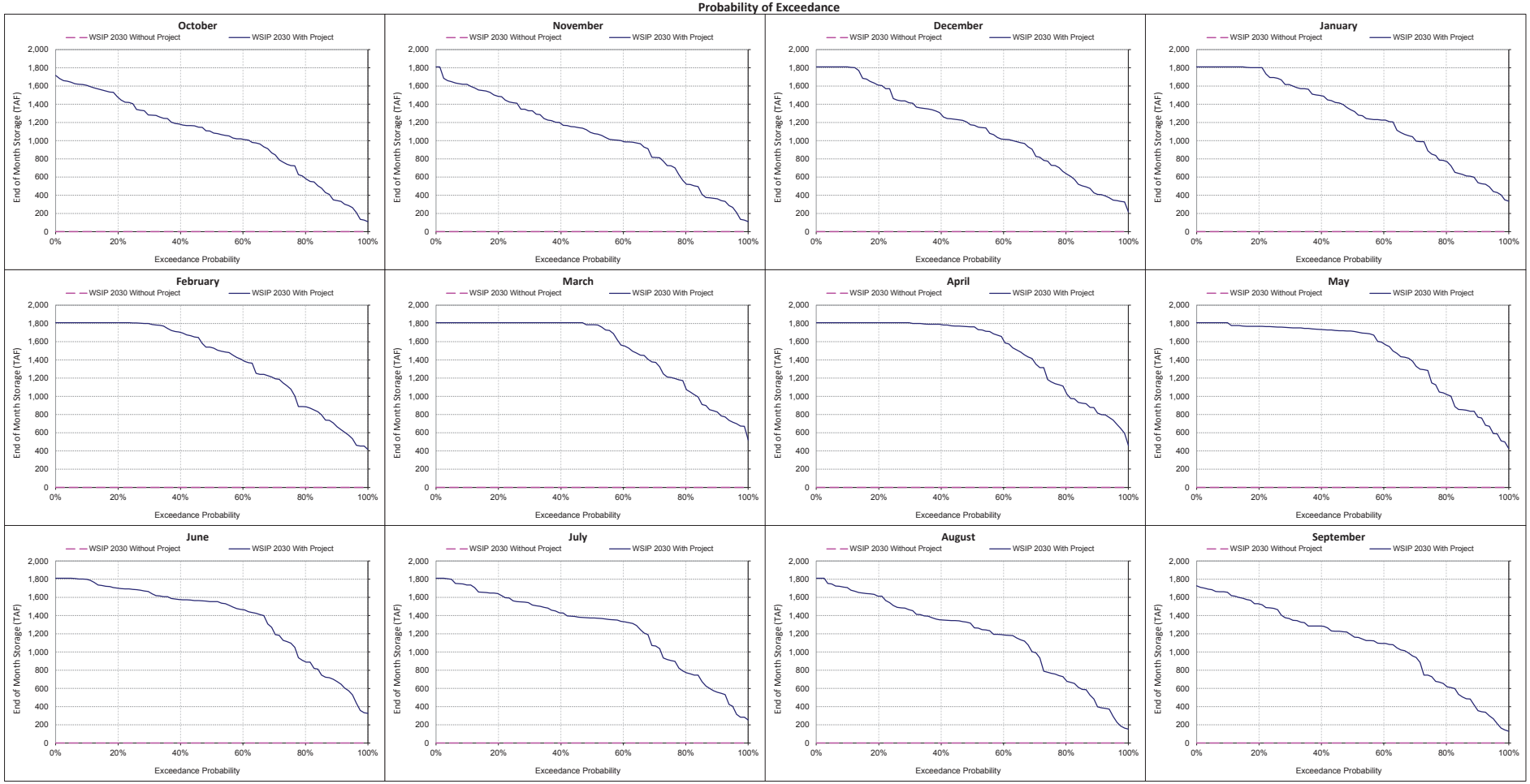


Table OP-09-b

Sites Reservoir, End of Month Storage
Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,718	1,718	
1.2%	0	1,683	1,683	
2.5%	0	1,659	1,659	
3.7%	0	1,655	1,655	
4.9%	0	1,641	1,641	
6.2%	0	1,624	1,624	
7.4%	0	1,620	1,620	
8.6%	0	1,618	1,618	
9.9%	0	1,607	1,607	
11.1%	0	1,595	1,595	
12.3%	0	1,580	1,580	
13.6%	0	1,568	1,568	
14.8%	0	1,557	1,557	
16.0%	0	1,545	1,545	
17.3%	0	1,534	1,534	
18.5%	0	1,532	1,532	
19.8%	0	1,483	1,483	
21.0%	0	1,445	1,445	
22.2%	0	1,422	1,422	
23.5%	0	1,420	1,420	
24.7%	0	1,406	1,406	
25.9%	0	1,343	1,343	
27.2%	0	1,333	1,333	
28.4%	0	1,330	1,330	
29.6%	0	1,283	1,283	
30.9%	0	1,281	1,281	
32.1%	0	1,277	1,277	
33.3%	0	1,261	1,261	
34.6%	0	1,246	1,246	
35.8%	0	1,242	1,242	
37.0%	0	1,202	1,202	
38.3%	0	1,190	1,190	
39.5%	0	1,183	1,183	
40.7%	0	1,171	1,171	
42.0%	0	1,166	1,166	
43.2%	0	1,165	1,165	
44.4%	0	1,164	1,164	
45.7%	0	1,149	1,149	
46.9%	0	1,146	1,146	
48.1%	0	1,108	1,108	
49.4%	0	1,106	1,106	
50.6%	0	1,082	1,082	
51.9%	0	1,078	1,078	
53.1%	0	1,067	1,067	
54.3%	0	1,056	1,056	
55.6%	0	1,050	1,050	
56.8%	0	1,030	1,030	
58.0%	0	1,020	1,020	
59.3%	0	1,020	1,020	
60.5%	0	1,013	1,013	
61.7%	0	1,006	1,006	
63.0%	0	979	979	
64.2%	0	974	974	
65.4%	0	963	963	
66.7%	0	932	932	
67.9%	0	912	912	
69.1%	0	865	865	
70.4%	0	842	842	
71.6%	0	788	788	
72.8%	0	764	764	
74.1%	0	742	742	
75.3%	0	727	727	
76.5%	0	725	725	
77.8%	0	626	626	
79.0%	0	612	612	
80.2%	0	578	578	
81.5%	0	551	551	
82.7%	0	547	547	
84.0%	0	505	505	
85.2%	0	478	478	
86.4%	0	429	429	
87.7%	0	409	409	
88.9%	0	351	351	
90.1%	0	341	341	
91.4%	0	333	333	
92.6%	0	302	302	
93.8%	0	287	287	
95.1%	0	265	265	
96.3%	0	210	210	
97.5%	0	137	137	
98.8%	0	128	128	
100.0%	0	110	110	

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,686	1,686	
3.7%	0	1,660	1,660	
4.9%	0	1,648	1,648	
6.2%	0	1,633	1,633	
7.4%	0	1,624	1,624	
8.6%	0	1,619	1,619	
9.9%	0	1,619	1,619	
11.1%	0	1,596	1,596	
12.3%	0	1,579	1,579	
13.6%	0	1,555	1,555	
14.8%	0	1,552	1,552	
16.0%	0	1,544	1,544	
17.3%	0	1,532	1,532	
18.5%	0	1,504	1,504	
19.8%	0	1,488	1,488	
21.0%	0	1,483	1,483	
22.2%	0	1,446	1,446	
23.5%	0	1,426	1,426	
24.7%	0	1,417	1,417	
25.9%	0	1,410	1,410	
27.2%	0	1,345	1,345	
28.4%	0	1,344	1,344	
29.6%	0	1,330	1,330	
30.9%	0	1,329	1,329	
32.1%	0	1,292	1,292	
33.3%	0	1,287	1,287	
34.6%	0	1,244	1,244	
35.8%	0	1,225	1,225	
37.0%	0	1,219	1,219	
38.3%	0	1,202	1,202	
39.5%	0	1,200	1,200	
40.7%	0	1,168	1,168	
42.0%	0	1,167	1,167	
43.2%	0	1,156	1,156	
44.4%	0	1,153	1,153	
45.7%	0	1,143	1,143	
46.9%	0	1,138	1,138	
48.1%	0	1,120	1,120	
49.4%	0	1,092	1,092	
50.6%	0	1,076	1,076	
51.9%	0	1,071	1,071	
53.1%	0	1,058	1,058	
54.3%	0	1,033	1,033	
55.6%	0	1,015	1,015	
56.8%	0	1,009	1,009	
58.0%	0	1,007	1,007	
59.3%	0	1,001	1,001	
60.5%	0	987	987	
61.7%	0	987	987	
63.0%	0	982	982	
64.2%	0	975	975	
65.4%	0	966	966	
66.7%	0	930	930	
67.9%	0	913	913	
69.1%	0	817	817	
70.4%	0	814	814	
71.6%	0	813	813	
72.8%	0	775	775	
74.1%	0	726	726	
75.3%	0	725	725	
76.5%	0	701	701	
77.8%	0	626	626	
79.0%	0	564	564	
80.2%	0	522	522	
81.5%	0	518	518	
82.7%	0	504	504	
84.0%	0	495	495	
85.2%	0	408	408	
86.4%	0	374	374	
87.7%	0	371	371	
88.9%	0	366	366	
90.1%	0	362	362	
91.4%	0	340	340	
92.6%	0	333	333	
93.8%	0	287	287	
95.1%	0	266	266	
96.3%	0	209	209	
97.5%	0	137	137	
98.8%	0	128	128	
100.0%	0	110	110	

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,805	1,805	
12.3%	0	1,802	1,802	
13.6%	0	1,772	1,772	
14.8%	0	1,685	1,685	
16.0%	0	1,677	1,677	
17.3%	0	1,652	1,652	
18.5%	0	1,633	1,633	
19.8%	0	1,610	1,610	
21.0%	0	1,607	1,607	
22.2%	0	1,571	1,571	
23.5%	0	1,570	1,570	
24.7%	0	1,462	1,462	
25.9%	0	1,446	1,446	
27.2%	0	1,438	1,438	
28.4%	0	1,436	1,436	
29.6%	0	1,418	1,418	
30.9%	0	1,413	1,413	
32.1%	0	1,367	1,367	
33.3%	0	1,360	1,360	
34.6%	0	1,355	1,355	
35.8%	0	1,348	1,348	
37.0%	0	1,339	1,339	
38.3%	0	1,325	1,325	
39.5%	0	1,308	1,308	
40.7%	0	1,259	1,259	
42.0%	0	1,242	1,242	
43.2%	0	1,239	1,239	
44.4%	0	1,234	1,234	
45.7%	0	1,229	1,229	
46.9%	0	1,223	1,223	
48.1%	0	1,206	1,206	
49.4%	0	1,174	1,174	
50.6%	0	1,170	1,170	
51.9%	0	1,147	1,147	
53.1%	0	1,143	1,143	
54.3%	0	1,141	1,141	
55.6%	0	1,081	1,081	
56.8%	0	1,067	1,067	
58.0%	0	1,036	1,036	
59.3%	0	1,017	1,017	
60.5%	0	1,015	1,015	
61.7%	0	1,013	1,013	
63.0%	0	1,001	1,001	
64.2%	0	989	989	
65.4%	0	977	977	
66.7%	0	970	970	
67.9%	0	931	931	
69.1%	0	905	905	
70.4%	0	827	827	
71.6%	0	819	819	
72.8%	0	783	783	
74.1%	0	775	775	
75.3%	0	729	729	
76.5%	0	726	726	
77.8%	0	703	703	
79.0%	0	661	661	
80.2%	0	632	632	
81.5%	0	606	606	
82.7%	0	576	576	
84.0%	0	520	520	
85.2%	0	503	503	
86.4%	0	492	492	
87.7%	0	475	475	
88.9%	0	427	427	
90.1%	0	409	409	
91.4%	0	406	406	
92.6%	0	392	392	
93.8%	0	372	372	
95.1%	0	348	348	
96.3%	0	341	341	
97.5%	0	333	333	
98.8%	0	328	328	
100.0%	0	214	214	

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,804	1,804	
17.3%	0	1,803	1,803	
18.5%	0	1,802	1,802	
19.8%	0	1,802	1,802	
21.0%	0	1,802	1,802	
22.2%	0	1,734	1,734	
23.5%	0	1,694	1,694	
24.7%	0	1,693	1,693	
25.9%	0	1,686	1,686	
27.2%	0	1,668	1,668	
28.4%	0	1,616	1,616	
29.6%	0	1,615	1,615	
30.9%	0	1,598	1,598	
32.1%	0	1,582	1,582	
33.3%	0	1,571	1,571	
34.6%	0	1,570	1,570	
35.8%	0	1,566	1,566	
37.0%	0	1,511	1,511	
38.3%	0	1,502	1,502	
39.5%	0	1,497	1,497	
40.7%	0	1,487	1,487	
42.0%	0	1,447	1,447	
43.2%	0	1,439	1,439	
44.4%	0	1,419	1,419	
45.7%	0	1,415	1,415	
46.9%	0	1,397	1,397	
48.1%	0	1,366	1,366	
49.4%	0	1,341	1,341	
50.6%	0	1,319	1,319	
51.9%	0	1,280	1,280	
53.1%	0	1,274	1,274	
54.3%	0	1,244	1,244	
55.6%	0	1,238	1,238	
56.8%	0	1,232	1,232	
58.0%	0	1,232	1,232	
59.3%	0	1,227	1,227	
60.5%	0	1,225	1,225	
61.7%	0	1,209	1,209	
63.0%	0	1,205	1,205	
64.2%	0	1,115	1,115	
65.4%	0	1,089	1,089	
66.7%	0	1,069	1,069	
67.9%	0	1,055	1,055	
69.1%	0	1,043	1,043	
70.4%	0	994	994	
71.6%	0	990	990	
72.8%	0	988	988	
74.1%	0	888	888	
75.3%	0	851	851	
76.5%	0	838	838	
77.8%	0	787	787	
79.0%	0	784	784	
80.2%	0	770	770	
81.5%	0	723	723	
82.7%	0	652	652	
84.0%	0	641	641	
85.2%	0	628	628	
86.4%	0	612	612	
87.7%	0	611	611	
88.9%	0	597	597	
90.1%	0	538	538	
91.4%	0	528	528	
92.6%	0	522	522	
93.8%	0	491	491	
95.1%	0	440	440	
96.3%	0	429	429	
97.5%	0	405	405	
98.8%	0	351	351	
100.0%	0	336	336	

Table OP-09-b

Sites Reservoir, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,810	1,810	
22.2%	0	1,810	1,810	
23.5%	0	1,810	1,810	
24.7%	0	1,807	1,807	
25.9%	0	1,805	1,805	
27.2%	0	1,804	1,804	
28.4%	0	1,801	1,801	
29.6%	0	1,801	1,801	
30.9%	0	1,790	1,790	
32.1%	0	1,784	1,784	
33.3%	0	1,780	1,780	
34.6%	0	1,773	1,773	
35.8%	0	1,747	1,747	
37.0%	0	1,722	1,722	
38.3%	0	1,712	1,712	
39.5%	0	1,707	1,707	
40.7%	0	1,694	1,694	
42.0%	0	1,674	1,674	
43.2%	0	1,666	1,666	
44.4%	0	1,653	1,653	
45.7%	0	1,646	1,646	
46.9%	0	1,579	1,579	
48.1%	0	1,542	1,542	
49.4%	0	1,540	1,540	
50.6%	0	1,531	1,531	
51.9%	0	1,507	1,507	
53.1%	0	1,495	1,495	
54.3%	0	1,486	1,486	
55.6%	0	1,480	1,480	
56.8%	0	1,453	1,453	
58.0%	0	1,427	1,427	
59.3%	0	1,409	1,409	
60.5%	0	1,383	1,383	
61.7%	0	1,370	1,370	
63.0%	0	1,365	1,365	
64.2%	0	1,252	1,252	
65.4%	0	1,242	1,242	
66.7%	0	1,241	1,241	
67.9%	0	1,226	1,226	
69.1%	0	1,213	1,213	
70.4%	0	1,192	1,192	
71.6%	0	1,188	1,188	
72.8%	0	1,148	1,148	
74.1%	0	1,115	1,115	
75.3%	0	1,077	1,077	
76.5%	0	1,005	1,005	
77.8%	0	889	889	
79.0%	0	887	887	
80.2%	0	884	884	
81.5%	0	871	871	
82.7%	0	852	852	
84.0%	0	831	831	
85.2%	0	796	796	
86.4%	0	739	739	
87.7%	0	735	735	
88.9%	0	707	707	
90.1%	0	666	666	
91.4%	0	634	634	
92.6%	0	605	605	
93.8%	0	575	575	
95.1%	0	534	534	
96.3%	0	462	462	
97.5%	0	455	455	
98.8%	0	453	453	
100.0%	0	417	417	

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,810	1,810	
22.2%	0	1,810	1,810	
23.5%	0	1,810	1,810	
24.7%	0	1,810	1,810	
25.9%	0	1,810	1,810	
27.2%	0	1,810	1,810	
28.4%	0	1,810	1,810	
29.6%	0	1,810	1,810	
30.9%	0	1,810	1,810	
32.1%	0	1,810	1,810	
33.3%	0	1,810	1,810	
34.6%	0	1,810	1,810	
35.8%	0	1,810	1,810	
37.0%	0	1,810	1,810	
38.3%	0	1,810	1,810	
39.5%	0	1,810	1,810	
40.7%	0	1,810	1,810	
42.0%	0	1,810	1,810	
43.2%	0	1,810	1,810	
44.4%	0	1,810	1,810	
45.7%	0	1,810	1,810	
46.9%	0	1,810	1,810	
48.1%	0	1,786	1,786	
49.4%	0	1,785	1,785	
50.6%	0	1,785	1,785	
51.9%	0	1,784	1,784	
53.1%	0	1,761	1,761	
54.3%	0	1,730	1,730	
55.6%	0	1,724	1,724	
56.8%	0	1,688	1,688	
58.0%	0	1,619	1,619	
59.3%	0	1,565	1,565	
60.5%	0	1,552	1,552	
61.7%	0	1,529	1,529	
63.0%	0	1,495	1,495	
64.2%	0	1,476	1,476	
65.4%	0	1,453	1,453	
66.7%	0	1,449	1,449	
67.9%	0	1,407	1,407	
69.1%	0	1,377	1,377	
70.4%	0	1,373	1,373	
71.6%	0	1,324	1,324	
72.8%	0	1,246	1,246	
74.1%	0	1,211	1,211	
75.3%	0	1,207	1,207	
76.5%	0	1,196	1,196	
77.8%	0	1,181	1,181	
79.0%	0	1,171	1,171	
80.2%	0	1,074	1,074	
81.5%	0	1,047	1,047	
82.7%	0	1,018	1,018	
84.0%	0	993	993	
85.2%	0	909	909	
86.4%	0	898	898	
87.7%	0	853	853	
88.9%	0	840	840	
90.1%	0	827	827	
91.4%	0	785	785	
92.6%	0	774	774	
93.8%	0	735	735	
95.1%	0	717	717	
96.3%	0	699	699	
97.5%	0	674	674	
98.8%	0	672	672	
100.0%	0	519	519	

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,810	1,810	
22.2%	0	1,810	1,810	
23.5%	0	1,810	1,810	
24.7%	0	1,810	1,810	
25.9%	0	1,810	1,810	
27.2%	0	1,810	1,810	
28.4%	0	1,810	1,810	
29.6%	0	1,810	1,810	
30.9%	0	1,801	1,801	
32.1%	0	1,801	1,801	
33.3%	0	1,799	1,799	
34.6%	0	1,794	1,794	
35.8%	0	1,793	1,793	
37.0%	0	1,792	1,792	
38.3%	0	1,791	1,791	
39.5%	0	1,791	1,791	
40.7%	0	1,784	1,784	
42.0%	0	1,784	1,784	
43.2%	0	1,774	1,774	
44.4%	0	1,771	1,771	
45.7%	0	1,770	1,770	
46.9%	0	1,769	1,769	
48.1%	0	1,767	1,767	
49.4%	0	1,764	1,764	
50.6%	0	1,762	1,762	
51.9%	0	1,733	1,733	
53.1%	0	1,729	1,729	
54.3%	0	1,714	1,714	
55.6%	0	1,710	1,710	
56.8%	0	1,687	1,687	
58.0%	0	1,673	1,673	
59.3%	0	1,659	1,659	
60.5%	0	1,585	1,585	
61.7%	0	1,574	1,574	
63.0%	0	1,531	1,531	
64.2%	0	1,509	1,509	
65.4%	0	1,486	1,486	
66.7%	0	1,456	1,456	
67.9%	0	1,432	1,432	
69.1%	0	1,415	1,415	
70.4%	0	1,352	1,352	
71.6%	0	1,316	1,316	
72.8%	0	1,314	1,314	
74.1%	0	1,185	1,185	
75.3%	0	1,160	1,160	
76.5%	0	1,137	1,137	
77.8%	0	1,127	1,127	
79.0%	0	1,113	1,113	
80.2%	0	1,025	1,025	
81.5%	0	977	977	
82.7%	0	972	972	
84.0%	0	932	932	
85.2%	0	926	926	
86.4%	0	919	919	
87.7%	0	880	880	
88.9%	0	875	875	
90.1%	0	816	816	
91.4%	0	800	800	
92.6%	0	796	796	
93.8%	0	768	768	
95.1%	0	739	739	
96.3%	0	691	691	
97.5%	0	647	647	
98.8%	0	594	594	
100.0%	0	461	461	

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,778	1,778	
12.3%	0	1,777	1,777	
13.6%	0	1,777	1,777	
14.8%	0	1,772	1,772	
16.0%	0	1,769	1,769	
17.3%	0	1,769	1,769	
18.5%	0	1,768	1,768	
19.8%	0	1,768	1,768	
21.0%	0	1,768	1,768	
22.2%	0	1,766	1,766	
23.5%	0	1,765	1,765	
24.7%	0	1,764	1,764	
25.9%	0	1,761	1,761	
27.2%	0	1,759	1,759	
28.4%	0	1,756	1,756	
29.6%	0	1,755	1,755	
30.9%	0	1,752	1,752	
32.1%	0	1,752	1,752	
33.3%	0	1,751	1,751	
34.6%	0	1,747	1,747	
35.8%	0	1,745	1,745	
37.0%	0	1,741	1,741	
38.3%	0	1,738	1,738	
39.5%	0	1,734	1,734	
40.7%	0	1,732	1,732	
42.0%	0	1,730	1,730	
43.2%	0	1,729	1,729	
44.4%	0	1,725	1,725	
45.7%	0	1,721	1,721	
46.9%	0	1,720	1,720	
48.1%	0	1,718	1,718	
49.4%	0	1,718	1,718	
50.6%	0	1,713	1,713	
51.9%	0	1,704	1,704	
53.1%	0	1,696	1,696	
54.3%	0	1,693	1,693	
55.6%	0	1,688	1,688	
56.8%	0	1,672	1,672	
58.0%	0	1,604	1,604	
59.3%	0	1,596	1,596	
60.5%	0	1,566	1,566	
61.7%	0	1,547	1,547	
63.0%	0	1,499	1,499	
64.2%	0	1,471	1,471	
65.4%	0	1,434	1,434	
66.7%	0	1,430	1,430	
67.9%	0	1,419	1,419	
69.1%	0	1,385	1,385	
70.4%	0	1,330	1,330	
71.6%	0	1,299	1,299	
72.8%	0	1,293	1,293	
74.1%	0	1,284	1,284	
75.3%	0	1,148	1,148	
76.5%	0	1,128	1,128	
77.8%	0	1,048	1,048	
79.0%	0	1,038	1,038	
80.2%	0	1,019	1,019	
81.5%	0	1,003	1,003	
82.7%	0	887	887	
84.0%	0	857	857	
85.2%	0	852	852	
86.4%	0	846	846	
87.7%	0	837	837	
88.9%	0	835	835	
90.1%	0	770	770	
91.4%	0	762	762	
92.6%	0	681	681	
93.8%	0	670	670	
95.1%	0	590	590	
96.3%	0	587	587	
97.5%	0	511	511	
98.8%	0	500	500	
100.0%	0	428	428	

Table OP-09-b

Sites Reservoir, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,806	1,806	
7.4%	0	1,801	1,801	
8.6%	0	1,801	1,801	
9.9%	0	1,800	1,800	
11.1%	0	1,786	1,786	
12.3%	0	1,766	1,766	
13.6%	0	1,737	1,737	
14.8%	0	1,729	1,729	
16.0%	0	1,721	1,721	
17.3%	0	1,719	1,719	
18.5%	0	1,709	1,709	
19.8%	0	1,701	1,701	
21.0%	0	1,695	1,695	
22.2%	0	1,694	1,694	
23.5%	0	1,693	1,693	
24.7%	0	1,688	1,688	
25.9%	0	1,685	1,685	
27.2%	0	1,679	1,679	
28.4%	0	1,669	1,669	
29.6%	0	1,665	1,665	
30.9%	0	1,640	1,640	
32.1%	0	1,619	1,619	
33.3%	0	1,615	1,615	
34.6%	0	1,609	1,609	
35.8%	0	1,608	1,608	
37.0%	0	1,588	1,588	
38.3%	0	1,581	1,581	
39.5%	0	1,575	1,575	
40.7%	0	1,574	1,574	
42.0%	0	1,572	1,572	
43.2%	0	1,571	1,571	
44.4%	0	1,565	1,565	
45.7%	0	1,564	1,564	
46.9%	0	1,563	1,563	
48.1%	0	1,559	1,559	
49.4%	0	1,554	1,554	
50.6%	0	1,554	1,554	
51.9%	0	1,553	1,553	
53.1%	0	1,537	1,537	
54.3%	0	1,532	1,532	
55.6%	0	1,512	1,512	
56.8%	0	1,493	1,493	
58.0%	0	1,476	1,476	
59.3%	0	1,468	1,468	
60.5%	0	1,463	1,463	
61.7%	0	1,443	1,443	
63.0%	0	1,433	1,433	
64.2%	0	1,425	1,425	
65.4%	0	1,412	1,412	
66.7%	0	1,398	1,398	
67.9%	0	1,307	1,307	
69.1%	0	1,270	1,270	
70.4%	0	1,192	1,192	
71.6%	0	1,182	1,182	
72.8%	0	1,130	1,130	
74.1%	0	1,115	1,115	
75.3%	0	1,097	1,097	
76.5%	0	1,052	1,052	
77.8%	0	936	936	
79.0%	0	908	908	
80.2%	0	889	889	
81.5%	0	889	889	
82.7%	0	819	819	
84.0%	0	811	811	
85.2%	0	745	745	
86.4%	0	724	724	
87.7%	0	717	717	
88.9%	0	702	702	
90.1%	0	674	674	
91.4%	0	645	645	
92.6%	0	604	604	
93.8%	0	576	576	
95.1%	0	528	528	
96.3%	0	437	437	
97.5%	0	358	358	
98.8%	0	333	333	
100.0%	0	327	327	

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,804	1,804	
4.9%	0	1,799	1,799	
6.2%	0	1,753	1,753	
7.4%	0	1,750	1,750	
8.6%	0	1,748	1,748	
9.9%	0	1,737	1,737	
11.1%	0	1,735	1,735	
12.3%	0	1,708	1,708	
13.6%	0	1,658	1,658	
14.8%	0	1,655	1,655	
16.0%	0	1,654	1,654	
17.3%	0	1,649	1,649	
18.5%	0	1,646	1,646	
19.8%	0	1,642	1,642	
21.0%	0	1,620	1,620	
22.2%	0	1,596	1,596	
23.5%	0	1,594	1,594	
24.7%	0	1,563	1,563	
25.9%	0	1,553	1,553	
27.2%	0	1,549	1,549	
28.4%	0	1,547	1,547	
29.6%	0	1,541	1,541	
30.9%	0	1,516	1,516	
32.1%	0	1,507	1,507	
33.3%	0	1,503	1,503	
34.6%	0	1,491	1,491	
35.8%	0	1,481	1,481	
37.0%	0	1,458	1,458	
38.3%	0	1,450	1,450	
39.5%	0	1,431	1,431	
40.7%	0	1,427	1,427	
42.0%	0	1,397	1,397	
43.2%	0	1,393	1,393	
44.4%	0	1,391	1,391	
45.7%	0	1,382	1,382	
46.9%	0	1,380	1,380	
48.1%	0	1,377	1,377	
49.4%	0	1,374	1,374	
50.6%	0	1,374	1,374	
51.9%	0	1,372	1,372	
53.1%	0	1,367	1,367	
54.3%	0	1,362	1,362	
55.6%	0	1,358	1,358	
56.8%	0	1,353	1,353	
58.0%	0	1,352	1,352	
59.3%	0	1,337	1,337	
60.5%	0	1,332	1,332	
61.7%	0	1,323	1,323	
63.0%	0	1,315	1,315	
64.2%	0	1,292	1,292	
65.4%	0	1,246	1,246	
66.7%	0	1,208	1,208	
67.9%	0	1,191	1,191	
69.1%	0	1,071	1,071	
70.4%	0	1,065	1,065	
71.6%	0	1,037	1,037	
72.8%	0	934	934	
74.1%	0	918	918	
75.3%	0	906	906	
76.5%	0	899	899	
77.8%	0	823	823	
79.0%	0	791	791	
80.2%	0	773	773	
81.5%	0	759	759	
82.7%	0	746	746	
84.0%	0	745	745	
85.2%	0	675	675	
86.4%	0	627	627	
87.7%	0	601	601	
88.9%	0	574	574	
90.1%	0	557	557	
91.4%	0	547	547	
92.6%	0	531	531	
93.8%	0	424	424	
95.1%	0	404	404	
96.3%	0	316	316	
97.5%	0	285	285	
98.8%	0	284	284	
100.0%	0	251	251	

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,752	1,752	
4.9%	0	1,749	1,749	
6.2%	0	1,726	1,726	
7.4%	0	1,723	1,723	
8.6%	0	1,712	1,712	
9.9%	0	1,706	1,706	
11.1%	0	1,678	1,678	
12.3%	0	1,668	1,668	
13.6%	0	1,653	1,653	
14.8%	0	1,649	1,649	
16.0%	0	1,643	1,643	
17.3%	0	1,638	1,638	
18.5%	0	1,633	1,633	
19.8%	0	1,614	1,614	
21.0%	0	1,613	1,613	
22.2%	0	1,566	1,566	
23.5%	0	1,542	1,542	
24.7%	0	1,510	1,510	
25.9%	0	1,490	1,490	
27.2%	0	1,486	1,486	
28.4%	0	1,482	1,482	
29.6%	0	1,465	1,465	
30.9%	0	1,452	1,452	
32.1%	0	1,412	1,412	
33.3%	0	1,411	1,411	
34.6%	0	1,396	1,396	
35.8%	0	1,394	1,394	
37.0%	0	1,375	1,375	
38.3%	0	1,362	1,362	
39.5%	0	1,353	1,353	
40.7%	0	1,350	1,350	
42.0%	0	1,347	1,347	
43.2%	0	1,345	1,345	
44.4%	0	1,344	1,344	
45.7%	0	1,342	1,342	
46.9%	0	1,334	1,334	
48.1%	0	1,328	1,328	
49.4%	0	1,316	1,316	
50.6%	0	1,267	1,267	
51.9%	0	1,264	1,264	
53.1%	0	1,245	1,245	
54.3%	0	1,243	1,243	
55.6%	0	1,234	1,234	
56.8%	0	1,195	1,195	
58.0%	0	1,195	1,195	
59.3%	0	1,190	1,190	
60.5%	0	1,186	1,186	
61.7%	0	1,183	1,183	
63.0%	0	1,180	1,180	
64.2%	0	1,153	1,153	
65.4%	0	1,135	1,135	
66.7%	0	1,119	1,119	
67.9%	0	1,078	1,078	
69.1%	0	1,004	1,004	
70.4%	0	992	992	
71.6%	0	936	936	
72.8%	0	789	789	
74.1%	0	779	779	
75.3%	0	765	765	
76.5%	0	758	758	
77.8%	0	739	739	
79.0%	0	729	729	
80.2%	0	678	678	
81.5%	0	667	667	
82.7%	0	656	656	
84.0%	0	611	611	
85.2%	0	590	590	
86.4%	0	587	587	
87.7%	0	526	526	
88.9%	0	482	482	
90.1%	0	397	397	
91.4%	0	387	387	
92.6%	0	381	381	
93.8%	0	372	372	
95.1%	0	291	291	
96.3%	0	227	227	
97.5%	0	188	188	
98.8%	0	165	165	
100.0%	0	154	154	

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,727	1,727	
1.2%	0	1,710	1,710	
2.5%	0	1,701	1,701	
3.7%	0	1,691	1,691	
4.9%	0	1,685	1,685	
6.2%	0	1,666	1,666	
7.4%	0	1,663	1,663	
8.6%	0	1,661	1,661	
9.9%	0	1,658	1,658	
11.1%	0	1,620	1,620	
12.3%	0	1,613	1,613	
13.6%	0	1,600	1,600	
14.8%	0	1,591	1,591	
16.0%	0	1,577	1,577	
17.3%	0	1,567	1,567	
18.5%	0	1,531	1,531	
19.8%	0	1,530	1,530	
21.0%	0	1,520	1,520	
22.2%	0	1,489	1,489	
23.5%	0	1,485	1,485	
24.7%	0	1,480	1,480	
25.9%	0	1,465	1,465	
27.2%	0	1,404	1,404	
28.4%	0	1,377	1,377	
29.6%	0	1,368	1,368	
30.9%	0	1,349	1,349	
32.1%	0	1,345	1,345	
33.3%	0	1,328	1,328	
34.6%	0	1,321	1,321	
35.8%	0	1,287	1,287	
37.0%	0	1,286	1,286	
38.3%	0	1,286	1,286	
39.5%	0	1,285	1,285	
40.7%	0	1,281	1,281	
42.0%	0	1,264	1,264	
43.2%	0	1,231	1,231	
44.4%	0	1,229	1,229	
45.7%	0	1,228	1,228	
46.9%	0	1,222	1,222	
48.1%	0	1,218	1,218	
49.4%	0	1,190	1,190	
50.6%	0	1,164	1,164	
51.9%	0	1,160	1,160	
53.1%	0	1,142	1,142	
54.3%	0	1,127	1,127	
55.6%	0	1,126	1,126	
56.8%	0	1,123	1,123	
58.0%	0	1,097	1,097	
59.3%	0	1,095	1,095	
60.5%	0	1,093	1,093	
61.7%	0	1,083	1,083	
63.0%	0	1,081	1,081	
64.2%	0	1,046	1,046	
65.4%	0	1,021	1,021	
66.7%	0	1,013	1,013	
67.9%	0	988	988	
69.1%	0	957	957	
70.4%	0	939	939	
71.6%	0	886	886	
72.8%	0	747	747	
74.1%	0	745	745	
75.3%	0	729	729	
76.5%	0	677	677	
77.8%	0	670	670	
79.0%	0	654	654	
80.2%	0	617	617	
81.5%	0	608	608	
82.7%	0	596	596	
84.0%	0	534	534	
85.2%	0	507	507	
86.4%	0	486	486	
87.7%	0	484	484	
88.9%	0	418	418	
90.1%	0	356	356	
91.4%	0	344	344	
92.6%	0	339	339	
93.8%	0	298	298	
95.1%	0	266	266	
96.3%	0	211	211	
97.5%	0	162	162	
98.8%	0	143	143	
100.0%	0	129	129	

Figure OP-10-b
Sites Reservoir, End of Month Elevation
Probability of Exceedance

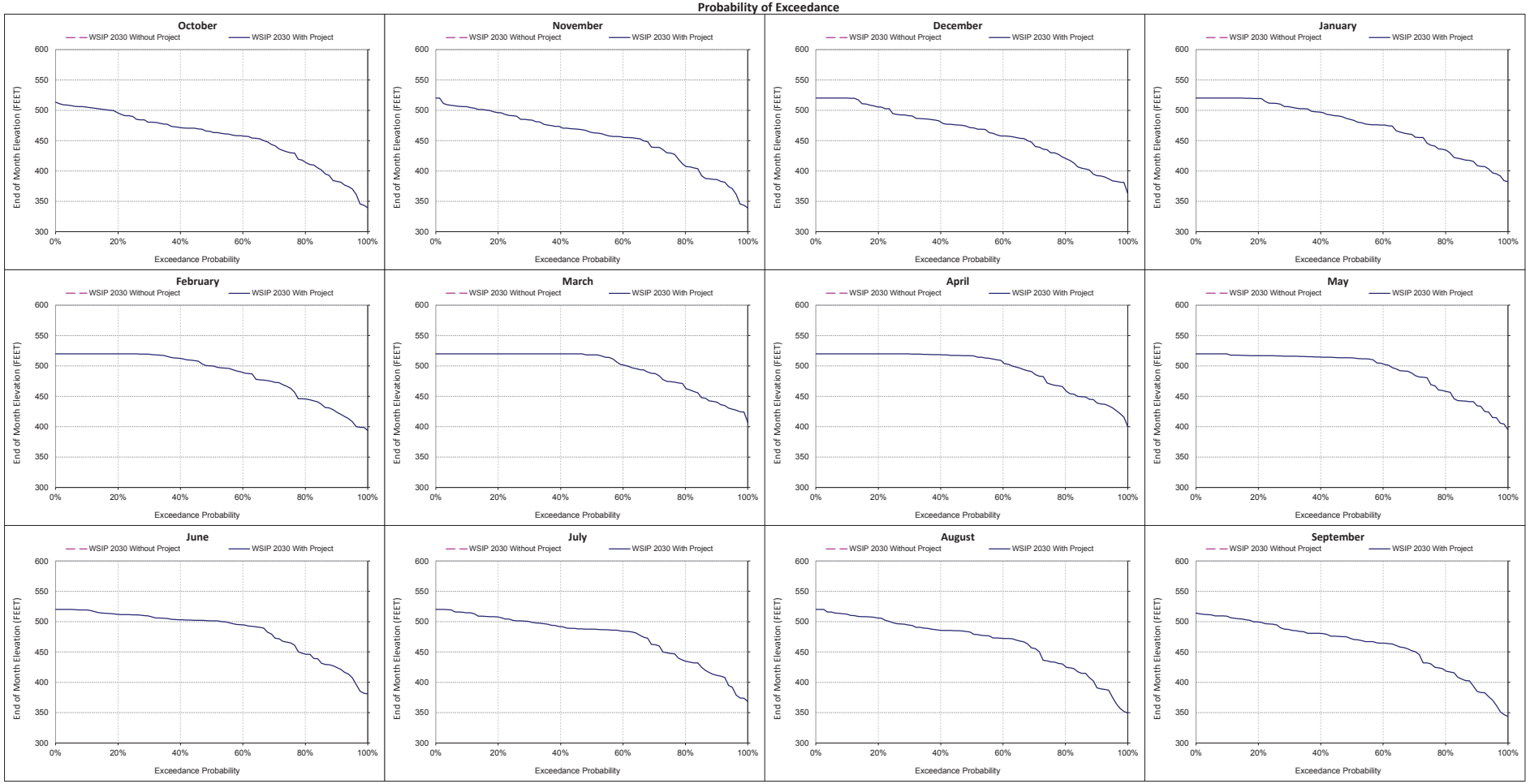


Table OP-10-b

Sites Reservoir, End of Month Elevation
Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	513	513	
1.2%	0	511	511	
2.5%	0	509	509	
3.7%	0	509	509	
4.9%	0	508	508	
6.2%	0	507	507	
7.4%	0	506	506	
8.6%	0	506	506	
9.9%	0	505	505	
11.1%	0	504	504	
12.3%	0	503	503	
13.6%	0	503	503	
14.8%	0	502	502	
16.0%	0	501	501	
17.3%	0	500	500	
18.5%	0	500	500	
19.8%	0	496	496	
21.0%	0	493	493	
22.2%	0	491	491	
23.5%	0	491	491	
24.7%	0	490	490	
25.9%	0	485	485	
27.2%	0	484	484	
28.4%	0	484	484	
29.6%	0	480	480	
30.9%	0	480	480	
32.1%	0	480	480	
33.3%	0	479	479	
34.6%	0	477	477	
35.8%	0	477	477	
37.0%	0	474	474	
38.3%	0	473	473	
39.5%	0	472	472	
40.7%	0	471	471	
42.0%	0	471	471	
43.2%	0	471	471	
44.4%	0	470	470	
45.7%	0	469	469	
46.9%	0	469	469	
48.1%	0	466	466	
49.4%	0	466	466	
50.6%	0	464	464	
51.9%	0	463	463	
53.1%	0	462	462	
54.3%	0	461	461	
55.6%	0	461	461	
56.8%	0	459	459	
58.0%	0	458	458	
59.3%	0	458	458	
60.5%	0	457	457	
61.7%	0	457	457	
63.0%	0	454	454	
64.2%	0	454	454	
65.4%	0	453	453	
66.7%	0	450	450	
67.9%	0	448	448	
69.1%	0	444	444	
70.4%	0	442	442	
71.6%	0	436	436	
72.8%	0	434	434	
74.1%	0	431	431	
75.3%	0	430	430	
76.5%	0	430	430	
77.8%	0	419	419	
79.0%	0	418	418	
80.2%	0	414	414	
81.5%	0	411	411	
82.7%	0	410	410	
84.0%	0	405	405	
85.2%	0	402	402	
86.4%	0	395	395	
87.7%	0	392	392	
88.9%	0	384	384	
90.1%	0	383	383	
91.4%	0	382	382	
92.6%	0	377	377	
93.8%	0	374	374	
95.1%	0	371	371	
96.3%	0	362	362	
97.5%	0	345	345	
98.8%	0	344	344	
100.0%	0	339	339	

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	511	511	
3.7%	0	509	509	
4.9%	0	508	508	
6.2%	0	507	507	
7.4%	0	507	507	
8.6%	0	506	506	
9.9%	0	506	506	
11.1%	0	505	505	
12.3%	0	503	503	
13.6%	0	502	502	
14.8%	0	501	501	
16.0%	0	501	501	
17.3%	0	500	500	
18.5%	0	498	498	
19.8%	0	496	496	
21.0%	0	496	496	
22.2%	0	493	493	
23.5%	0	492	492	
24.7%	0	491	491	
25.9%	0	490	490	
27.2%	0	485	485	
28.4%	0	485	485	
29.6%	0	484	484	
30.9%	0	484	484	
32.1%	0	481	481	
33.3%	0	481	481	
34.6%	0	477	477	
35.8%	0	476	476	
37.0%	0	475	475	
38.3%	0	474	474	
39.5%	0	474	474	
40.7%	0	471	471	
42.0%	0	471	471	
43.2%	0	470	470	
44.4%	0	469	469	
45.7%	0	469	469	
46.9%	0	468	468	
48.1%	0	467	467	
49.4%	0	464	464	
50.6%	0	463	463	
51.9%	0	463	463	
53.1%	0	461	461	
54.3%	0	459	459	
55.6%	0	458	458	
56.8%	0	457	457	
58.0%	0	457	457	
59.3%	0	456	456	
60.5%	0	455	455	
61.7%	0	455	455	
63.0%	0	455	455	
64.2%	0	454	454	
65.4%	0	453	453	
66.7%	0	450	450	
67.9%	0	448	448	
69.1%	0	439	439	
70.4%	0	439	439	
71.6%	0	439	439	
72.8%	0	435	435	
74.1%	0	430	430	
75.3%	0	430	430	
76.5%	0	427	427	
77.8%	0	419	419	
79.0%	0	412	412	
80.2%	0	407	407	
81.5%	0	407	407	
82.7%	0	405	405	
84.0%	0	404	404	
85.2%	0	392	392	
86.4%	0	388	388	
87.7%	0	387	387	
88.9%	0	386	386	
90.1%	0	386	386	
91.4%	0	383	383	
92.6%	0	382	382	
93.8%	0	374	374	
95.1%	0	371	371	
96.3%	0	361	361	
97.5%	0	346	346	
98.8%	0	344	344	
100.0%	0	339	339	

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	517	517	
14.8%	0	511	511	
16.0%	0	510	510	
17.3%	0	509	509	
18.5%	0	507	507	
19.8%	0	506	506	
21.0%	0	505	505	
22.2%	0	503	503	
23.5%	0	503	503	
24.7%	0	494	494	
25.9%	0	493	493	
27.2%	0	493	493	
28.4%	0	492	492	
29.6%	0	491	491	
30.9%	0	491	491	
32.1%	0	487	487	
33.3%	0	486	486	
34.6%	0	486	486	
35.8%	0	486	486	
37.0%	0	485	485	
38.3%	0	484	484	
39.5%	0	482	482	
40.7%	0	478	478	
42.0%	0	477	477	
43.2%	0	477	477	
44.4%	0	476	476	
45.7%	0	476	476	
46.9%	0	475	475	
48.1%	0	474	474	
49.4%	0	471	471	
50.6%	0	471	471	
51.9%	0	469	469	
53.1%	0	469	469	
54.3%	0	469	469	
55.6%	0	463	463	
56.8%	0	462	462	
58.0%	0	460	460	
59.3%	0	458	458	
60.5%	0	458	458	
61.7%	0	457	457	
63.0%	0	456	456	
64.2%	0	455	455	
65.4%	0	454	454	
66.7%	0	453	453	
67.9%	0	450	450	
69.1%	0	447	447	
70.4%	0	440	440	
71.6%	0	439	439	
72.8%	0	436	436	
74.1%	0	435	435	
75.3%	0	430	430	
76.5%	0	430	430	
77.8%	0	427	427	
79.0%	0	423	423	
80.2%	0	420	420	
81.5%	0	417	417	
82.7%	0	413	413	
84.0%	0	407	407	
85.2%	0	405	405	
86.4%	0	404	404	
87.7%	0	402	402	
88.9%	0	395	395	
90.1%	0	392	392	
91.4%	0	392	392	
92.6%	0	390	390	
93.8%	0	387	387	
95.1%	0	384	384	
96.3%	0	383	383	
97.5%	0	382	382	
98.8%	0	381	381	
100.0%	0	362	362	

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	515	515	
23.5%	0	512	512	
24.7%	0	512	512	
25.9%	0	511	511	
27.2%	0	510	510	
28.4%	0	506	506	
29.6%	0	506	506	
30.9%	0	505	505	
32.1%	0	504	504	
33.3%	0	503	503	
34.6%	0	503	503	
35.8%	0	502	502	
37.0%	0	498	498	
38.3%	0	498	498	
39.5%	0	497	497	
40.7%	0	496	496	
42.0%	0	493	493	
43.2%	0	493	493	
44.4%	0	491	491	
45.7%	0	491	491	
46.9%	0	489	489	
48.1%	0	487	487	
49.4%	0	485	485	
50.6%	0	483	483	
51.9%	0	480	480	
53.1%	0	480	480	
54.3%	0	477	477	
55.6%	0	477	477	
56.8%	0	476	476	
58.0%	0	476	476	
59.3%	0	476	476	
60.5%	0	476	476	
61.7%	0	474	474	
63.0%	0	474	474	
64.2%	0	466	466	
65.4%	0	464	464	
66.7%	0	462	462	
67.9%	0	461	461	
69.1%	0	460	460	
70.4%	0	456	456	
71.6%	0	455	455	
72.8%	0	455	455	
74.1%	0	446	446	
75.3%	0	442	442	
76.5%	0	441	441	
77.8%	0	436	436	
79.0%	0	436	436	
80.2%	0	434	434	
81.5%	0	430	430	
82.7%	0	422	422	
84.0%	0	421	421	
85.2%	0	420	420	
86.4%	0	418	418	
87.7%	0	418	418	
88.9%	0	416	416	
90.1%	0	409	409	
91.4%	0	408	408	
92.6%	0	407	407	
93.8%	0	403	403	
95.1%	0	397	397	
96.3%	0	395	395	
97.5%	0	392	392	
98.8%	0	384	384	
100.0%	0	382	382	

Table OP-10-b

Sites Reservoir, End of Month Elevation
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	520	520	
27.2%	0	520	520	
28.4%	0	520	520	
29.6%	0	520	520	
30.9%	0	519	519	
32.1%	0	518	518	
33.3%	0	518	518	
34.6%	0	517	517	
35.8%	0	516	516	
37.0%	0	514	514	
38.3%	0	513	513	
39.5%	0	513	513	
40.7%	0	512	512	
42.0%	0	510	510	
43.2%	0	510	510	
44.4%	0	509	509	
45.7%	0	508	508	
46.9%	0	503	503	
48.1%	0	501	501	
49.4%	0	500	500	
50.6%	0	500	500	
51.9%	0	498	498	
53.1%	0	497	497	
54.3%	0	496	496	
55.6%	0	496	496	
56.8%	0	494	494	
58.0%	0	492	492	
59.3%	0	490	490	
60.5%	0	488	488	
61.7%	0	487	487	
63.0%	0	487	487	
64.2%	0	478	478	
65.4%	0	477	477	
66.7%	0	477	477	
67.9%	0	476	476	
69.1%	0	475	475	
70.4%	0	473	473	
71.6%	0	472	472	
72.8%	0	469	469	
74.1%	0	466	466	
75.3%	0	463	463	
76.5%	0	457	457	
77.8%	0	446	446	
79.0%	0	446	446	
80.2%	0	446	446	
81.5%	0	444	444	
82.7%	0	443	443	
84.0%	0	441	441	
85.2%	0	437	437	
86.4%	0	431	431	
87.7%	0	431	431	
88.9%	0	428	428	
90.1%	0	424	424	
91.4%	0	420	420	
92.6%	0	417	417	
93.8%	0	413	413	
95.1%	0	408	408	
96.3%	0	400	400	
97.5%	0	399	399	
98.8%	0	399	399	
100.0%	0	394	394	

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	520	520	
27.2%	0	520	520	
28.4%	0	520	520	
29.6%	0	520	520	
30.9%	0	520	520	
32.1%	0	520	520	
33.3%	0	520	520	
34.6%	0	520	520	
35.8%	0	520	520	
37.0%	0	520	520	
38.3%	0	520	520	
39.5%	0	520	520	
40.7%	0	520	520	
42.0%	0	520	520	
43.2%	0	520	520	
44.4%	0	520	520	
45.7%	0	520	520	
46.9%	0	520	520	
48.1%	0	518	518	
49.4%	0	518	518	
50.6%	0	518	518	
51.9%	0	518	518	
53.1%	0	517	517	
54.3%	0	514	514	
55.6%	0	514	514	
56.8%	0	511	511	
58.0%	0	506	506	
59.3%	0	502	502	
60.5%	0	501	501	
61.7%	0	500	500	
63.0%	0	497	497	
64.2%	0	496	496	
65.4%	0	494	494	
66.7%	0	493	493	
67.9%	0	490	490	
69.1%	0	488	488	
70.4%	0	488	488	
71.6%	0	484	484	
72.8%	0	477	477	
74.1%	0	474	474	
75.3%	0	474	474	
76.5%	0	473	473	
77.8%	0	472	472	
79.0%	0	471	471	
80.2%	0	463	463	
81.5%	0	461	461	
82.7%	0	458	458	
84.0%	0	456	456	
85.2%	0	448	448	
86.4%	0	447	447	
87.7%	0	443	443	
88.9%	0	442	442	
90.1%	0	440	440	
91.4%	0	436	436	
92.6%	0	435	435	
93.8%	0	431	431	
95.1%	0	429	429	
96.3%	0	427	427	
97.5%	0	424	424	
98.8%	0	424	424	
100.0%	0	407	407	

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	520	520	
27.2%	0	520	520	
28.4%	0	520	520	
29.6%	0	520	520	
30.9%	0	520	520	
32.1%	0	520	520	
33.3%	0	519	519	
34.6%	0	519	519	
35.8%	0	519	519	
37.0%	0	519	519	
38.3%	0	519	519	
39.5%	0	519	519	
40.7%	0	518	518	
42.0%	0	518	518	
43.2%	0	518	518	
44.4%	0	517	517	
45.7%	0	517	517	
46.9%	0	517	517	
48.1%	0	517	517	
49.4%	0	517	517	
50.6%	0	517	517	
51.9%	0	515	515	
53.1%	0	514	514	
54.3%	0	513	513	
55.6%	0	513	513	
56.8%	0	511	511	
58.0%	0	510	510	
59.3%	0	509	509	
60.5%	0	504	504	
61.7%	0	503	503	
63.0%	0	500	500	
64.2%	0	498	498	
65.4%	0	496	496	
66.7%	0	494	494	
67.9%	0	492	492	
69.1%	0	491	491	
70.4%	0	486	486	
71.6%	0	483	483	
72.8%	0	483	483	
74.1%	0	472	472	
75.3%	0	470	470	
76.5%	0	468	468	
77.8%	0	467	467	
79.0%	0	466	466	
80.2%	0	459	459	
81.5%	0	454	454	
82.7%	0	454	454	
84.0%	0	450	450	
85.2%	0	449	449	
86.4%	0	449	449	
87.7%	0	445	445	
88.9%	0	445	445	
90.1%	0	439	439	
91.4%	0	437	437	
92.6%	0	437	437	
93.8%	0	434	434	
95.1%	0	431	431	
96.3%	0	426	426	
97.5%	0	422	422	
98.8%	0	416	416	
100.0%	0	400	400	

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	518	518	
12.3%	0	518	518	
13.6%	0	518	518	
14.8%	0	517	517	
16.0%	0	517	517	
17.3%	0	517	517	
18.5%	0	517	517	
19.8%	0	517	517	
21.0%	0	517	517	
22.2%	0	517	517	
23.5%	0	517	517	
24.7%	0	517	517	
25.9%	0	517	517	
27.2%	0	516	516	
28.4%	0	516	516	
29.6%	0	516	516	
30.9%	0	516	516	
32.1%	0	516	516	
33.3%	0	516	516	
34.6%	0	516	516	
35.8%	0	515	515	
37.0%	0	515	515	
38.3%	0	515	515	
39.5%	0	515	515	
40.7%	0	514	514	
42.0%	0	514	514	
43.2%	0	514	514	
44.4%	0	514	514	
45.7%	0	514	514	
46.9%	0	514	514	
48.1%	0	513	513	
49.4%	0	513	513	
50.6%	0	513	513	
51.9%	0	512	512	
53.1%	0	512	512	
54.3%	0	512	512	
55.6%	0	511	511	
56.8%	0	510	510	
58.0%	0	505	505	
59.3%	0	505	505	
60.5%	0	502	502	
61.7%	0	501	501	
63.0%	0	497	497	
64.2%	0	495	495	
65.4%	0	492	492	
66.7%	0	492	492	
67.9%	0	491	491	
69.1%	0	488	488	
70.4%	0	484	484	
71.6%	0	482	482	
72.8%	0	481	481	
74.1%	0	481	481	
75.3%	0	469	469	
76.5%	0	467	467	
77.8%	0	461	461	
79.0%	0	460	460	
80.2%	0	458	458	
81.5%	0	457	457	
82.7%	0	446	446	
84.0%	0	443	443	
85.2%	0	443	443	
86.4%	0	442	442	
87.7%	0	441	441	
88.9%	0	441	441	
90.1%	0	434	434	
91.4%	0	434	434	
92.6%	0	425	425	
93.8%	0	424	424	
95.1%	0	415	415	
96.3%	0	415	415	
97.5%	0	406	406	
98.8%	0	405	405	
100.0%	0	395	395	

Table OP-10-b

Sites Reservoir, End of Month Elevation
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	519	519	
8.6%	0	519	519	
9.9%	0	519	519	
11.1%	0	518	518	
12.3%	0	517	517	
13.6%	0	515	515	
14.8%	0	514	514	
16.0%	0	514	514	
17.3%	0	514	514	
18.5%	0	513	513	
19.8%	0	512	512	
21.0%	0	512	512	
22.2%	0	512	512	
23.5%	0	512	512	
24.7%	0	511	511	
25.9%	0	511	511	
27.2%	0	511	511	
28.4%	0	510	510	
29.6%	0	510	510	
30.9%	0	508	508	
32.1%	0	506	506	
33.3%	0	506	506	
34.6%	0	505	505	
35.8%	0	505	505	
37.0%	0	504	504	
38.3%	0	503	503	
39.5%	0	503	503	
40.7%	0	503	503	
42.0%	0	503	503	
43.2%	0	503	503	
44.4%	0	502	502	
45.7%	0	502	502	
46.9%	0	502	502	
48.1%	0	502	502	
49.4%	0	502	502	
50.6%	0	501	501	
51.9%	0	501	501	
53.1%	0	500	500	
54.3%	0	500	500	
55.6%	0	498	498	
56.8%	0	497	497	
58.0%	0	495	495	
59.3%	0	495	495	
60.5%	0	495	495	
61.7%	0	493	493	
63.0%	0	492	492	
64.2%	0	492	492	
65.4%	0	491	491	
66.7%	0	489	489	
67.9%	0	482	482	
69.1%	0	479	479	
70.4%	0	473	473	
71.6%	0	472	472	
72.8%	0	468	468	
74.1%	0	466	466	
75.3%	0	465	465	
76.5%	0	461	461	
77.8%	0	450	450	
79.0%	0	448	448	
80.2%	0	446	446	
81.5%	0	446	446	
82.7%	0	439	439	
84.0%	0	439	439	
85.2%	0	432	432	
86.4%	0	430	430	
87.7%	0	429	429	
88.9%	0	427	427	
90.1%	0	424	424	
91.4%	0	421	421	
92.6%	0	417	417	
93.8%	0	413	413	
95.1%	0	408	408	
96.3%	0	396	396	
97.5%	0	385	385	
98.8%	0	382	382	
100.0%	0	381	381	

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	519	519	
6.2%	0	516	516	
7.4%	0	516	516	
8.6%	0	516	516	
9.9%	0	515	515	
11.1%	0	515	515	
12.3%	0	513	513	
13.6%	0	509	509	
14.8%	0	509	509	
16.0%	0	509	509	
17.3%	0	508	508	
18.5%	0	508	508	
19.8%	0	508	508	
21.0%	0	506	506	
22.2%	0	505	505	
23.5%	0	504	504	
24.7%	0	502	502	
25.9%	0	501	501	
27.2%	0	501	501	
28.4%	0	501	501	
29.6%	0	501	501	
30.9%	0	499	499	
32.1%	0	498	498	
33.3%	0	498	498	
34.6%	0	497	497	
35.8%	0	496	496	
37.0%	0	494	494	
38.3%	0	493	493	
39.5%	0	492	492	
40.7%	0	492	492	
42.0%	0	489	489	
43.2%	0	489	489	
44.4%	0	489	489	
45.7%	0	488	488	
46.9%	0	488	488	
48.1%	0	488	488	
49.4%	0	488	488	
50.6%	0	488	488	
51.9%	0	487	487	
53.1%	0	487	487	
54.3%	0	487	487	
55.6%	0	486	486	
56.8%	0	486	486	
58.0%	0	486	486	
59.3%	0	485	485	
60.5%	0	484	484	
61.7%	0	484	484	
63.0%	0	483	483	
64.2%	0	481	481	
65.4%	0	477	477	
66.7%	0	474	474	
67.9%	0	473	473	
69.1%	0	463	463	
70.4%	0	462	462	
71.6%	0	460	460	
72.8%	0	450	450	
74.1%	0	449	449	
75.3%	0	448	448	
76.5%	0	447	447	
77.8%	0	440	440	
79.0%	0	437	437	
80.2%	0	435	435	
81.5%	0	433	433	
82.7%	0	432	432	
84.0%	0	432	432	
85.2%	0	425	425	
86.4%	0	419	419	
87.7%	0	416	416	
88.9%	0	413	413	
90.1%	0	411	411	
91.4%	0	410	410	
92.6%	0	408	408	
93.8%	0	395	395	
95.1%	0	392	392	
96.3%	0	379	379	
97.5%	0	374	374	
98.8%	0	374	374	
100.0%	0	368	368	

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	516	516	
4.9%	0	516	516	
6.2%	0	514	514	
7.4%	0	514	514	
8.6%	0	513	513	
9.9%	0	513	513	
11.1%	0	511	511	
12.3%	0	510	510	
13.6%	0	509	509	
14.8%	0	508	508	
16.0%	0	508	508	
17.3%	0	508	508	
18.5%	0	507	507	
19.8%	0	506	506	
21.0%	0	506	506	
22.2%	0	502	502	
23.5%	0	501	501	
24.7%	0	498	498	
25.9%	0	497	497	
27.2%	0	496	496	
28.4%	0	496	496	
29.6%	0	495	495	
30.9%	0	494	494	
32.1%	0	491	491	
33.3%	0	490	490	
34.6%	0	489	489	
35.8%	0	489	489	
37.0%	0	488	488	
38.3%	0	487	487	
39.5%	0	486	486	
40.7%	0	486	486	
42.0%	0	485	485	
43.2%	0	485	485	
44.4%	0	485	485	
45.7%	0	485	485	
46.9%	0	484	484	
48.1%	0	484	484	
49.4%	0	483	483	
50.6%	0	479	479	
51.9%	0	479	479	
53.1%	0	477	477	
54.3%	0	477	477	
55.6%	0	476	476	
56.8%	0	473	473	
58.0%	0	473	473	
59.3%	0	473	473	
60.5%	0	472	472	
61.7%	0	472	472	
63.0%	0	472	472	
64.2%	0	470	470	
65.4%	0	468	468	
66.7%	0	467	467	
67.9%	0	463	463	
69.1%	0	457	457	
70.4%	0	456	456	
71.6%	0	450	450	
72.8%	0	436	436	
74.1%	0	435	435	
75.3%	0	434	434	
76.5%	0	433	433	
77.8%	0	431	431	
79.0%	0	430	430	
80.2%	0	425	425	
81.5%	0	424	424	
82.7%	0	422	422	
84.0%	0	418	418	
85.2%	0	415	415	
86.4%	0	415	415	
87.7%	0	408	408	
88.9%	0	402	402	
90.1%	0	391	391	
91.4%	0	389	389	
92.6%	0	389	389	
93.8%	0	387	387	
95.1%	0	375	375	
96.3%	0	364	364	
97.5%	0	357	357	
98.8%	0	352	352	
100.0%	0	349	349	

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	514	514	
1.2%	0	513	513	
2.5%	0	512	512	
3.7%	0	511	511	
4.9%	0	511	511	
6.2%	0	510	510	
7.4%	0	509	509	
8.6%	0	509	509	
9.9%	0	509	509	
11.1%	0	506	506	
12.3%	0	506	506	
13.6%	0	505	505	
14.8%	0	504	504	
16.0%	0	503	503	
17.3%	0	502	502	
18.5%	0	500	500	
19.8%	0	500	500	
21.0%	0	499	499	
22.2%	0	497	497	
23.5%	0	496	496	
24.7%	0	496	496	
25.9%	0	495	495	
27.2%	0	490	490	
28.4%	0	488	488	
29.6%	0	487	487	
30.9%	0	486	486	
32.1%	0	485	485	
33.3%	0	484	484	
34.6%	0	483	483	
35.8%	0	481	481	
37.0%	0	481	481	
38.3%	0	481	481	
39.5%	0	481	481	
40.7%	0	480	480	
42.0%	0	479	479	
43.2%	0	476	476	
44.4%	0	476	476	
45.7%	0	476	476	
46.9%	0	475	475	
48.1%	0	475	475	
49.4%	0	473	473	
50.6%	0	470	470	
51.9%	0	470	470	
53.1%	0	469	469	
54.3%	0	467	467	
55.6%	0	467	467	
56.8%	0	467	467	
58.0%	0	465	465	
59.3%	0	465	465	
60.5%	0	464	464	
61.7%	0	464	464	
63.0%	0	463	463	
64.2%	0	460	460	
65.4%	0	458	458	
66.7%	0	457	457	
67.9%	0	455	455	
69.1%	0	452	452	
70.4%	0	451	451	
71.6%	0	446	446	
72.8%	0	432	432	
74.1%	0	432	432	
75.3%	0	430	430	
76.5%	0	425	425	
77.8%	0	424	424	
79.0%	0	422	422	
80.2%	0	418	418	
81.5%	0	417	417	
82.7%	0	416	416	
84.0%	0	409	409	
85.2%	0	405	405	
86.4%	0	403	403	
87.7%	0	403	403	
88.9%	0	394	394	
90.1%	0	385	385	
91.4%	0	383	383	
92.6%	0	383	383	
93.8%	0	376	376	
95.1%	0	371	371	
96.3%	0	362	362	
97.5%	0	351	351	
98.8%	0	347	347	
100.0%	0	344	344	

Figure OP-11-b
Sites Reservoir, End of Month Area
Probability of Exceedance

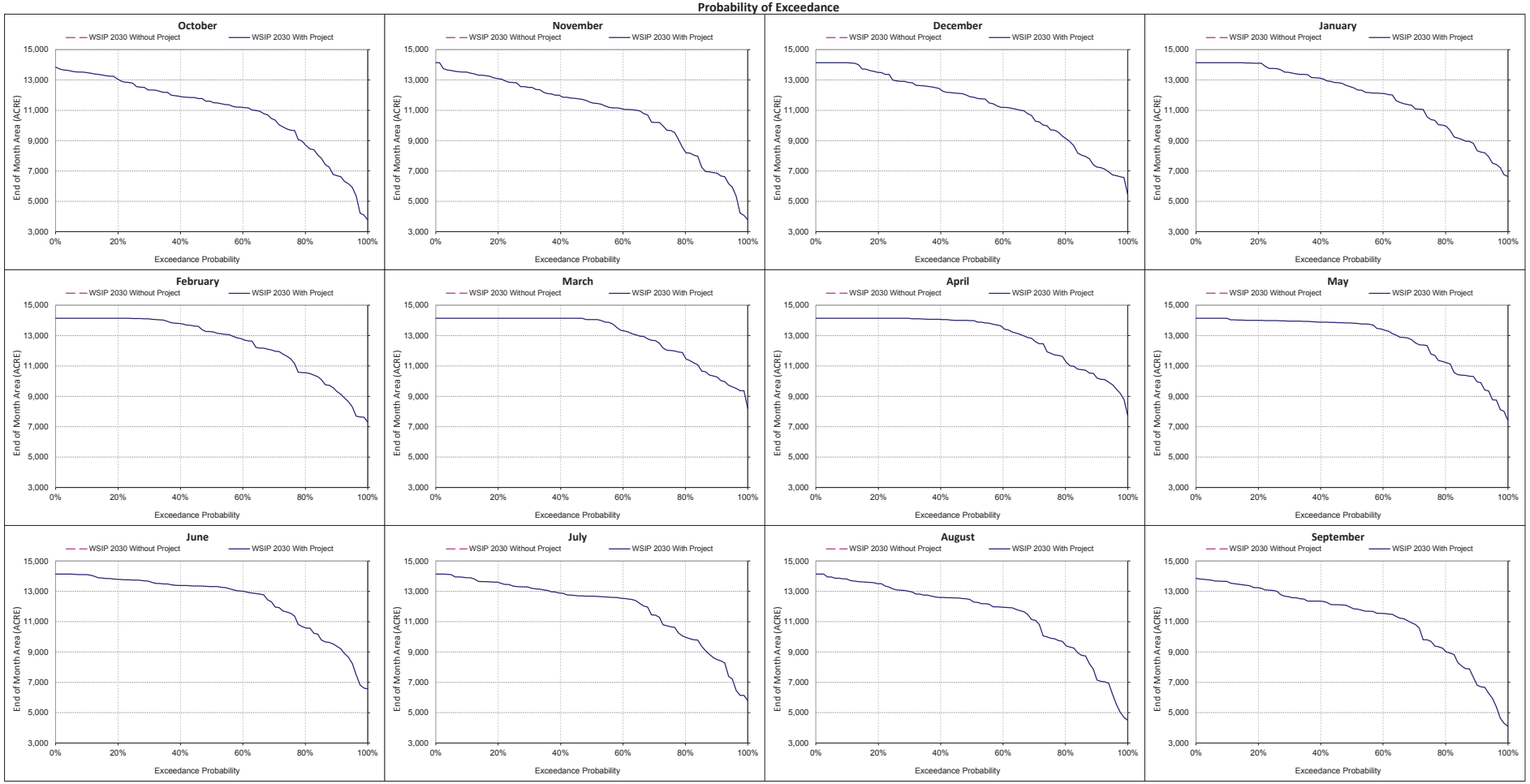


Table OP-11-b

Sites Reservoir, End of Month Area
Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	13,842	13,842	
1.2%	0	13,730	13,730	
2.5%	0	13,654	13,654	
3.7%	0	13,640	13,640	
4.9%	0	13,597	13,597	
6.2%	0	13,541	13,541	
7.4%	0	13,527	13,527	
8.6%	0	13,521	13,521	
9.9%	0	13,486	13,486	
11.1%	0	13,447	13,447	
12.3%	0	13,399	13,399	
13.6%	0	13,361	13,361	
14.8%	0	13,326	13,326	
16.0%	0	13,289	13,289	
17.3%	0	13,252	13,252	
18.5%	0	13,246	13,246	
19.8%	0	13,070	13,070	
21.0%	0	12,931	12,931	
22.2%	0	12,850	12,850	
23.5%	0	12,842	12,842	
24.7%	0	12,790	12,790	
25.9%	0	12,563	12,563	
27.2%	0	12,527	12,527	
28.4%	0	12,516	12,516	
29.6%	0	12,347	12,347	
30.9%	0	12,342	12,342	
32.1%	0	12,328	12,328	
33.3%	0	12,257	12,257	
34.6%	0	12,192	12,192	
35.8%	0	12,179	12,179	
37.0%	0	12,007	12,007	
38.3%	0	11,956	11,956	
39.5%	0	11,927	11,927	
40.7%	0	11,873	11,873	
42.0%	0	11,853	11,853	
43.2%	0	11,849	11,849	
44.4%	0	11,843	11,843	
45.7%	0	11,782	11,782	
46.9%	0	11,768	11,768	
48.1%	0	11,604	11,604	
49.4%	0	11,599	11,599	
50.6%	0	11,496	11,496	
51.9%	0	11,477	11,477	
53.1%	0	11,430	11,430	
54.3%	0	11,384	11,384	
55.6%	0	11,360	11,360	
56.8%	0	11,265	11,265	
58.0%	0	11,217	11,217	
59.3%	0	11,217	11,217	
60.5%	0	11,184	11,184	
61.7%	0	11,152	11,152	
63.0%	0	11,021	11,021	
64.2%	0	10,995	10,995	
65.4%	0	10,942	10,942	
66.7%	0	10,789	10,789	
67.9%	0	10,691	10,691	
69.1%	0	10,464	10,464	
70.4%	0	10,350	10,350	
71.6%	0	10,052	10,052	
72.8%	0	9,906	9,906	
74.1%	0	9,775	9,775	
75.3%	0	9,690	9,690	
76.5%	0	9,674	9,674	
77.8%	0	9,075	9,075	
79.0%	0	8,963	8,963	
80.2%	0	8,670	8,670	
81.5%	0	8,449	8,449	
82.7%	0	8,410	8,410	
84.0%	0	8,058	8,058	
85.2%	0	7,835	7,835	
86.4%	0	7,422	7,422	
87.7%	0	7,256	7,256	
88.9%	0	6,768	6,768	
90.1%	0	6,684	6,684	
91.4%	0	6,618	6,618	
92.6%	0	6,316	6,316	
93.8%	0	6,164	6,164	
95.1%	0	5,926	5,926	
96.3%	0	5,353	5,353	
97.5%	0	4,219	4,219	
98.8%	0	4,080	4,080	
100.0%	0	3,783	3,783	

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	13,739	13,739	
3.7%	0	13,655	13,655	
4.9%	0	13,620	13,620	
6.2%	0	13,571	13,571	
7.4%	0	13,541	13,541	
8.6%	0	13,526	13,526	
9.9%	0	13,524	13,524	
11.1%	0	13,450	13,450	
12.3%	0	13,398	13,398	
13.6%	0	13,321	13,321	
14.8%	0	13,311	13,311	
16.0%	0	13,285	13,285	
17.3%	0	13,244	13,244	
18.5%	0	13,144	13,144	
19.8%	0	13,088	13,088	
21.0%	0	13,068	13,068	
22.2%	0	12,937	12,937	
23.5%	0	12,863	12,863	
24.7%	0	12,832	12,832	
25.9%	0	12,806	12,806	
27.2%	0	12,570	12,570	
28.4%	0	12,569	12,569	
29.6%	0	12,516	12,516	
30.9%	0	12,513	12,513	
32.1%	0	12,380	12,380	
33.3%	0	12,362	12,362	
34.6%	0	12,185	12,185	
35.8%	0	12,106	12,106	
37.0%	0	12,078	12,078	
38.3%	0	12,005	12,005	
39.5%	0	11,999	11,999	
40.7%	0	11,863	11,863	
42.0%	0	11,857	11,857	
43.2%	0	11,810	11,810	
44.4%	0	11,796	11,796	
45.7%	0	11,757	11,757	
46.9%	0	11,733	11,733	
48.1%	0	11,656	11,656	
49.4%	0	11,539	11,539	
50.6%	0	11,471	11,471	
51.9%	0	11,447	11,447	
53.1%	0	11,393	11,393	
54.3%	0	11,284	11,284	
55.6%	0	11,193	11,193	
56.8%	0	11,164	11,164	
58.0%	0	11,153	11,153	
59.3%	0	11,124	11,124	
60.5%	0	11,058	11,058	
61.7%	0	11,058	11,058	
63.0%	0	11,034	11,034	
64.2%	0	11,001	11,001	
65.4%	0	10,957	10,957	
66.7%	0	10,780	10,780	
67.9%	0	10,698	10,698	
69.1%	0	10,222	10,222	
70.4%	0	10,204	10,204	
71.6%	0	10,197	10,197	
72.8%	0	9,974	9,974	
74.1%	0	9,684	9,684	
75.3%	0	9,674	9,674	
76.5%	0	9,532	9,532	
77.8%	0	9,074	9,074	
79.0%	0	8,558	8,558	
80.2%	0	8,203	8,203	
81.5%	0	8,173	8,173	
82.7%	0	8,050	8,050	
84.0%	0	7,979	7,979	
85.2%	0	7,251	7,251	
86.4%	0	6,965	6,965	
87.7%	0	6,940	6,940	
88.9%	0	6,896	6,896	
90.1%	0	6,864	6,864	
91.4%	0	6,678	6,678	
92.6%	0	6,616	6,616	
93.8%	0	6,165	6,165	
95.1%	0	5,944	5,944	
96.3%	0	5,344	5,344	
97.5%	0	4,222	4,222	
98.8%	0	4,077	4,077	
100.0%	0	3,773	3,773	

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,123	14,123	
12.3%	0	14,113	14,113	
13.6%	0	14,016	14,016	
14.8%	0	13,736	13,736	
16.0%	0	13,712	13,712	
17.3%	0	13,631	13,631	
18.5%	0	13,571	13,571	
19.8%	0	13,497	13,497	
21.0%	0	13,485	13,485	
22.2%	0	13,370	13,370	
23.5%	0	13,367	13,367	
24.7%	0	12,991	12,991	
25.9%	0	12,936	12,936	
27.2%	0	12,905	12,905	
28.4%	0	12,900	12,900	
29.6%	0	12,833	12,833	
30.9%	0	12,815	12,815	
32.1%	0	12,651	12,651	
33.3%	0	12,625	12,625	
34.6%	0	12,609	12,609	
35.8%	0	12,582	12,582	
37.0%	0	12,549	12,549	
38.3%	0	12,498	12,498	
39.5%	0	12,439	12,439	
40.7%	0	12,249	12,249	
42.0%	0	12,179	12,179	
43.2%	0	12,165	12,165	
44.4%	0	12,142	12,142	
45.7%	0	12,121	12,121	
46.9%	0	12,097	12,097	
48.1%	0	12,023	12,023	
49.4%	0	11,887	11,887	
50.6%	0	11,868	11,868	
51.9%	0	11,774	11,774	
53.1%	0	11,757	11,757	
54.3%	0	11,748	11,748	
55.6%	0	11,490	11,490	
56.8%	0	11,431	11,431	
58.0%	0	11,296	11,296	
59.3%	0	11,202	11,202	
60.5%	0	11,195	11,195	
61.7%	0	11,185	11,185	
63.0%	0	11,126	11,126	
64.2%	0	11,067	11,067	
65.4%	0	11,007	11,007	
66.7%	0	10,974	10,974	
67.9%	0	10,784	10,784	
69.1%	0	10,657	10,657	
70.4%	0	10,280	10,280	
71.6%	0	10,230	10,230	
72.8%	0	10,021	10,021	
74.1%	0	9,972	9,972	
75.3%	0	9,700	9,700	
76.5%	0	9,680	9,680	
77.8%	0	9,546	9,546	
79.0%	0	9,296	9,296	
80.2%	0	9,128	9,128	
81.5%	0	8,912	8,912	
82.7%	0	8,654	8,654	
84.0%	0	8,188	8,188	
85.2%	0	8,042	8,042	
86.4%	0	7,953	7,953	
87.7%	0	7,810	7,810	
88.9%	0	7,403	7,403	
90.1%	0	7,252	7,252	
91.4%	0	7,228	7,228	
92.6%	0	7,115	7,115	
93.8%	0	6,943	6,943	
95.1%	0	6,741	6,741	
96.3%	0	6,688	6,688	
97.5%	0	6,619	6,619	
98.8%	0	6,571	6,571	
100.0%	0	5,401	5,401	

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,118	14,118	
17.3%	0	14,115	14,115	
18.5%	0	14,113	14,113	
19.8%	0	14,112	14,112	
21.0%	0	14,111	14,111	
22.2%	0	13,893	13,893	
23.5%	0	13,765	13,765	
24.7%	0	13,764	13,764	
25.9%	0	13,739	13,739	
27.2%	0	13,681	13,681	
28.4%	0	13,514	13,514	
29.6%	0	13,513	13,513	
30.9%	0	13,459	13,459	
32.1%	0	13,406	13,406	
33.3%	0	13,372	13,372	
34.6%	0	13,367	13,367	
35.8%	0	13,356	13,356	
37.0%	0	13,171	13,171	
38.3%	0	13,138	13,138	
39.5%	0	13,121	13,121	
40.7%	0	13,084	13,084	
42.0%	0	12,940	12,940	
43.2%	0	12,910	12,910	
44.4%	0	12,839	12,839	
45.7%	0	12,823	12,823	
46.9%	0	12,760	12,760	
48.1%	0	12,646	12,646	
49.4%	0	12,557	12,557	
50.6%	0	12,479	12,479	
51.9%	0	12,338	12,338	
53.1%	0	12,315	12,315	
54.3%	0	12,187	12,187	
55.6%	0	12,162	12,162	
56.8%	0	12,134	12,134	
58.0%	0	12,133	12,133	
59.3%	0	12,114	12,114	
60.5%	0	12,103	12,103	
61.7%	0	12,036	12,036	
63.0%	0	12,022	12,022	
64.2%	0	11,635	11,635	
65.4%	0	11,526	11,526	
66.7%	0	11,438	11,438	
67.9%	0	11,381	11,381	
69.1%	0	11,327	11,327	
70.4%	0	11,090	11,090	
71.6%	0	11,073	11,073	
72.8%	0	11,062	11,062	
74.1%	0	10,577	10,577	
75.3%	0	10,395	10,395	
76.5%	0	10,329	10,329	
77.8%	0	10,043	10,043	
79.0%	0	10,025	10,025	
80.2%	0	9,942	9,942	
81.5%	0	9,666	9,666	
82.7%	0	9,246	9,246	
84.0%	0	9,181	9,181	
85.2%	0	9,095	9,095	
86.4%	0	8,962	8,962	
87.7%	0	8,947	8,947	
88.9%	0	8,831	8,831	
90.1%	0	8,342	8,342	
91.4%	0	8,253	8,253	
92.6%	0	8,203	8,203	
93.8%	0	7,947	7,947	
95.1%	0	7,514	7,514	
96.3%	0	7,419	7,419	
97.5%	0	7,223	7,223	
98.8%	0	6,767	6,767	
100.0%	0	6,645	6,645	

Table OP-11-b

Sites Reservoir, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,137	14,137	
19.8%	0	14,137	14,137	
21.0%	0	14,137	14,137	
22.2%	0	14,137	14,137	
23.5%	0	14,137	14,137	
24.7%	0	14,129	14,129	
25.9%	0	14,123	14,123	
27.2%	0	14,118	14,118	
28.4%	0	14,110	14,110	
29.6%	0	14,110	14,110	
30.9%	0	14,073	14,073	
32.1%	0	14,055	14,055	
33.3%	0	14,042	14,042	
34.6%	0	14,020	14,020	
35.8%	0	13,934	13,934	
37.0%	0	13,857	13,857	
38.3%	0	13,825	13,825	
39.5%	0	13,807	13,807	
40.7%	0	13,764	13,764	
42.0%	0	13,703	13,703	
43.2%	0	13,674	13,674	
44.4%	0	13,634	13,634	
45.7%	0	13,612	13,612	
46.9%	0	13,398	13,398	
48.1%	0	13,278	13,278	
49.4%	0	13,272	13,272	
50.6%	0	13,240	13,240	
51.9%	0	13,155	13,155	
53.1%	0	13,112	13,112	
54.3%	0	13,080	13,080	
55.6%	0	13,058	13,058	
56.8%	0	12,959	12,959	
58.0%	0	12,866	12,866	
59.3%	0	12,803	12,803	
60.5%	0	12,708	12,708	
61.7%	0	12,662	12,662	
63.0%	0	12,642	12,642	
64.2%	0	12,221	12,221	
65.4%	0	12,177	12,177	
66.7%	0	12,172	12,172	
67.9%	0	12,110	12,110	
69.1%	0	12,055	12,055	
70.4%	0	11,963	11,963	
71.6%	0	11,946	11,946	
72.8%	0	11,775	11,775	
74.1%	0	11,638	11,638	
75.3%	0	11,475	11,475	
76.5%	0	11,145	11,145	
77.8%	0	10,578	10,578	
79.0%	0	10,571	10,571	
80.2%	0	10,555	10,555	
81.5%	0	10,492	10,492	
82.7%	0	10,398	10,398	
84.0%	0	10,297	10,297	
85.2%	0	10,097	10,097	
86.4%	0	9,761	9,761	
87.7%	0	9,736	9,736	
88.9%	0	9,572	9,572	
90.1%	0	9,325	9,325	
91.4%	0	9,136	9,136	
92.6%	0	8,898	8,898	
93.8%	0	8,646	8,646	
95.1%	0	8,304	8,304	
96.3%	0	7,699	7,699	
97.5%	0	7,643	7,643	
98.8%	0	7,628	7,628	
100.0%	0	7,318	7,318	

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,137	14,137	
19.8%	0	14,137	14,137	
21.0%	0	14,137	14,137	
22.2%	0	14,137	14,137	
23.5%	0	14,137	14,137	
24.7%	0	14,137	14,137	
25.9%	0	14,137	14,137	
27.2%	0	14,137	14,137	
28.4%	0	14,137	14,137	
29.6%	0	14,137	14,137	
30.9%	0	14,137	14,137	
32.1%	0	14,137	14,137	
33.3%	0	14,137	14,137	
34.6%	0	14,137	14,137	
35.8%	0	14,137	14,137	
37.0%	0	14,137	14,137	
38.3%	0	14,137	14,137	
39.5%	0	14,137	14,137	
40.7%	0	14,137	14,137	
42.0%	0	14,137	14,137	
43.2%	0	14,137	14,137	
44.4%	0	14,137	14,137	
45.7%	0	14,137	14,137	
46.9%	0	14,137	14,137	
48.1%	0	14,061	14,061	
49.4%	0	14,058	14,058	
50.6%	0	14,057	14,057	
51.9%	0	14,054	14,054	
53.1%	0	13,982	13,982	
54.3%	0	13,882	13,882	
55.6%	0	13,862	13,862	
56.8%	0	13,747	13,747	
58.0%	0	13,526	13,526	
59.3%	0	13,350	13,350	
60.5%	0	13,311	13,311	
61.7%	0	13,234	13,234	
63.0%	0	13,112	13,112	
64.2%	0	13,045	13,045	
65.4%	0	12,959	12,959	
66.7%	0	12,946	12,946	
67.9%	0	12,793	12,793	
69.1%	0	12,688	12,688	
70.4%	0	12,673	12,673	
71.6%	0	12,494	12,494	
72.8%	0	12,195	12,195	
74.1%	0	12,047	12,047	
75.3%	0	12,029	12,029	
76.5%	0	11,983	11,983	
77.8%	0	11,918	11,918	
79.0%	0	11,876	11,876	
80.2%	0	11,461	11,461	
81.5%	0	11,346	11,346	
82.7%	0	11,207	11,207	
84.0%	0	11,086	11,086	
85.2%	0	10,678	10,678	
86.4%	0	10,623	10,623	
87.7%	0	10,406	10,406	
88.9%	0	10,343	10,343	
90.1%	0	10,276	10,276	
91.4%	0	10,031	10,031	
92.6%	0	9,969	9,969	
93.8%	0	9,735	9,735	
95.1%	0	9,628	9,628	
96.3%	0	9,524	9,524	
97.5%	0	9,373	9,373	
98.8%	0	9,362	9,362	
100.0%	0	8,176	8,176	

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,137	14,137	
19.8%	0	14,137	14,137	
21.0%	0	14,137	14,137	
22.2%	0	14,137	14,137	
23.5%	0	14,137	14,137	
24.7%	0	14,137	14,137	
25.9%	0	14,137	14,137	
27.2%	0	14,137	14,137	
28.4%	0	14,137	14,137	
29.6%	0	14,137	14,137	
30.9%	0	14,110	14,110	
32.1%	0	14,108	14,108	
33.3%	0	14,104	14,104	
34.6%	0	14,087	14,087	
35.8%	0	14,084	14,084	
37.0%	0	14,079	14,079	
38.3%	0	14,077	14,077	
39.5%	0	14,076	14,076	
40.7%	0	14,056	14,056	
42.0%	0	14,056	14,056	
43.2%	0	14,023	14,023	
44.4%	0	14,014	14,014	
45.7%	0	14,011	14,011	
46.9%	0	14,006	14,006	
48.1%	0	13,999	13,999	
49.4%	0	13,992	13,992	
50.6%	0	13,984	13,984	
51.9%	0	13,891	13,891	
53.1%	0	13,879	13,879	
54.3%	0	13,832	13,832	
55.6%	0	13,819	13,819	
56.8%	0	13,745	13,745	
58.0%	0	13,698	13,698	
59.3%	0	13,652	13,652	
60.5%	0	13,417	13,417	
61.7%	0	13,382	13,382	
63.0%	0	13,243	13,243	
64.2%	0	13,162	13,162	
65.4%	0	13,081	13,081	
66.7%	0	12,973	12,973	
67.9%	0	12,886	12,886	
69.1%	0	12,825	12,825	
70.4%	0	12,598	12,598	
71.6%	0	12,468	12,468	
72.8%	0	12,461	12,461	
74.1%	0	11,934	11,934	
75.3%	0	11,826	11,826	
76.5%	0	11,731	11,731	
77.8%	0	11,688	11,688	
79.0%	0	11,628	11,628	
80.2%	0	11,241	11,241	
81.5%	0	11,009	11,009	
82.7%	0	10,986	10,986	
84.0%	0	10,791	10,791	
85.2%	0	10,759	10,759	
86.4%	0	10,727	10,727	
87.7%	0	10,536	10,536	
88.9%	0	10,511	10,511	
90.1%	0	10,212	10,212	
91.4%	0	10,119	10,119	
92.6%	0	10,100	10,100	
93.8%	0	9,932	9,932	
95.1%	0	9,757	9,757	
96.3%	0	9,475	9,475	
97.5%	0	9,212	9,212	
98.8%	0	8,806	8,806	
100.0%	0	7,690	7,690	

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,035	14,035	
12.3%	0	14,033	14,033	
13.6%	0	14,032	14,032	
14.8%	0	14,017	14,017	
16.0%	0	14,008	14,008	
17.3%	0	14,005	14,005	
18.5%	0	14,004	14,004	
19.8%	0	14,004	14,004	
21.0%	0	14,003	14,003	
22.2%	0	13,997	13,997	
23.5%	0	13,994	13,994	
24.7%	0	13,991	13,991	
25.9%	0	13,982	13,982	
27.2%	0	13,976	13,976	
28.4%	0	13,966	13,966	
29.6%	0	13,963	13,963	
30.9%	0	13,952	13,952	
32.1%	0	13,952	13,952	
33.3%	0	13,947	13,947	
34.6%	0	13,935	13,935	
35.8%	0	13,930	13,930	
37.0%	0	13,916	13,916	
38.3%	0	13,907	13,907	
39.5%	0	13,895	13,895	
40.7%	0	13,888	13,888	
42.0%	0	13,882	13,882	
43.2%	0	13,878	13,878	
44.4%	0	13,864	13,864	
45.7%	0	13,853	13,853	
46.9%	0	13,850	13,850	
48.1%	0	13,844	13,844	
49.4%	0	13,841	13,841	
50.6%	0	13,826	13,826	
51.9%	0	13,797	13,797	
53.1%	0	13,772	13,772	
54.3%	0	13,762	13,762	
55.6%	0	13,745	13,745	
56.8%	0	13,694	13,694	
58.0%	0	13,478	13,478	
59.3%	0	13,451	13,451	
60.5%	0	13,354	13,354	
61.7%	0	13,294	13,294	
63.0%	0	13,127	13,127	
64.2%	0	13,025	13,025	
65.4%	0	12,892	12,892	
66.7%	0	12,876	12,876	
67.9%	0	12,839	12,839	
69.1%	0	12,717	12,717	
70.4%	0	12,518	12,518	
71.6%	0	12,406	12,406	
72.8%	0	12,386	12,386	
74.1%	0	12,350	12,350	
75.3%	0	11,775	11,775	
76.5%	0	11,691	11,691	
77.8%	0	11,351	11,351	
79.0%	0	11,306	11,306	
80.2%	0	11,214	11,214	
81.5%	0	11,135	11,135	
82.7%	0	10,570	10,570	
84.0%	0	10,425	10,425	
85.2%	0	10,401	10,401	
86.4%	0	10,373	10,373	
87.7%	0	10,328	10,328	
88.9%	0	10,317	10,317	
90.1%	0	9,945	9,945	
91.4%	0	9,896	9,896	
92.6%	0	9,415	9,415	
93.8%	0	9,353	9,353	
95.1%	0	8,776	8,776	
96.3%	0	8,747	8,747	
97.5%	0	8,112	8,112	
98.8%	0	8,022	8,022	
100.0%	0	7,416	7,416	

Table OP-11-b

Sites Reservoir, End of Month Area
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,126	14,126	
7.4%	0	14,108	14,108	
8.6%	0	14,108	14,108	
9.9%	0	14,107	14,107	
11.1%	0	14,062	14,062	
12.3%	0	13,996	13,996	
13.6%	0	13,905	13,905	
14.8%	0	13,879	13,879	
16.0%	0	13,851	13,851	
17.3%	0	13,845	13,845	
18.5%	0	13,814	13,814	
19.8%	0	13,789	13,789	
21.0%	0	13,770	13,770	
22.2%	0	13,765	13,765	
23.5%	0	13,762	13,762	
24.7%	0	13,745	13,745	
25.9%	0	13,737	13,737	
27.2%	0	13,718	13,718	
28.4%	0	13,687	13,687	
29.6%	0	13,672	13,672	
30.9%	0	13,592	13,592	
32.1%	0	13,524	13,524	
33.3%	0	13,513	13,513	
34.6%	0	13,493	13,493	
35.8%	0	13,488	13,488	
37.0%	0	13,426	13,426	
38.3%	0	13,402	13,402	
39.5%	0	13,385	13,385	
40.7%	0	13,380	13,380	
42.0%	0	13,375	13,375	
43.2%	0	13,371	13,371	
44.4%	0	13,351	13,351	
45.7%	0	13,349	13,349	
46.9%	0	13,345	13,345	
48.1%	0	13,333	13,333	
49.4%	0	13,317	13,317	
50.6%	0	13,316	13,316	
51.9%	0	13,314	13,314	
53.1%	0	13,263	13,263	
54.3%	0	13,244	13,244	
55.6%	0	13,174	13,174	
56.8%	0	13,106	13,106	
58.0%	0	13,042	13,042	
59.3%	0	13,015	13,015	
60.5%	0	12,997	12,997	
61.7%	0	12,924	12,924	
63.0%	0	12,889	12,889	
64.2%	0	12,859	12,859	
65.4%	0	12,814	12,814	
66.7%	0	12,764	12,764	
67.9%	0	12,434	12,434	
69.1%	0	12,296	12,296	
70.4%	0	11,965	11,965	
71.6%	0	11,924	11,924	
72.8%	0	11,698	11,698	
74.1%	0	11,635	11,635	
75.3%	0	11,559	11,559	
76.5%	0	11,365	11,365	
77.8%	0	10,808	10,808	
79.0%	0	10,674	10,674	
80.2%	0	10,582	10,582	
81.5%	0	10,580	10,580	
82.7%	0	10,232	10,232	
84.0%	0	10,188	10,188	
85.2%	0	9,794	9,794	
86.4%	0	9,673	9,673	
87.7%	0	9,628	9,628	
88.9%	0	9,537	9,537	
90.1%	0	9,373	9,373	
91.4%	0	9,203	9,203	
92.6%	0	8,895	8,895	
93.8%	0	8,658	8,658	
95.1%	0	8,254	8,254	
96.3%	0	7,487	7,487	
97.5%	0	6,830	6,830	
98.8%	0	6,618	6,618	
100.0%	0	6,565	6,565	

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,120	14,120	
4.9%	0	14,103	14,103	
6.2%	0	13,956	13,956	
7.4%	0	13,944	13,944	
8.6%	0	13,938	13,938	
9.9%	0	13,902	13,902	
11.1%	0	13,899	13,899	
12.3%	0	13,812	13,812	
13.6%	0	13,652	13,652	
14.8%	0	13,641	13,641	
16.0%	0	13,637	13,637	
17.3%	0	13,621	13,621	
18.5%	0	13,613	13,613	
19.8%	0	13,598	13,598	
21.0%	0	13,527	13,527	
22.2%	0	13,451	13,451	
23.5%	0	13,444	13,444	
24.7%	0	13,345	13,345	
25.9%	0	13,312	13,312	
27.2%	0	13,301	13,301	
28.4%	0	13,295	13,295	
29.6%	0	13,276	13,276	
30.9%	0	13,187	13,187	
32.1%	0	13,154	13,154	
33.3%	0	13,141	13,141	
34.6%	0	13,096	13,096	
35.8%	0	13,062	13,062	
37.0%	0	12,979	12,979	
38.3%	0	12,950	12,950	
39.5%	0	12,881	12,881	
40.7%	0	12,866	12,866	
42.0%	0	12,760	12,760	
43.2%	0	12,745	12,745	
44.4%	0	12,736	12,736	
45.7%	0	12,704	12,704	
46.9%	0	12,698	12,698	
48.1%	0	12,687	12,687	
49.4%	0	12,678	12,678	
50.6%	0	12,676	12,676	
51.9%	0	12,668	12,668	
53.1%	0	12,650	12,650	
54.3%	0	12,632	12,632	
55.6%	0	12,616	12,616	
56.8%	0	12,599	12,599	
58.0%	0	12,598	12,598	
59.3%	0	12,542	12,542	
60.5%	0	12,526	12,526	
61.7%	0	12,492	12,492	
63.0%	0	12,463	12,463	
64.2%	0	12,379	12,379	
65.4%	0	12,193	12,193	
66.7%	0	12,033	12,033	
67.9%	0	11,959	11,959	
69.1%	0	11,447	11,447	
70.4%	0	11,424	11,424	
71.6%	0	11,302	11,302	
72.8%	0	10,797	10,797	
74.1%	0	10,722	10,722	
75.3%	0	10,661	10,661	
76.5%	0	10,626	10,626	
77.8%	0	10,256	10,256	
79.0%	0	10,065	10,065	
80.2%	0	9,960	9,960	
81.5%	0	9,878	9,878	
82.7%	0	9,799	9,799	
84.0%	0	9,796	9,796	
85.2%	0	9,382	9,382	
86.4%	0	9,081	9,081	
87.7%	0	8,864	8,864	
88.9%	0	8,644	8,644	
90.1%	0	8,502	8,502	
91.4%	0	8,416	8,416	
92.6%	0	8,275	8,275	
93.8%	0	7,385	7,385	
95.1%	0	7,211	7,211	
96.3%	0	6,460	6,460	
97.5%	0	6,139	6,139	
98.8%	0	6,132	6,132	
100.0%	0	5,785	5,785	

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	13,952	13,952	
4.9%	0	13,942	13,942	
6.2%	0	13,868	13,868	
7.4%	0	13,858	13,858	
8.6%	0	13,825	13,825	
9.9%	0	13,806	13,806	
11.1%	0	13,714	13,714	
12.3%	0	13,682	13,682	
13.6%	0	13,635	13,635	
14.8%	0	13,621	13,621	
16.0%	0	13,603	13,603	
17.3%	0	13,587	13,587	
18.5%	0	13,570	13,570	
19.8%	0	13,510	13,510	
21.0%	0	13,506	13,506	
22.2%	0	13,355	13,355	
23.5%	0	13,278	13,278	
24.7%	0	13,166	13,166	
25.9%	0	13,095	13,095	
27.2%	0	13,078	13,078	
28.4%	0	13,065	13,065	
29.6%	0	13,002	13,002	
30.9%	0	12,958	12,958	
32.1%	0	12,814	12,814	
33.3%	0	12,810	12,810	
34.6%	0	12,754	12,754	
35.8%	0	12,747	12,747	
37.0%	0	12,680	12,680	
38.3%	0	12,634	12,634	
39.5%	0	12,598	12,598	
40.7%	0	12,588	12,588	
42.0%	0	12,579	12,579	
43.2%	0	12,572	12,572	
44.4%	0	12,567	12,567	
45.7%	0	12,561	12,561	
46.9%	0	12,533	12,533	
48.1%	0	12,511	12,511	
49.4%	0	12,467	12,467	
50.6%	0	12,282	12,282	
51.9%	0	12,269	12,269	
53.1%	0	12,192	12,192	
54.3%	0	12,182	12,182	
55.6%	0	12,143	12,143	
56.8%	0	11,977	11,977	
58.0%	0	11,977	11,977	
59.3%	0	11,956	11,956	
60.5%	0	11,938	11,938	
61.7%	0	11,925	11,925	
63.0%	0	11,915	11,915	
64.2%	0	11,799	11,799	
65.4%	0	11,721	11,721	
66.7%	0	11,655	11,655	
67.9%	0	11,478	11,478	
69.1%	0	11,141	11,141	
70.4%	0	11,083	11,083	
71.6%	0	10,807	10,807	
72.8%	0	10,055	10,055	
74.1%	0	9,994	9,994	
75.3%	0	9,912	9,912	
76.5%	0	9,873	9,873	
77.8%	0	9,759	9,759	
79.0%	0	9,700	9,700	
80.2%	0	9,396	9,396	
81.5%	0	9,332	9,332	
82.7%	0	9,265	9,265	
84.0%	0	8,950	8,950	
85.2%	0	8,771	8,771	
86.4%	0	8,751	8,751	
87.7%	0	8,234	8,234	
88.9%	0	7,869	7,869	
90.1%	0	7,156	7,156	
91.4%	0	7,069	7,069	
92.6%	0	7,022	7,022	
93.8%	0	6,940	6,940	
95.1%	0	6,205	6,205	
96.3%	0	5,535	5,535	
97.5%	0	5,052	5,052	
98.8%	0	4,682	4,682	
100.0%	0	4,498	4,498	

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	13,870	13,870	
1.2%	0	13,819	13,819	
2.5%	0	13,788	13,788	
3.7%	0	13,755	13,755	
4.9%	0	13,736	13,736	
6.2%	0	13,675	13,675	
7.4%	0	13,667	13,667	
8.6%	0	13,660	13,660	
9.9%	0	13,649	13,649	
11.1%	0	13,528	13,528	
12.3%	0	13,507	13,507	
13.6%	0	13,465	13,465	
14.8%	0	13,436	13,436	
16.0%	0	13,392	13,392	
17.3%	0	13,357	13,357	
18.5%	0	13,243	13,243	
19.8%	0	13,239	13,239	
21.0%	0	13,202	13,202	
22.2%	0	13,091	13,091	
23.5%	0	13,076	13,076	
24.7%	0	13,057	13,057	
25.9%	0	13,003	13,003	
27.2%	0	12,784	12,784	
28.4%	0	12,687	12,687	
29.6%	0	12,653	12,653	
30.9%	0	12,585	12,585	
32.1%	0	12,571	12,571	
33.3%	0	12,509	12,509	
34.6%	0	12,485	12,485	
35.8%	0	12,361	12,361	
37.0%	0	12,358	12,358	
38.3%	0	12,358	12,358	
39.5%	0	12,354	12,354	
40.7%	0	12,341	12,341	
42.0%	0	12,271	12,271	
43.2%	0	12,132	12,132	
44.4%	0	12,121	12,121	
45.7%	0	12,116	12,116	
46.9%	0	12,093	12,093	
48.1%	0	12,077	12,077	
49.4%	0	11,956	11,956	
50.6%	0	11,845	11,845	
51.9%	0	11,827	11,827	
53.1%	0	11,752	11,752	
54.3%	0	11,687	11,687	
55.6%	0	11,685	11,685	
56.8%	0	11,672	11,672	
58.0%	0	11,559	11,559	
59.3%	0	11,552	11,552	
60.5%	0	11,541	11,541	
61.7%	0	11,499	11,499	
63.0%	0	11,489	11,489	
64.2%	0	11,342	11,342	
65.4%	0	11,226	11,226	
66.7%	0	11,183	11,183	
67.9%	0	11,061	11,061	
69.1%	0	10,909	10,909	
70.4%	0	10,822	10,822	
71.6%	0	10,566	10,566	
72.8%	0	9,805	9,805	
74.1%	0	9,796	9,796	
75.3%	0	9,699	9,699	
76.5%	0	9,390	9,390	
77.8%	0	9,350	9,350	
79.0%	0	9,258	9,258	
80.2%	0	9,005	9,005	
81.5%	0	8,925	8,925	
82.7%	0	8,826	8,826	
84.0%	0	8,307	8,307	
85.2%	0	8,075	8,075	
86.4%	0	7,905	7,905	
87.7%	0	7,882	7,882	
88.9%	0	7,334	7,334	
90.1%	0	6,812	6,812	
91.4%	0	6,707	6,707	
92.6%	0	6,668	6,668	
93.8%	0	6,274	6,274	
95.1%	0	5,940	5,940	
96.3%	0	5,371	5,371	
97.5%	0	4,639	4,639	
98.8%	0	4,317	4,317	
100.0%	0	4,097	4,097	

Sites Reservoir Project Operations

Summary Tables and Bar Charts

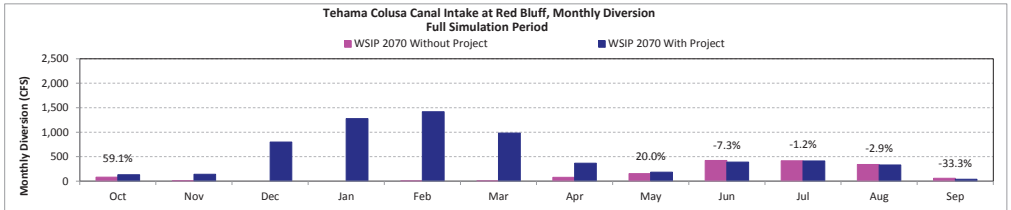
Table OP-01-a
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Long-term Average and Average by Water Year Type

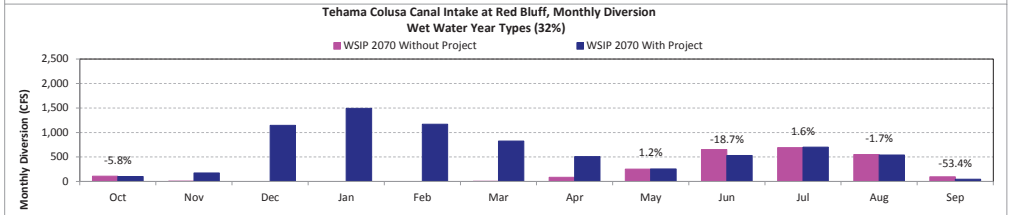
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Diversion (CFS)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	83	6	0	0	1	5	80	153	422	417	340	58
WSIP 2070 With Project	132	142	799	1,276	1,420	981	368	184	391	412	330	39
Difference	49	136	799	1,276	1,419	977	288	31	-31	-5	-10	-19
Percent Difference[3]	59.1%							20.0%	-7.3%	-1.2%	-2.9%	-33.3%
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	107	6	0	0	0	3	86	252	650	690	549	96
WSIP 2070 With Project	100	173	1,147	1,493	1,170	825	508	255	529	701	540	45
Difference	-6	167	1,147	1,493	1,170	821	421	3	-121	11	-9	-51
Percent Difference	-5.8%							1.2%	-18.7%	1.6%	-1.7%	-53.4%
Above Normal (13.4%)												
WSIP 2070 Without Project	85	4	0	0	0	3	116	202	540	567	433	43
WSIP 2070 With Project	324	322	965	1,682	1,887	1,382	641	269	546	378	395	31
Difference	238	318	965	1,682	1,887	1,379	525	67	7	-189	-38	-12
Percent Difference								33.3%	1.2%	-33.3%	-8.7%	-27.7%
Below Normal (15.9%)												
WSIP 2070 Without Project	78	5	0	0	1	4	89	104	363	322	253	49
WSIP 2070 With Project	63	11	326	1,670	1,497	1,280	457	164	407	301	241	40
Difference	-16	6	326	1,670	1,497	1,276	367	60	44	-20	-12	-9
Percent Difference	-20.0%							57.9%	12.1%	-6.4%	-4.6%	-18.1%
Dry (24.4%)												
WSIP 2070 Without Project	70	4	0	0	2	3	72	79	262	214	170	38
WSIP 2070 With Project	162	164	530	923	1,697	1,187	176	103	263	274	164	38
Difference	92	159	530	923	1,694	1,184	104	25	0	61	-5	0
Percent Difference	132.1%						143.6%	31.3%	0.1%	28.3%	-3.1%	-0.7%
Critical (14.6%)												
WSIP 2070 Without Project	58	11	0	0	3	13	34	72	149	128	178	34
WSIP 2070 With Project	52	13	853	598	991	289	39	107	149	163	187	34
Difference	-6	2	853	598	987	276	5	35	0	35	9	0
Percent Difference	-10.1%	13.5%					15.6%	48.5%	-0.2%	27.6%	5.2%	-1.2%

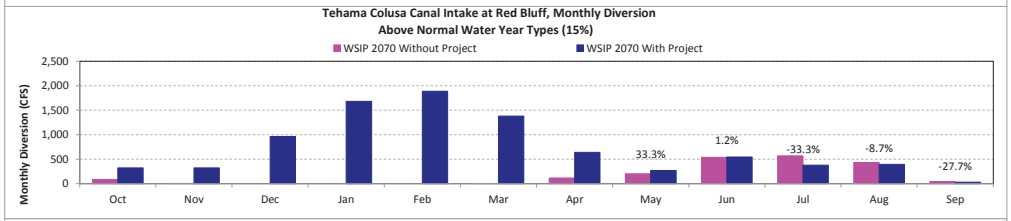
1 Based on the 82-year simulation period

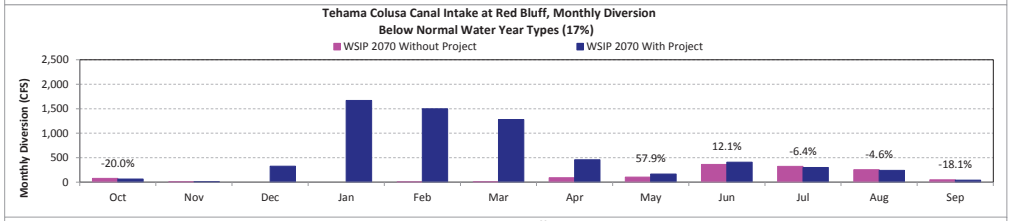
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

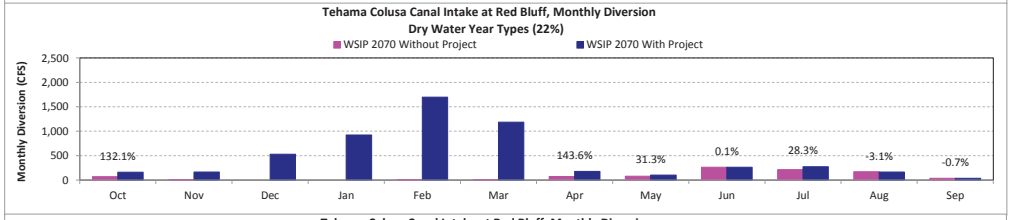
3 Relative difference of the monthly average











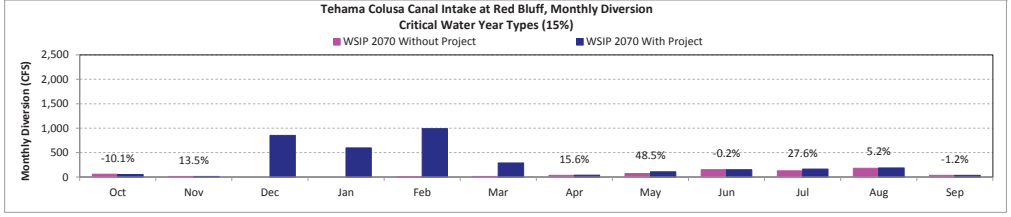


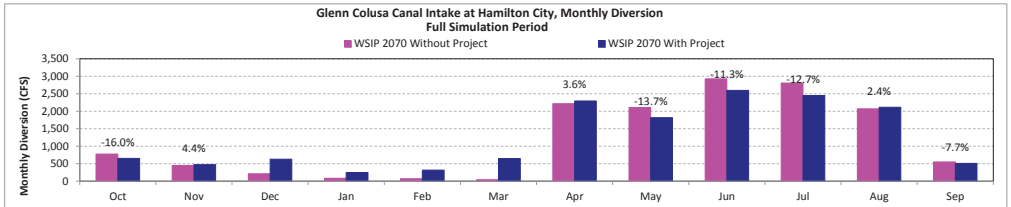
Table OP-02-a
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Long-term Average and Average by Water Year Type

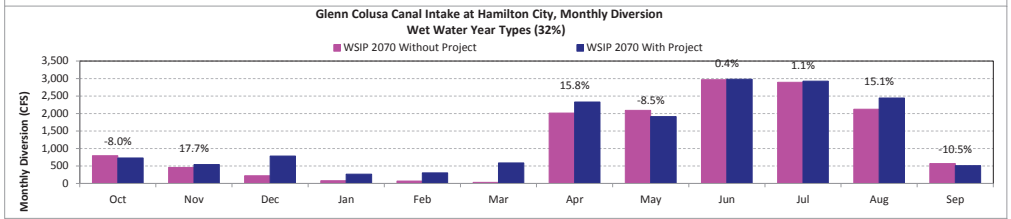
Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	775	451	212	85	68	40	2,215	2,106	2,928	2,806	2,067	551
WSIP 2070 With Project	651	471	631	249	318	645	2,295	1,819	2,597	2,449	2,116	509
Difference	-124	20	419	164	250	605	80	-288	-331	-357	49	-42
Percent Difference[3]	-16.0%	4.4%					3.6%	-13.7%	-11.3%	-12.7%	2.4%	-7.7%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	795	458	222	78	67	30	2,011	2,088	2,968	2,890	2,121	569
WSIP 2070 With Project	731	540	784	265	302	586	2,329	1,910	2,979	2,923	2,442	509
Difference	-64	81	562	187	234	556	317	-178	11	33	321	-60
Percent Difference	-8.0%	17.7%					15.8%	-8.5%	0.4%	1.1%	15.1%	-10.5%
Above Normal (13.4%)												
WSIP 2070 Without Project	780	464	226	80	66	27	2,171	2,116	2,967	2,897	2,113	587
WSIP 2070 With Project	636	535	616	324	383	748	2,402	2,001	2,404	2,087	2,213	490
Difference	-144	71	390	243	317	721	231	-115	-563	-810	99	-97
Percent Difference	-18.5%	15.3%					10.6%	-5.4%	-19.0%	-28.0%	4.7%	-16.6%
Below Normal (15.9%)												
WSIP 2070 Without Project	787	443	192	87	69	48	2,351	2,190	2,974	2,865	2,137	554
WSIP 2070 With Project	611	377	405	321	308	665	2,609	2,005	2,310	2,168	2,186	522
Difference	-176	-66	213	234	239	617	258	-185	-664	-697	49	-31
Percent Difference	-22.4%	-14.9%	110.7%				11.0%	-8.5%	-22.3%	-24.3%	2.3%	-5.7%
Dry (24.4%)												
WSIP 2070 Without Project	787	452	225	90	69	42	2,324	2,198	2,995	2,880	2,159	546
WSIP 2070 With Project	658	446	575	191	355	919	2,276	1,789	2,565	2,502	2,062	543
Difference	-129	-6	350	101	286	877	-49	-409	-430	-378	-97	-4
Percent Difference	-16.4%	-1.3%					-2.1%	-18.6%	-14.4%	-13.1%	-4.5%	-0.7%
Critical (14.6%)												
WSIP 2070 Without Project	695	430	176	92	69	64	2,369	1,893	2,643	2,354	1,675	482
WSIP 2070 With Project	526	406	654	165	245	201	1,814	1,299	2,311	1,970	1,333	452
Difference	-169	-24	477	73	175	138	-555	-594	-332	-384	-342	-30
Percent Difference	-24.3%	-5.5%					-23.4%	-31.4%	-12.6%	-16.3%	-20.4%	-6.3%

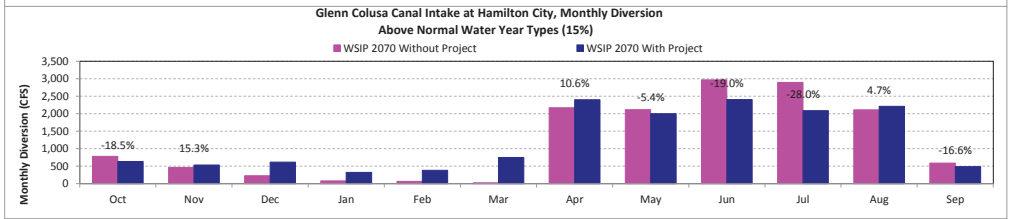
1 Based on the 82-year simulation period

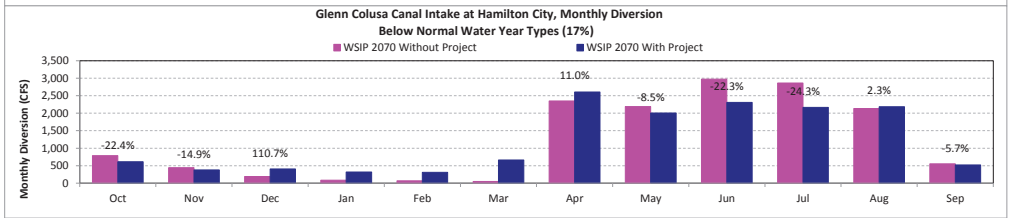
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

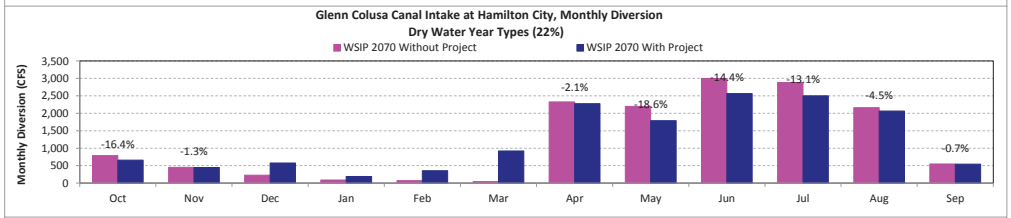
3 Relative difference of the monthly average











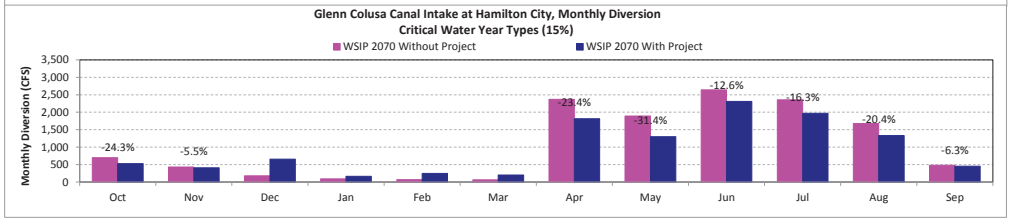


Table OP-03-a
Delevan Intake and Pipeline, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	17	55	388	844	844	493	0	0	41	37	21	2
Difference	17	55	388	844	844	493	0	0	41	37	21	2
Percent Difference[3]												
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	0	51	521	1,034	896	585	0	0	28	59	22	0
Difference	0	51	521	1,034	896	585	0	0	28	59	22	0
Percent Difference												
Above Normal (13.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	0	151	500	1,123	1,178	514	0	0	18	0	35	0
Difference	0	151	500	1,123	1,178	514	0	0	18	0	35	0
Percent Difference												
Below Normal (15.9%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	0	0	239	1,111	770	391	0	0	39	15	44	0
Difference	0	0	239	1,111	770	391	0	0	39	15	44	0
Percent Difference												
Dry (24.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	61	57	270	566	898	549	0	0	69	39	10	0
Difference	61	57	270	566	898	549	0	0	69	39	10	0
Percent Difference												
Critical (14.6%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	14	32	354	351	416	292	0	0	42	48	0	16
Difference	14	32	354	351	416	292	0	0	42	48	0	16
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

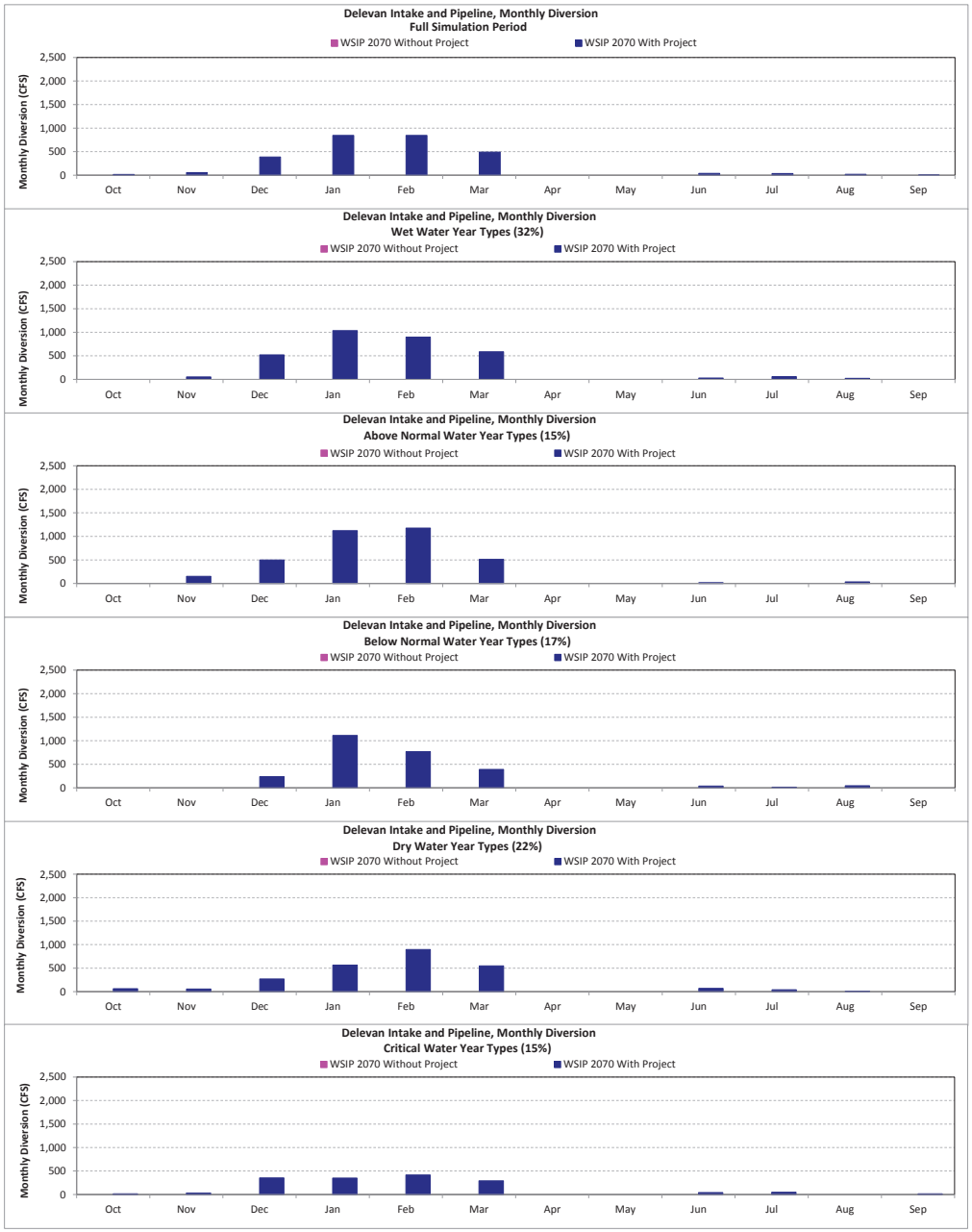


Table OP-04-a
Funks Reservoir to Sites Reservoir, Monthly Diversion
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Diversion (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	93	247	1,598	2,274	2,502	2,059	573	111	106	82	159	16
Difference	93	247	1,598	2,274	2,502	2,059	573	111	106	82	159	16
Percent Difference[3]												
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	0	310	2,217	2,698	2,287	1,947	799	134	58	149	246	0
Difference	0	310	2,217	2,698	2,287	1,947	799	134	58	149	246	0
Percent Difference												
Above Normal (13.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	261	575	1,840	3,036	3,361	2,591	850	211	196	0	247	0
Difference	261	575	1,840	3,036	3,361	2,591	850	211	196	0	247	0
Percent Difference												
Below Normal (15.9%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	0	0	779	2,997	2,490	2,266	781	191	181	24	212	0
Difference	0	0	779	2,997	2,490	2,266	781	191	181	24	212	0
Percent Difference												
Dry (24.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	231	275	1,148	1,586	2,868	2,590	322	35	98	83	29	56
Difference	231	275	1,148	1,586	2,868	2,590	322	35	98	83	29	56
Percent Difference												
Critical (14.6%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	14	32	1,669	1,019	1,587	705	23	8	57	75	50	16
Difference	14	32	1,669	1,019	1,587	705	23	8	57	75	50	16
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

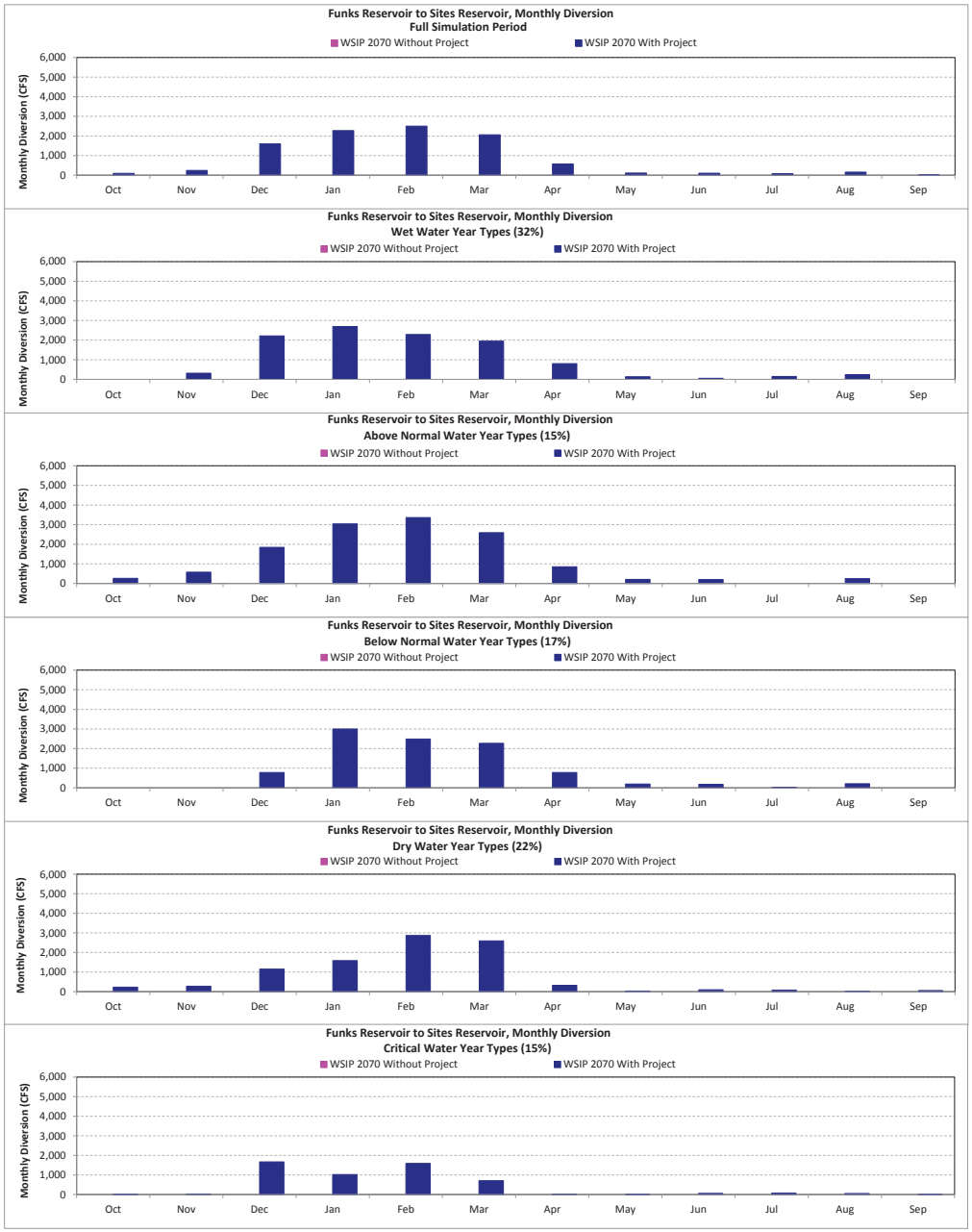


Table OP-05-a
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	443	39	6	0	3	25	348	696	883	877	706	461
Difference	443	39	6	0	3	25	348	696	883	877	706	461
Percent Difference[3]												
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	505	11	3	0	0	6	143	550	545	504	613	551
Difference	505	11	3	0	0	6	143	550	545	504	613	551
Percent Difference												
Above Normal (13.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	480	42	2	0	0	4	197	582	1,123	1,436	790	565
Difference	480	42	2	0	0	4	197	582	1,123	1,436	790	565
Percent Difference												
Below Normal (15.9%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	536	61	9	0	5	29	282	677	1,251	1,246	784	539
Difference	536	61	9	0	5	29	282	677	1,251	1,246	784	539
Percent Difference												
Dry (24.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	421	67	13	0	2	26	424	804	1,010	896	779	390
Difference	421	67	13	0	2	26	424	804	1,010	896	779	390
Percent Difference												
Critical (14.6%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	208	22	0	0	11	77	878	956	784	741	626	205
Difference	208	22	0	0	11	77	878	956	784	741	626	205
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

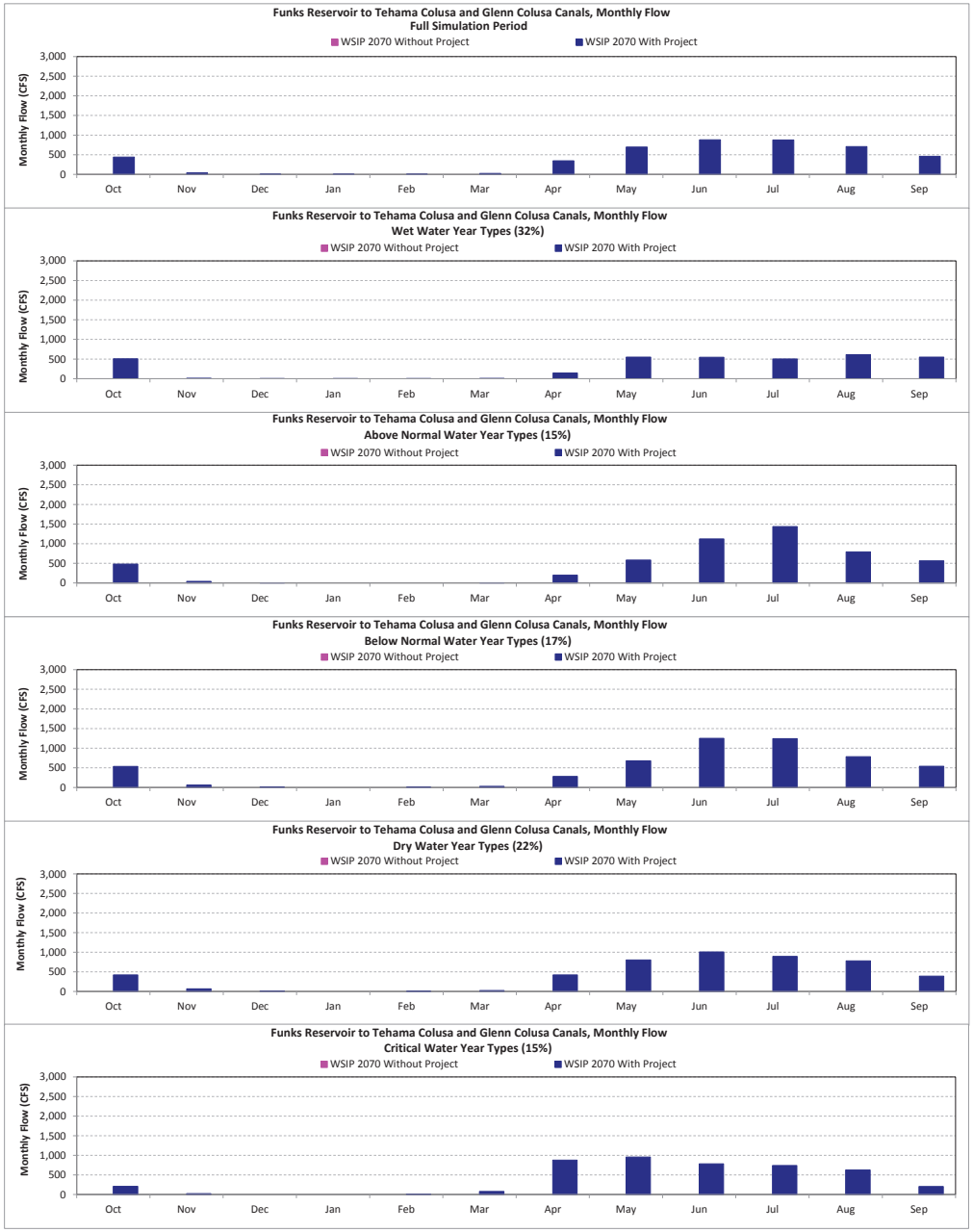


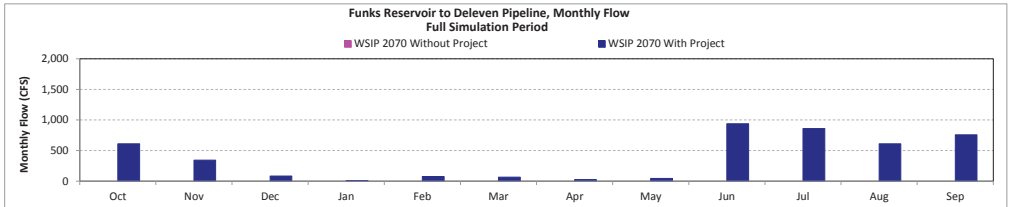
Table OP-06-a
Funks Reservoir to Deleven Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

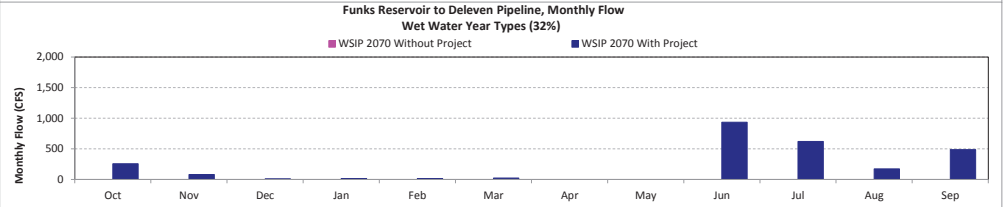
Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	610	345	85	11	75	66	27	46	939	859	610	759
Difference	610	345	85	11	75	66	27	46	939	859	610	759
Percent Difference[3]												
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	256	82	11	17	15	23	0	0	935	620	173	487
Difference	256	82	11	17	15	23	0	0	935	620	173	487
Percent Difference												
Above Normal (13.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	787	241	13	0	0	42	0	0	1,298	1,500	382	1,342
Difference	787	241	13	0	0	42	0	0	1,298	1,500	382	1,342
Percent Difference												
Below Normal (15.9%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	569	398	73	0	122	23	0	0	1,154	1,240	748	784
Difference	569	398	73	0	122	23	0	0	1,154	1,240	748	784
Percent Difference												
Dry (24.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	1,068	652	203	0	16	110	0	0	825	825	1,098	783
Difference	1,068	652	203	0	16	110	0	0	825	825	1,098	783
Percent Difference												
Critical (14.6%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	499	439	125	40	324	158	187	312	575	432	805	746
Difference	499	439	125	40	324	158	187	312	575	432	805	746
Percent Difference												

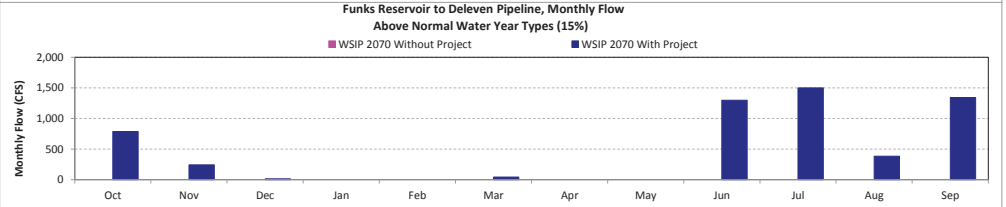
1 Based on the 82-year simulation period

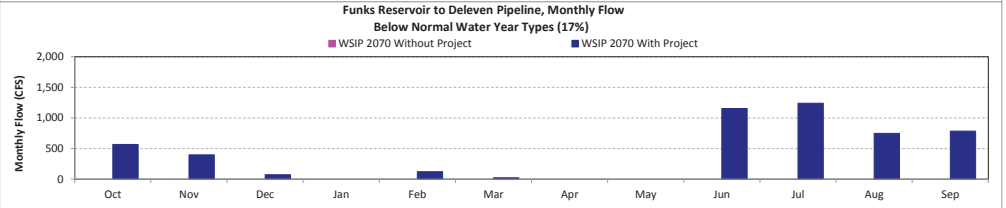
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

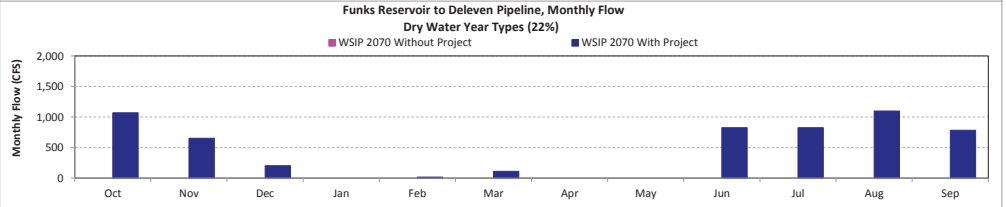
3 Relative difference of the monthly average











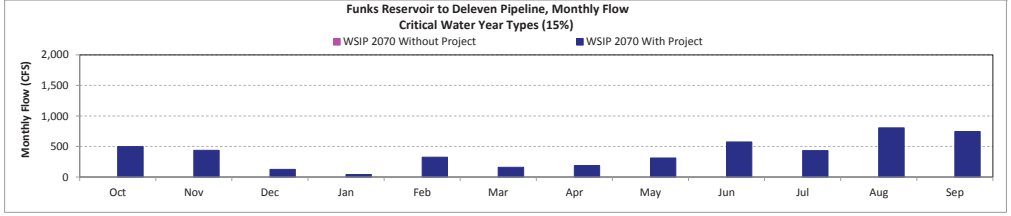


Table OP-07-a
Sites Reservoir to Funks Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	1,053	383	90	11	78	91	376	741	1,821	1,736	1,317	1,220
Difference	1,053	383	90	11	78	91	376	741	1,821	1,736	1,317	1,220
Percent Difference[3]												
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	761	93	14	17	15	28	143	550	1,479	1,124	786	1,037
Difference	761	93	14	17	15	28	143	550	1,479	1,124	786	1,037
Percent Difference												
Above Normal (13.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	1,266	283	16	0	0	46	197	582	2,421	2,936	1,173	1,907
Difference	1,266	283	16	0	0	46	197	582	2,421	2,936	1,173	1,907
Percent Difference												
Below Normal (15.9%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	1,105	459	81	0	127	52	282	677	2,405	2,486	1,532	1,323
Difference	1,105	459	81	0	127	52	282	677	2,405	2,486	1,532	1,323
Percent Difference												
Dry (24.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	1,489	719	217	0	17	136	424	804	1,835	1,721	1,877	1,173
Difference	1,489	719	217	0	17	136	424	804	1,835	1,721	1,877	1,173
Percent Difference												
Critical (14.6%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	707	461	125	40	336	236	1,065	1,267	1,358	1,173	1,431	950
Difference	707	461	125	40	336	236	1,065	1,267	1,358	1,173	1,431	950
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

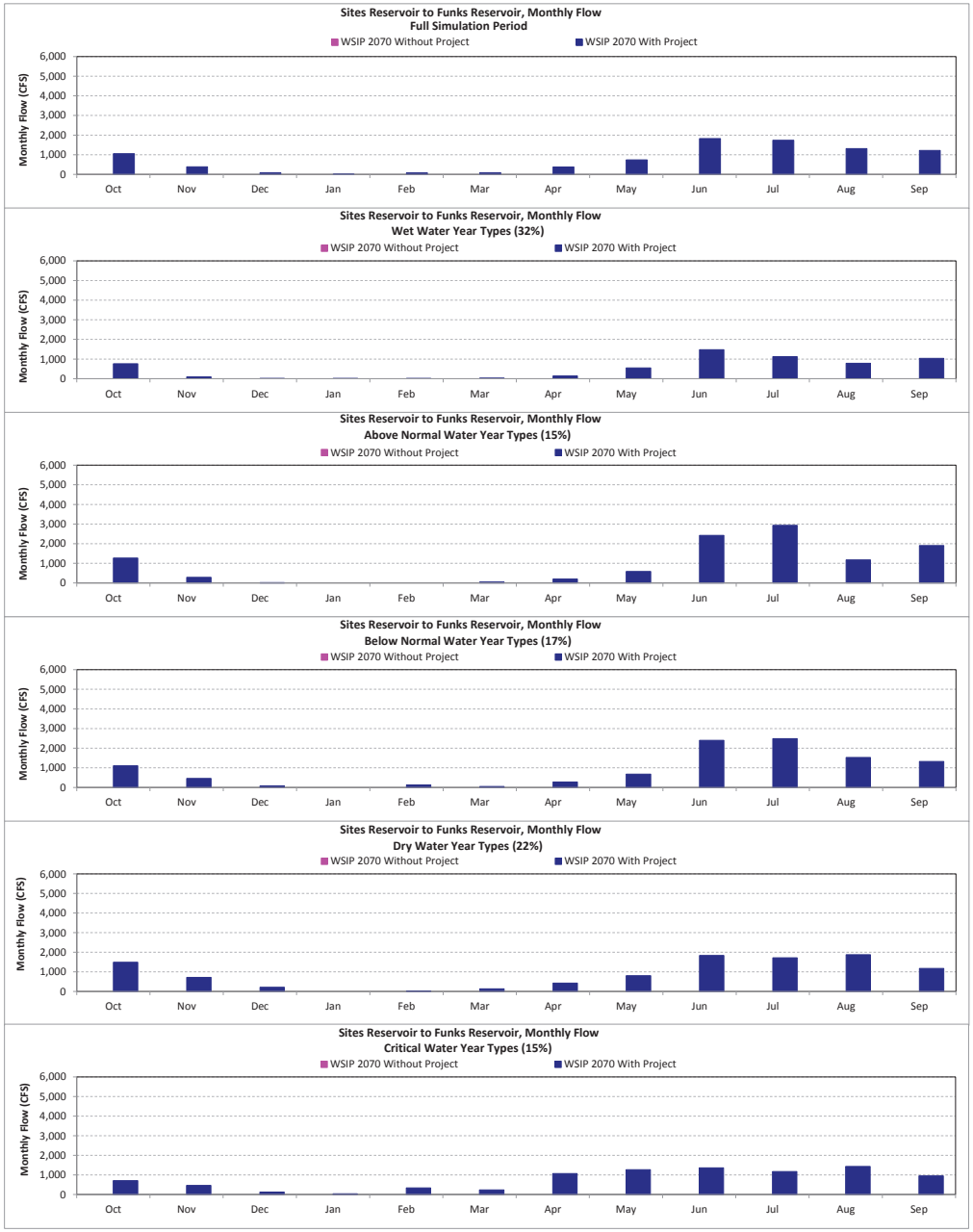


Table OP-08-a
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Long-term Average and Average by Water Year Type

	Monthly Diversion (CFS)											
Analysis Period	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]												
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Above Normal (13.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Below Normal (15.9%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Dry (24.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												
Critical (14.6%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	0	0	0	0	0	0	0	0	0	0	0	0
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

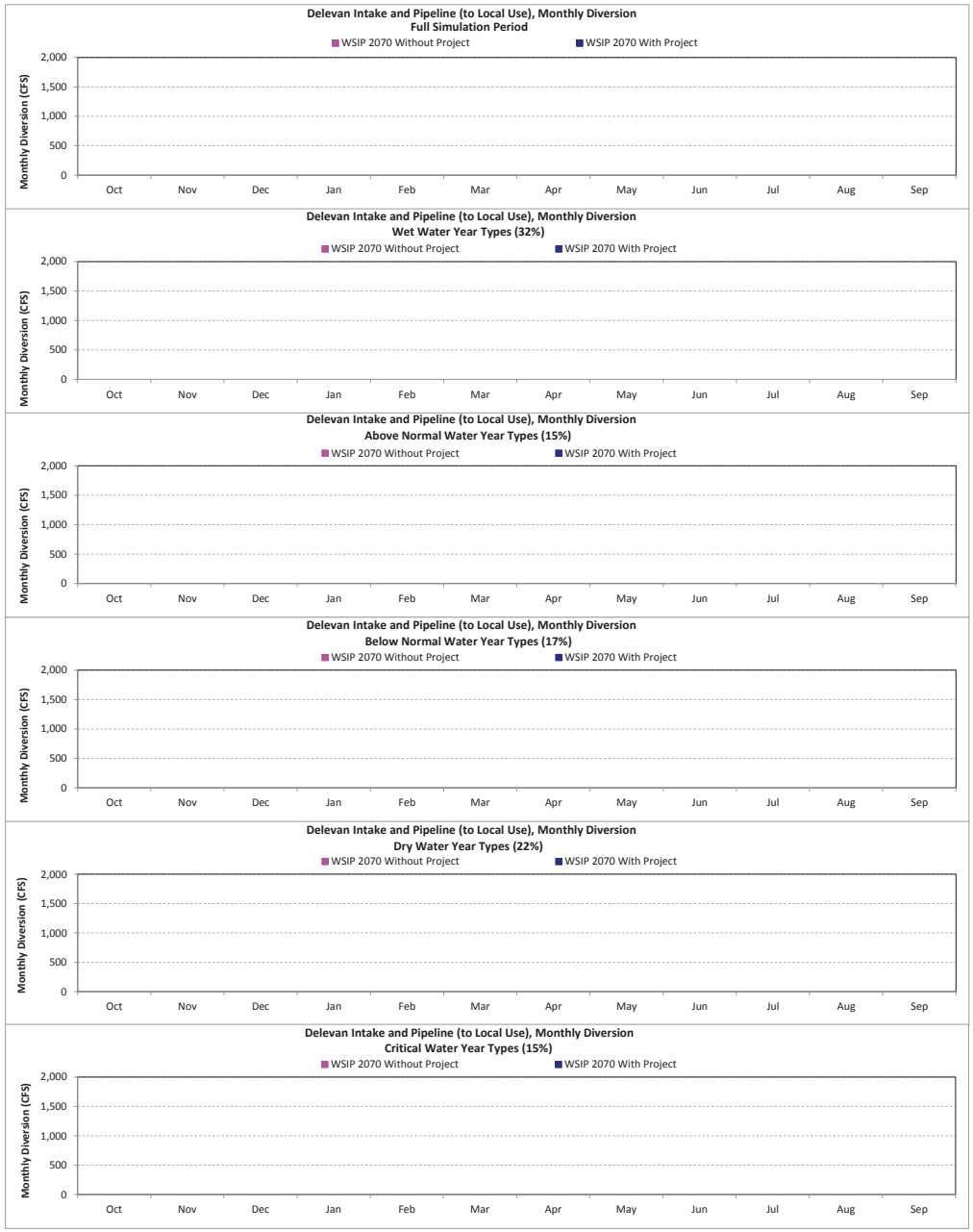


Table OP-09-a
Sites Reservoir, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	949	942	1,037	1,178	1,316	1,436	1,435	1,390	1,280	1,169	1,090	1,013
Difference	949	942	1,037	1,178	1,316	1,436	1,435	1,390	1,280	1,169	1,090	1,013
Percent Difference[3]												
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	1,386	1,400	1,539	1,464	1,593	1,712	1,742	1,710	1,617	1,547	1,505	1,436
Difference	1,386	1,400	1,539	1,464	1,593	1,712	1,742	1,710	1,617	1,547	1,505	1,436
Percent Difference												
Above Normal (13.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	1,021	1,039	1,153	1,286	1,479	1,634	1,651	1,622	1,482	1,291	1,226	1,107
Difference	1,021	1,039	1,153	1,286	1,479	1,634	1,651	1,622	1,482	1,291	1,226	1,107
Percent Difference												
Below Normal (15.9%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	878	852	898	1,181	1,314	1,449	1,459	1,423	1,282	1,121	1,033	948
Difference	878	852	898	1,181	1,314	1,449	1,459	1,423	1,282	1,121	1,033	948
Percent Difference												
Dry (24.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	783	757	817	1,033	1,193	1,344	1,329	1,276	1,165	1,055	934	862
Difference	783	757	817	1,033	1,193	1,344	1,329	1,276	1,165	1,055	934	862
Percent Difference												
Critical (14.6%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	288	262	358	700	770	798	719	637	555	481	391	332
Difference	288	262	358	700	770	798	719	637	555	481	391	332
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

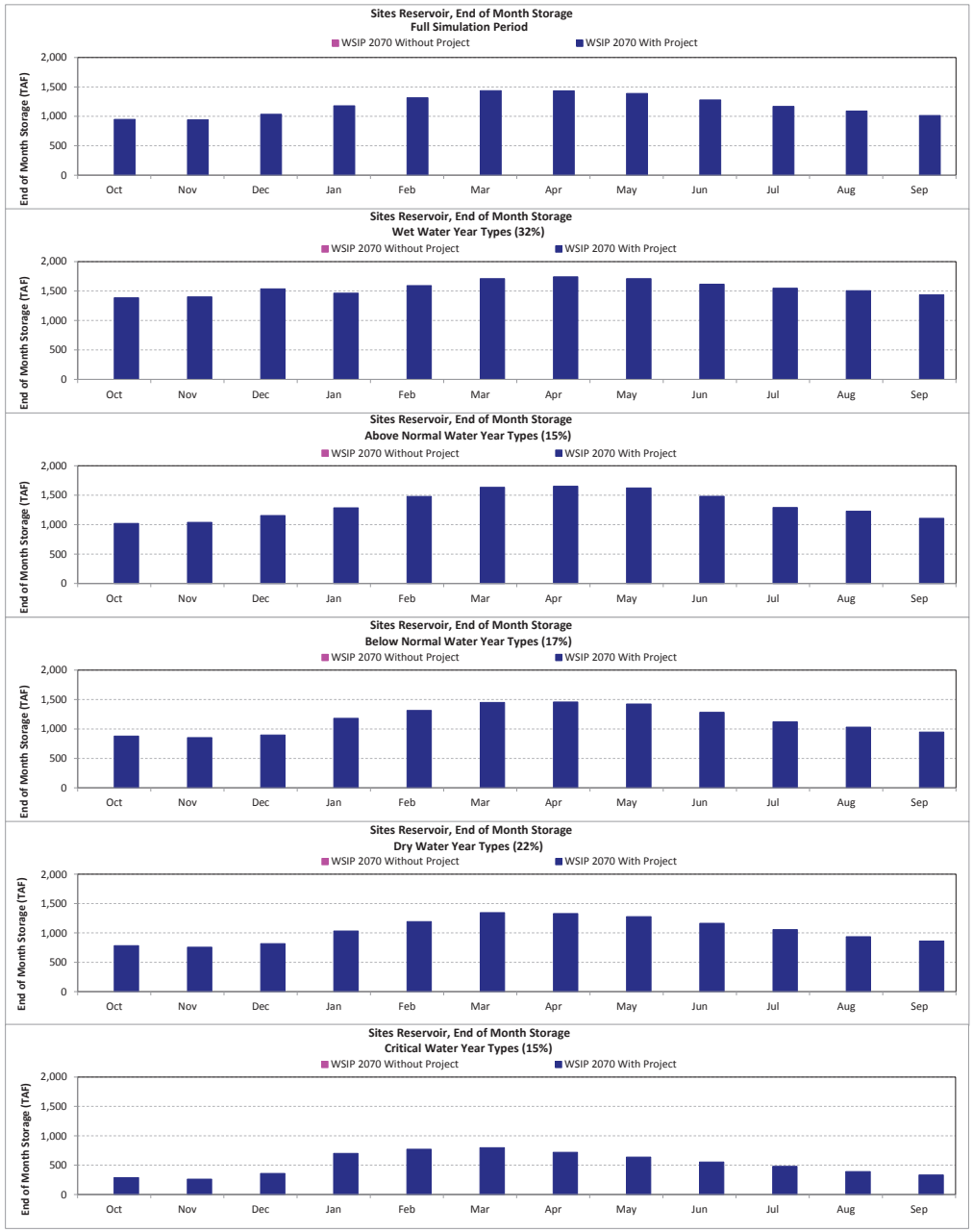


Table OP-10-a
Sites Reservoir, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	446	445	454	467	479	490	489	485	476	467	459	452
Difference	446	445	454	467	479	490	489	485	476	467	459	452
Percent Difference[3]												
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	488	489	500	493	503	513	515	513	506	501	497	492
Difference	488	489	500	493	503	513	515	513	506	501	497	492
Percent Difference												
Above Normal (13.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	457	459	468	478	494	507	508	506	495	480	475	465
Difference	457	459	468	478	494	507	508	506	495	480	475	465
Percent Difference												
Below Normal (15.9%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	443	440	445	467	478	491	492	490	479	465	457	449
Difference	443	440	445	467	478	491	492	490	479	465	457	449
Percent Difference												
Dry (24.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	433	431	436	456	471	483	482	478	468	459	448	442
Difference	433	431	436	456	471	483	482	478	468	459	448	442
Percent Difference												
Critical (14.6%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	369	366	383	421	430	434	425	415	406	397	383	375
Difference	369	366	383	421	430	434	425	415	406	397	383	375
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

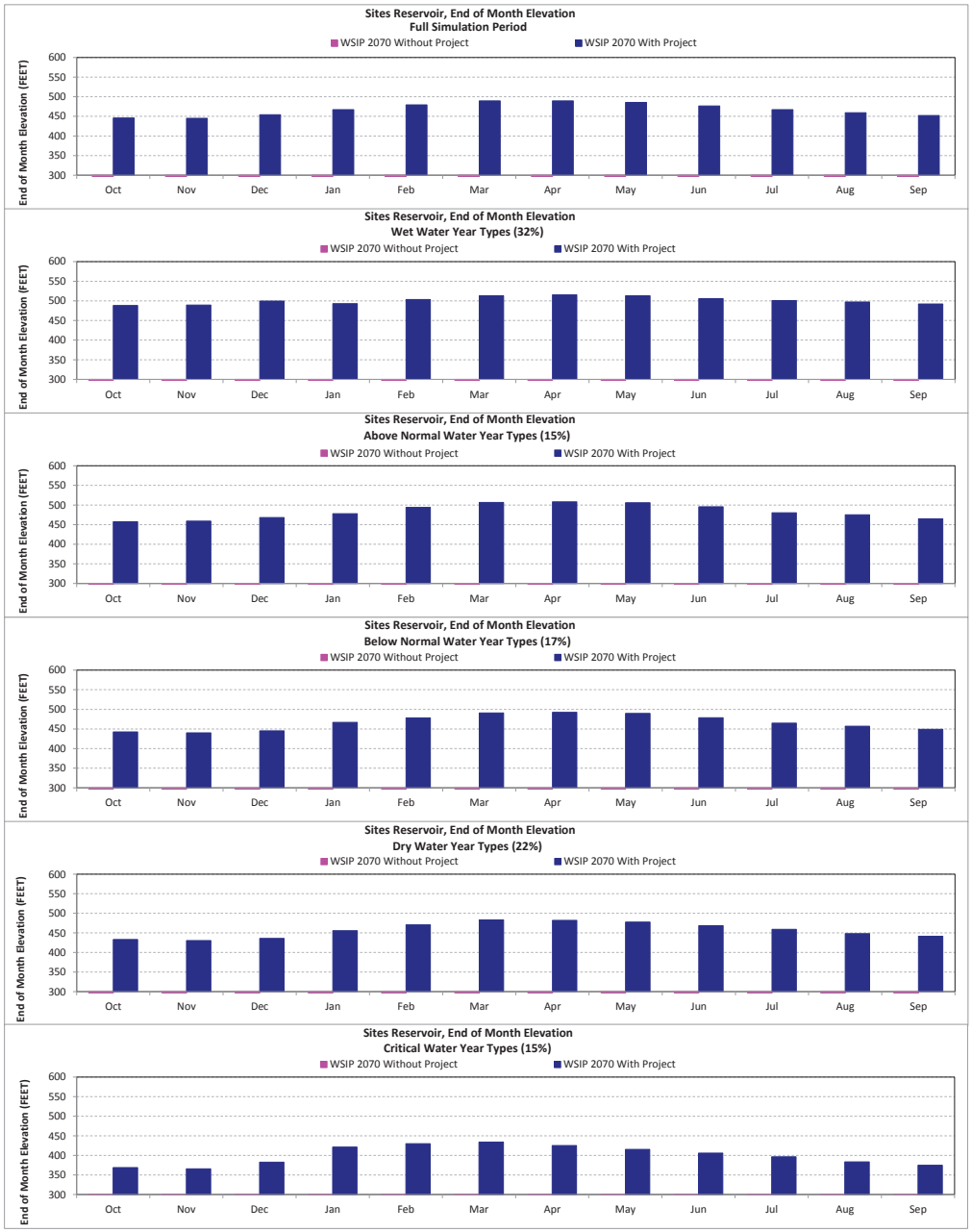


Table OP-11-a
Sites Reservoir, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	10,364	10,299	10,798	11,499	12,132	12,651	12,637	12,423	11,987	11,515	11,091	10,708
Difference	10,364	10,299	10,798	11,499	12,132	12,651	12,637	12,423	11,987	11,515	11,091	10,708
Percent Difference[3]												
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	12,694	12,738	13,217	12,846	13,368	13,807	13,913	13,810	13,506	13,265	13,119	12,878
Difference	12,694	12,738	13,217	12,846	13,368	13,807	13,913	13,810	13,506	13,265	13,119	12,878
Percent Difference												
Above Normal (13.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	11,135	11,203	11,651	12,075	12,884	13,505	13,581	13,486	13,020	12,307	12,054	11,531
Difference	11,135	11,203	11,651	12,075	12,884	13,505	13,581	13,486	13,020	12,307	12,054	11,531
Percent Difference												
Below Normal (15.9%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	10,279	10,147	10,487	11,442	12,025	12,719	12,831	12,706	12,180	11,500	11,067	10,640
Difference	10,279	10,147	10,487	11,442	12,025	12,719	12,831	12,706	12,180	11,500	11,067	10,640
Percent Difference												
Dry (24.4%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	9,747	9,599	9,885	10,970	11,744	12,368	12,345	12,125	11,663	11,202	10,597	10,242
Difference	9,747	9,599	9,885	10,970	11,744	12,368	12,345	12,125	11,663	11,202	10,597	10,242
Percent Difference												
Critical (14.6%)												
WSIP 2070 Without Project	0	0	0	0	0	0	0	0	0	0	0	0
WSIP 2070 With Project	5,730	5,516	6,634	8,997	9,524	9,759	9,281	8,632	8,076	7,536	6,665	6,103
Difference	5,730	5,516	6,634	8,997	9,524	9,759	9,281	8,632	8,076	7,536	6,665	6,103
Percent Difference												

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Sites Reservoir Project Operations

Exceedance Probability Charts and Tables

Figure OP-01-b
Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion
Probability of Exceedance

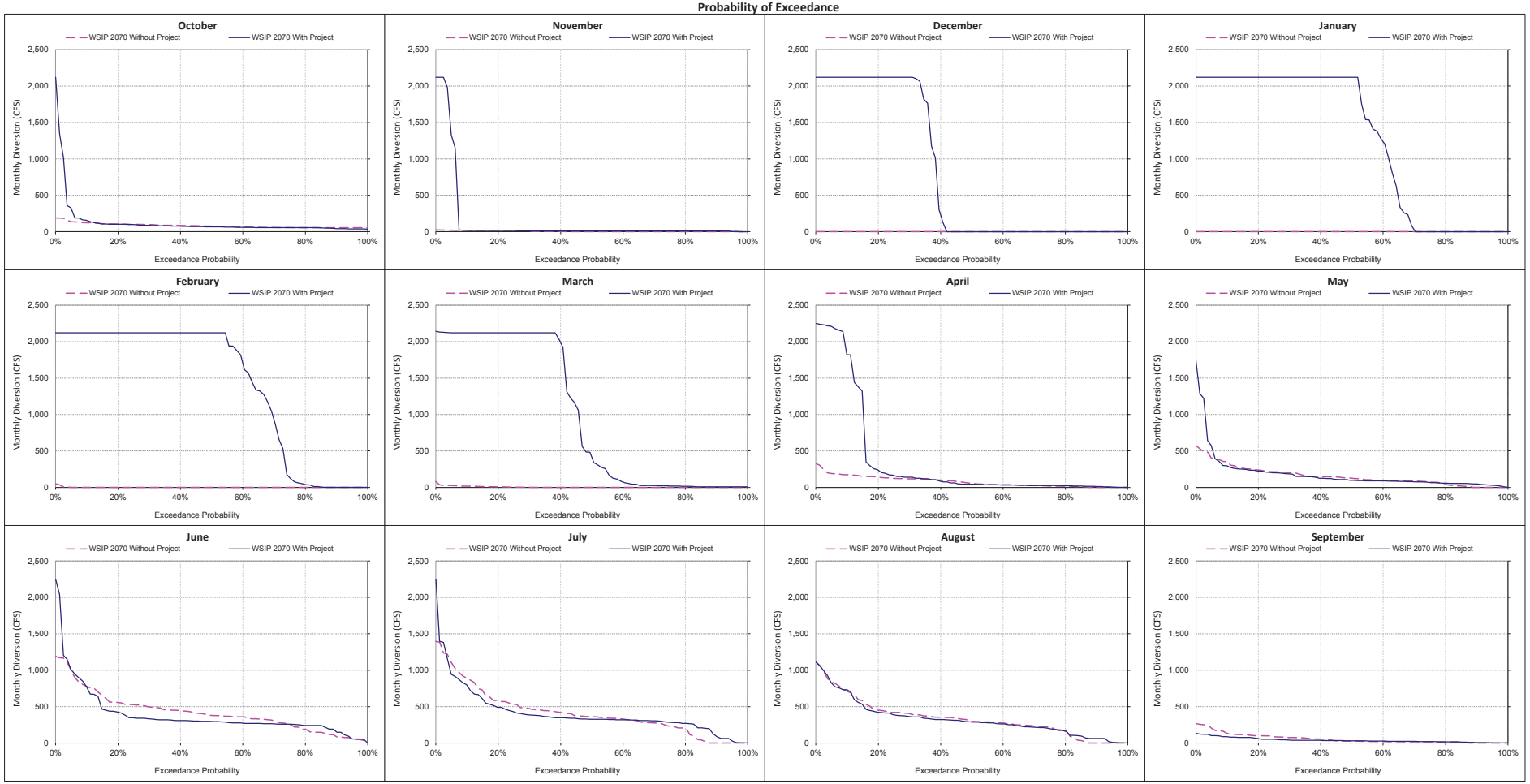


Table OP-01-b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	189	2,121	1,933	
1.2%	187	1,346	1,160	621.7%
2.5%	185	1,018	833	451.3%
3.7%	157	359	202	128.5%
4.9%	136	325	189	139.1%
6.2%	134	187	52	39.1%
7.4%	131	186	55	41.8%
8.6%	124	162	39	31.2%
9.9%	123	156	34	27.4%
11.1%	122	136	14	11.4%
12.3%	118	123	5	4.1%
13.6%	114	118	4	3.6%
14.8%	110	107	-3	-2.6%
16.0%	106	104	-2	-1.7%
17.3%	106	103	-3	-2.5%
18.5%	104	103	-1	-1.2%
19.8%	103	103	0	-0.1%
21.0%	103	101	-2	-1.9%
22.2%	102	100	-2	-1.9%
23.5%	101	98	-3	-3.0%
24.7%	100	97	-4	-3.8%
25.9%	100	94	-6	-5.7%
27.2%	100	88	-12	-11.7%
28.4%	98	87	-11	-11.0%
29.6%	97	86	-11	-11.3%
30.9%	96	83	-13	-13.9%
32.1%	93	83	-10	-10.9%
33.3%	88	81	-6	-7.1%
34.6%	87	80	-8	-8.8%
35.8%	87	79	-9	-9.8%
37.0%	86	77	-10	-11.1%
38.3%	85	76	-10	-11.4%
39.5%	85	75	-10	-11.7%
40.7%	84	75	-9	-10.9%
42.0%	82	73	-10	-11.8%
43.2%	82	71	-11	-13.3%
44.4%	81	70	-11	-13.7%
45.7%	80	68	-12	-14.4%
46.9%	79	68	-11	-13.5%
48.1%	77	67	-10	-12.6%
49.4%	76	67	-9	-12.2%
50.6%	75	66	-8	-11.3%
51.9%	75	64	-10	-13.6%
53.1%	73	64	-9	-11.7%
54.3%	72	64	-9	-12.0%
55.6%	70	63	-6	-9.2%
56.8%	70	62	-7	-10.3%
58.0%	68	61	-7	-10.6%
59.3%	64	61	-3	-4.8%
60.5%	63	59	-4	-6.1%
61.7%	62	57	-5	-7.9%
63.0%	61	57	-3	-5.6%
64.2%	61	56	-5	-7.8%
65.4%	60	56	-5	-8.0%
66.7%	58	55	-3	-5.6%
67.9%	58	55	-3	-5.2%
69.1%	58	54	-3	-5.6%
70.4%	57	54	-3	-5.3%
71.6%	56	54	-2	-3.1%
72.8%	56	54	-2	-3.0%
74.1%	56	54	-1	-2.3%
75.3%	55	54	-1	-2.3%
76.5%	55	54	-1	-1.7%
77.8%	55	54	-1	-1.6%
79.0%	55	54	0	-0.9%
80.2%	54	54	0	-0.1%
81.5%	54	54	0	-0.1%
82.7%	54	54	0	-0.1%
84.0%	54	54	0	-0.1%
85.2%	54	53	-1	-1.6%
86.4%	54	48	-6	-11.7%
87.7%	54	47	-7	-13.7%
88.9%	54	44	-10	-19.3%
90.1%	54	42	-12	-22.7%
91.4%	54	41	-13	-23.6%
92.6%	54	40	-14	-26.7%
93.8%	54	38	-17	-30.8%
95.1%	54	37	-18	-32.4%
96.3%	54	36	-18	-33.3%
97.5%	54	36	-18	-33.3%
98.8%	54	36	-18	-33.3%
100.0%	54	32	-22	-40.4%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24	2,121	2,097	
1.2%	23	2,121	2,098	
2.5%	22	2,121	2,099	
3.7%	21	1,983	1,962	
4.9%	21	1,330	1,309	
6.2%	18	1,149	1,131	
7.4%	18	23	6	32.5%
8.6%	17	21	4	25.7%
9.9%	17	20	3	20.6%
11.1%	17	17	0	0.0%
12.3%	17	17	0	0.0%
13.6%	17	17	0	0.0%
14.8%	17	17	0	0.0%
16.0%	17	17	0	0.0%
17.3%	17	17	0	0.0%
18.5%	17	17	0	0.0%
19.8%	17	17	0	0.0%
21.0%	17	17	0	0.0%
22.2%	17	17	0	0.0%
23.5%	17	17	0	0.0%
24.7%	17	15	-2	-8.9%
25.9%	17	14	-3	-16.3%
27.2%	17	14	-3	-19.3%
28.4%	17	13	-4	-23.5%
29.6%	17	12	-5	-31.0%
30.9%	4	11	7	173.4%
32.1%	4	11	7	176.2%
33.3%	3	11	7	229.1%
34.6%	2	10	7	296.3%
35.8%	2	10	8	477.6%
37.0%	1	10	8	575.8%
38.3%	1	9	8	607.7%
39.5%	1	9	8	671.4%
40.7%	1	9	8	740.2%
42.0%	1	9	8	
43.2%	1	9	8	
44.4%	0	8	8	
45.7%	0	8	8	
46.9%	0	8	8	
48.1%	0	8	8	
49.4%	0	8	8	
50.6%	0	8	8	
51.9%	0	8	8	
53.1%	0	8	8	
54.3%	0	8	8	
55.6%	0	8	8	
56.8%	0	8	8	
58.0%	0	8	8	
59.3%	0	8	8	
60.5%	0	8	8	
61.7%	0	8	8	
63.0%	0	8	8	
64.2%	0	8	8	
65.4%	0	8	8	
66.7%	0	8	8	
67.9%	0	8	8	
69.1%	0	8	8	
70.4%	0	8	8	
71.6%	0	8	8	
72.8%	0	8	8	
74.1%	0	8	8	
75.3%	0	8	8	
76.5%	0	8	8	
77.8%	0	8	8	
79.0%	0	8	8	
80.2%	0	8	8	
81.5%	0	8	8	
82.7%	0	8	8	
84.0%	0	8	8	
85.2%	0	8	8	
86.4%	0	8	8	
87.7%	0	8	8	
88.9%	0	8	8	
90.1%	0	8	8	
91.4%	0	8	8	
92.6%	0	8	8	
93.8%	0	8	8	
95.1%	0	2	2	
96.3%	0	2	2	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,121	2,121	
1.2%	0	2,121	2,121	
2.5%	0	2,121	2,121	
3.7%	0	2,121	2,121	
4.9%	0	2,121	2,121	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,102	2,102	
33.3%	0	2,066	2,066	
34.6%	0	1,823	1,823	
35.8%	0	1,766	1,766	
37.0%	0	1,175	1,175	
38.3%	0	1,010	1,010	
39.5%	0	303	303	
40.7%	0	126	126	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,121	2,121	
1.2%	0	2,121	2,121	
2.5%	0	2,121	2,121	
3.7%	0	2,121	2,121	
4.9%	0	2,121	2,121	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,121	
43.2%	0	2,121	2,121	
44.4%	0	2,121	2,121	
45.7%	0	2,121	2,121	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	2,121	2,121	
51.9%	0	2,121	2,121	
53.1%	0	1,752	1,752	
54.3%	0	1,541	1,541	
55.6%	0	1,536	1,536	
56.8%	0	1,408	1,408	
58.0%	0	1,381	1,381	
59.3%	0	1,280	1,280	
60.5%	0	1,204	1,204	
61.7%	0	1,006	1,006	
63.0%	0	808	808	
64.2%	0	628	628	
65.4%	0	332	332	
66.7%	0	259	259	
67.9%	0	234	234	
69.1%	0	81	81	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-01-b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49	2,121	2,073	
1.2%	34	2,121	2,087	
2.5%	7	2,121	2,115	
3.7%	4	2,121	2,118	
4.9%	1	2,121	2,120	
6.2%	0	2,121	2,121	
7.4%	0	2,121	2,121	
8.6%	0	2,121	2,121	
9.9%	0	2,121	2,121	
11.1%	0	2,121	2,121	
12.3%	0	2,121	2,121	
13.6%	0	2,121	2,121	
14.8%	0	2,121	2,121	
16.0%	0	2,121	2,121	
17.3%	0	2,121	2,121	
18.5%	0	2,121	2,121	
19.8%	0	2,121	2,121	
21.0%	0	2,121	2,121	
22.2%	0	2,121	2,121	
23.5%	0	2,121	2,121	
24.7%	0	2,121	2,121	
25.9%	0	2,121	2,121	
27.2%	0	2,121	2,121	
28.4%	0	2,121	2,121	
29.6%	0	2,121	2,121	
30.9%	0	2,121	2,121	
32.1%	0	2,121	2,121	
33.3%	0	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,121	2,121	
40.7%	0	2,121	2,121	
42.0%	0	2,121	2,121	
43.2%	0	2,121	2,121	
44.4%	0	2,121	2,121	
45.7%	0	2,121	2,121	
46.9%	0	2,121	2,121	
48.1%	0	2,121	2,121	
49.4%	0	2,121	2,121	
50.6%	0	2,121	2,121	
51.9%	0	2,121	2,121	
53.1%	0	2,121	2,121	
54.3%	0	2,121	2,121	
55.6%	0	1,941	1,941	
56.8%	0	1,939	1,939	
58.0%	0	1,878	1,878	
59.3%	0	1,819	1,819	
60.5%	0	1,614	1,614	
61.7%	0	1,571	1,571	
63.0%	0	1,449	1,449	
64.2%	0	1,336	1,336	
65.4%	0	1,323	1,323	
66.7%	0	1,276	1,276	
67.9%	0	1,173	1,173	
69.1%	0	1,045	1,045	
70.4%	0	874	874	
71.6%	0	656	656	
72.8%	0	530	530	
74.1%	0	174	174	
75.3%	0	120	120	
76.5%	0	75	75	
77.8%	0	61	61	
79.0%	0	52	52	
80.2%	0	36	36	
81.5%	0	32	32	
82.7%	0	12	12	
84.0%	0	10	10	
85.2%	0	4	4	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	80	2,144	2,064	
1.2%	34	2,131	2,098	
2.5%	28	2,130	2,103	
3.7%	27	2,124	2,097	
4.9%	24	2,124	2,099	
6.2%	23	2,124	2,101	
7.4%	18	2,122	2,104	
8.6%	17	2,122	2,105	
9.9%	16	2,122	2,105	
11.1%	16	2,121	2,105	
12.3%	15	2,121	2,106	
13.6%	12	2,121	2,109	
14.8%	11	2,121	2,110	
16.0%	9	2,121	2,112	
17.3%	9	2,121	2,112	
18.5%	8	2,121	2,113	
19.8%	7	2,121	2,114	
21.0%	7	2,121	2,115	
22.2%	5	2,121	2,116	
23.5%	5	2,121	2,117	
24.7%	3	2,121	2,119	
25.9%	2	2,121	2,119	
27.2%	2	2,121	2,119	
28.4%	1	2,121	2,120	
29.6%	1	2,121	2,120	
30.9%	1	2,121	2,120	
32.1%	1	2,121	2,121	
33.3%	1	2,121	2,121	
34.6%	0	2,121	2,121	
35.8%	0	2,121	2,121	
37.0%	0	2,121	2,121	
38.3%	0	2,121	2,121	
39.5%	0	2,034	2,034	
40.7%	0	1,922	1,922	
42.0%	0	1,311	1,311	
43.2%	0	1,222	1,222	
44.4%	0	1,168	1,168	
45.7%	0	1,061	1,061	
46.9%	0	563	563	
48.1%	0	485	485	
49.4%	0	483	483	
50.6%	0	339	339	
51.9%	0	311	311	
53.1%	0	275	275	
54.3%	0	258	258	
55.6%	0	165	165	
56.8%	0	124	124	
58.0%	0	113	113	
59.3%	0	86	86	
60.5%	0	64	64	
61.7%	0	53	53	
63.0%	0	44	44	
64.2%	0	44	44	
65.4%	0	25	25	
66.7%	0	25	25	
67.9%	0	25	25	
69.1%	0	25	25	
70.4%	0	25	25	
71.6%	0	23	23	
72.8%	0	23	23	
74.1%	0	20	20	
75.3%	0	20	20	
76.5%	0	19	19	
77.8%	0	19	19	
79.0%	0	16	16	
80.2%	0	15	15	
81.5%	0	13	13	
82.7%	0	12	12	
84.0%	0	9	9	
85.2%	0	9	9	
86.4%	0	9	9	
87.7%	0	8	8	
88.9%	0	8	8	
90.1%	0	8	8	
91.4%	0	8	8	
92.6%	0	8	8	
93.8%	0	8	8	
95.1%	0	8	8	
96.3%	0	8	8	
97.5%	0	8	8	
98.8%	0	8	8	
100.0%	0	8	8	

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	328	2,250	1,922	586.4%
1.2%	302	2,241	1,939	642.2%
2.5%	246	2,231	1,985	806.3%
3.7%	200	2,218	2,019	
4.9%	190	2,210	2,020	
6.2%	186	2,179	1,993	
7.4%	183	2,159	1,977	
8.6%	174	2,141	1,967	
9.9%	173	1,822	1,649	951.4%
11.1%	173	1,818	1,645	949.6%
12.3%	167	1,442	1,275	764.3%
13.6%	161	1,379	1,218	755.6%
14.8%	152	1,325	1,173	774.3%
16.0%	151	348	197	130.3%
17.3%	148	298	150	101.1%
18.5%	148	256	108	73.0%
19.8%	138	244	106	76.9%
21.0%	135	203	68	50.0%
22.2%	131	192	62	47.3%
23.5%	130	171	41	31.5%
24.7%	123	167	44	35.3%
25.9%	122	150	27	22.5%
27.2%	121	149	28	23.0%
28.4%	121	141	20	16.7%
29.6%	117	139	22	18.7%
30.9%	117	138	21	17.6%
32.1%	116	126	9	8.1%
33.3%	115	125	9	8.2%
34.6%	115	119	5	4.0%
35.8%	111	117	6	5.6%
37.0%	106	107	1	1.0%
38.3%	105	105	0	0.0%
39.5%	100	91	-9	-9.2%
40.7%	94	76	-18	-18.8%
42.0%	92	74	-18	-19.9%
43.2%	90	62	-27	-30.6%
44.4%	87	59	-28	-31.8%
45.7%	75	48	-27	-36.2%
46.9%	73	44	-29	-39.5%
48.1%	64	43	-21	-32.6%
49.4%	57	42	-15	-26.5%
50.6%	53	42	-11	-21.2%
51.9%	46	40	-6	-13.0%
53.1%	45	38	-7	-14.7%
54.3%	39	37	-1	-3.1%
55.6%	38	36	-2	-5.0%
56.8%	36	36	-1	-1.6%
58.0%	36	36	0	-1.0%
59.3%	36	34	-1	-4.1%
60.5%	36	34	-2	-5.2%
61.7%	36	34	-2	-6.0%
63.0%	35	32	-3	-9.4%
64.2%	32	31	-1	-2.0%
65.4%	29	28	-1	-4.4%
66.7%	29	27	-2	-6.1%
67.9%	29	27	-2	-6.0%
69.1%	25	27	2	8.9%
70.4%	24	27	3	11.7%
71.6%	22	27	5	23.2%
72.8%	22	27	5	23.5%
74.1%	21	27	6	30.1%
75.3%	18	27	9	48.8%
76.5%	17	26	9	53.3%
77.8%	17	24	7	43.9%
79.0%	16	24	8	50.5%
80.2%	15	23	8	53.0%
81.5%	15	22	7	47.8%
82.7%	13	20	7	49.8%
84.0%	9	19	10	108.5%
85.2%	8	17	9	120.1%
86.4%	7	15	8	113.0%
87.7%	0	13	13	
88.9%	0	13	13	
90.1%	0	12	12	
91.4%	0	12	12	
92.6%	0	8	8	
93.8%	0	8	8	
95.1%	0	5	5	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	575	1,746	1,171	203.7%
1.2%	529	1,287	757	143.1%
2.5%	493	1,225	732	148.5%
3.7%	485	643	159	32.7%
4.9%	400	575	175	43.6%
6.2%	400	393	-6	-1.5%
7.4%	383	359	-24	-6.3%
8.6%	356	298	-58	-16.3%
9.9%	353	297	-56	-15.7%
11.1%	303	271	-32	-10.5%
12.3%	296	261	-35	-11.9%
13.6%	265	253	-12	-4.4%
14.8%	265	250	-15	-5.5%
16.0%	254	248	-6	-2.5%
17.3%	253	237	-16	-6.3%
18.5%	244	235	-9	-3.7%
19.8%	240	224	-16	-6.5%
21.0%	231	223	-8	-3.4%
22.2%	225	210	-14	-6.4%
23.5%	216	206	-9	-4.3%
24.7%	214	202	-13	-5.9%
25.9%	214	200	-13	-6.3%
27.2%	210	197	-13	-6.1%
28.4%	206	189	-17	-8.4%
29.6%	200	185	-15	-7.7%
30.9%	197	181	-16	-8.4%
32.1%	195	152	-44	-22.4%
33.3%	179	150	-30	-16.7%
34.6%	164	149	-15	-8.9%
35.8%	154	148	-6	-3.8%
37.0%	151	147	-4	-2.9%
38.3%	150	140	-10	-6.6%
39.5%	148	125	-23	-15.5%
40.7%	147	125	-22	-15.1%
42.0%	146	123	-24	-16.1%
43.2%	146	122	-24	-16.2%
44.4%	145	109	-35	-24.5%
45.7%	141	108	-33	-23.3%
46.9%	134	106	-28	-20.7%
48.1%	130	106	-23	-18.0%
49.4%	129	97	-32	-25.0%
50.6%	122	95	-27	-22.0%
51.9%	119	92	-27	-22.8%
53.1%	118	92	-26	-22.0%
54.3%	105	90	-15	-14.6%
55.6%	104	89	-15	-14.7%
56.8%	100	89	-11	-11.5%
58.0%	99	89	-10	-10.2%
59.3%	95	88	-7	-7.1%
60.5%	91	88	-3	-3.8%
61.7%	91	88	-3	-3.8%
63.0%	89	85	-4	-5.0%
64.2%	89	84	-4	-5.0%
65.4%	89	84	-5	-5.6%
66.7%	89	82	-6	-7.3%
67.9%	88	78	-11	-11.9%
69.1%	87	77	-10	-11.6%
70.4%	86	75	-11	-12.3%
71.6%	84	75	-10	-11.6%
72.8%	81	74	-6	-7.9%
74.1%	79	72	-7	-9.2%
75.3%	73	64	-9	-12.4%
76.5%	70	64	-6	-8.5%
77.8%	68	62	-5	-7.7%
79.0%	39	57	18	44.9%
80.2%	37	56	20	53.7%
81.5%	29	52	23	80.6%
82.7%	24	52	28	117.7%
84.0%	21	52	32	152.6%
85.2%	17	52	35	200.0%
86.4%	14	52	38	274.3%
87.7%	13	51	38	288.8%
88.9%	0	48	48	
90.1%	0	46	46	
91.4%	0	39	39	
92.6%	0	36	36	
93.8%	0	33	33	
95.1%	0	30	30	
96.3%	0	25	25	
97.5%	0	19	19	
98.8%	0	9	9	
100.0%	0	0	0	

Table OP-01-b

Tehama Colusa Canal Intake at Red Bluff, Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,190	2,250	1,060	89.0%
1.2%	1,170	2,043	872	74.5%
2.5%	1,169	1,202	33	2.8%
3.7%	1,110	1,151	41	3.7%
4.9%	1,001	1,009	8	0.8%
6.2%	899	948	49	5.5%
7.4%	840	896	56	6.6%
8.6%	805	849	43	5.4%
9.9%	779	773	-6	-0.8%
11.1%	759	673	-86	-11.3%
12.3%	750	669	-81	-10.7%
13.6%	702	639	-62	-8.9%
14.8%	655	464	-191	-29.2%
16.0%	615	452	-163	-26.5%
17.3%	563	438	-124	-22.1%
18.5%	562	438	-123	-22.0%
19.8%	558	425	-133	-23.8%
21.0%	551	410	-141	-25.6%
22.2%	530	383	-147	-27.7%
23.5%	530	349	-181	-34.2%
24.7%	528	346	-182	-34.5%
25.9%	522	342	-180	-34.5%
27.2%	522	340	-182	-34.9%
28.4%	513	339	-174	-33.9%
29.6%	496	333	-163	-32.8%
30.9%	491	330	-161	-32.9%
32.1%	485	321	-164	-33.8%
33.3%	484	320	-164	-33.8%
34.6%	459	320	-139	-30.3%
35.8%	454	319	-134	-29.6%
37.0%	452	314	-138	-30.6%
38.3%	449	309	-140	-31.1%
39.5%	448	309	-139	-31.1%
40.7%	439	308	-132	-30.0%
42.0%	437	307	-130	-29.7%
43.2%	429	305	-124	-28.9%
44.4%	419	302	-117	-27.8%
45.7%	407	299	-107	-26.4%
46.9%	403	299	-105	-25.9%
48.1%	394	298	-96	-24.3%
49.4%	380	298	-83	-21.7%
50.6%	377	295	-83	-21.9%
51.9%	376	293	-82	-21.9%
53.1%	373	290	-83	-22.2%
54.3%	369	287	-82	-22.2%
55.6%	368	281	-87	-23.6%
56.8%	361	276	-85	-23.6%
58.0%	360	275	-85	-23.5%
59.3%	360	275	-85	-23.6%
60.5%	360	271	-89	-24.8%
61.7%	337	270	-67	-19.9%
63.0%	333	270	-63	-18.8%
64.2%	332	270	-62	-18.8%
65.4%	329	269	-61	-18.4%
66.7%	326	266	-60	-18.4%
67.9%	321	266	-55	-17.2%
69.1%	316	265	-50	-15.9%
70.4%	302	260	-42	-13.9%
71.6%	279	258	-21	-7.5%
72.8%	274	258	-17	-6.1%
74.1%	267	257	-10	-3.8%
75.3%	250	257	7	2.7%
76.5%	220	255	35	15.9%
77.8%	218	250	33	15.1%
79.0%	189	243	54	28.7%
80.2%	188	241	53	28.3%
81.5%	154	241	87	56.4%
82.7%	148	241	93	63.1%
84.0%	148	241	93	63.1%
85.2%	148	241	93	63.1%
86.4%	130	217	87	67.0%
87.7%	116	190	73	63.0%
88.9%	114	190	76	66.4%
90.1%	83	147	64	76.7%
91.4%	83	147	64	76.9%
92.6%	74	114	40	53.6%
93.8%	73	93	20	27.0%
95.1%	62	54	-8	-13.1%
96.3%	48	54	6	12.4%
97.5%	48	53	5	11.0%
98.8%	34	48	14	40.8%
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,397	2,250	853	61.1%
1.2%	1,383	1,397	14	1.0%
2.5%	1,239	1,383	144	11.6%
3.7%	1,218	1,158	-59	-4.9%
4.9%	1,108	944	-164	-14.8%
6.2%	1,025	915	-110	-10.7%
7.4%	970	873	-97	-10.0%
8.6%	920	828	-92	-10.0%
9.9%	891	799	-92	-10.3%
11.1%	863	719	-143	-16.6%
12.3%	831	671	-160	-19.2%
13.6%	746	663	-83	-11.1%
14.8%	732	611	-121	-16.5%
16.0%	648	548	-100	-15.4%
17.3%	630	534	-96	-15.2%
18.5%	585	516	-70	-11.9%
19.8%	585	489	-95	-16.3%
21.0%	569	489	-81	-14.2%
22.2%	568	464	-104	-18.3%
23.5%	550	448	-102	-18.5%
24.7%	530	433	-97	-18.4%
25.9%	529	412	-118	-22.2%
27.2%	486	406	-81	-16.6%
28.4%	484	393	-91	-18.8%
29.6%	477	387	-90	-18.9%
30.9%	463	383	-80	-17.3%
32.1%	458	379	-79	-17.2%
33.3%	455	378	-77	-17.0%
34.6%	445	364	-81	-18.2%
35.8%	444	363	-80	-18.1%
37.0%	438	355	-84	-19.1%
38.3%	431	349	-82	-19.0%
39.5%	422	348	-74	-17.5%
40.7%	414	347	-67	-16.1%
42.0%	405	342	-63	-15.5%
43.2%	404	340	-64	-15.9%
44.4%	377	340	-37	-9.8%
45.7%	371	332	-40	-10.6%
46.9%	369	328	-41	-11.1%
48.1%	363	328	-35	-9.7%
49.4%	363	327	-36	-9.8%
50.6%	362	327	-35	-9.6%
51.9%	357	327	-30	-8.5%
53.1%	351	326	-25	-7.2%
54.3%	347	324	-23	-6.5%
55.6%	341	321	-19	-5.7%
56.8%	339	321	-18	-5.4%
58.0%	338	320	-18	-5.3%
59.3%	333	320	-13	-3.9%
60.5%	326	319	-7	-2.1%
61.7%	318	318	0	0.1%
63.0%	313	317	4	1.3%
64.2%	309	316	8	2.5%
65.4%	290	309	19	6.4%
66.7%	283	307	24	8.5%
67.9%	280	307	27	9.7%
69.1%	277	306	30	10.7%
70.4%	274	303	29	10.5%
71.6%	271	302	31	11.5%
72.8%	258	295	37	14.3%
74.1%	237	286	48	20.4%
75.3%	228	282	54	23.7%
76.5%	224	281	58	25.8%
77.8%	207	281	74	35.7%
79.0%	207	271	64	30.7%
80.2%	203	268	64	31.7%
81.5%	113	264	151	134.0%
82.7%	95	257	162	170.1%
84.0%	46	207	161	345.8%
85.2%	41	207	166	403.6%
86.4%	17	200	182	
87.7%	0	199	199	
88.9%	0	127	127	
90.1%	0	88	88	
91.4%	0	62	62	
92.6%	0	62	62	
93.8%	0	62	62	
95.1%	0	26	26	
96.3%	0	6	6	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,114	1,114	0	0.0%
1.2%	1,062	1,062	0	0.0%
2.5%	990	994	4	0.4%
3.7%	885	930	45	5.1%
4.9%	839	827	-13	-1.5%
6.2%	819	773	-45	-5.5%
7.4%	783	756	-27	-3.4%
8.6%	735	733	-2	-0.2%
9.9%	713	732	18	2.6%
11.1%	691	704	14	2.0%
12.3%	663	592	-71	-10.7%
13.6%	596	560	-36	-6.1%
14.8%	584	534	-50	-8.5%
16.0%	532	463	-69	-12.9%
17.3%	507	447	-59	-11.7%
18.5%	460	438	-22	-4.8%
19.8%	452	424	-28	-6.2%
21.0%	446	419	-27	-6.0%
22.2%	439	411	-28	-6.3%
23.5%	421	411	-11	-2.5%
24.7%	420	391	-29	-7.0%
25.9%	419	379	-40	-9.6%
27.2%	418	377	-40	-9.7%
28.4%	411	374	-36	-8.9%
29.6%	409	365	-44	-10.8%
30.9%	391	360	-31	-7.9%
32.1%	388	359	-29	-7.5%
33.3%	386	358	-28	-7.2%
34.6%	372	341	-31	-8.2%
35.8%	370	336	-34	-9.2%
37.0%	362	328	-34	-9.5%
38.3%	355	324	-31	-8.9%
39.5%	355	324	-31	-8.9%
40.7%	354	322	-32	-9.1%
42.0%	350	317	-32	-9.3%
43.2%	350	316	-34	-9.6%
44.4%	344	313	-31	-8.9%
45.7%	337	311	-26	-7.8%
46.9%	326	302	-24	-7.5%
48.1%	323	295	-28	-8.7%
49.4%	301	291	-10	-3.3%
50.6%	297	287	-9	-3.1%
51.9%	294	287	-7	-2.4%
53.1%	290	281	-9	-3.2%
54.3%	290	279	-11	-3.9%
55.6%	289	277	-12	-4.1%
56.8%	281	277	-4	-1.6%
58.0%	279	266	-13	-4.8%
59.3%	277	261	-16	-5.7%
60.5%	272	260	-11	-4.2%
61.7%	261	253	-8	-3.2%
63.0%	260	251	-9	-3.5%
64.2%	250	238	-12	-4.9%
65.4%	248	232	-16	-6.3%
66.7%	244	224	-20	-8.3%
67.9%	243	223	-20	-8.1%
69.1%	237	218	-19	-8.1%
70.4%	229	214	-15	-6.6%
71.6%	223	212	-11	-5.1%
72.8%	220	211	-9	-4.1%
74.1%	220	204	-15	-7.0%
75.3%	219	193	-26	-11.8%
76.5%	189	186	-3	-1.5%
77.8%	182	172	-10	-5.7%
79.0%	179	171	-7	-4.0%
80.2%	162	157	-5	-3.0%
81.5%	90	106	16	18.0%
82.7%	76	105	29	38.8%
84.0%	37	100	63	171.6%
85.2%	33	93	60	183.3%
86.4%	14	70	56	
87.7%	0	62	62	
88.9%	0	62	62	
90.1%	0	62	62	
91.4%	0	62	62	
92.6%	0	62	62	
93.8%	0	19	19	
95.1%	0	7	7	
96.3%	0	5	5	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	266	132	-134	-50.4%
1.2%	257	124	-133	-51.6%
2.5%	251	120	-131	-52.1%
3.7%	251	118	-132	-52.8%
4.9%	205	102	-102	-50.1%
6.2%	172	101	-71	-41.1%
7.4%	164	98	-66	-40.2%
8.6%	164	88	-76	-46.2%
9.9%	133	88	-46	-34.2%
11.1%	120	81	-39	-32.4%
12.3%	120	79	-40	-33.8%
13.6%	116	76	-40	-34.7%
14.8%	116	75	-41	-35.1%
16.0%	113	75	-38	-33.9%
17.3%	106	75	-32	-29.8%
18.5%	100	70	-30	-30.1%
19.8%	100	61	-39	-39.2%
21.0%	100	52	-48	-47.7%
22.2%	98	52	-46	-47.2%
23.5%	98	50	-48	-48.6%
24.7%	86	50	-36	-41.8%
25.9%	83	48	-35	-42.3%
27.2%	82	44	-38	-45.9%
28.4%	82	44	-37	-45.9%
29.6%	75	41	-34	-45.6%
30.9%	75	37	-37	-50.1%
32.1%	74	37	-37	-50.0%
33.3%	74	37	-36	-49.5%
34.6%	69	37	-32	-46.4%
35.8%	65	37	-28	-42.6%
37.0%	56	37	-18	-33.0%
38.3%	55	37	-19	-34.1%
39.5%	54	36	-19	-34.6%
40.7%	51	34	-17	-33.5%
42.0%	49	33	-16	-33.4%
43.2%	41	32	-9	-21.8%
44.4%	32	32	1	2.3%
45.7%	27	32	5	18.7%
46.9%	27	32	5	19.2%
48.1%	27	31	4	15.6%
49.4%	26	30	4	15.0%
50.6%	26	30	4	16.0%
51.9%	25	29	5	19.1%
53.1%	24	29	5	22.7%
54.3%	23	28	6	25.1%
55.6%	21	26	5	23.4%
56.8%	21	26	5	25.3%
58.0%	20	25	5	25.7%
59.3%	20	25	6	27.9%
60.5%	19	25	6	32.4%
61.7%	18	25	6	33.4%
63.0%	18	24	6	33.9%
64.2%	18	24	6	33.2%
65.4%	18	24	6	34.8%
66.7%	17	24	7	37.8%
67.9%	17	24	6	37.8%
69.1%	17	23	6	34.4%
70.4%	17	23	6	35.3%
71.6%	17	21	4	25.3%
72.8%	17	20	4	23.1%
74.1%	17	20	4	21.8%
75.3%	16	19	3	16.2%
76.5%	16	18	3	17.0%
77.8%	15	17	2	12.6%
79.0%	15	17	2	10.1%
80.2%	15	15	1	3.5%
81.5%	15	15	1	5.0%
82.7%	14	15	1	9.1%
84.0%	14	14	1	5.3%
85.2%	12	12	0	-0.9%
86.4%	5	11	6	104.0%
87.7%	0	10	10	
88.9%	0	9	9	
90.1%	0	6	6	
91.4%	0	6	6	
92.6%	0	5	5	
93.8%	0	5	5	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure OP-02-b
Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion
Probability of Exceedance

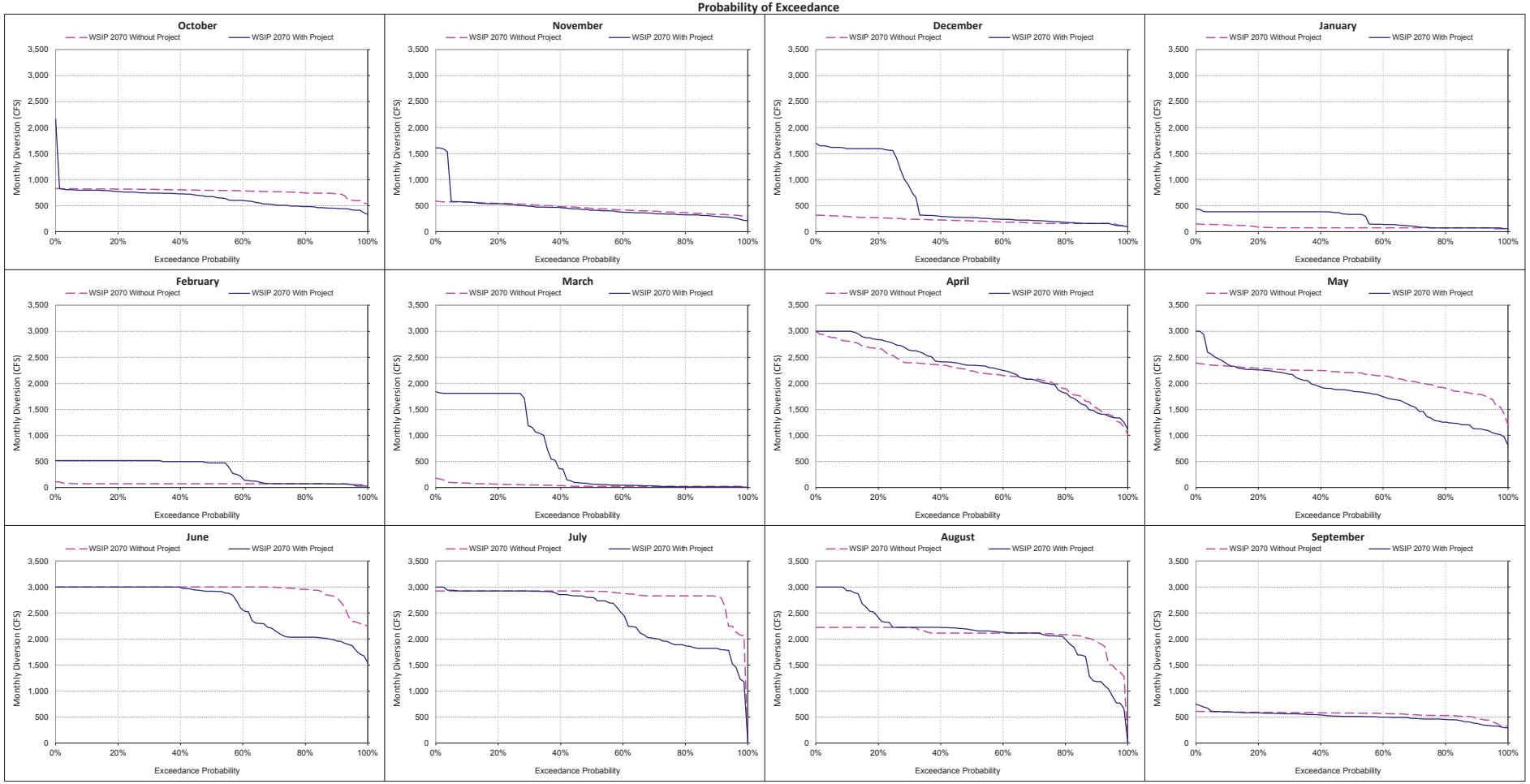


Table OP-02-b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	829	2,166	1,337	161.3%
1.2%	828	828	0	0.0%
2.5%	826	819	-7	-0.9%
3.7%	825	807	-18	-2.2%
4.9%	825	805	-20	-2.5%
6.2%	825	803	-23	-2.7%
7.4%	823	799	-25	-3.0%
8.6%	823	799	-25	-3.0%
9.9%	823	799	-24	-3.0%
11.1%	822	796	-26	-3.2%
12.3%	822	796	-26	-3.1%
13.6%	822	794	-27	-3.3%
14.8%	821	791	-30	-3.6%
16.0%	821	790	-32	-3.8%
17.3%	821	788	-32	-3.9%
18.5%	820	779	-41	-5.0%
19.8%	819	772	-47	-5.8%
21.0%	819	767	-52	-6.3%
22.2%	819	762	-56	-6.9%
23.5%	818	761	-57	-6.9%
24.7%	816	760	-56	-6.8%
25.9%	816	757	-59	-7.2%
27.2%	815	749	-66	-8.1%
28.4%	815	748	-66	-8.1%
29.6%	814	742	-73	-8.9%
30.9%	813	741	-71	-8.8%
32.1%	812	741	-71	-8.7%
33.3%	809	740	-70	-8.6%
34.6%	809	738	-71	-8.7%
35.8%	807	736	-71	-8.8%
37.0%	806	735	-71	-8.8%
38.3%	806	730	-76	-9.4%
39.5%	805	729	-76	-9.4%
40.7%	803	727	-75	-9.4%
42.0%	802	722	-79	-9.9%
43.2%	799	721	-78	-9.8%
44.4%	799	709	-89	-11.2%
45.7%	796	698	-98	-12.3%
46.9%	796	691	-105	-13.2%
48.1%	795	679	-116	-14.6%
49.4%	795	677	-117	-14.8%
50.6%	794	674	-120	-15.1%
51.9%	793	654	-139	-17.5%
53.1%	792	647	-144	-18.2%
54.3%	791	636	-155	-19.6%
55.6%	791	606	-185	-23.4%
56.8%	790	603	-187	-23.6%
58.0%	787	603	-185	-23.5%
59.3%	787	601	-186	-23.6%
60.5%	787	596	-191	-24.3%
61.7%	781	588	-193	-24.7%
63.0%	779	584	-195	-25.0%
64.2%	778	560	-218	-28.0%
65.4%	777	553	-225	-28.9%
66.7%	773	531	-242	-31.3%
67.9%	772	530	-241	-31.3%
69.1%	768	527	-240	-31.3%
70.4%	767	511	-257	-33.4%
71.6%	767	509	-258	-33.6%
72.8%	765	507	-258	-33.7%
74.1%	764	506	-258	-33.8%
75.3%	761	494	-267	-35.1%
76.5%	760	493	-267	-35.1%
77.8%	754	493	-261	-34.6%
79.0%	749	484	-266	-35.4%
80.2%	743	481	-262	-35.2%
81.5%	743	481	-262	-35.2%
82.7%	742	477	-265	-35.7%
84.0%	741	464	-277	-37.4%
85.2%	741	461	-280	-37.8%
86.4%	739	455	-283	-38.3%
87.7%	738	452	-286	-38.7%
88.9%	734	450	-283	-38.6%
90.1%	727	445	-282	-38.7%
91.4%	722	443	-280	-38.7%
92.6%	693	441	-252	-36.4%
93.8%	602	435	-167	-27.7%
95.1%	601	417	-184	-30.6%
96.3%	596	412	-184	-30.9%
97.5%	596	411	-185	-31.1%
98.8%	553	363	-189	-34.2%
100.0%	532	335	-197	-37.1%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	586	1,610	1,024	174.9%
1.2%	577	1,609	1,031	178.6%
2.5%	572	1,589	1,018	178.1%
3.7%	571	1,542	971	169.9%
4.9%	571	579	8	1.4%
6.2%	571	575	4	0.6%
7.4%	571	575	4	0.6%
8.6%	571	571	1	0.1%
9.9%	569	571	2	0.4%
11.1%	566	569	3	0.5%
12.3%	564	562	-2	-0.4%
13.6%	560	546	-14	-2.5%
14.8%	555	542	-13	-2.3%
16.0%	551	540	-11	-2.0%
17.3%	548	537	-11	-2.0%
18.5%	546	537	-9	-1.7%
19.8%	546	536	-10	-1.8%
21.0%	545	536	-10	-1.8%
22.2%	544	533	-11	-2.0%
23.5%	543	524	-19	-3.5%
24.7%	539	521	-18	-3.3%
25.9%	533	514	-19	-3.5%
27.2%	529	501	-29	-5.4%
28.4%	529	498	-31	-5.8%
29.6%	522	492	-30	-5.7%
30.9%	516	486	-30	-5.9%
32.1%	508	474	-34	-6.8%
33.3%	507	473	-34	-6.8%
34.6%	502	470	-32	-6.4%
35.8%	501	466	-34	-6.8%
37.0%	501	466	-35	-6.9%
38.3%	482	465	-17	-3.6%
39.5%	481	465	-16	-3.4%
40.7%	479	457	-22	-4.5%
42.0%	475	450	-25	-5.2%
43.2%	474	444	-30	-6.4%
44.4%	474	437	-37	-7.8%
45.7%	465	435	-30	-6.4%
46.9%	457	429	-28	-6.1%
48.1%	457	426	-31	-6.9%
49.4%	450	412	-38	-8.4%
50.6%	443	412	-32	-7.1%
51.9%	438	412	-26	-6.0%
53.1%	438	402	-35	-8.1%
54.3%	436	401	-35	-8.1%
55.6%	435	400	-35	-8.1%
56.8%	428	400	-29	-6.7%
58.0%	421	387	-33	-7.9%
59.3%	420	378	-43	-10.1%
60.5%	417	372	-45	-10.7%
61.7%	412	370	-42	-10.3%
63.0%	411	368	-43	-10.5%
64.2%	408	364	-44	-10.7%
65.4%	401	362	-39	-9.7%
66.7%	400	361	-39	-9.8%
67.9%	398	357	-41	-10.2%
69.1%	397	356	-41	-10.3%
70.4%	396	344	-51	-13.0%
71.6%	386	343	-43	-11.0%
72.8%	379	342	-36	-9.6%
74.1%	378	338	-40	-10.6%
75.3%	376	338	-38	-10.2%
76.5%	373	337	-36	-9.5%
77.8%	369	329	-41	-11.0%
79.0%	368	326	-42	-11.4%
80.2%	364	325	-40	-10.9%
81.5%	357	323	-35	-9.7%
82.7%	353	323	-30	-8.6%
84.0%	351	322	-29	-8.2%
85.2%	349	313	-36	-10.2%
86.4%	346	313	-33	-9.6%
87.7%	339	307	-32	-9.6%
88.9%	333	298	-35	-10.6%
90.1%	331	290	-41	-12.3%
91.4%	330	281	-49	-14.9%
92.6%	330	281	-49	-14.8%
93.8%	322	278	-44	-13.6%
95.1%	318	268	-50	-15.7%
96.3%	318	257	-60	-19.0%
97.5%	306	236	-70	-23.0%
98.8%	299	218	-81	-27.1%
100.0%	298	213	-85	-28.6%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	318	1,702	1,385	435.9%
1.2%	316	1,651	1,335	422.5%
2.5%	314	1,649	1,334	424.3%
3.7%	310	1,641	1,330	428.5%
4.9%	306	1,623	1,317	431.0%
6.2%	304	1,620	1,316	433.5%
7.4%	298	1,619	1,321	443.9%
8.6%	296	1,614	1,318	444.6%
9.9%	292	1,597	1,305	446.1%
11.1%	284	1,597	1,313	462.3%
12.3%	282	1,597	1,315	465.5%
13.6%	277	1,597	1,320	477.0%
14.8%	272	1,597	1,325	486.3%
16.0%	271	1,597	1,326	488.9%
17.3%	270	1,597	1,327	490.7%
18.5%	268	1,597	1,329	495.1%
19.8%	268	1,597	1,329	496.0%
21.0%	268	1,597	1,329	496.0%
22.2%	263	1,577	1,314	499.4%
23.5%	259	1,565	1,306	503.9%
24.7%	255	1,558	1,303	510.8%
25.9%	254	1,413	1,158	455.5%
27.2%	253	1,185	932	368.2%
28.4%	242	1,003	760	313.7%
29.6%	240	895	655	273.0%
30.9%	239	747	507	212.2%
32.1%	239	656	417	174.7%
33.3%	237	318	81	34.2%
34.6%	235	316	81	34.4%
35.8%	231	314	83	35.8%
37.0%	228	310	83	36.2%
38.3%	225	306	81	36.0%
39.5%	224	298	74	32.9%
40.7%	222	292	70	31.6%
42.0%	222	290	68	30.6%
43.2%	219	282	64	29.1%
44.4%	216	279	63	29.1%
45.7%	213	277	64	30.0%
46.9%	212	272	60	28.3%
48.1%	212	271	59	28.0%
49.4%	209	270	61	29.1%
50.6%	204	268	64	31.4%
51.9%	201	268	67	33.0%
53.1%	201	259	58	28.6%
54.3%	197	255	58	29.5%
55.6%	194	254	61	31.2%
56.8%	193	242	49	25.3%
58.0%	189	240	51	26.9%
59.3%	185	239	55	29.5%
60.5%	184	239	55	29.9%
61.7%	181	237	56	31.1%
63.0%	180	231	51	28.5%
64.2%	179	225	45	25.2%
65.4%	179	224	45	25.4%
66.7%	175	222	47	27.0%
67.9%	171	222	50	29.5%
69.1%	171	216	45	26.2%
70.4%	161	213	51	31.8%
71.6%	161	212	51	31.6%
72.8%	159	210	51	32.2%
74.1%	158	201	44	27.7%
75.3%	158	197	39	24.9%
76.5%	158	194	36	22.9%
77.8%	158	193	36	22.6%
79.0%	158	185	27	17.0%
80.2%	158	180	22	14.0%
81.5%	158	171	14	8.6%
82.7%	158	171	13	8.3%
84.0%	158	161	4	2.4%
85.2%	158	161	3	2.0%
86.4%	158	159	1	0.5%
87.7%	158	158	0	0.0%
88.9%	158	158	0	0.0%
90.1%	158	158	0	0.0%
91.4%	158	158	0	0.0%
92.6%	158	158	0	0.0%
93.8%	158	158	0	0.0%
95.1%	158	138	-19	-12.3%
96.3%	138	119	-19	-13.7%
97.5%	119	119	0	0.0%
98.8%	119	106	-13	-10.8%
100.0%	119	92	-27	-22.9%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	147	436	290	197.7%
1.2%	144	429	285	197.4%
2.5%	141	387	246	175.4%
3.7%	141	384	243	173.1%
4.9%	139	384	244	175.4%
6.2%	137	384	246	179.5%
7.4%	137	384	247	181.1%
8.6%	133	384	250	187.9%
9.9%	127	384	256	201.4%
11.1%	122	384	262	214.3%
12.3%	122	384	262	214.3%
13.6%	121	384	262	216.4%
14.8%	120	384	264	220.6%
16.0%	114	384	270	236.4%
17.3%	108	384	276	255.1%
18.5%	102	384	282	277.5%
19.8%	87	384	297	339.9%
21.0%	87	384	297	342.0%
22.2%	82	384	301	366.3%
23.5%	80	384	303	377.2%
24.7%	78	384	306	391.9%
25.9%	75	384	309	413.0%
27.2%	75	384	309	413.0%
28.4%	75	384	309	413.0%
29.6%	75	384	309	413.0%
30.9%	75	384	309	413.0%
32.1%	75	384	309	413.0%
33.3%	75	384	309	413.0%
34.6%	75	384	309	413.0%
35.8%	75	384	309	413.0%
37.0%	75	384	309	413.0%
38.3%	75	384	309	413.0%
39.5%	75	384	309	413.0%
40.7%	75	384	309	413.0%
42.0%	75	384	309	413.0%
43.2%	75	379	304	406.3%
44.4%	75	365	291	388.4%
45.7%	75	365	291	388.4%
46.9%	75	344	269	359.7%
48.1%	75	335	260	347.7%
49.4%	75	332	258	344.2%
50.6%	75	332	258	344.2%
51.9%	75	332	258	344.2%
53.1%	75	332	258	344.2%
54.3%	75	299	224	299.4%
55.6%	75	147	72	95.9%
56.8%	75	144	69	92.7%
58.0%	75	141	66	87.9%
59.3%	75	141	66	87.9%
60.5%	75	139	65	86.2%
61.7%	75	137	63	83.6%
63.0%	75	137	62	82.5%
64.2%	75	133	59	78.2%
65.4%	75	122	47	63.2%
66.7%	75	122	47	63.2%
67.9%	75	114	39	52.5%
69.1%	75	108	33	44.5%
70.4%	75	102	27	35.9%
71.6%	75	87	12	16.1%
72.8%	75	82	7	10.0%
74.1%	75	80	6	7.5%
75.3%	75	75	0	0.0%
76.5%	75	75	0	0.0%
77.8%	75	75	0	0.0%
79.0%	75	75	0	0.0%
80.2%	75	75	0	0.0%
81.5%	75	75	0	0.0%
82.7%	75	75	0	0.0%
84.0%	75	75	0	0.0%
85.2%	75	75	0	0.0%
86.4%	75	75	0	0.0%
87.7%	75	75	0	0.0%
88.9%	75	75	0	0.0%
90.1%	75	75	0	0.0%
91.4%	75	75	0	0.0%
92.6%	75	75	0	0.0%
93.8%	75	75	0	0.0%
95.1%	63	75	12	18.6%
96.3%	56	75	18	32.5%
97.5%	56	75	18	32.5%
98.8%	56	56	0	0.0%
100.0%	56	56	0	0.0%

Table OP-02-b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	107	513	406	380.9%
1.2%	103	513	411	400.0%
2.5%	81	513	432	534.2%
3.7%	80	513	433	541.7%
4.9%	74	513	439	590.2%
6.2%	68	513	445	650.0%
7.4%	68	513	445	650.0%
8.6%	68	513	445	650.0%
9.9%	68	513	445	650.0%
11.1%	68	513	445	650.0%
12.3%	68	513	445	650.0%
13.6%	68	513	445	650.0%
14.8%	68	513	445	650.0%
16.0%	68	513	445	650.0%
17.3%	68	513	445	650.0%
18.5%	68	513	445	650.0%
19.8%	68	513	445	650.0%
21.0%	68	513	445	650.0%
22.2%	68	513	445	650.0%
23.5%	68	513	445	650.0%
24.7%	68	513	445	650.0%
25.9%	68	513	445	650.0%
27.2%	68	513	445	650.0%
28.4%	68	513	445	650.0%
29.6%	68	513	445	650.0%
30.9%	68	513	445	650.0%
32.1%	68	513	445	650.0%
33.3%	68	513	445	650.0%
34.6%	68	496	428	625.5%
35.8%	68	496	428	625.5%
37.0%	68	496	428	625.5%
38.3%	68	495	427	624.1%
39.5%	68	495	427	624.1%
40.7%	68	495	427	624.1%
42.0%	68	495	427	624.1%
43.2%	68	495	427	624.1%
44.4%	68	495	427	624.1%
45.7%	68	495	427	624.1%
46.9%	68	495	427	624.1%
48.1%	68	479	411	600.5%
49.4%	68	471	402	587.8%
50.6%	68	471	402	587.8%
51.9%	68	471	402	587.8%
53.1%	68	471	402	587.8%
54.3%	68	471	402	587.8%
55.6%	68	385	317	462.7%
56.8%	68	265	196	286.6%
58.0%	68	252	184	269.0%
59.3%	68	214	145	212.1%
60.5%	68	133	65	94.7%
61.7%	68	130	62	90.0%
63.0%	68	123	54	79.3%
64.2%	68	118	50	72.5%
65.4%	68	100	32	46.7%
66.7%	68	80	12	16.9%
67.9%	68	74	6	8.7%
69.1%	68	73	4	6.4%
70.4%	68	68	0	0.0%
71.6%	68	68	0	0.0%
72.8%	68	68	0	0.0%
74.1%	66	68	2	3.6%
75.3%	66	68	2	3.6%
76.5%	66	68	2	3.6%
77.8%	66	68	2	3.6%
79.0%	66	68	2	3.6%
80.2%	66	68	2	3.6%
81.5%	66	68	2	3.6%
82.7%	66	68	2	3.6%
84.0%	66	68	2	3.6%
85.2%	66	68	2	3.6%
86.4%	66	68	2	3.6%
87.7%	66	66	0	0.0%
88.9%	66	66	0	0.0%
90.1%	66	66	0	0.0%
91.4%	66	66	0	0.0%
92.6%	66	66	0	0.0%
93.8%	62	62	0	0.0%
95.1%	52	54	3	5.1%
96.3%	52	26	-26	-50.2%
97.5%	52	26	-26	-50.2%
98.8%	50	26	-24	-48.5%
100.0%	50	26	-24	-48.8%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	176	1,838	1,662	945.4%
1.2%	162	1,819	1,657	
2.5%	143	1,807	1,663	
3.7%	98	1,807	1,709	
4.9%	94	1,807	1,713	
6.2%	90	1,807	1,717	
7.4%	90	1,807	1,717	
8.6%	84	1,807	1,722	
9.9%	84	1,807	1,723	
11.1%	77	1,807	1,730	
12.3%	74	1,807	1,733	
13.6%	69	1,807	1,737	
14.8%	69	1,807	1,737	
16.0%	69	1,807	1,738	
17.3%	66	1,807	1,740	
18.5%	66	1,807	1,741	
19.8%	61	1,807	1,745	
21.0%	58	1,807	1,748	
22.2%	58	1,807	1,749	
23.5%	56	1,807	1,750	
24.7%	56	1,807	1,750	
25.9%	54	1,807	1,752	
27.2%	50	1,802	1,752	
28.4%	48	1,704	1,656	
29.6%	46	1,189	1,143	
30.9%	46	1,155	1,109	
32.1%	45	1,060	1,015	
33.3%	44	1,041	997	
34.6%	41	1,000	959	
35.8%	40	720	680	
37.0%	40	546	505	
38.3%	33	520	487	
39.5%	32	358	326	
40.7%	32	349	316	981.8%
42.0%	25	143	118	477.0%
43.2%	25	128	103	416.6%
44.4%	22	94	72	324.3%
45.7%	22	90	68	309.5%
46.9%	22	82	60	272.0%
48.1%	22	78	57	260.2%
49.4%	20	63	44	223.6%
50.6%	20	61	41	211.8%
51.9%	20	60	40	207.2%
53.1%	20	55	36	183.6%
54.3%	20	53	34	171.8%
55.6%	20	46	27	136.4%
56.8%	20	46	27	136.4%
58.0%	20	44	24	124.6%
59.3%	20	42	23	117.5%
60.5%	20	42	23	115.6%
61.7%	20	42	22	112.8%
63.0%	20	39	20	101.0%
64.2%	20	37	18	92.1%
65.4%	20	36	16	84.4%
66.7%	20	31	11	56.6%
67.9%	20	30	11	53.9%
69.1%	20	30	11	53.9%
70.4%	20	23	4	18.5%
71.6%	20	21	2	9.5%
72.8%	20	17	-3	-15.0%
74.1%	20	16	-3	-16.9%
75.3%	20	16	-3	-16.9%
76.5%	20	14	-6	-28.8%
77.8%	20	11	-8	-41.7%
79.0%	20	11	-8	-41.7%
80.2%	20	11	-8	-41.7%
81.5%	20	11	-8	-41.7%
82.7%	20	11	-8	-41.7%
84.0%	20	11	-8	-41.7%
85.2%	20	11	-8	-41.7%
86.4%	20	11	-8	-41.7%
87.7%	20	11	-8	-41.7%
88.9%	20	11	-8	-41.7%
90.1%	20	11	-8	-41.7%
91.4%	20	11	-8	-41.7%
92.6%	20	11	-8	-41.7%
93.8%	20	11	-8	-41.7%
95.1%	20	11	-8	-41.7%
96.3%	20	11	-8	-41.7%
97.5%	20	7	-13	-66.2%
98.8%	15	5	-10	-66.2%
100.0%	15	0	-15	-100.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	2,945	3,000	55	1.9%
2.5%	2,937	3,000	63	2.2%
3.7%	2,905	3,000	95	3.3%
4.9%	2,883	3,000	117	4.1%
6.2%	2,877	3,000	123	4.3%
7.4%	2,851	3,000	149	5.2%
8.6%	2,818	3,000	182	6.4%
9.9%	2,813	3,000	187	6.6%
11.1%	2,806	3,000	194	6.9%
12.3%	2,789	2,981	192	6.9%
13.6%	2,768	2,951	183	6.6%
14.8%	2,717	2,897	180	6.6%
16.0%	2,706	2,877	171	6.3%
17.3%	2,685	2,874	189	7.0%
18.5%	2,680	2,851	171	6.4%
19.8%	2,666	2,842	176	6.6%
21.0%	2,666	2,837	171	6.4%
22.2%	2,605	2,810	206	7.9%
23.5%	2,543	2,797	255	10.0%
24.7%	2,538	2,771	234	9.2%
25.9%	2,484	2,736	252	10.1%
27.2%	2,452	2,727	276	11.2%
28.4%	2,398	2,689	290	12.1%
29.6%	2,395	2,643	247	10.3%
30.9%	2,395	2,625	230	9.6%
32.1%	2,393	2,625	232	9.7%
33.3%	2,385	2,599	215	9.0%
34.6%	2,380	2,571	192	8.0%
35.8%	2,377	2,527	150	6.3%
37.0%	2,364	2,512	148	6.3%
38.3%	2,363	2,429	66	2.8%
39.5%	2,353	2,414	62	2.6%
40.7%	2,347	2,411	65	2.8%
42.0%	2,342	2,410	68	2.9%
43.2%	2,318	2,406	88	3.8%
44.4%	2,310	2,398	88	3.8%
45.7%	2,291	2,386	95	4.2%
46.9%	2,283	2,369	86	3.8%
48.1%	2,267	2,353	86	3.8%
49.4%	2,239	2,346	107	4.8%
50.6%	2,235	2,345	110	4.9%
51.9%	2,205	2,343	137	6.2%
53.1%	2,197	2,339	142	6.5%
54.3%	2,189	2,332	143	6.5%
55.6%	2,181	2,302	121	5.5%
56.8%	2,173	2,298	125	5.7%
58.0%	2,171	2,279	108	5.0%
59.3%	2,160	2,256	96	4.4%
60.5%	2,144	2,243	99	4.6%
61.7%	2,139	2,229	90	4.2%
63.0%	2,136	2,197	61	2.9%
64.2%	2,130	2,174	44	2.1%
65.4%	2,130	2,110	-21	-1.0%
66.7%	2,090	2,092	2	0.1%
67.9%	2,080	2,079	-1	0.0%
69.1%	2,077	2,076	-1	-0.1%
70.4%	2,077	2,064	-13	-0.6%
71.6%	2,076	2,037	-39	-1.9%
72.8%	2,053	2,006	-47	-2.3%
74.1%	2,042	2,004	-38	-1.9%
75.3%	2,023	1,981	-41	-2.1%
76.5%	1,986	1,974	-12	-0.6%
77.8%	1,983	1,869	-114	-5.7%
79.0%	1,903	1,829	-74	-3.9%
80.2%	1,895	1,809	-86	-4.5%
81.5%	1,809	1,740	-69	-3.8%
82.7%	1,777	1,714	-63	-3.5%
84.0%	1,768	1,655	-112	-6.4%
85.2%	1,747	1,597	-151	-8.6%
86.4%	1,659	1,578	-81	-4.9%
87.7%	1,643	1,490	-153	-9.3%
88.9%	1,555	1,479	-75	-4.8%
90.1%	1,522	1,432	-91	-6.0%
91.4%	1,466	1,407	-59	-4.0%
92.6%	1,418	1,402	-16	-1.1%
93.8%	1,402	1,367	-35	-2.5%
95.1%	1,375	1,341	-34	-2.4%
96.3%	1,271	1,335	64	5.0%
97.5%	1,249	1,334	85	6.8%
98.8%	1,158	1,248	90	7.8%
100.0%	1,021	1,116	94	9.2%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,392	3,000	608	25.4%
1.2%	2,379	3,000	621	26.1%
2.5%	2,369	2,943	574	24.2%
3.7%	2,356	2,598	242	10.3%
4.9%	2,351	2,559	208	8.9%
6.2%	2,346	2,501	155	6.6%
7.4%	2,340	2,468	128	5.5%
8.6%	2,340	2,424	84	3.6%
9.9%	2,331	2,378	47	2.0%
11.1%	2,330	2,331	1	0.0%
12.3%	2,315	2,326	11	0.5%
13.6%	2,315	2,291	-24	-1.0%
14.8%	2,307	2,284	-23	-1.0%
16.0%	2,305	2,268	-37	-1.6%
17.3%	2,299	2,267	-31	-1.4%
18.5%	2,296	2,263	-34	-1.5%
19.8%	2,289	2,258	-31	-1.3%
21.0%	2,286	2,255	-31	-1.4%
22.2%	2,284	2,247	-37	-1.6%
23.5%	2,278	2,241	-38	-1.6%
24.7%	2,274	2,232	-42	-1.8%
25.9%	2,266	2,219	-47	-2.1%
27.2%	2,265	2,214	-52	-2.3%
28.4%	2,261	2,196	-64	-2.8%
29.6%	2,258	2,177	-81	-3.6%
30.9%	2,255	2,172	-82	-3.7%
32.1%	2,252	2,105	-148	-6.6%
33.3%	2,250	2,081	-169	-7.5%
34.6%	2,250	2,059	-191	-8.5%
35.8%	2,250	2,051	-199	-8.8%
37.0%	2,248	1,989	-259	-11.5%
38.3%	2,248	1,967	-281	-12.5%
39.5%	2,247	1,935	-312	-13.9%
40.7%	2,245	1,914	-331	-14.7%
42.0%	2,242	1,905	-337	-15.0%
43.2%	2,226	1,900	-326	-14.7%
44.4%	2,222	1,882	-339	-15.3%
45.7%	2,219	1,876	-343	-15.5%
46.9%	2,211	1,876	-335	-15.2%
48.1%	2,206	1,874	-332	-15.0%
49.4%	2,206	1,861	-344	-15.6%
50.6%	2,203	1,845	-358	-16.3%
51.9%	2,201	1,837	-364	-16.5%
53.1%	2,198	1,833	-366	-16.6%
54.3%	2,172	1,818	-354	-16.3%
55.6%	2,170	1,815	-355	-16.4%
56.8%	2,159	1,790	-369	-17.1%
58.0%	2,147	1,787	-360	-16.8%
59.3%	2,141	1,757	-384	-17.9%
60.5%	2,141	1,733	-408	-19.0%
61.7%	2,133	1,707	-426	-20.0%
63.0%	2,107	1,691	-416	-19.8%
64.2%	2,086	1,683	-404	-19.4%
65.4%	2,086	1,674	-412	-19.8%
66.7%	2,066	1,633	-432	-20.9%
67.9%	2,038	1,596	-441	-21.7%
69.1%	2,035	1,564	-471	-23.1%
70.4%	2,032	1,540	-492	-24.2%
71.6%	2,007	1,459	-547	-27.3%
72.8%	2,004	1,458	-546	-27.2%
74.1%	1,983	1,357	-626	-31.6%
75.3%	1,977	1,335	-642	-32.5%
76.5%	1,950	1,285	-665	-34.1%
77.8%	1,926	1,273	-653	-33.9%
79.0%	1,921	1,255	-666	-34.7%
80.2%	1,903	1,254	-649	-34.1%
81.5%	1,882	1,239	-642	-34.1%
82.7%	1,851	1,231	-620	-33.5%
84.0%	1,843	1,226	-616	-33.5%
85.2%	1,840	1,202	-638	-34.7%
86.4%	1,825	1,202	-622	-34.1%
87.7%	1,815	1,201	-614	-33.8%
88.9%	1,797	1,128	-669	-37.2%
90.1%	1,790	1,125	-664	-37.1%
91.4%	1,787	1,125	-662	-37.0%
92.6%	1,762	1,102	-659	-37.4%
93.8%	1,708	1,091	-617	-36.1%
95.1%	1,692	1,051	-642	-37.9%
96.3%	1,562	1,027	-535	-34.2%
97.5%	1,547	1,016	-531	-34.3%
98.8%	1,422	975	-446	-31.4%
100.0%	1,202	816	-387	-32.1%

Table OP-02-b

Glenn Colusa Canal Intake at Hamilton City, Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	3,000	3,000	0	0.0%
2.5%	3,000	3,000	0	0.0%
3.7%	3,000	3,000	0	0.0%
4.9%	3,000	3,000	0	0.0%
6.2%	3,000	3,000	0	0.0%
7.4%	3,000	3,000	0	0.0%
8.6%	3,000	3,000	0	0.0%
9.9%	3,000	3,000	0	0.0%
11.1%	3,000	3,000	0	0.0%
12.3%	3,000	3,000	0	0.0%
13.6%	3,000	3,000	0	0.0%
14.8%	3,000	3,000	0	0.0%
16.0%	3,000	3,000	0	0.0%
17.3%	3,000	3,000	0	0.0%
18.5%	3,000	3,000	0	0.0%
19.8%	3,000	3,000	0	0.0%
21.0%	3,000	3,000	0	0.0%
22.2%	3,000	3,000	0	0.0%
23.5%	3,000	3,000	0	0.0%
24.7%	3,000	3,000	0	0.0%
25.9%	3,000	3,000	0	0.0%
27.2%	3,000	3,000	0	0.0%
28.4%	3,000	3,000	0	0.0%
29.6%	3,000	3,000	0	0.0%
30.9%	3,000	3,000	0	0.0%
32.1%	3,000	3,000	0	0.0%
33.3%	3,000	3,000	0	0.0%
34.6%	3,000	3,000	0	0.0%
35.8%	3,000	3,000	0	0.0%
37.0%	3,000	3,000	0	0.0%
38.3%	3,000	2,998	-2	-0.1%
39.5%	3,000	2,998	-2	-0.1%
40.7%	3,000	2,972	-28	-0.9%
42.0%	3,000	2,967	-33	-1.1%
43.2%	3,000	2,962	-38	-1.3%
44.4%	3,000	2,944	-56	-1.9%
45.7%	3,000	2,940	-60	-2.0%
46.9%	3,000	2,927	-73	-2.4%
48.1%	3,000	2,920	-80	-2.7%
49.4%	3,000	2,917	-83	-2.8%
50.6%	3,000	2,916	-84	-2.8%
51.9%	3,000	2,915	-85	-2.8%
53.1%	3,000	2,915	-85	-2.8%
54.3%	3,000	2,884	-116	-3.9%
55.6%	3,000	2,877	-123	-4.1%
56.8%	3,000	2,840	-160	-5.3%
58.0%	3,000	2,730	-270	-9.0%
59.3%	3,000	2,591	-409	-13.6%
60.5%	3,000	2,532	-468	-15.6%
61.7%	3,000	2,522	-478	-15.9%
63.0%	3,000	2,355	-645	-21.5%
64.2%	3,000	2,307	-693	-23.1%
65.4%	3,000	2,299	-701	-23.4%
66.7%	3,000	2,296	-704	-23.5%
67.9%	2,998	2,222	-776	-25.9%
69.1%	2,998	2,207	-791	-26.4%
70.4%	2,996	2,162	-834	-27.8%
71.6%	2,988	2,108	-879	-29.4%
72.8%	2,985	2,066	-919	-30.8%
74.1%	2,979	2,041	-939	-31.5%
75.3%	2,977	2,037	-940	-31.6%
76.5%	2,974	2,037	-937	-31.5%
77.8%	2,961	2,037	-924	-31.2%
79.0%	2,953	2,037	-916	-31.0%
80.2%	2,953	2,037	-916	-31.0%
81.5%	2,950	2,036	-914	-31.0%
82.7%	2,940	2,034	-906	-30.8%
84.0%	2,940	2,029	-911	-31.0%
85.2%	2,915	2,021	-895	-30.7%
86.4%	2,851	2,015	-836	-29.3%
87.7%	2,840	2,002	-839	-29.5%
88.9%	2,827	1,988	-839	-29.7%
90.1%	2,792	1,960	-832	-29.8%
91.4%	2,712	1,954	-758	-28.0%
92.6%	2,610	1,920	-690	-26.4%
93.8%	2,434	1,894	-540	-22.2%
95.1%	2,338	1,870	-468	-20.0%
96.3%	2,326	1,773	-553	-23.8%
97.5%	2,296	1,710	-586	-25.5%
98.8%	2,292	1,677	-615	-26.8%
100.0%	2,236	1,543	-693	-31.0%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,923	3,000	77	2.6%
1.2%	2,923	3,000	77	2.6%
2.5%	2,923	3,000	77	2.6%
3.7%	2,923	2,941	17	0.6%
4.9%	2,923	2,938	15	0.5%
6.2%	2,923	2,931	8	0.3%
7.4%	2,923	2,923	0	0.0%
8.6%	2,923	2,923	0	0.0%
9.9%	2,923	2,923	0	0.0%
11.1%	2,923	2,923	0	0.0%
12.3%	2,923	2,923	0	0.0%
13.6%	2,923	2,923	0	0.0%
14.8%	2,923	2,923	0	0.0%
16.0%	2,923	2,923	0	0.0%
17.3%	2,923	2,923	0	0.0%
18.5%	2,923	2,923	0	0.0%
19.8%	2,923	2,923	0	0.0%
21.0%	2,923	2,923	0	0.0%
22.2%	2,923	2,923	0	0.0%
23.5%	2,923	2,923	0	0.0%
24.7%	2,923	2,923	0	0.0%
25.9%	2,923	2,923	0	0.0%
27.2%	2,923	2,923	0	0.0%
28.4%	2,923	2,923	0	0.0%
29.6%	2,923	2,921	-2	-0.1%
30.9%	2,923	2,918	-5	-0.2%
32.1%	2,923	2,918	-5	-0.2%
33.3%	2,923	2,918	-5	-0.2%
34.6%	2,923	2,913	-10	-0.4%
35.8%	2,923	2,913	-10	-0.4%
37.0%	2,923	2,908	-15	-0.5%
38.3%	2,923	2,887	-36	-1.2%
39.5%	2,923	2,852	-71	-2.4%
40.7%	2,923	2,852	-71	-2.4%
42.0%	2,923	2,852	-71	-2.4%
43.2%	2,923	2,841	-83	-2.8%
44.4%	2,923	2,828	-95	-3.3%
45.7%	2,923	2,828	-95	-3.3%
46.9%	2,918	2,828	-90	-3.1%
48.1%	2,918	2,802	-116	-4.0%
49.4%	2,918	2,798	-120	-4.1%
50.6%	2,918	2,795	-123	-4.2%
51.9%	2,915	2,735	-180	-6.2%
53.1%	2,915	2,733	-182	-6.2%
54.3%	2,913	2,733	-180	-6.2%
55.6%	2,913	2,693	-220	-7.6%
56.8%	2,895	2,690	-205	-7.1%
58.0%	2,888	2,611	-277	-9.6%
59.3%	2,883	2,518	-365	-12.7%
60.5%	2,871	2,438	-433	-15.1%
61.7%	2,866	2,244	-622	-21.7%
63.0%	2,866	2,241	-625	-21.8%
64.2%	2,851	2,223	-627	-22.0%
65.4%	2,840	2,115	-725	-25.5%
66.7%	2,836	2,087	-750	-26.4%
67.9%	2,828	2,032	-796	-28.1%
69.1%	2,828	2,018	-810	-28.6%
70.4%	2,828	2,009	-819	-29.0%
71.6%	2,828	1,993	-835	-29.5%
72.8%	2,828	1,961	-867	-30.7%
74.1%	2,828	1,957	-871	-30.8%
75.3%	2,828	1,918	-910	-32.2%
76.5%	2,828	1,889	-939	-33.2%
77.8%	2,828	1,889	-939	-33.2%
79.0%	2,828	1,888	-940	-33.2%
80.2%	2,828	1,863	-965	-34.1%
81.5%	2,828	1,862	-966	-34.2%
82.7%	2,828	1,833	-995	-35.2%
84.0%	2,828	1,821	-1,007	-35.6%
85.2%	2,828	1,821	-1,007	-35.6%
86.4%	2,828	1,820	-1,008	-35.6%
87.7%	2,828	1,820	-1,008	-35.6%
88.9%	2,828	1,820	-1,008	-35.6%
90.1%	2,810	1,819	-991	-35.3%
91.4%	2,799	1,795	-1,005	-35.9%
92.6%	2,635	1,788	-848	-32.2%
93.8%	2,247	1,778	-469	-20.9%
95.1%	2,244	1,523	-722	-32.2%
96.3%	2,128	1,452	-677	-31.8%
97.5%	2,076	1,228	-848	-40.8%
98.8%	2,064	1,176	-888	-43.0%
100.0%	0	0	0	

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,224	3,000	776	34.9%
1.2%	2,224	3,000	776	34.9%
2.5%	2,224	3,000	776	34.9%
3.7%	2,224	3,000	776	34.9%
4.9%	2,224	3,000	776	34.9%
6.2%	2,224	3,000	776	34.9%
7.4%	2,224	3,000	776	34.9%
8.6%	2,224	3,000	776	34.9%
9.9%	2,224	2,930	706	31.7%
11.1%	2,224	2,928	704	31.6%
12.3%	2,224	2,890	666	29.9%
13.6%	2,224	2,869	645	29.0%
14.8%	2,224	2,677	453	20.4%
16.0%	2,224	2,613	389	17.5%
17.3%	2,224	2,536	312	14.0%
18.5%	2,224	2,521	297	13.4%
19.8%	2,224	2,434	210	9.4%
21.0%	2,224	2,339	115	5.2%
22.2%	2,224	2,322	98	4.4%
23.5%	2,224	2,319	96	4.3%
24.7%	2,224	2,224	0	0.0%
25.9%	2,224	2,224	0	0.0%
27.2%	2,219	2,224	5	0.2%
28.4%	2,219	2,224	5	0.2%
29.6%	2,219	2,224	5	0.2%
30.9%	2,214	2,224	10	0.5%
32.1%	2,214	2,224	10	0.5%
33.3%	2,163	2,224	61	2.8%
34.6%	2,159	2,224	65	3.0%
35.8%	2,130	2,224	94	4.4%
37.0%	2,114	2,224	110	5.2%
38.3%	2,114	2,224	110	5.2%
39.5%	2,114	2,224	110	5.2%
40.7%	2,114	2,219	105	5.0%
42.0%	2,114	2,219	105	5.0%
43.2%	2,114	2,216	102	4.8%
44.4%	2,114	2,214	100	4.7%
45.7%	2,114	2,203	90	4.2%
46.9%	2,114	2,202	88	4.2%
48.1%	2,114	2,195	81	3.8%
49.4%	2,114	2,178	65	3.1%
50.6%	2,114	2,171	57	2.7%
51.9%	2,114	2,153	39	1.9%
53.1%	2,114	2,153	39	1.9%
54.3%	2,114	2,153	39	1.9%
55.6%	2,114	2,153	39	1.9%
56.8%	2,114	2,143	29	1.4%
58.0%	2,114	2,142	28	1.3%
59.3%	2,114	2,132	18	0.9%
60.5%	2,114	2,129	16	0.7%
61.7%	2,114	2,118	4	0.2%
63.0%	2,114	2,114	0	0.0%
64.2%	2,114	2,114	0	0.0%
65.4%	2,114	2,114	0	0.0%
66.7%	2,114	2,114	0	0.0%
67.9%	2,113	2,114	1	0.0%
69.1%	2,111	2,114	3	0.1%
70.4%	2,111	2,114	3	0.1%
71.6%	2,111	2,114	3	0.1%
72.8%	2,109	2,083	-26	-1.2%
74.1%	2,101	2,063	-38	-1.8%
75.3%	2,101	2,062	-39	-1.8%
76.5%	2,093	2,059	-34	-1.6%
77.8%	2,088	2,053	-35	-1.7%
79.0%	2,083	2,049	-33	-1.6%
80.2%	2,083	1,973	-109	-5.3%
81.5%	2,074	1,896	-178	-8.6%
82.7%	2,067	1,846	-221	-10.7%
84.0%	2,064	1,695	-370	-17.9%
85.2%	2,053	1,689	-364	-17.7%
86.4%	2,025	1,663	-362	-17.9%
87.7%	2,010	1,282	-728	-36.2%
88.9%	1,989	1,193	-796	-40.0%
90.1%	1,937	1,179	-759	-39.2%
91.4%	1,907	1,178	-728	-38.2%
92.6%	1,854	1,101	-753	-40.6%
93.8%	1,511	1,034	-477	-31.6%
95.1%	1,496	898	-599	-40.0%
96.3%	1,411	774	-637	-45.2%
97.5%	1,364	764	-600	-44.0%
98.8%	1,282	660	-622	-48.5%
100.0%	0	0	0	

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	609	746	137	22.4%
1.2%	607	723	116	19.2%
2.5%	607	690	84	13.8%
3.7%	606	670	64	10.5%
4.9%	605	609	4	0.7%
6.2%	601	607	6	1.0%
7.4%	600	605	5	0.8%
8.6%	599	597	-3	-0.4%
9.9%	599	597	-2	-0.4%
11.1%	597	594	-3	-0.4%
12.3%	597	591	-6	-1.0%
13.6%	593	590	-3	-0.5%
14.8%	592	585	-7	-1.3%
16.0%	591	584	-7	-1.3%
17.3%	591	582	-9	-1.4%
18.5%	590	582	-8	-1.4%
19.8%	590	581	-10	-1.6%
21.0%	590	577	-13	-2.2%
22.2%	590	572	-18	-3.0%
23.5%	590	571	-18	-3.1%
24.7%	589	571	-18	-3.0%
25.9%	588	566	-22	-3.7%
27.2%	587	564	-22	-3.8%
28.4%	586	562	-24	-4.1%
29.6%	586	561	-25	-4.2%
30.9%	585	561	-25	-4.2%
32.1%	585	560	-25	-4.2%
33.3%	585	557	-28	-4.8%
34.6%	584	555	-28	-4.9%
35.8%	583	548	-36	-6.1%
37.0%	583	548	-35	-6.0%
38.3%	582	547	-35	-5.9%
39.5%	581	541	-40	-6.9%
40.7%	580	535	-45	-7.7%
42.0%	578	528	-50	-8.6%
43.2%	578	522	-55	-9.6%
44.4%	578	516	-62	-10.7%
45.7%	577	515	-62	-10.8%
46.9%	577	514	-63	-10.9%
48.1%	576	513	-63	-11.0%
49.4%	576	513	-63	-10.9%
50.6%	575	512	-63	-11.0%
51.9%	575	512	-63	-11.0%
53.1%	572	512	-61	-10.6%
54.3%	572	509	-63	-11.0%
55.6%	571	509	-63	-11.0%
56.8%	571	506	-66	-11.5%
58.0%	571	503	-68	-11.9%
59.3%	568	497	-71	-12.4%
60.5%	564	497	-66	-11.8%
61.7%	563	494	-69	-12.3%
63.0%	563	493	-69	-12.3%
64.2%	561	492	-69	-12.3%
65.4%	561	491	-70	-12.4%
66.7%	556	491	-64	-11.6%
67.9%	550	487	-63	-11.5%
69.1%	546	473	-72	-13.2%
70.4%	543	473	-70	-12.8%
71.6%	537	467	-70	-13.0%
72.8%	535	464	-71	-13.3%
74.1%	532	462	-70	-13.2%
75.3%	530	461	-68	-12.9%
76.5%	530	461	-69	-12.9%
77.8%	528	460	-69	-13.0%
79.0%	528	455	-74	-13.9%
80.2%	528	453	-75	-14.2%
81.5%	528	448	-80	-15.1%
82.7%	527	446	-81	-15.3%
84.0%	516	441	-76	-14.7%
85.2%	516	427	-89	-17.3%
86.4%	512	405	-107	-20.9%
87.7%	509	404	-104	-20.5%
88.9%	498	382	-116	-23.2%
90.1%	461	378	-84	-18.1%
91.4%	460	355	-105	-22.7%
92.6%	442	341	-101	-22.9%
93.8%	441	338	-102	-23.2%
95.1%	404	327	-78	-19.2%
96.3%	378	325	-53	-14.0%
97.5%	336	313	-23	-6.8%
98.8%	327	298	-29	-8.8%
100.0%	325	290	-35	-10.9%

Figure OP-03-b
Delevan Intake and Pipeline, Monthly Diversion
Probability of Exceedance

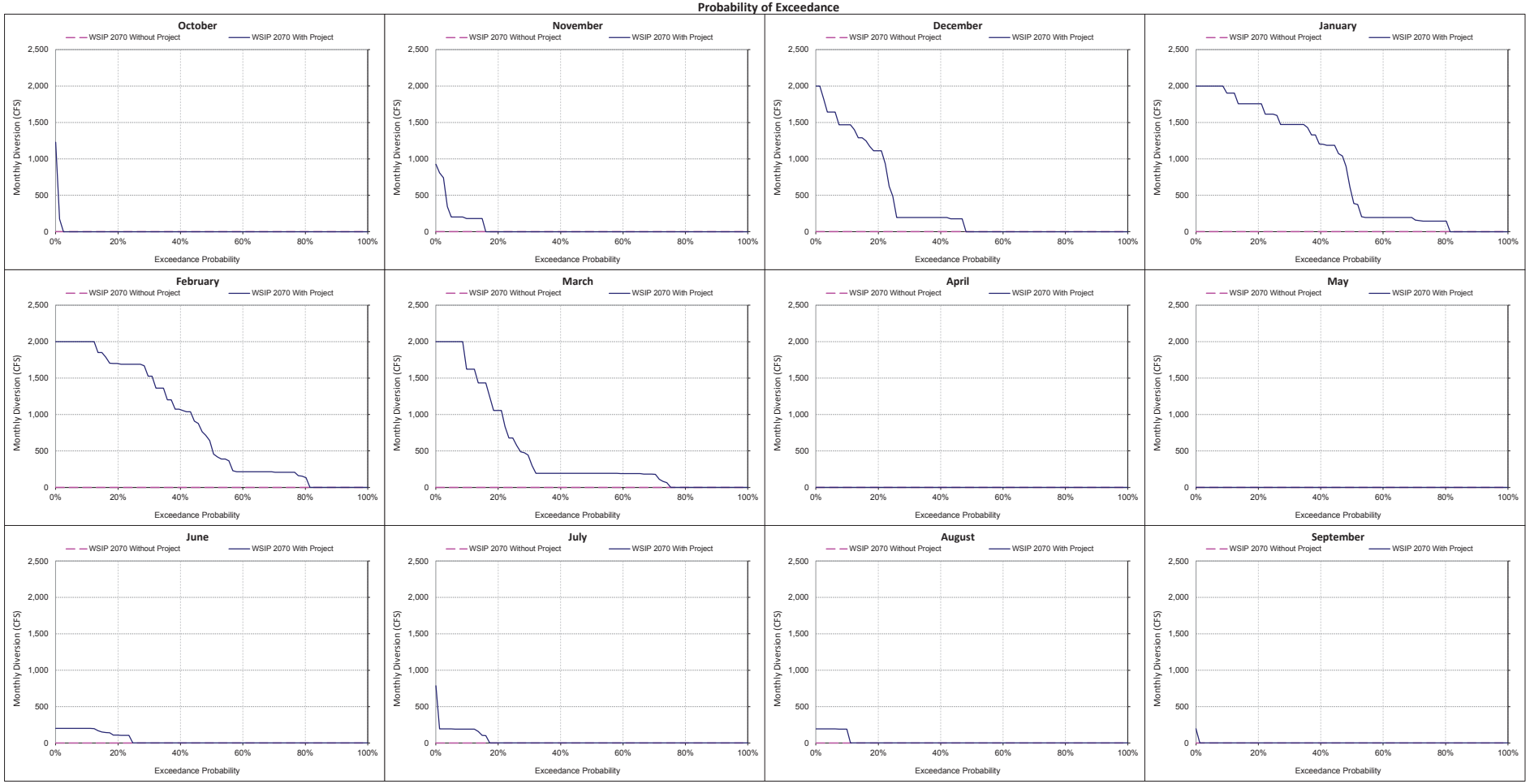


Table OP-03-b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,230	1,230	
1.2%	0	174	174	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	927	927	
1.2%	0	809	809	
2.5%	0	740	740	
3.7%	0	343	343	
4.9%	0	200	200	
6.2%	0	200	200	
7.4%	0	200	200	
8.6%	0	200	200	
9.9%	0	179	179	
11.1%	0	179	179	
12.3%	0	179	179	
13.6%	0	179	179	
14.8%	0	179	179	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	1,822	1,822	
3.7%	0	1,644	1,644	
4.9%	0	1,644	1,644	
6.2%	0	1,644	1,644	
7.4%	0	1,467	1,467	
8.6%	0	1,467	1,467	
9.9%	0	1,467	1,467	
11.1%	0	1,467	1,467	
12.3%	0	1,399	1,399	
13.6%	0	1,289	1,289	
14.8%	0	1,289	1,289	
16.0%	0	1,248	1,248	
17.3%	0	1,172	1,172	
18.5%	0	1,111	1,111	
19.8%	0	1,111	1,111	
21.0%	0	1,111	1,111	
22.2%	0	933	933	
23.5%	0	624	624	
24.7%	0	486	486	
25.9%	0	194	194	
27.2%	0	194	194	
28.4%	0	194	194	
29.6%	0	194	194	
30.9%	0	194	194	
32.1%	0	194	194	
33.3%	0	194	194	
34.6%	0	194	194	
35.8%	0	194	194	
37.0%	0	194	194	
38.3%	0	194	194	
39.5%	0	194	194	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	178	178	
44.4%	0	178	178	
45.7%	0	178	178	
46.9%	0	178	178	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	2,000	2,000	
6.2%	0	2,000	2,000	
7.4%	0	2,000	2,000	
8.6%	0	2,000	2,000	
9.9%	0	1,902	1,902	
11.1%	0	1,902	1,902	
12.3%	0	1,902	1,902	
13.6%	0	1,758	1,758	
14.8%	0	1,758	1,758	
16.0%	0	1,758	1,758	
17.3%	0	1,758	1,758	
18.5%	0	1,758	1,758	
19.8%	0	1,758	1,758	
21.0%	0	1,758	1,758	
22.2%	0	1,615	1,615	
23.5%	0	1,615	1,615	
24.7%	0	1,615	1,615	
25.9%	0	1,596	1,596	
27.2%	0	1,471	1,471	
28.4%	0	1,471	1,471	
29.6%	0	1,471	1,471	
30.9%	0	1,471	1,471	
32.1%	0	1,471	1,471	
33.3%	0	1,471	1,471	
34.6%	0	1,471	1,471	
35.8%	0	1,430	1,430	
37.0%	0	1,328	1,328	
38.3%	0	1,328	1,328	
39.5%	0	1,205	1,205	
40.7%	0	1,199	1,199	
42.0%	0	1,185	1,185	
43.2%	0	1,185	1,185	
44.4%	0	1,185	1,185	
45.7%	0	1,072	1,072	
46.9%	0	1,041	1,041	
48.1%	0	898	898	
49.4%	0	611	611	
50.6%	0	387	387	
51.9%	0	374	374	
53.1%	0	204	204	
54.3%	0	194	194	
55.6%	0	194	194	
56.8%	0	194	194	
58.0%	0	194	194	
59.3%	0	194	194	
60.5%	0	194	194	
61.7%	0	194	194	
63.0%	0	194	194	
64.2%	0	194	194	
65.4%	0	194	194	
66.7%	0	194	194	
67.9%	0	194	194	
69.1%	0	194	194	
70.4%	0	158	158	
71.6%	0	152	152	
72.8%	0	143	143	
74.1%	0	143	143	
75.3%	0	143	143	
76.5%	0	143	143	
77.8%	0	143	143	
79.0%	0	143	143	
80.2%	0	143	143	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-03-b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	2,000	2,000	
6.2%	0	2,000	2,000	
7.4%	0	2,000	2,000	
8.6%	0	2,000	2,000	
9.9%	0	2,000	2,000	
11.1%	0	2,000	2,000	
12.3%	0	2,000	2,000	
13.6%	0	1,852	1,852	
14.8%	0	1,852	1,852	
16.0%	0	1,785	1,785	
17.3%	0	1,705	1,705	
18.5%	0	1,701	1,701	
19.8%	0	1,701	1,701	
21.0%	0	1,689	1,689	
22.2%	0	1,689	1,689	
23.5%	0	1,689	1,689	
24.7%	0	1,689	1,689	
25.9%	0	1,689	1,689	
27.2%	0	1,689	1,689	
28.4%	0	1,668	1,668	
29.6%	0	1,527	1,527	
30.9%	0	1,527	1,527	
32.1%	0	1,364	1,364	
33.3%	0	1,364	1,364	
34.6%	0	1,364	1,364	
35.8%	0	1,202	1,202	
37.0%	0	1,202	1,202	
38.3%	0	1,075	1,075	
39.5%	0	1,075	1,075	
40.7%	0	1,056	1,056	
42.0%	0	1,039	1,039	
43.2%	0	1,039	1,039	
44.4%	0	911	911	
45.7%	0	877	877	
46.9%	0	763	763	
48.1%	0	714	714	
49.4%	0	642	642	
50.6%	0	455	455	
51.9%	0	418	418	
53.1%	0	389	389	
54.3%	0	389	389	
55.6%	0	364	364	
56.8%	0	229	229	
58.0%	0	214	214	
59.3%	0	214	214	
60.5%	0	214	214	
61.7%	0	214	214	
63.0%	0	214	214	
64.2%	0	214	214	
65.4%	0	214	214	
66.7%	0	214	214	
67.9%	0	214	214	
69.1%	0	214	214	
70.4%	0	207	207	
71.6%	0	207	207	
72.8%	0	207	207	
74.1%	0	207	207	
75.3%	0	207	207	
76.5%	0	207	207	
77.8%	0	163	163	
79.0%	0	154	154	
80.2%	0	133	133	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,000	2,000	
1.2%	0	2,000	2,000	
2.5%	0	2,000	2,000	
3.7%	0	2,000	2,000	
4.9%	0	2,000	2,000	
6.2%	0	2,000	2,000	
7.4%	0	2,000	2,000	
8.6%	0	2,000	2,000	
9.9%	0	1,622	1,622	
11.1%	0	1,622	1,622	
12.3%	0	1,622	1,622	
13.6%	0	1,434	1,434	
14.8%	0	1,434	1,434	
16.0%	0	1,434	1,434	
17.3%	0	1,246	1,246	
18.5%	0	1,056	1,056	
19.8%	0	1,056	1,056	
21.0%	0	1,056	1,056	
22.2%	0	835	835	
23.5%	0	679	679	
24.7%	0	679	679	
25.9%	0	575	575	
27.2%	0	490	490	
28.4%	0	474	474	
29.6%	0	441	441	
30.9%	0	301	301	
32.1%	0	194	194	
33.3%	0	194	194	
34.6%	0	194	194	
35.8%	0	194	194	
37.0%	0	194	194	
38.3%	0	194	194	
39.5%	0	194	194	
40.7%	0	194	194	
42.0%	0	194	194	
43.2%	0	194	194	
44.4%	0	194	194	
45.7%	0	194	194	
46.9%	0	194	194	
48.1%	0	194	194	
49.4%	0	194	194	
50.6%	0	194	194	
51.9%	0	194	194	
53.1%	0	194	194	
54.3%	0	194	194	
55.6%	0	194	194	
56.8%	0	194	194	
58.0%	0	194	194	
59.3%	0	189	189	
60.5%	0	189	189	
61.7%	0	189	189	
63.0%	0	189	189	
64.2%	0	189	189	
65.4%	0	189	189	
66.7%	0	181	181	
67.9%	0	181	181	
69.1%	0	181	181	
70.4%	0	180	180	
71.6%	0	110	110	
72.8%	0	82	82	
74.1%	0	65	65	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-03-b

Delevan Intake and Pipeline, Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	200	200	
1.2%	0	200	200	
2.5%	0	200	200	
3.7%	0	200	200	
4.9%	0	200	200	
6.2%	0	200	200	
7.4%	0	200	200	
8.6%	0	200	200	
9.9%	0	200	200	
11.1%	0	200	200	
12.3%	0	197	197	
13.6%	0	168	168	
14.8%	0	153	153	
16.0%	0	144	144	
17.3%	0	141	141	
18.5%	0	110	110	
19.8%	0	107	107	
21.0%	0	104	104	
22.2%	0	104	104	
23.5%	0	104	104	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	787	787	
1.2%	0	194	194	
2.5%	0	194	194	
3.7%	0	194	194	
4.9%	0	194	194	
6.2%	0	190	190	
7.4%	0	190	190	
8.6%	0	190	190	
9.9%	0	190	190	
11.1%	0	190	190	
12.3%	0	190	190	
13.6%	0	158	158	
14.8%	0	106	106	
16.0%	0	101	101	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	194	194	
1.2%	0	194	194	
2.5%	0	194	194	
3.7%	0	194	194	
4.9%	0	194	194	
6.2%	0	194	194	
7.4%	0	190	190	
8.6%	0	190	190	
9.9%	0	190	190	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	197	197	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure OP-04-b
Funks Reservoir to Sites Reservoir, Monthly Diversion
Probability of Exceedance

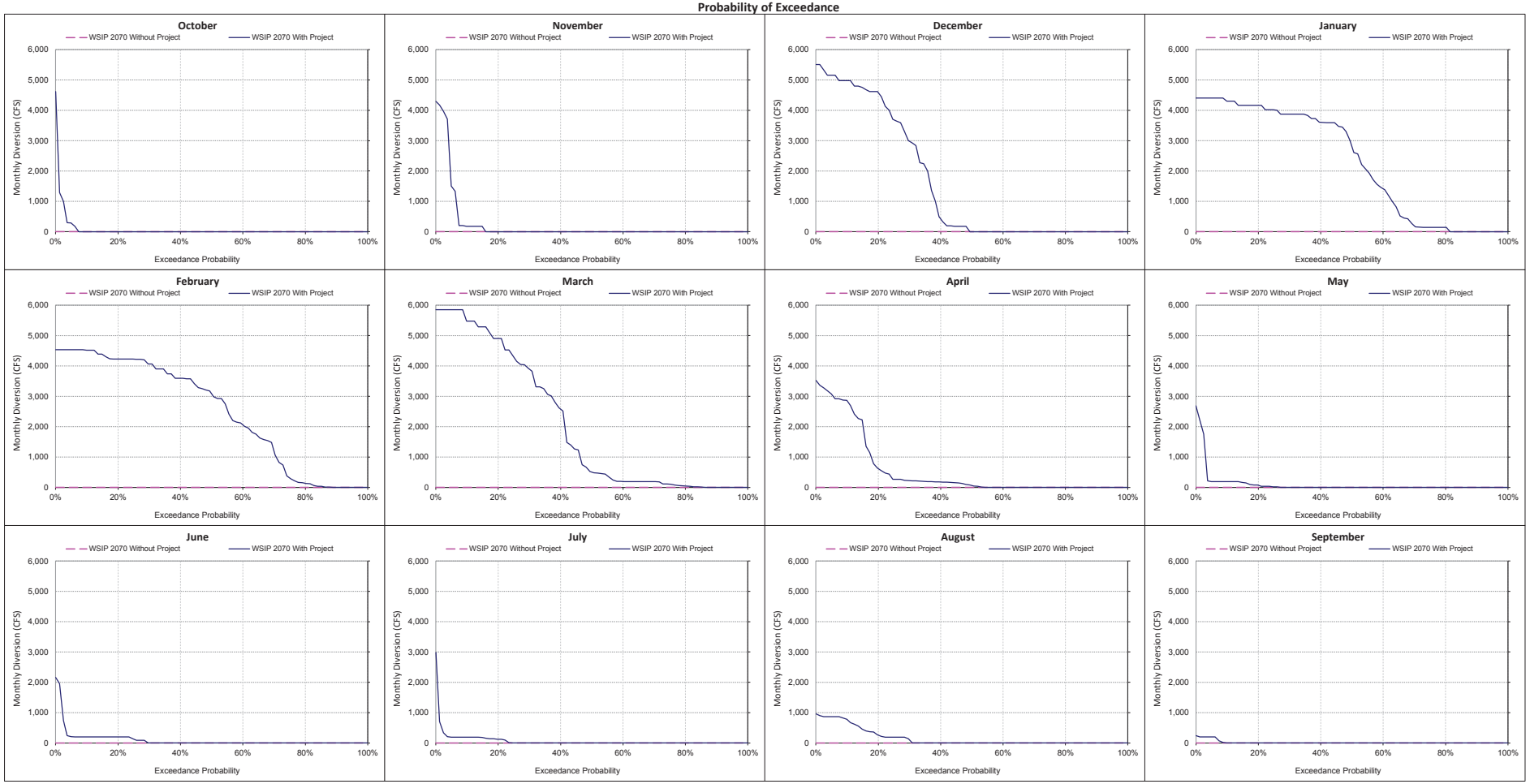


Table OP-04-b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,617	4,617	
1.2%	0	1,289	1,289	
2.5%	0	1,000	1,000	
3.7%	0	298	298	
4.9%	0	284	284	
6.2%	0	174	174	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,293	4,293	
1.2%	0	4,175	4,175	
2.5%	0	3,969	3,969	
3.7%	0	3,709	3,709	
4.9%	0	1,500	1,500	
6.2%	0	1,329	1,329	
7.4%	0	200	200	
8.6%	0	200	200	
9.9%	0	179	179	
11.1%	0	179	179	
12.3%	0	179	179	
13.6%	0	179	179	
14.8%	0	179	179	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,511	5,511	
1.2%	0	5,511	5,511	
2.5%	0	5,333	5,333	
3.7%	0	5,155	5,155	
4.9%	0	5,155	5,155	
6.2%	0	5,155	5,155	
7.4%	0	4,978	4,978	
8.6%	0	4,978	4,978	
9.9%	0	4,978	4,978	
11.1%	0	4,978	4,978	
12.3%	0	4,800	4,800	
13.6%	0	4,800	4,800	
14.8%	0	4,759	4,759	
16.0%	0	4,683	4,683	
17.3%	0	4,622	4,622	
18.5%	0	4,622	4,622	
19.8%	0	4,622	4,622	
21.0%	0	4,444	4,444	
22.2%	0	4,135	4,135	
23.5%	0	4,000	4,000	
24.7%	0	3,705	3,705	
25.9%	0	3,645	3,645	
27.2%	0	3,594	3,594	
28.4%	0	3,301	3,301	
29.6%	0	2,998	2,998	
30.9%	0	2,923	2,923	
32.1%	0	2,842	2,842	
33.3%	0	2,274	2,274	
34.6%	0	2,239	2,239	
35.8%	0	1,998	1,998	
37.0%	0	1,357	1,357	
38.3%	0	1,000	1,000	
39.5%	0	493	493	
40.7%	0	318	318	
42.0%	0	194	194	
43.2%	0	194	194	
44.4%	0	178	178	
45.7%	0	178	178	
46.9%	0	178	178	
48.1%	0	178	178	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,403	4,403	
1.2%	0	4,403	4,403	
2.5%	0	4,403	4,403	
3.7%	0	4,403	4,403	
4.9%	0	4,403	4,403	
6.2%	0	4,403	4,403	
7.4%	0	4,403	4,403	
8.6%	0	4,403	4,403	
9.9%	0	4,305	4,305	
11.1%	0	4,305	4,305	
12.3%	0	4,305	4,305	
13.6%	0	4,161	4,161	
14.8%	0	4,161	4,161	
16.0%	0	4,161	4,161	
17.3%	0	4,161	4,161	
18.5%	0	4,161	4,161	
19.8%	0	4,161	4,161	
21.0%	0	4,161	4,161	
22.2%	0	4,018	4,018	
23.5%	0	4,018	4,018	
24.7%	0	4,018	4,018	
25.9%	0	3,999	3,999	
27.2%	0	3,874	3,874	
28.4%	0	3,874	3,874	
29.6%	0	3,874	3,874	
30.9%	0	3,874	3,874	
32.1%	0	3,874	3,874	
33.3%	0	3,874	3,874	
34.6%	0	3,874	3,874	
35.8%	0	3,833	3,833	
37.0%	0	3,731	3,731	
38.3%	0	3,731	3,731	
39.5%	0	3,608	3,608	
40.7%	0	3,602	3,602	
42.0%	0	3,588	3,588	
43.2%	0	3,587	3,587	
44.4%	0	3,587	3,587	
45.7%	0	3,475	3,475	
46.9%	0	3,444	3,444	
48.1%	0	3,300	3,300	
49.4%	0	3,013	3,013	
50.6%	0	2,607	2,607	
51.9%	0	2,564	2,564	
53.1%	0	2,211	2,211	
54.3%	0	2,070	2,070	
55.6%	0	1,928	1,928	
56.8%	0	1,719	1,719	
58.0%	0	1,560	1,560	
59.3%	0	1,461	1,461	
60.5%	0	1,386	1,386	
61.7%	0	1,190	1,190	
63.0%	0	994	994	
64.2%	0	815	815	
65.4%	0	522	522	
66.7%	0	450	450	
67.9%	0	425	425	
69.1%	0	273	273	
70.4%	0	158	158	
71.6%	0	152	152	
72.8%	0	143	143	
74.1%	0	143	143	
75.3%	0	143	143	
76.5%	0	143	143	
77.8%	0	143	143	
79.0%	0	143	143	
80.2%	0	143	143	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4,536	4,536	
1.2%	0	4,536	4,536	
2.5%	0	4,536	4,536	
3.7%	0	4,536	4,536	
4.9%	0	4,536	4,536	
6.2%	0	4,536	4,536	
7.4%	0	4,536	4,536	
8.6%	0	4,536	4,536	
9.9%	0	4,521	4,521	
11.1%	0	4,521	4,521	
12.3%	0	4,521	4,521	
13.6%	0	4,388	4,388	
14.8%	0	4,388	4,388	
16.0%	0	4,306	4,306	
17.3%	0	4,241	4,241	
18.5%	0	4,225	4,225	
19.8%	0	4,225	4,225	
21.0%	0	4,225	4,225	
22.2%	0	4,225	4,225	
23.5%	0	4,225	4,225	
24.7%	0	4,225	4,225	
25.9%	0	4,222	4,222	
27.2%	0	4,222	4,222	
28.4%	0	4,204	4,204	
29.6%	0	4,063	4,063	
30.9%	0	4,063	4,063	
32.1%	0	3,900	3,900	
33.3%	0	3,900	3,900	
34.6%	0	3,900	3,900	
35.8%	0	3,738	3,738	
37.0%	0	3,738	3,738	
38.3%	0	3,596	3,596	
39.5%	0	3,596	3,596	
40.7%	0	3,592	3,592	
42.0%	0	3,575	3,575	
43.2%	0	3,575	3,575	
44.4%	0	3,413	3,413	
45.7%	0	3,284	3,284	
46.9%	0	3,250	3,250	
48.1%	0	3,206	3,206	
49.4%	0	3,178	3,178	
50.6%	0	2,991	2,991	
51.9%	0	2,925	2,925	
53.1%	0	2,925	2,925	
54.3%	0	2,750	2,750	
55.6%	0	2,416	2,416	
56.8%	0	2,200	2,200	
58.0%	0	2,152	2,152	
59.3%	0	2,126	2,126	
60.5%	0	2,015	2,015	
61.7%	0	1,954	1,954	
63.0%	0	1,812	1,812	
64.2%	0	1,758	1,758	
65.4%	0	1,624	1,624	
66.7%	0	1,577	1,577	
67.9%	0	1,544	1,544	
69.1%	0	1,477	1,477	
70.4%	0	1,065	1,065	
71.6%	0	826	826	
72.8%	0	739	739	
74.1%	0	378	378	
75.3%	0	282	282	
76.5%	0	214	214	
77.8%	0	163	163	
79.0%	0	154	154	
80.2%	0	133	133	
81.5%	0	118	118	
82.7%	0	60	60	
84.0%	0	35	35	
85.2%	0	31	31	
86.4%	0	12	12	
87.7%	0	9	9	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	5,852	5,852	
1.2%	0	5,852	5,852	
2.5%	0	5,852	5,852	
3.7%	0	5,852	5,852	
4.9%	0	5,852	5,852	
6.2%	0	5,852	5,852	
7.4%	0	5,852	5,852	
8.6%	0	5,852	5,852	
9.9%	0	5,474	5,474	
11.1%	0	5,474	5,474	
12.3%	0	5,474	5,474	
13.6%	0	5,286	5,286	
14.8%	0	5,286	5,286	
16.0%	0	5,286	5,286	
17.3%	0	5,097	5,097	
18.5%	0	4,908	4,908	
19.8%	0	4,908	4,908	
21.0%	0	4,908	4,908	
22.2%	0	4,531	4,531	
23.5%	0	4,531	4,531	
24.7%	0	4,342	4,342	
25.9%	0	4,153	4,153	
27.2%	0	4,046	4,046	
28.4%	0	4,039	4,039	
29.6%	0	3,929	3,929	
30.9%	0	3,824	3,824	
32.1%	0	3,312	3,312	
33.3%	0	3,308	3,308	
34.6%	0	3,254	3,254	
35.8%	0	3,061	3,061	
37.0%	0	3,011	3,011	
38.3%	0	2,796	2,796	
39.5%	0	2,624	2,624	
40.7%	0	2,516	2,516	
42.0%	0	1,483	1,483	
43.2%	0	1,395	1,395	
44.4%	0	1,270	1,270	
45.7%	0	1,236	1,236	
46.9%	0	743	743	
48.1%	0	665	665	
49.4%	0	521	521	
50.6%	0	478	478	
51.9%	0	475	475	
53.1%	0	458	458	
54.3%	0	434	434	
55.6%	0	332	332	
56.8%	0	241	241	
58.0%	0	202	202	
59.3%	0	194	194	
60.5%	0	189	189	
61.7%	0	189	189	
63.0%	0	189	189	
64.2%	0	189	189	
65.4%	0	189	189	
66.7%	0	189	189	
67.9%	0	189	189	
69.1%	0	189	189	
70.4%	0	189	189	
71.6%	0	180	180	
72.8%	0	115	115	
74.1%	0	110	110	
75.3%	0	104	104	
76.5%	0	82	82	
77.8%	0	65	65	
79.0%	0	53	53	
80.2%	0	44	44	
81.5%	0	33	33	
82.7%	0	16	16	
84.0%	0	15	15	
85.2%	0	8	8	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	3,527	3,527	
1.2%	0	3,362	3,362	
2.5%	0	3,280	3,280	
3.7%	0	3,181	3,181	
4.9%	0	3,078	3,078	
6.2%	0	2,920	2,920	
7.4%	0	2,917	2,917	
8.6%	0	2,878	2,878	
9.9%	0	2,867	2,867	
11.1%	0	2,693	2,693	
12.3%	0	2,416	2,416	
13.6%	0	2,266	2,266	
14.8%	0	2,223	2,223	
16.0%	0	1,355	1,355	
17.3%	0	1,145	1,145	
18.5%	0	781	781	
19.8%	0	632	632	
21.0%	0	549	549	
22.2%	0	476	476	
23.5%	0	440	440	
24.7%	0	265	265	
25.9%	0	265	265	
27.2%	0	262	262	
28.4%	0	230	230	
29.6%	0	227	227	
30.9%	0	217	217	
32.1%	0	211	211	
33.3%	0	210	210	
34.6%	0	197	197	
35.8%	0	188	188	
37.0%	0	187	187	
38.3%	0	182	182	
39.5%	0	176	176	
40.7%	0	171	171	
42.0%	0	170	170	
43.2%	0	162	162	
44.4%	0	156	156	
45.7%	0	142	142	
46.9%	0	133	133	
48.1%	0	95	95	
49.4%	0	76	76	
50.6%	0	43	43	
51.9%	0	31	31	
53.1%	0	8	8	
54.3%	0	1	1	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,685	2,685	
1.2%	0	2,219	2,219	
2.5%	0	1,754	1,754	
3.7%	0	216	216	
4.9%	0	190	190	
6.2%	0	190	190	
7.4%	0	190	190	
8.6%	0	190	190	
9.9%	0	190	190	
11.1%	0	190	190	
12.3%	0	190	190	
13.6%	0	190	190	
14.8%	0	160	160	
16.0%	0	147	147	
17.3%	0	94	94	
18.5%	0	78	78	
19.8%	0	77	77	
21.0%	0	36	36	
22.2%	0	36	36	
23.5%	0	36	36	
24.7%	0	22	22	
25.9%	0	20	20	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-04-b

Funks Reservoir to Sites Reservoir, Monthly Diversion

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,158	2,158	
1.2%	0	1,954	1,954	
2.5%	0	736	736	
3.7%	0	243	243	
4.9%	0	208	208	
6.2%	0	204	204	
7.4%	0	200	200	
8.6%	0	200	200	
9.9%	0	200	200	
11.1%	0	200	200	
12.3%	0	200	200	
13.6%	0	197	197	
14.8%	0	197	197	
16.0%	0	197	197	
17.3%	0	197	197	
18.5%	0	197	197	
19.8%	0	197	197	
21.0%	0	197	197	
22.2%	0	197	197	
23.5%	0	197	197	
24.7%	0	141	141	
25.9%	0	92	92	
27.2%	0	92	92	
28.4%	0	92	92	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	2,979	2,979	
1.2%	0	703	703	
2.5%	0	336	336	
3.7%	0	209	209	
4.9%	0	194	194	
6.2%	0	190	190	
7.4%	0	190	190	
8.6%	0	190	190	
9.9%	0	190	190	
11.1%	0	190	190	
12.3%	0	190	190	
13.6%	0	190	190	
14.8%	0	187	187	
16.0%	0	158	158	
17.3%	0	141	141	
18.5%	0	139	139	
19.8%	0	127	127	
21.0%	0	126	126	
22.2%	0	97	97	
23.5%	0	13	13	
24.7%	0	7	7	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	959	959	
1.2%	0	901	901	
2.5%	0	871	871	
3.7%	0	869	869	
4.9%	0	869	869	
6.2%	0	869	869	
7.4%	0	869	869	
8.6%	0	828	828	
9.9%	0	783	783	
11.1%	0	675	675	
12.3%	0	617	617	
13.6%	0	561	561	
14.8%	0	459	459	
16.0%	0	394	394	
17.3%	0	375	375	
18.5%	0	361	361	
19.8%	0	271	271	
21.0%	0	221	221	
22.2%	0	190	190	
23.5%	0	190	190	
24.7%	0	190	190	
25.9%	0	190	190	
27.2%	0	190	190	
28.4%	0	190	190	
29.6%	0	143	143	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	242	242	
1.2%	0	197	197	
2.5%	0	197	197	
3.7%	0	197	197	
4.9%	0	197	197	
6.2%	0	197	197	
7.4%	0	74	74	
8.6%	0	24	24	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure OP-05-b
Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Probability of Exceedance

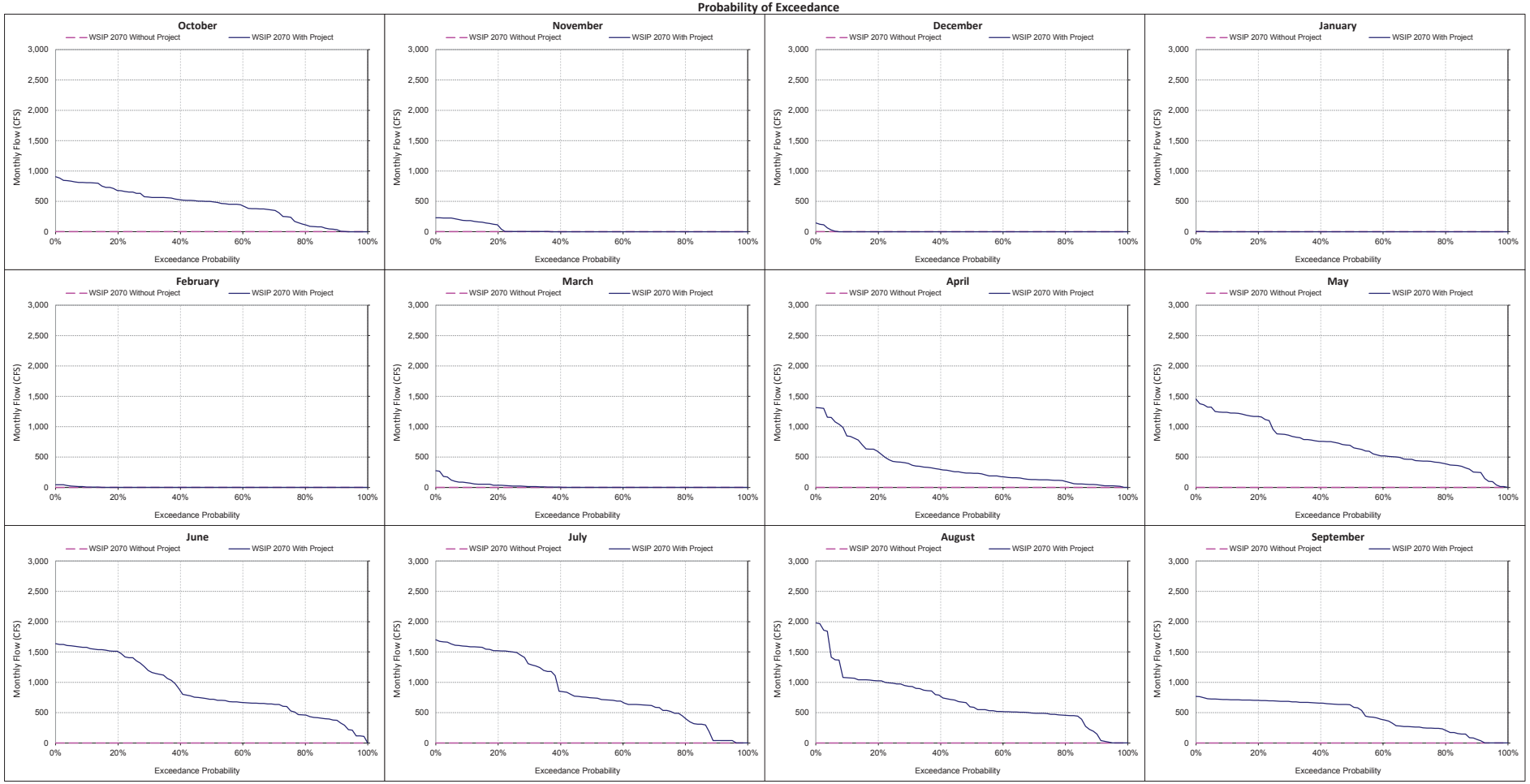


Table OP-05-b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	905	905	
1.2%	0	884	884	
2.5%	0	846	846	
3.7%	0	843	843	
4.9%	0	833	833	
6.2%	0	821	821	
7.4%	0	812	812	
8.6%	0	809	809	
9.9%	0	807	807	
11.1%	0	806	806	
12.3%	0	804	804	
13.6%	0	801	801	
14.8%	0	750	750	
16.0%	0	729	729	
17.3%	0	728	728	
18.5%	0	711	711	
19.8%	0	677	677	
21.0%	0	673	673	
22.2%	0	663	663	
23.5%	0	654	654	
24.7%	0	652	652	
25.9%	0	633	633	
27.2%	0	630	630	
28.4%	0	575	575	
29.6%	0	571	571	
30.9%	0	565	565	
32.1%	0	565	565	
33.3%	0	564	564	
34.6%	0	562	562	
35.8%	0	560	560	
37.0%	0	555	555	
38.3%	0	537	537	
39.5%	0	528	528	
40.7%	0	522	522	
42.0%	0	517	517	
43.2%	0	515	515	
44.4%	0	511	511	
45.7%	0	502	502	
46.9%	0	501	501	
48.1%	0	500	500	
49.4%	0	497	497	
50.6%	0	489	489	
51.9%	0	480	480	
53.1%	0	465	465	
54.3%	0	462	462	
55.6%	0	453	453	
56.8%	0	451	451	
58.0%	0	450	450	
59.3%	0	445	445	
60.5%	0	413	413	
61.7%	0	381	381	
63.0%	0	379	379	
64.2%	0	377	377	
65.4%	0	375	375	
66.7%	0	374	374	
67.9%	0	365	365	
69.1%	0	358	358	
70.4%	0	351	351	
71.6%	0	312	312	
72.8%	0	250	250	
74.1%	0	247	247	
75.3%	0	238	238	
76.5%	0	168	168	
77.8%	0	147	147	
79.0%	0	125	125	
80.2%	0	111	111	
81.5%	0	87	87	
82.7%	0	82	82	
84.0%	0	81	81	
85.2%	0	80	80	
86.4%	0	59	59	
87.7%	0	44	44	
88.9%	0	41	41	
90.1%	0	32	32	
91.4%	0	4	4	
92.6%	0	2	2	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	230	230	
1.2%	0	228	228	
2.5%	0	225	225	
3.7%	0	223	223	
4.9%	0	223	223	
6.2%	0	211	211	
7.4%	0	201	201	
8.6%	0	185	185	
9.9%	0	184	184	
11.1%	0	181	181	
12.3%	0	171	171	
13.6%	0	162	162	
14.8%	0	157	157	
16.0%	0	142	142	
17.3%	0	134	134	
18.5%	0	124	124	
19.8%	0	115	115	
21.0%	0	40	40	
22.2%	0	4	4	
23.5%	0	4	4	
24.7%	0	4	4	
25.9%	0	3	3	
27.2%	0	3	3	
28.4%	0	3	3	
29.6%	0	2	2	
30.9%	0	1	1	
32.1%	0	1	1	
33.3%	0	1	1	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	142	142	
1.2%	0	122	122	
2.5%	0	114	114	
3.7%	0	61	61	
4.9%	0	26	26	
6.2%	0	6	6	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	4	4	
1.2%	0	4	4	
2.5%	0	3	3	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-05-b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	43	43	
1.2%	0	43	43	
2.5%	0	43	43	
3.7%	0	32	32	
4.9%	0	20	20	
6.2%	0	18	18	
7.4%	0	15	15	
8.6%	0	14	14	
9.9%	0	3	3	
11.1%	0	3	3	
12.3%	0	3	3	
13.6%	0	3	3	
14.8%	0	2	2	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	272	272	
1.2%	0	264	264	
2.5%	0	181	181	
3.7%	0	173	173	
4.9%	0	122	122	
6.2%	0	100	100	
7.4%	0	85	85	
8.6%	0	85	85	
9.9%	0	77	77	
11.1%	0	69	69	
12.3%	0	54	54	
13.6%	0	54	54	
14.8%	0	52	52	
16.0%	0	51	51	
17.3%	0	50	50	
18.5%	0	36	36	
19.8%	0	35	35	
21.0%	0	34	34	
22.2%	0	29	29	
23.5%	0	26	26	
24.7%	0	21	21	
25.9%	0	20	20	
27.2%	0	20	20	
28.4%	0	17	17	
29.6%	0	15	15	
30.9%	0	13	13	
32.1%	0	13	13	
33.3%	0	9	9	
34.6%	0	8	8	
35.8%	0	7	7	
37.0%	0	6	6	
38.3%	0	6	6	
39.5%	0	3	3	
40.7%	0	2	2	
42.0%	0	1	1	
43.2%	0	1	1	
44.4%	0	1	1	
45.7%	0	1	1	
46.9%	0	1	1	
48.1%	0	1	1	
49.4%	0	1	1	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,314	1,314	
1.2%	0	1,312	1,312	
2.5%	0	1,301	1,301	
3.7%	0	1,156	1,156	
4.9%	0	1,153	1,153	
6.2%	0	1,078	1,078	
7.4%	0	1,039	1,039	
8.6%	0	990	990	
9.9%	0	849	849	
11.1%	0	841	841	
12.3%	0	808	808	
13.6%	0	778	778	
14.8%	0	702	702	
16.0%	0	632	632	
17.3%	0	630	630	
18.5%	0	628	628	
19.8%	0	597	597	
21.0%	0	544	544	
22.2%	0	491	491	
23.5%	0	455	455	
24.7%	0	428	428	
25.9%	0	419	419	
27.2%	0	417	417	
28.4%	0	406	406	
29.6%	0	393	393	
30.9%	0	363	363	
32.1%	0	351	351	
33.3%	0	346	346	
34.6%	0	335	335	
35.8%	0	332	332	
37.0%	0	321	321	
38.3%	0	308	308	
39.5%	0	301	301	
40.7%	0	289	289	
42.0%	0	283	283	
43.2%	0	271	271	
44.4%	0	259	259	
45.7%	0	257	257	
46.9%	0	245	245	
48.1%	0	234	234	
49.4%	0	234	234	
50.6%	0	232	232	
51.9%	0	230	230	
53.1%	0	222	222	
54.3%	0	205	205	
55.6%	0	190	190	
56.8%	0	190	190	
58.0%	0	187	187	
59.3%	0	176	176	
60.5%	0	170	170	
61.7%	0	165	165	
63.0%	0	161	161	
64.2%	0	157	157	
65.4%	0	156	156	
66.7%	0	143	143	
67.9%	0	134	134	
69.1%	0	129	129	
70.4%	0	128	128	
71.6%	0	125	125	
72.8%	0	123	123	
74.1%	0	123	123	
75.3%	0	118	118	
76.5%	0	118	118	
77.8%	0	118	118	
79.0%	0	111	111	
80.2%	0	93	93	
81.5%	0	77	77	
82.7%	0	59	59	
84.0%	0	54	54	
85.2%	0	54	54	
86.4%	0	50	50	
87.7%	0	47	47	
88.9%	0	46	46	
90.1%	0	43	43	
91.4%	0	35	35	
92.6%	0	26	26	
93.8%	0	26	26	
95.1%	0	24	24	
96.3%	0	21	21	
97.5%	0	19	19	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,453	1,453	
1.2%	0	1,377	1,377	
2.5%	0	1,362	1,362	
3.7%	0	1,324	1,324	
4.9%	0	1,322	1,322	
6.2%	0	1,249	1,249	
7.4%	0	1,241	1,241	
8.6%	0	1,239	1,239	
9.9%	0	1,237	1,237	
11.1%	0	1,226	1,226	
12.3%	0	1,225	1,225	
13.6%	0	1,220	1,220	
14.8%	0	1,209	1,209	
16.0%	0	1,191	1,191	
17.3%	0	1,178	1,178	
18.5%	0	1,169	1,169	
19.8%	0	1,166	1,166	
21.0%	0	1,160	1,160	
22.2%	0	1,116	1,116	
23.5%	0	1,100	1,100	
24.7%	0	952	952	
25.9%	0	881	881	
27.2%	0	880	880	
28.4%	0	874	874	
29.6%	0	859	859	
30.9%	0	839	839	
32.1%	0	826	826	
33.3%	0	817	817	
34.6%	0	788	788	
35.8%	0	786	786	
37.0%	0	779	779	
38.3%	0	766	766	
39.5%	0	759	759	
40.7%	0	757	757	
42.0%	0	753	753	
43.2%	0	753	753	
44.4%	0	740	740	
45.7%	0	727	727	
46.9%	0	706	706	
48.1%	0	699	699	
49.4%	0	694	694	
50.6%	0	652	652	
51.9%	0	640	640	
53.1%	0	625	625	
54.3%	0	601	601	
55.6%	0	597	597	
56.8%	0	554	554	
58.0%	0	537	537	
59.3%	0	519	519	
60.5%	0	519	519	
61.7%	0	509	509	
63.0%	0	504	504	
64.2%	0	501	501	
65.4%	0	494	494	
66.7%	0	466	466	
67.9%	0	464	464	
69.1%	0	461	461	
70.4%	0	440	440	
71.6%	0	437	437	
72.8%	0	434	434	
74.1%	0	433	433	
75.3%	0	428	428	
76.5%	0	416	416	
77.8%	0	410	410	
79.0%	0	397	397	
80.2%	0	384	384	
81.5%	0	370	370	
82.7%	0	366	366	
84.0%	0	361	361	
85.2%	0	346	346	
86.4%	0	321	321	
87.7%	0	300	300	
88.9%	0	253	253	
90.1%	0	248	248	
91.4%	0	243	243	
92.6%	0	146	146	
93.8%	0	101	101	
95.1%	0	96	96	
96.3%	0	39	39	
97.5%	0	14	14	
98.8%	0	11	11	
100.0%	0	0	0	

Table OP-05-b

Funks Reservoir to Tehama Colusa and Glenn Colusa Canals, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,635	1,635	
1.2%	0	1,624	1,624	
2.5%	0	1,623	1,623	
3.7%	0	1,607	1,607	
4.9%	0	1,605	1,605	
6.2%	0	1,595	1,595	
7.4%	0	1,586	1,586	
8.6%	0	1,579	1,579	
9.9%	0	1,576	1,576	
11.1%	0	1,554	1,554	
12.3%	0	1,545	1,545	
13.6%	0	1,540	1,540	
14.8%	0	1,537	1,537	
16.0%	0	1,528	1,528	
17.3%	0	1,515	1,515	
18.5%	0	1,513	1,513	
19.8%	0	1,512	1,512	
21.0%	0	1,472	1,472	
22.2%	0	1,417	1,417	
23.5%	0	1,405	1,405	
24.7%	0	1,404	1,404	
25.9%	0	1,353	1,353	
27.2%	0	1,318	1,318	
28.4%	0	1,262	1,262	
29.6%	0	1,197	1,197	
30.9%	0	1,160	1,160	
32.1%	0	1,144	1,144	
33.3%	0	1,133	1,133	
34.6%	0	1,120	1,120	
35.8%	0	1,064	1,064	
37.0%	0	1,033	1,033	
38.3%	0	980	980	
39.5%	0	890	890	
40.7%	0	803	803	
42.0%	0	789	789	
43.2%	0	778	778	
44.4%	0	756	756	
45.7%	0	753	753	
46.9%	0	741	741	
48.1%	0	732	732	
49.4%	0	722	722	
50.6%	0	721	721	
51.9%	0	705	705	
53.1%	0	702	702	
54.3%	0	698	698	
55.6%	0	681	681	
56.8%	0	680	680	
58.0%	0	679	679	
59.3%	0	669	669	
60.5%	0	663	663	
61.7%	0	659	659	
63.0%	0	656	656	
64.2%	0	656	656	
65.4%	0	654	654	
66.7%	0	652	652	
67.9%	0	645	645	
69.1%	0	642	642	
70.4%	0	636	636	
71.6%	0	635	635	
72.8%	0	607	607	
74.1%	0	603	603	
75.3%	0	527	527	
76.5%	0	512	512	
77.8%	0	470	470	
79.0%	0	462	462	
80.2%	0	459	459	
81.5%	0	434	434	
82.7%	0	422	422	
84.0%	0	415	415	
85.2%	0	408	408	
86.4%	0	398	398	
87.7%	0	395	395	
88.9%	0	378	378	
90.1%	0	372	372	
91.4%	0	327	327	
92.6%	0	292	292	
93.8%	0	219	219	
95.1%	0	211	211	
96.3%	0	117	117	
97.5%	0	115	115	
98.8%	0	107	107	
100.0%	0	0	0	

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,702	1,702	
1.2%	0	1,676	1,676	
2.5%	0	1,667	1,667	
3.7%	0	1,664	1,664	
4.9%	0	1,631	1,631	
6.2%	0	1,610	1,610	
7.4%	0	1,606	1,606	
8.6%	0	1,597	1,597	
9.9%	0	1,593	1,593	
11.1%	0	1,587	1,587	
12.3%	0	1,587	1,587	
13.6%	0	1,583	1,583	
14.8%	0	1,579	1,579	
16.0%	0	1,549	1,549	
17.3%	0	1,545	1,545	
18.5%	0	1,522	1,522	
19.8%	0	1,521	1,521	
21.0%	0	1,518	1,518	
22.2%	0	1,515	1,515	
23.5%	0	1,509	1,509	
24.7%	0	1,501	1,501	
25.9%	0	1,491	1,491	
27.2%	0	1,450	1,450	
28.4%	0	1,409	1,409	
29.6%	0	1,309	1,309	
30.9%	0	1,284	1,284	
32.1%	0	1,269	1,269	
33.3%	0	1,245	1,245	
34.6%	0	1,196	1,196	
35.8%	0	1,180	1,180	
37.0%	0	1,179	1,179	
38.3%	0	1,109	1,109	
39.5%	0	855	855	
40.7%	0	846	846	
42.0%	0	838	838	
43.2%	0	803	803	
44.4%	0	773	773	
45.7%	0	768	768	
46.9%	0	758	758	
48.1%	0	756	756	
49.4%	0	745	745	
50.6%	0	741	741	
51.9%	0	736	736	
53.1%	0	717	717	
54.3%	0	713	713	
55.6%	0	707	707	
56.8%	0	703	703	
58.0%	0	692	692	
59.3%	0	689	689	
60.5%	0	657	657	
61.7%	0	637	637	
63.0%	0	637	637	
64.2%	0	635	635	
65.4%	0	630	630	
66.7%	0	628	628	
67.9%	0	622	622	
69.1%	0	620	620	
70.4%	0	588	588	
71.6%	0	583	583	
72.8%	0	538	538	
74.1%	0	536	536	
75.3%	0	520	520	
76.5%	0	491	491	
77.8%	0	489	489	
79.0%	0	447	447	
80.2%	0	397	397	
81.5%	0	349	349	
82.7%	0	317	317	
84.0%	0	312	312	
85.2%	0	309	309	
86.4%	0	296	296	
87.7%	0	184	184	
88.9%	0	41	41	
90.1%	0	41	41	
91.4%	0	41	41	
92.6%	0	41	41	
93.8%	0	41	41	
95.1%	0	39	39	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,980	1,980	
1.2%	0	1,969	1,969	
2.5%	0	1,860	1,860	
3.7%	0	1,842	1,842	
4.9%	0	1,414	1,414	
6.2%	0	1,370	1,370	
7.4%	0	1,365	1,365	
8.6%	0	1,079	1,079	
9.9%	0	1,076	1,076	
11.1%	0	1,072	1,072	
12.3%	0	1,069	1,069	
13.6%	0	1,044	1,044	
14.8%	0	1,042	1,042	
16.0%	0	1,042	1,042	
17.3%	0	1,039	1,039	
18.5%	0	1,031	1,031	
19.8%	0	1,027	1,027	
21.0%	0	1,023	1,023	
22.2%	0	998	998	
23.5%	0	992	992	
24.7%	0	987	987	
25.9%	0	975	975	
27.2%	0	973	973	
28.4%	0	949	949	
29.6%	0	936	936	
30.9%	0	931	931	
32.1%	0	899	899	
33.3%	0	898	898	
34.6%	0	872	872	
35.8%	0	861	861	
37.0%	0	858	858	
38.3%	0	800	800	
39.5%	0	789	789	
40.7%	0	741	741	
42.0%	0	728	728	
43.2%	0	717	717	
44.4%	0	709	709	
45.7%	0	681	681	
46.9%	0	674	674	
48.1%	0	665	665	
49.4%	0	598	598	
50.6%	0	586	586	
51.9%	0	551	551	
53.1%	0	550	550	
54.3%	0	549	549	
55.6%	0	532	532	
56.8%	0	532	532	
58.0%	0	521	521	
59.3%	0	518	518	
60.5%	0	516	516	
61.7%	0	514	514	
63.0%	0	512	512	
64.2%	0	510	510	
65.4%	0	508	508	
66.7%	0	505	505	
67.9%	0	504	504	
69.1%	0	492	492	
70.4%	0	491	491	
71.6%	0	489	489	
72.8%	0	489	489	
74.1%	0	486	486	
75.3%	0	475	475	
76.5%	0	471	471	
77.8%	0	464	464	
79.0%	0	460	460	
80.2%	0	454	454	
81.5%	0	452	452	
82.7%	0	451	451	
84.0%	0	442	442	
85.2%	0	390	390	
86.4%	0	278	278	
87.7%	0	224	224	
88.9%	0	195	195	
90.1%	0	149	149	
91.4%	0	41	41	
92.6%	0	29	29	
93.8%	0	16	16	
95.1%	0	1	1	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	769	769	
1.2%	0	766	766	
2.5%	0	748	748	
3.7%	0	730	730	
4.9%	0	727	727	
6.2%	0	725	725	
7.4%	0	721	721	
8.6%	0	718	718	
9.9%	0	715	715	
11.1%	0	713	713	
12.3%	0	713	713	
13.6%	0	712	712	
14.8%	0	709	709	
16.0%	0	707	707	
17.3%	0	707	707	
18.5%	0	704	704	
19.8%	0	702	702	
21.0%	0	699	699	
22.2%	0	699	699	
23.5%	0	695	695	
24.7%	0	694	694	
25.9%	0	692	692	
27.2%	0	688	688	
28.4%	0	688	688	
29.6%	0	685	685	
30.9%	0	679	679	
32.1%	0	677	677	
33.3%	0	669	669	
34.6%	0	669	669	
35.8%	0	669	669	
37.0%	0	666	666	
38.3%	0	663	663	
39.5%	0	659	659	
40.7%	0	655	655	
42.0%	0	648	648	
43.2%	0	642	642	
44.4%	0	640	640	
45.7%	0	637	637	
46.9%	0	636	636	
48.1%	0	635	635	
49.4%	0	630	630	
50.6%	0	586	586	
51.9%	0	580	580	
53.1%	0	536	536	
54.3%	0	442	442	
55.6%	0	430	430	
56.8%	0	427	427	
58.0%	0	412	412	
59.3%	0	393	393	
60.5%	0	380	380	
61.7%	0	361	361	
63.0%	0	327	327	
64.2%	0	286	286	
65.4%	0	279	279	
66.7%	0	273	273	
67.9%	0	270	270	
69.1%	0	266	266	
70.4%	0	263	263	
71.6%	0	263	263	
72.8%	0	250	250	
74.1%	0	247	247	
75.3%	0	246	246	
76.5%	0	243	243	
77.8%	0	242	242	
79.0%	0	231	231	
80.2%	0	205	205	
81.5%	0	174	174	
82.7%	0	173	173	
84.0%	0	157	157	
85.2%	0	149	149	
86.4%	0	147	147	
87.7%	0	85	85	
88.9%	0	82	82	
90.1%	0	59	59	
91.4%	0	34	34	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure OP-06-b
Funks Reservoir to Deleven Pipeline, Monthly Flow
Probability of Exceedance

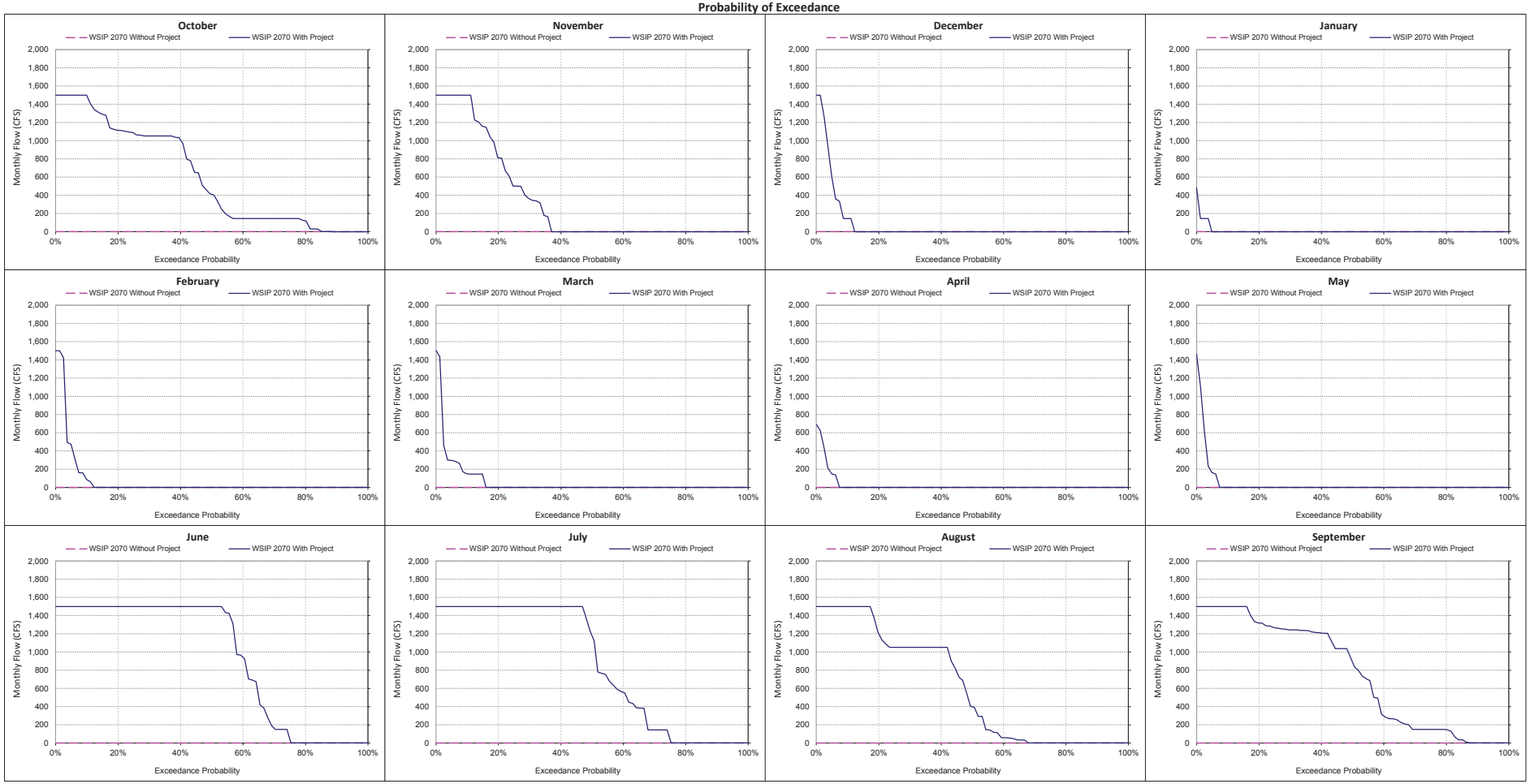


Table OP-06-b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,408	1,408	
12.3%	0	1,341	1,341	
13.6%	0	1,315	1,315	
14.8%	0	1,292	1,292	
16.0%	0	1,279	1,279	
17.3%	0	1,139	1,139	
18.5%	0	1,125	1,125	
19.8%	0	1,116	1,116	
21.0%	0	1,111	1,111	
22.2%	0	1,103	1,103	
23.5%	0	1,095	1,095	
24.7%	0	1,090	1,090	
25.9%	0	1,063	1,063	
27.2%	0	1,060	1,060	
28.4%	0	1,052	1,052	
29.6%	0	1,051	1,051	
30.9%	0	1,051	1,051	
32.1%	0	1,051	1,051	
33.3%	0	1,051	1,051	
34.6%	0	1,051	1,051	
35.8%	0	1,051	1,051	
37.0%	0	1,051	1,051	
38.3%	0	1,038	1,038	
39.5%	0	1,030	1,030	
40.7%	0	972	972	
42.0%	0	799	799	
43.2%	0	778	778	
44.4%	0	653	653	
45.7%	0	646	646	
46.9%	0	510	510	
48.1%	0	464	464	
49.4%	0	418	418	
50.6%	0	403	403	
51.9%	0	333	333	
53.1%	0	246	246	
54.3%	0	199	199	
55.6%	0	170	170	
56.8%	0	145	145	
58.0%	0	145	145	
59.3%	0	145	145	
60.5%	0	145	145	
61.7%	0	145	145	
63.0%	0	145	145	
64.2%	0	145	145	
65.4%	0	145	145	
66.7%	0	145	145	
67.9%	0	145	145	
69.1%	0	145	145	
70.4%	0	145	145	
71.6%	0	145	145	
72.8%	0	145	145	
74.1%	0	145	145	
75.3%	0	145	145	
76.5%	0	145	145	
77.8%	0	145	145	
79.0%	0	127	127	
80.2%	0	115	115	
81.5%	0	31	31	
82.7%	0	30	30	
84.0%	0	27	27	
85.2%	0	1	1	
86.4%	0	1	1	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,225	1,225	
13.6%	0	1,205	1,205	
14.8%	0	1,157	1,157	
16.0%	0	1,148	1,148	
17.3%	0	1,042	1,042	
18.5%	0	982	982	
19.8%	0	812	812	
21.0%	0	806	806	
22.2%	0	669	669	
23.5%	0	609	609	
24.7%	0	501	501	
25.9%	0	500	500	
27.2%	0	497	497	
28.4%	0	403	403	
29.6%	0	366	366	
30.9%	0	343	343	
32.1%	0	338	338	
33.3%	0	316	316	
34.6%	0	177	177	
35.8%	0	164	164	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,259	1,259	
3.7%	0	945	945	
4.9%	0	610	610	
6.2%	0	362	362	
7.4%	0	333	333	
8.6%	0	145	145	
9.9%	0	145	145	
11.1%	0	145	145	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	484	484	
1.2%	0	145	145	
2.5%	0	145	145	
3.7%	0	145	145	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,425	1,425	
3.7%	0	493	493	
4.9%	0	474	474	
6.2%	0	311	311	
7.4%	0	161	161	
8.6%	0	161	161	
9.9%	0	87	87	
11.1%	0	63	63	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,434	1,434	
2.5%	0	463	463	
3.7%	0	300	300	
4.9%	0	296	296	
6.2%	0	286	286	
7.4%	0	265	265	
8.6%	0	170	170	
9.9%	0	150	150	
11.1%	0	146	146	
12.3%	0	145	145	
13.6%	0	145	145	
14.8%	0	145	145	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	690	690	
1.2%	0	624	624	
2.5%	0	432	432	
3.7%	0	215	215	
4.9%	0	150	150	
6.2%	0	138	138	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,466	1,466	
1.2%	0	1,112	1,112	
2.5%	0	622	622	
3.7%	0	231	231	
4.9%	0	163	163	
6.2%	0	145	145	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-06-b

Funks Reservoir to Deleven Pipeline, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,500	1,500	
45.7%	0	1,500	1,500	
46.9%	0	1,500	1,500	
48.1%	0	1,500	1,500	
49.4%	0	1,500	1,500	
50.6%	0	1,500	1,500	
51.9%	0	1,500	1,500	
53.1%	0	1,500	1,500	
54.3%	0	1,434	1,434	
55.6%	0	1,426	1,426	
56.8%	0	1,311	1,311	
58.0%	0	970	970	
59.3%	0	965	965	
60.5%	0	922	922	
61.7%	0	703	703	
63.0%	0	692	692	
64.2%	0	675	675	
65.4%	0	422	422	
66.7%	0	384	384	
67.9%	0	279	279	
69.1%	0	189	189	
70.4%	0	150	150	
71.6%	0	150	150	
72.8%	0	150	150	
74.1%	0	150	150	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,500	1,500	
19.8%	0	1,500	1,500	
21.0%	0	1,500	1,500	
22.2%	0	1,500	1,500	
23.5%	0	1,500	1,500	
24.7%	0	1,500	1,500	
25.9%	0	1,500	1,500	
27.2%	0	1,500	1,500	
28.4%	0	1,500	1,500	
29.6%	0	1,500	1,500	
30.9%	0	1,500	1,500	
32.1%	0	1,500	1,500	
33.3%	0	1,500	1,500	
34.6%	0	1,500	1,500	
35.8%	0	1,500	1,500	
37.0%	0	1,500	1,500	
38.3%	0	1,500	1,500	
39.5%	0	1,500	1,500	
40.7%	0	1,500	1,500	
42.0%	0	1,500	1,500	
43.2%	0	1,500	1,500	
44.4%	0	1,500	1,500	
45.7%	0	1,500	1,500	
46.9%	0	1,500	1,500	
48.1%	0	1,365	1,365	
49.4%	0	1,225	1,225	
50.6%	0	1,123	1,123	
51.9%	0	779	779	
53.1%	0	765	765	
54.3%	0	751	751	
55.6%	0	678	678	
56.8%	0	636	636	
58.0%	0	588	588	
59.3%	0	566	566	
60.5%	0	550	550	
61.7%	0	449	449	
63.0%	0	435	435	
64.2%	0	385	385	
65.4%	0	385	385	
66.7%	0	381	381	
67.9%	0	145	145	
69.1%	0	145	145	
70.4%	0	145	145	
71.6%	0	145	145	
72.8%	0	145	145	
74.1%	0	144	144	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,500	1,500	
18.5%	0	1,376	1,376	
19.8%	0	1,217	1,217	
21.0%	0	1,135	1,135	
22.2%	0	1,088	1,088	
23.5%	0	1,051	1,051	
24.7%	0	1,051	1,051	
25.9%	0	1,051	1,051	
27.2%	0	1,051	1,051	
28.4%	0	1,051	1,051	
29.6%	0	1,051	1,051	
30.9%	0	1,051	1,051	
32.1%	0	1,051	1,051	
33.3%	0	1,051	1,051	
34.6%	0	1,051	1,051	
35.8%	0	1,051	1,051	
37.0%	0	1,051	1,051	
38.3%	0	1,051	1,051	
39.5%	0	1,051	1,051	
40.7%	0	1,051	1,051	
42.0%	0	1,051	1,051	
43.2%	0	900	900	
44.4%	0	824	824	
45.7%	0	724	724	
46.9%	0	688	688	
48.1%	0	551	551	
49.4%	0	404	404	
50.6%	0	392	392	
51.9%	0	293	293	
53.1%	0	291	291	
54.3%	0	146	146	
55.6%	0	145	145	
56.8%	0	119	119	
58.0%	0	113	113	
59.3%	0	59	59	
60.5%	0	59	59	
61.7%	0	56	56	
63.0%	0	50	50	
64.2%	0	35	35	
65.4%	0	33	33	
66.7%	0	32	32	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,500	1,500	
3.7%	0	1,500	1,500	
4.9%	0	1,500	1,500	
6.2%	0	1,500	1,500	
7.4%	0	1,500	1,500	
8.6%	0	1,500	1,500	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,500	1,500	
13.6%	0	1,500	1,500	
14.8%	0	1,500	1,500	
16.0%	0	1,500	1,500	
17.3%	0	1,398	1,398	
18.5%	0	1,332	1,332	
19.8%	0	1,318	1,318	
21.0%	0	1,318	1,318	
22.2%	0	1,288	1,288	
23.5%	0	1,284	1,284	
24.7%	0	1,269	1,269	
25.9%	0	1,263	1,263	
27.2%	0	1,255	1,255	
28.4%	0	1,251	1,251	
29.6%	0	1,244	1,244	
30.9%	0	1,243	1,243	
32.1%	0	1,243	1,243	
33.3%	0	1,238	1,238	
34.6%	0	1,237	1,237	
35.8%	0	1,234	1,234	
37.0%	0	1,219	1,219	
38.3%	0	1,213	1,213	
39.5%	0	1,212	1,212	
40.7%	0	1,207	1,207	
42.0%	0	1,204	1,204	
43.2%	0	1,120	1,120	
44.4%	0	1,036	1,036	
45.7%	0	1,036	1,036	
46.9%	0	1,036	1,036	
48.1%	0	1,036	1,036	
49.4%	0	936	936	
50.6%	0	834	834	
51.9%	0	796	796	
53.1%	0	736	736	
54.3%	0	707	707	
55.6%	0	687	687	
56.8%	0	500	500	
58.0%	0	493	493	
59.3%	0	315	315	
60.5%	0	283	283	
61.7%	0	266	266	
63.0%	0	266	266	
64.2%	0	254	254	
65.4%	0	227	227	
66.7%	0	208	208	
67.9%	0	200	200	
69.1%	0	150	150	
70.4%	0	150	150	
71.6%	0	150	150	
72.8%	0	150	150	
74.1%	0	150	150	
75.3%	0	150	150	
76.5%	0	150	150	
77.8%	0	150	150	
79.0%	0	150	150	
80.2%	0	146	146	
81.5%	0	130	130	
82.7%	0	66	66	
84.0%	0	36	36	
85.2%	0	36	36	
86.4%	0	9	9	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure OP-07-b
Sites Reservoir to Funks Reservoir, Monthly Flow
Probability of Exceedance

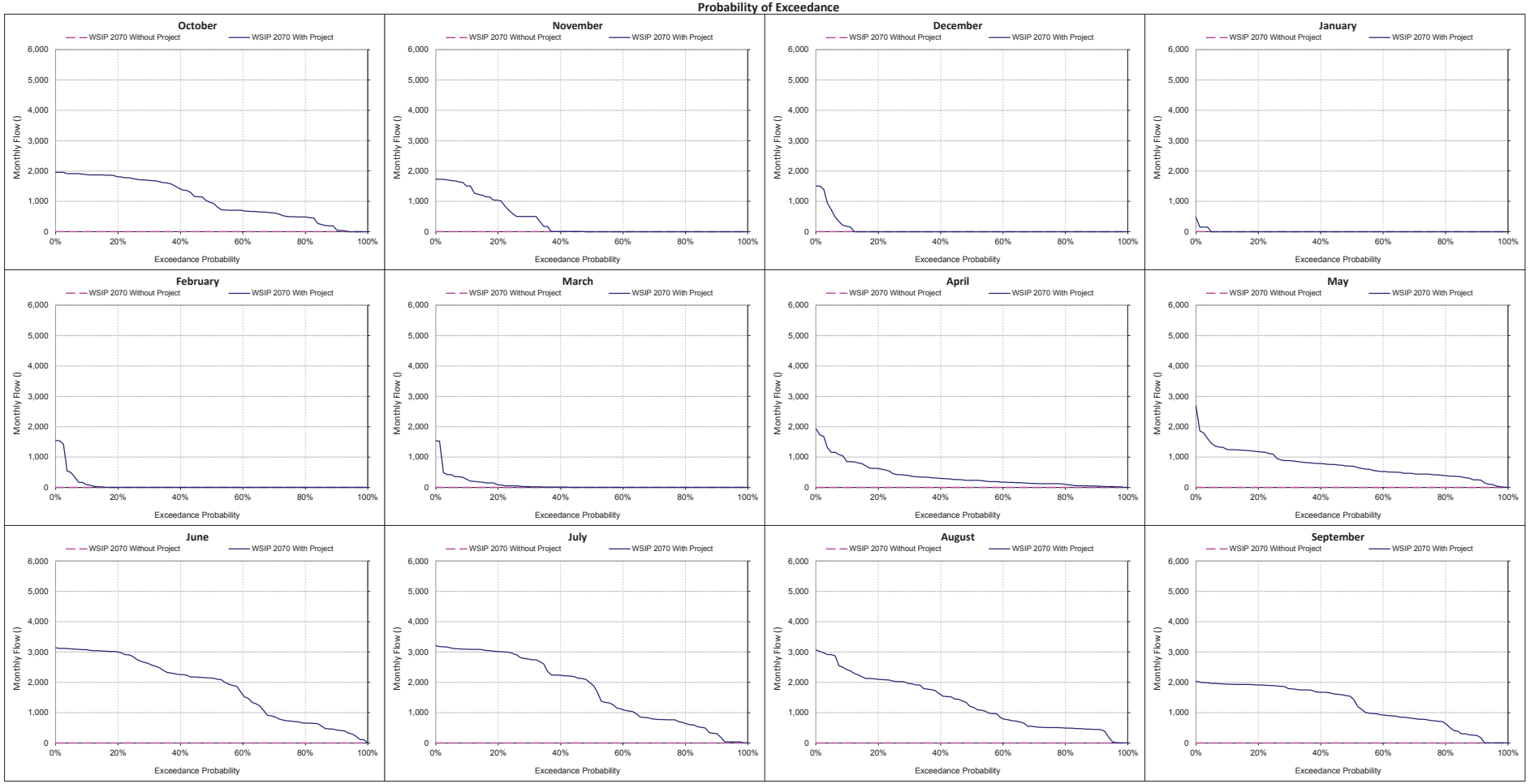


Table OP-07-b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow ()	WSIP 2070 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	1,959	1,959	
1.2%	0	1,957	1,957	
2.5%	0	1,957	1,957	
3.7%	0	1,913	1,913	
4.9%	0	1,910	1,910	
6.2%	0	1,910	1,910	
7.4%	0	1,910	1,910	
8.6%	0	1,898	1,898	
9.9%	0	1,879	1,879	
11.1%	0	1,875	1,875	
12.3%	0	1,874	1,874	
13.6%	0	1,872	1,872	
14.8%	0	1,870	1,870	
16.0%	0	1,861	1,861	
17.3%	0	1,860	1,860	
18.5%	0	1,851	1,851	
19.8%	0	1,812	1,812	
21.0%	0	1,801	1,801	
22.2%	0	1,780	1,780	
23.5%	0	1,773	1,773	
24.7%	0	1,747	1,747	
25.9%	0	1,724	1,724	
27.2%	0	1,707	1,707	
28.4%	0	1,706	1,706	
29.6%	0	1,694	1,694	
30.9%	0	1,682	1,682	
32.1%	0	1,672	1,672	
33.3%	0	1,647	1,647	
34.6%	0	1,613	1,613	
35.8%	0	1,605	1,605	
37.0%	0	1,568	1,568	
38.3%	0	1,504	1,504	
39.5%	0	1,423	1,423	
40.7%	0	1,376	1,376	
42.0%	0	1,357	1,357	
43.2%	0	1,294	1,294	
44.4%	0	1,162	1,162	
45.7%	0	1,156	1,156	
46.9%	0	1,145	1,145	
48.1%	0	1,035	1,035	
49.4%	0	975	975	
50.6%	0	928	928	
51.9%	0	808	808	
53.1%	0	720	720	
54.3%	0	716	716	
55.6%	0	710	710	
56.8%	0	710	710	
58.0%	0	709	709	
59.3%	0	706	706	
60.5%	0	682	682	
61.7%	0	673	673	
63.0%	0	667	667	
64.2%	0	661	661	
65.4%	0	646	646	
66.7%	0	645	645	
67.9%	0	642	642	
69.1%	0	625	625	
70.4%	0	615	615	
71.6%	0	579	579	
72.8%	0	529	529	
74.1%	0	504	504	
75.3%	0	495	495	
76.5%	0	490	490	
77.8%	0	484	484	
79.0%	0	484	484	
80.2%	0	484	484	
81.5%	0	462	462	
82.7%	0	450	450	
84.0%	0	270	270	
85.2%	0	232	232	
86.4%	0	204	204	
87.7%	0	195	195	
88.9%	0	195	195	
90.1%	0	44	44	
91.4%	0	41	41	
92.6%	0	32	32	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow ()	WSIP 2070 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	1,730	1,730	
1.2%	0	1,723	1,723	
2.5%	0	1,723	1,723	
3.7%	0	1,711	1,711	
4.9%	0	1,681	1,681	
6.2%	0	1,671	1,671	
7.4%	0	1,642	1,642	
8.6%	0	1,624	1,624	
9.9%	0	1,500	1,500	
11.1%	0	1,500	1,500	
12.3%	0	1,271	1,271	
13.6%	0	1,225	1,225	
14.8%	0	1,205	1,205	
16.0%	0	1,150	1,150	
17.3%	0	1,145	1,145	
18.5%	0	1,042	1,042	
19.8%	0	1,037	1,037	
21.0%	0	1,007	1,007	
22.2%	0	837	837	
23.5%	0	709	709	
24.7%	0	588	588	
25.9%	0	501	501	
27.2%	0	500	500	
28.4%	0	500	500	
29.6%	0	500	500	
30.9%	0	500	500	
32.1%	0	500	500	
33.3%	0	338	338	
34.6%	0	177	177	
35.8%	0	166	166	
37.0%	0	4	4	
38.3%	0	4	4	
39.5%	0	4	4	
40.7%	0	2	2	
42.0%	0	1	1	
43.2%	0	1	1	
44.4%	0	1	1	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow ()	WSIP 2070 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	1,500	1,500	
1.2%	0	1,500	1,500	
2.5%	0	1,402	1,402	
3.7%	0	945	945	
4.9%	0	724	724	
6.2%	0	484	484	
7.4%	0	333	333	
8.6%	0	206	206	
9.9%	0	172	172	
11.1%	0	151	151	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow ()	WSIP 2070 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	484	484	
1.2%	0	149	149	
2.5%	0	149	149	
3.7%	0	149	149	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-07-b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow ()	WSIP 2070 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	1,543	1,543	
1.2%	0	1,543	1,543	
2.5%	0	1,425	1,425	
3.7%	0	536	536	
4.9%	0	492	492	
6.2%	0	325	325	
7.4%	0	164	164	
8.6%	0	164	164	
9.9%	0	90	90	
11.1%	0	66	66	
12.3%	0	32	32	
13.6%	0	20	20	
14.8%	0	15	15	
16.0%	0	2	2	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow ()	WSIP 2070 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	1,534	1,534	
1.2%	0	1,520	1,520	
2.5%	0	484	484	
3.7%	0	418	418	
4.9%	0	417	417	
6.2%	0	354	354	
7.4%	0	350	350	
8.6%	0	333	333	
9.9%	0	264	264	
11.1%	0	206	206	
12.3%	0	201	201	
13.6%	0	181	181	
14.8%	0	173	173	
16.0%	0	146	146	
17.3%	0	146	146	
18.5%	0	146	146	
19.8%	0	85	85	
21.0%	0	77	77	
22.2%	0	54	54	
23.5%	0	54	54	
24.7%	0	52	52	
25.9%	0	50	50	
27.2%	0	35	35	
28.4%	0	29	29	
29.6%	0	26	26	
30.9%	0	21	21	
32.1%	0	17	17	
33.3%	0	15	15	
34.6%	0	13	13	
35.8%	0	13	13	
37.0%	0	9	9	
38.3%	0	8	8	
39.5%	0	7	7	
40.7%	0	6	6	
42.0%	0	6	6	
43.2%	0	3	3	
44.4%	0	2	2	
45.7%	0	1	1	
46.9%	0	1	1	
48.1%	0	1	1	
49.4%	0	1	1	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow ()	WSIP 2070 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	1,936	1,936	
1.2%	0	1,733	1,733	
2.5%	0	1,680	1,680	
3.7%	0	1,314	1,314	
4.9%	0	1,156	1,156	
6.2%	0	1,153	1,153	
7.4%	0	1,078	1,078	
8.6%	0	1,039	1,039	
9.9%	0	849	849	
11.1%	0	847	847	
12.3%	0	841	841	
13.6%	0	808	808	
14.8%	0	778	778	
16.0%	0	702	702	
17.3%	0	630	630	
18.5%	0	628	628	
19.8%	0	628	628	
21.0%	0	597	597	
22.2%	0	578	578	
23.5%	0	544	544	
24.7%	0	455	455	
25.9%	0	419	419	
27.2%	0	417	417	
28.4%	0	406	406	
29.6%	0	393	393	
30.9%	0	363	363	
32.1%	0	351	351	
33.3%	0	346	346	
34.6%	0	335	335	
35.8%	0	332	332	
37.0%	0	321	321	
38.3%	0	308	308	
39.5%	0	301	301	
40.7%	0	289	289	
42.0%	0	283	283	
43.2%	0	271	271	
44.4%	0	259	259	
45.7%	0	257	257	
46.9%	0	245	245	
48.1%	0	234	234	
49.4%	0	234	234	
50.6%	0	232	232	
51.9%	0	230	230	
53.1%	0	222	222	
54.3%	0	205	205	
55.6%	0	190	190	
56.8%	0	190	190	
58.0%	0	187	187	
59.3%	0	176	176	
60.5%	0	170	170	
61.7%	0	165	165	
63.0%	0	161	161	
64.2%	0	157	157	
65.4%	0	156	156	
66.7%	0	143	143	
67.9%	0	134	134	
69.1%	0	129	129	
70.4%	0	128	128	
71.6%	0	125	125	
72.8%	0	123	123	
74.1%	0	123	123	
75.3%	0	118	118	
76.5%	0	118	118	
77.8%	0	118	118	
79.0%	0	111	111	
80.2%	0	93	93	
81.5%	0	77	77	
82.7%	0	59	59	
84.0%	0	54	54	
85.2%	0	54	54	
86.4%	0	50	50	
87.7%	0	47	47	
88.9%	0	46	46	
90.1%	0	43	43	
91.4%	0	35	35	
92.6%	0	26	26	
93.8%	0	26	26	
95.1%	0	24	24	
96.3%	0	21	21	
97.5%	0	19	19	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow ()	WSIP 2070 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	2,691	2,691	
1.2%	0	1,865	1,865	
2.5%	0	1,791	1,791	
3.7%	0	1,608	1,608	
4.9%	0	1,453	1,453	
6.2%	0	1,362	1,362	
7.4%	0	1,324	1,324	
8.6%	0	1,322	1,322	
9.9%	0	1,249	1,249	
11.1%	0	1,241	1,241	
12.3%	0	1,239	1,239	
13.6%	0	1,237	1,237	
14.8%	0	1,225	1,225	
16.0%	0	1,220	1,220	
17.3%	0	1,209	1,209	
18.5%	0	1,191	1,191	
19.8%	0	1,178	1,178	
21.0%	0	1,166	1,166	
22.2%	0	1,160	1,160	
23.5%	0	1,116	1,116	
24.7%	0	1,100	1,100	
25.9%	0	952	952	
27.2%	0	904	904	
28.4%	0	881	881	
29.6%	0	880	880	
30.9%	0	874	874	
32.1%	0	859	859	
33.3%	0	839	839	
34.6%	0	826	826	
35.8%	0	817	817	
37.0%	0	803	803	
38.3%	0	788	788	
39.5%	0	786	786	
40.7%	0	779	779	
42.0%	0	766	766	
43.2%	0	757	757	
44.4%	0	753	753	
45.7%	0	740	740	
46.9%	0	727	727	
48.1%	0	706	706	
49.4%	0	699	699	
50.6%	0	694	694	
51.9%	0	652	652	
53.1%	0	625	625	
54.3%	0	601	601	
55.6%	0	597	597	
56.8%	0	554	554	
58.0%	0	537	537	
59.3%	0	519	519	
60.5%	0	519	519	
61.7%	0	509	509	
63.0%	0	504	504	
64.2%	0	501	501	
65.4%	0	494	494	
66.7%	0	466	466	
67.9%	0	464	464	
69.1%	0	461	461	
70.4%	0	440	440	
71.6%	0	437	437	
72.8%	0	434	434	
74.1%	0	433	433	
75.3%	0	428	428	
76.5%	0	416	416	
77.8%	0	410	410	
79.0%	0	397	397	
80.2%	0	384	384	
81.5%	0	370	370	
82.7%	0	366	366	
84.0%	0	361	361	
85.2%	0	346	346	
86.4%	0	321	321	
87.7%	0	300	300	
88.9%	0	253	253	
90.1%	0	248	248	
91.4%	0	243	243	
92.6%	0	146	146	
93.8%	0	101	101	
95.1%	0	96	96	
96.3%	0	39	39	
97.5%	0	14	14	
98.8%	0	11	11	
100.0%	0	0	0	

Table OP-07-b

Sites Reservoir to Funks Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow ()	WSIP 2070 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	3,135	3,135	
1.2%	0	3,124	3,124	
2.5%	0	3,123	3,123	
3.7%	0	3,107	3,107	
4.9%	0	3,105	3,105	
6.2%	0	3,095	3,095	
7.4%	0	3,086	3,086	
8.6%	0	3,079	3,079	
9.9%	0	3,076	3,076	
11.1%	0	3,054	3,054	
12.3%	0	3,045	3,045	
13.6%	0	3,040	3,040	
14.8%	0	3,037	3,037	
16.0%	0	3,028	3,028	
17.3%	0	3,015	3,015	
18.5%	0	3,013	3,013	
19.8%	0	3,012	3,012	
21.0%	0	2,972	2,972	
22.2%	0	2,917	2,917	
23.5%	0	2,905	2,905	
24.7%	0	2,853	2,853	
25.9%	0	2,762	2,762	
27.2%	0	2,697	2,697	
28.4%	0	2,660	2,660	
29.6%	0	2,620	2,620	
30.9%	0	2,564	2,564	
32.1%	0	2,533	2,533	
33.3%	0	2,480	2,480	
34.6%	0	2,390	2,390	
35.8%	0	2,326	2,326	
37.0%	0	2,303	2,303	
38.3%	0	2,278	2,278	
39.5%	0	2,256	2,256	
40.7%	0	2,253	2,253	
42.0%	0	2,241	2,241	
43.2%	0	2,180	2,180	
44.4%	0	2,179	2,179	
45.7%	0	2,169	2,169	
46.9%	0	2,159	2,159	
48.1%	0	2,156	2,156	
49.4%	0	2,145	2,145	
50.6%	0	2,136	2,136	
51.9%	0	2,103	2,103	
53.1%	0	2,085	2,085	
54.3%	0	1,992	1,992	
55.6%	0	1,938	1,938	
56.8%	0	1,895	1,895	
58.0%	0	1,872	1,872	
59.3%	0	1,692	1,692	
60.5%	0	1,517	1,517	
61.7%	0	1,468	1,468	
63.0%	0	1,343	1,343	
64.2%	0	1,294	1,294	
65.4%	0	1,220	1,220	
66.7%	0	1,068	1,068	
67.9%	0	914	914	
69.1%	0	894	894	
70.4%	0	856	856	
71.6%	0	790	790	
72.8%	0	757	757	
74.1%	0	732	732	
75.3%	0	721	721	
76.5%	0	702	702	
77.8%	0	698	698	
79.0%	0	663	663	
80.2%	0	656	656	
81.5%	0	654	654	
82.7%	0	642	642	
84.0%	0	635	635	
85.2%	0	558	558	
86.4%	0	470	470	
87.7%	0	462	462	
88.9%	0	459	459	
90.1%	0	422	422	
91.4%	0	415	415	
92.6%	0	398	398	
93.8%	0	327	327	
95.1%	0	292	292	
96.3%	0	219	219	
97.5%	0	117	117	
98.8%	0	107	107	
100.0%	0	0	0	

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow ()	WSIP 2070 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	3,202	3,202	
1.2%	0	3,176	3,176	
2.5%	0	3,167	3,167	
3.7%	0	3,164	3,164	
4.9%	0	3,131	3,131	
6.2%	0	3,110	3,110	
7.4%	0	3,106	3,106	
8.6%	0	3,097	3,097	
9.9%	0	3,093	3,093	
11.1%	0	3,087	3,087	
12.3%	0	3,087	3,087	
13.6%	0	3,083	3,083	
14.8%	0	3,079	3,079	
16.0%	0	3,049	3,049	
17.3%	0	3,045	3,045	
18.5%	0	3,021	3,021	
19.8%	0	3,015	3,015	
21.0%	0	3,009	3,009	
22.2%	0	3,001	3,001	
23.5%	0	2,991	2,991	
24.7%	0	2,950	2,950	
25.9%	0	2,909	2,909	
27.2%	0	2,809	2,809	
28.4%	0	2,784	2,784	
29.6%	0	2,769	2,769	
30.9%	0	2,745	2,745	
32.1%	0	2,743	2,743	
33.3%	0	2,679	2,679	
34.6%	0	2,609	2,609	
35.8%	0	2,355	2,355	
37.0%	0	2,245	2,245	
38.3%	0	2,241	2,241	
39.5%	0	2,236	2,236	
40.7%	0	2,217	2,217	
42.0%	0	2,213	2,213	
43.2%	0	2,207	2,207	
44.4%	0	2,189	2,189	
45.7%	0	2,137	2,137	
46.9%	0	2,123	2,123	
48.1%	0	2,088	2,088	
49.4%	0	1,991	1,991	
50.6%	0	1,879	1,879	
51.9%	0	1,667	1,667	
53.1%	0	1,370	1,370	
54.3%	0	1,341	1,341	
55.6%	0	1,325	1,325	
56.8%	0	1,264	1,264	
58.0%	0	1,148	1,148	
59.3%	0	1,126	1,126	
60.5%	0	1,084	1,084	
61.7%	0	1,055	1,055	
63.0%	0	1,041	1,041	
64.2%	0	968	968	
65.4%	0	859	859	
66.7%	0	846	846	
67.9%	0	838	838	
69.1%	0	803	803	
70.4%	0	779	779	
71.6%	0	775	775	
72.8%	0	773	773	
74.1%	0	768	768	
75.3%	0	766	766	
76.5%	0	765	765	
77.8%	0	703	703	
79.0%	0	677	677	
80.2%	0	637	637	
81.5%	0	606	606	
82.7%	0	592	592	
84.0%	0	536	536	
85.2%	0	520	520	
86.4%	0	489	489	
87.7%	0	349	349	
88.9%	0	317	317	
90.1%	0	312	312	
91.4%	0	184	184	
92.6%	0	41	41	
93.8%	0	41	41	
95.1%	0	41	41	
96.3%	0	41	41	
97.5%	0	39	39	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow ()	WSIP 2070 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	3,068	3,068	
1.2%	0	3,020	3,020	
2.5%	0	2,977	2,977	
3.7%	0	2,914	2,914	
4.9%	0	2,911	2,911	
6.2%	0	2,870	2,870	
7.4%	0	2,542	2,542	
8.6%	0	2,492	2,492	
9.9%	0	2,417	2,417	
11.1%	0	2,372	2,372	
12.3%	0	2,289	2,289	
13.6%	0	2,248	2,248	
14.8%	0	2,181	2,181	
16.0%	0	2,127	2,127	
17.3%	0	2,123	2,123	
18.5%	0	2,120	2,120	
19.8%	0	2,098	2,098	
21.0%	0	2,095	2,095	
22.2%	0	2,086	2,086	
23.5%	0	2,078	2,078	
24.7%	0	2,039	2,039	
25.9%	0	2,027	2,027	
27.2%	0	2,021	2,021	
28.4%	0	2,016	2,016	
29.6%	0	1,964	1,964	
30.9%	0	1,949	1,949	
32.1%	0	1,913	1,913	
33.3%	0	1,910	1,910	
34.6%	0	1,792	1,792	
35.8%	0	1,778	1,778	
37.0%	0	1,760	1,760	
38.3%	0	1,724	1,724	
39.5%	0	1,630	1,630	
40.7%	0	1,542	1,542	
42.0%	0	1,529	1,529	
43.2%	0	1,525	1,525	
44.4%	0	1,451	1,451	
45.7%	0	1,442	1,442	
46.9%	0	1,390	1,390	
48.1%	0	1,335	1,335	
49.4%	0	1,214	1,214	
50.6%	0	1,168	1,168	
51.9%	0	1,091	1,091	
53.1%	0	1,086	1,086	
54.3%	0	1,044	1,044	
55.6%	0	982	982	
56.8%	0	972	972	
58.0%	0	964	964	
59.3%	0	824	824	
60.5%	0	785	785	
61.7%	0	767	767	
63.0%	0	733	733	
64.2%	0	724	724	
65.4%	0	688	688	
66.7%	0	651	651	
67.9%	0	550	550	
69.1%	0	549	549	
70.4%	0	532	532	
71.6%	0	518	518	
72.8%	0	514	514	
74.1%	0	512	512	
75.3%	0	510	510	
76.5%	0	508	508	
77.8%	0	505	505	
79.0%	0	504	504	
80.2%	0	492	492	
81.5%	0	489	489	
82.7%	0	486	486	
84.0%	0	475	475	
85.2%	0	471	471	
86.4%	0	460	460	
87.7%	0	454	454	
88.9%	0	452	452	
90.1%	0	451	451	
91.4%	0	442	442	
92.6%	0	390	390	
93.8%	0	195	195	
95.1%	0	41	41	
96.3%	0	16	16	
97.5%	0	1	1	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow ()	WSIP 2070 With Project Monthly Flow ()	Absolute Difference ()	Relative Difference (%)
0.0%	0	2,031	2,031	
1.2%	0	2,003	2,003	
2.5%	0	1,991	1,991	
3.7%	0	1,986	1,986	
4.9%	0	1,968	1,968	
6.2%	0	1,961	1,961	
7.4%	0	1,956	1,956	
8.6%	0	1,949	1,949	
9.9%	0	1,942	1,942	
11.1%	0	1,940	1,940	
12.3%	0	1,934	1,934	
13.6%	0	1,931	1,931	
14.8%	0	1,930	1,930	
16.0%	0	1,930	1,930	
17.3%	0	1,927	1,927	
18.5%	0	1,921	1,921	
19.8%	0	1,913	1,913	
21.0%	0	1,912	1,912	
22.2%	0	1,900	1,900	
23.5%	0	1,894	1,894	
24.7%	0	1,893	1,893	
25.9%	0	1,880	1,880	
27.2%	0	1,872	1,872	
28.4%	0	1,861	1,861	
29.6%	0	1,789	1,789	
30.9%	0	1,786	1,786	
32.1%	0	1,763	1,763	
33.3%	0	1,750	1,750	
34.6%	0	1,748	1,748	
35.8%	0	1,746	1,746	
37.0%	0	1,745	1,745	
38.3%	0	1,691	1,691	
39.5%	0	1,673	1,673	
40.7%	0	1,671	1,671	
42.0%	0	1,661	1,661	
43.2%	0	1,645	1,645	
44.4%	0	1,617	1,617	
45.7%	0	1,603	1,603	
46.9%	0	1,585	1,585	
48.1%	0	1,559	1,559	
49.4%	0	1,542	1,542	
50.6%	0	1,433	1,433	
51.9%	0	1,200	1,200	
53.1%	0	1,104	1,104	
54.3%	0	1,002	1,002	
55.6%	0	979	979	
56.8%	0	969	969	
58.0%	0	960	960	
59.3%	0	930	930	
60.5%	0	919	919	
61.7%	0	904	904	
63.0%	0	890	890	
64.2%	0	883	883	
65.4%	0	852	852	
66.7%	0	849	849	
67.9%	0	830	830	
69.1%	0	819	819	
70.4%	0	798	798	
71.6%	0	786	786	
72.8%	0	780	780	
74.1%	0	769	769	
75.3%	0	743	743	
76.5%	0	730	730	
77.8%	0	716	716	
79.0%	0	706	706	
80.2%	0	623	623	
81.5%	0	497	497	
82.7%	0	403	403	
84.0%	0	388	388	
85.2%	0	307	307	
86.4%	0	299	299	
87.7%	0	266	266	
88.9%	0	263	263	
90.1%	0	247	247	
91.4%	0	174	174	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure OP-08-b
Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

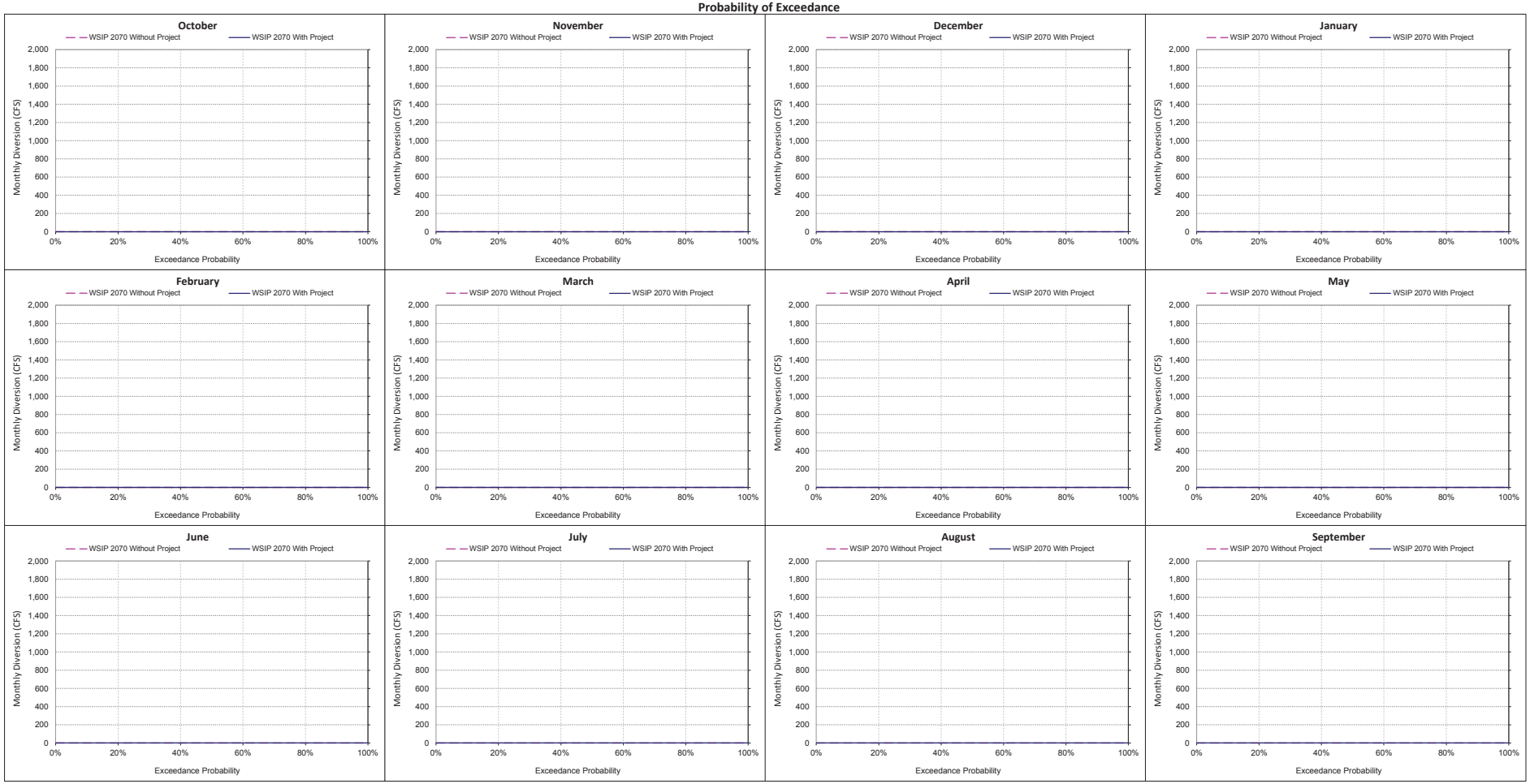


Table OP-08-b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table OP-08-b

Delevan Intake and Pipeline (to Local Use), Monthly Diversion
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Diversion (CFS)	WSIP 2070 With Project Monthly Diversion (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	0	0	0	
1.2%	0	0	0	
2.5%	0	0	0	
3.7%	0	0	0	
4.9%	0	0	0	
6.2%	0	0	0	
7.4%	0	0	0	
8.6%	0	0	0	
9.9%	0	0	0	
11.1%	0	0	0	
12.3%	0	0	0	
13.6%	0	0	0	
14.8%	0	0	0	
16.0%	0	0	0	
17.3%	0	0	0	
18.5%	0	0	0	
19.8%	0	0	0	
21.0%	0	0	0	
22.2%	0	0	0	
23.5%	0	0	0	
24.7%	0	0	0	
25.9%	0	0	0	
27.2%	0	0	0	
28.4%	0	0	0	
29.6%	0	0	0	
30.9%	0	0	0	
32.1%	0	0	0	
33.3%	0	0	0	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Figure OP-09-b
Sites Reservoir, End of Month Storage
Probability of Exceedance

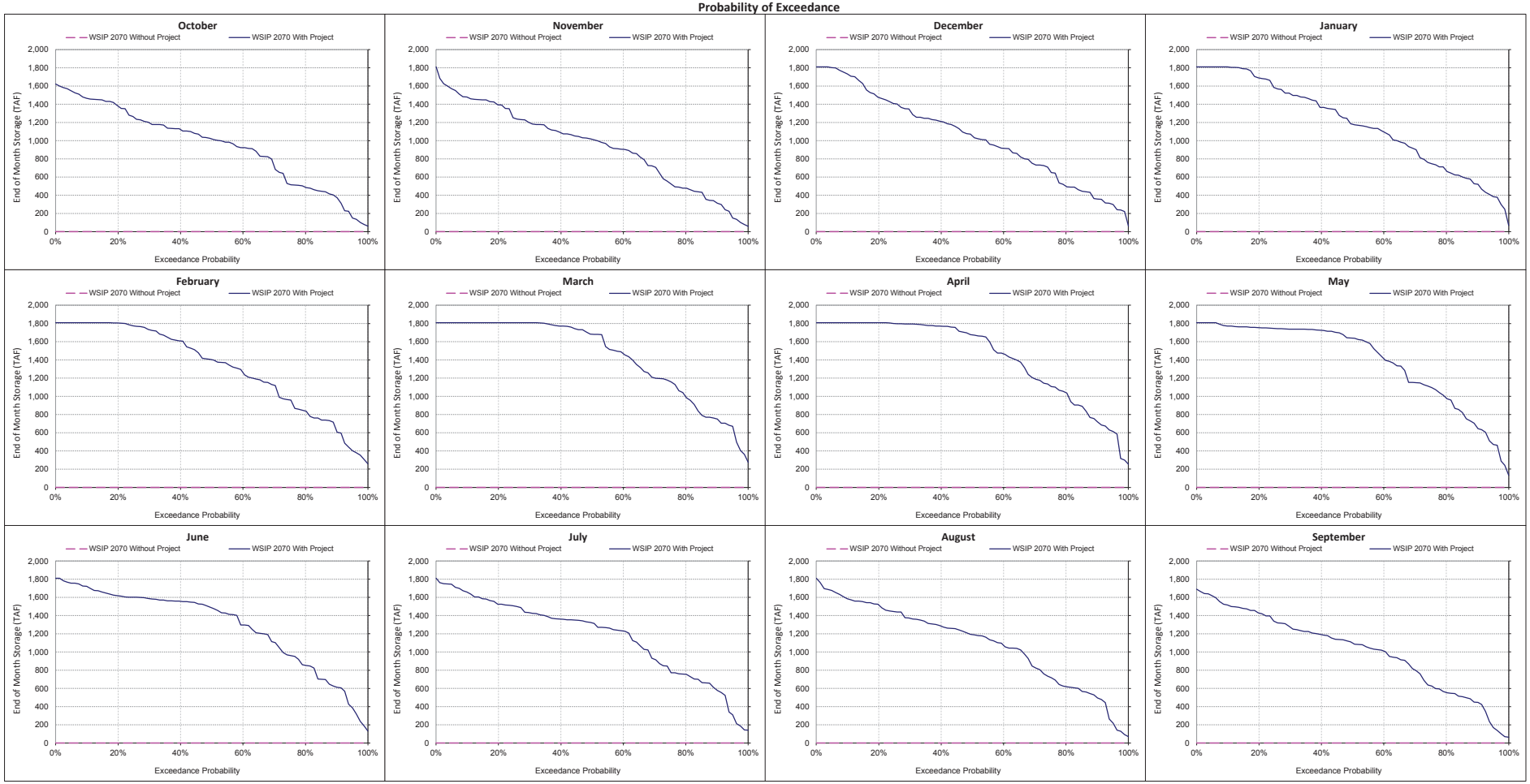


Table OP-09-b

Sites Reservoir, End of Month Storage
Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,622	1,622	
1.2%	0	1,600	1,600	
2.5%	0	1,581	1,581	
3.7%	0	1,570	1,570	
4.9%	0	1,550	1,550	
6.2%	0	1,524	1,524	
7.4%	0	1,511	1,511	
8.6%	0	1,481	1,481	
9.9%	0	1,464	1,464	
11.1%	0	1,456	1,456	
12.3%	0	1,453	1,453	
13.6%	0	1,450	1,450	
14.8%	0	1,447	1,447	
16.0%	0	1,431	1,431	
17.3%	0	1,431	1,431	
18.5%	0	1,420	1,420	
19.8%	0	1,386	1,386	
21.0%	0	1,355	1,355	
22.2%	0	1,353	1,353	
23.5%	0	1,279	1,279	
24.7%	0	1,266	1,266	
25.9%	0	1,235	1,235	
27.2%	0	1,229	1,229	
28.4%	0	1,211	1,211	
29.6%	0	1,202	1,202	
30.9%	0	1,179	1,179	
32.1%	0	1,178	1,178	
33.3%	0	1,177	1,177	
34.6%	0	1,172	1,172	
35.8%	0	1,137	1,137	
37.0%	0	1,136	1,136	
38.3%	0	1,132	1,132	
39.5%	0	1,131	1,131	
40.7%	0	1,106	1,106	
42.0%	0	1,105	1,105	
43.2%	0	1,101	1,101	
44.4%	0	1,080	1,080	
45.7%	0	1,072	1,072	
46.9%	0	1,036	1,036	
48.1%	0	1,034	1,034	
49.4%	0	1,025	1,025	
50.6%	0	1,011	1,011	
51.9%	0	1,002	1,002	
53.1%	0	997	997	
54.3%	0	984	984	
55.6%	0	982	982	
56.8%	0	966	966	
58.0%	0	933	933	
59.3%	0	925	925	
60.5%	0	923	923	
61.7%	0	914	914	
63.0%	0	912	912	
64.2%	0	882	882	
65.4%	0	828	828	
66.7%	0	826	826	
67.9%	0	823	823	
69.1%	0	798	798	
70.4%	0	683	683	
71.6%	0	652	652	
72.8%	0	642	642	
74.1%	0	528	528	
75.3%	0	517	517	
76.5%	0	512	512	
77.8%	0	509	509	
79.0%	0	504	504	
80.2%	0	484	484	
81.5%	0	478	478	
82.7%	0	461	461	
84.0%	0	448	448	
85.2%	0	444	444	
86.4%	0	438	438	
87.7%	0	416	416	
88.9%	0	405	405	
90.1%	0	372	372	
91.4%	0	313	313	
92.6%	0	229	229	
93.8%	0	224	224	
95.1%	0	151	151	
96.3%	0	137	137	
97.5%	0	100	100	
98.8%	0	80	80	
100.0%	0	60	60	

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,684	1,684	
2.5%	0	1,625	1,625	
3.7%	0	1,601	1,601	
4.9%	0	1,570	1,570	
6.2%	0	1,550	1,550	
7.4%	0	1,512	1,512	
8.6%	0	1,482	1,482	
9.9%	0	1,481	1,481	
11.1%	0	1,461	1,461	
12.3%	0	1,455	1,455	
13.6%	0	1,451	1,451	
14.8%	0	1,450	1,450	
16.0%	0	1,449	1,449	
17.3%	0	1,429	1,429	
18.5%	0	1,425	1,425	
19.8%	0	1,393	1,393	
21.0%	0	1,392	1,392	
22.2%	0	1,354	1,354	
23.5%	0	1,351	1,351	
24.7%	0	1,252	1,252	
25.9%	0	1,237	1,237	
27.2%	0	1,232	1,232	
28.4%	0	1,227	1,227	
29.6%	0	1,202	1,202	
30.9%	0	1,183	1,183	
32.1%	0	1,178	1,178	
33.3%	0	1,177	1,177	
34.6%	0	1,175	1,175	
35.8%	0	1,134	1,134	
37.0%	0	1,117	1,117	
38.3%	0	1,112	1,112	
39.5%	0	1,095	1,095	
40.7%	0	1,074	1,074	
42.0%	0	1,074	1,074	
43.2%	0	1,065	1,065	
44.4%	0	1,052	1,052	
45.7%	0	1,045	1,045	
46.9%	0	1,031	1,031	
48.1%	0	1,028	1,028	
49.4%	0	1,021	1,021	
50.6%	0	1,008	1,008	
51.9%	0	998	998	
53.1%	0	981	981	
54.3%	0	970	970	
55.6%	0	933	933	
56.8%	0	916	916	
58.0%	0	913	913	
59.3%	0	908	908	
60.5%	0	903	903	
61.7%	0	892	892	
63.0%	0	863	863	
64.2%	0	856	856	
65.4%	0	819	819	
66.7%	0	793	793	
67.9%	0	726	726	
69.1%	0	722	722	
70.4%	0	707	707	
71.6%	0	641	641	
72.8%	0	580	580	
74.1%	0	554	554	
75.3%	0	524	524	
76.5%	0	492	492	
77.8%	0	488	488	
79.0%	0	479	479	
80.2%	0	479	479	
81.5%	0	462	462	
82.7%	0	444	444	
84.0%	0	439	439	
85.2%	0	432	432	
86.4%	0	356	356	
87.7%	0	345	345	
88.9%	0	342	342	
90.1%	0	313	313	
91.4%	0	298	298	
92.6%	0	242	242	
93.8%	0	225	225	
95.1%	0	151	151	
96.3%	0	136	136	
97.5%	0	101	101	
98.8%	0	79	79	
100.0%	0	60	60	

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,802	1,802	
6.2%	0	1,799	1,799	
7.4%	0	1,775	1,775	
8.6%	0	1,753	1,753	
9.9%	0	1,734	1,734	
11.1%	0	1,709	1,709	
12.3%	0	1,703	1,703	
13.6%	0	1,662	1,662	
14.8%	0	1,628	1,628	
16.0%	0	1,558	1,558	
17.3%	0	1,529	1,529	
18.5%	0	1,515	1,515	
19.8%	0	1,478	1,478	
21.0%	0	1,462	1,462	
22.2%	0	1,448	1,448	
23.5%	0	1,427	1,427	
24.7%	0	1,409	1,409	
25.9%	0	1,404	1,404	
27.2%	0	1,365	1,365	
28.4%	0	1,353	1,353	
29.6%	0	1,350	1,350	
30.9%	0	1,287	1,287	
32.1%	0	1,258	1,258	
33.3%	0	1,256	1,256	
34.6%	0	1,247	1,247	
35.8%	0	1,246	1,246	
37.0%	0	1,233	1,233	
38.3%	0	1,226	1,226	
39.5%	0	1,214	1,214	
40.7%	0	1,206	1,206	
42.0%	0	1,187	1,187	
43.2%	0	1,177	1,177	
44.4%	0	1,157	1,157	
45.7%	0	1,133	1,133	
46.9%	0	1,096	1,096	
48.1%	0	1,077	1,077	
49.4%	0	1,071	1,071	
50.6%	0	1,033	1,033	
51.9%	0	1,020	1,020	
53.1%	0	1,012	1,012	
54.3%	0	1,009	1,009	
55.6%	0	961	961	
56.8%	0	952	952	
58.0%	0	934	934	
59.3%	0	918	918	
60.5%	0	914	914	
61.7%	0	911	911	
63.0%	0	865	865	
64.2%	0	861	861	
65.4%	0	821	821	
66.7%	0	799	799	
67.9%	0	795	795	
69.1%	0	751	751	
70.4%	0	733	733	
71.6%	0	732	732	
72.8%	0	726	726	
74.1%	0	708	708	
75.3%	0	650	650	
76.5%	0	644	644	
77.8%	0	535	535	
79.0%	0	521	521	
80.2%	0	493	493	
81.5%	0	490	490	
82.7%	0	490	490	
84.0%	0	461	461	
85.2%	0	445	445	
86.4%	0	439	439	
87.7%	0	434	434	
88.9%	0	364	364	
90.1%	0	357	357	
91.4%	0	356	356	
92.6%	0	316	316	
93.8%	0	313	313	
95.1%	0	298	298	
96.3%	0	242	242	
97.5%	0	238	238	
98.8%	0	221	221	
100.0%	0	60	60	

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,804	1,804	
12.3%	0	1,804	1,804	
13.6%	0	1,801	1,801	
14.8%	0	1,791	1,791	
16.0%	0	1,788	1,788	
17.3%	0	1,767	1,767	
18.5%	0	1,705	1,705	
19.8%	0	1,691	1,691	
21.0%	0	1,682	1,682	
22.2%	0	1,676	1,676	
23.5%	0	1,662	1,662	
24.7%	0	1,587	1,587	
25.9%	0	1,569	1,569	
27.2%	0	1,562	1,562	
28.4%	0	1,523	1,523	
29.6%	0	1,523	1,523	
30.9%	0	1,498	1,498	
32.1%	0	1,497	1,497	
33.3%	0	1,480	1,480	
34.6%	0	1,478	1,478	
35.8%	0	1,464	1,464	
37.0%	0	1,444	1,444	
38.3%	0	1,438	1,438	
39.5%	0	1,366	1,366	
40.7%	0	1,364	1,364	
42.0%	0	1,355	1,355	
43.2%	0	1,348	1,348	
44.4%	0	1,342	1,342	
45.7%	0	1,277	1,277	
46.9%	0	1,251	1,251	
48.1%	0	1,246	1,246	
49.4%	0	1,185	1,185	
50.6%	0	1,174	1,174	
51.9%	0	1,168	1,168	
53.1%	0	1,162	1,162	
54.3%	0	1,156	1,156	
55.6%	0	1,143	1,143	
56.8%	0	1,136	1,136	
58.0%	0	1,135	1,135	
59.3%	0	1,108	1,108	
60.5%	0	1,087	1,087	
61.7%	0	1,062	1,062	
63.0%	0	1,009	1,009	
64.2%	0	1,001	1,001	
65.4%	0	984	984	
66.7%	0	973	973	
67.9%	0	935	935	
69.1%	0	918	918	
70.4%	0	900	900	
71.6%	0	811	811	
72.8%	0	795	795	
74.1%	0	760	760	
75.3%	0	745	745	
76.5%	0	734	734	
77.8%	0	712	712	
79.0%	0	712	712	
80.2%	0	660	660	
81.5%	0	643	643	
82.7%	0	625	625	
84.0%	0	620	620	
85.2%	0	601	601	
86.4%	0	586	586	
87.7%	0	577	577	
88.9%	0	527	527	
90.1%	0	522	522	
91.4%	0	466	466	
92.6%	0	432	432	
93.8%	0	411	411	
95.1%	0	382	382	
96.3%	0	379	379	
97.5%	0	297	297	
98.8%	0	247	247	
100.0%	0	69	69	

Table OP-09-b

Sites Reservoir, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,807	1,807	
19.8%	0	1,807	1,807	
21.0%	0	1,803	1,803	
22.2%	0	1,801	1,801	
23.5%	0	1,785	1,785	
24.7%	0	1,775	1,775	
25.9%	0	1,769	1,769	
27.2%	0	1,766	1,766	
28.4%	0	1,757	1,757	
29.6%	0	1,734	1,734	
30.9%	0	1,724	1,724	
32.1%	0	1,718	1,718	
33.3%	0	1,682	1,682	
34.6%	0	1,673	1,673	
35.8%	0	1,649	1,649	
37.0%	0	1,627	1,627	
38.3%	0	1,619	1,619	
39.5%	0	1,609	1,609	
40.7%	0	1,608	1,608	
42.0%	0	1,545	1,545	
43.2%	0	1,530	1,530	
44.4%	0	1,513	1,513	
45.7%	0	1,478	1,478	
46.9%	0	1,417	1,417	
48.1%	0	1,413	1,413	
49.4%	0	1,408	1,408	
50.6%	0	1,399	1,399	
51.9%	0	1,376	1,376	
53.1%	0	1,372	1,372	
54.3%	0	1,371	1,371	
55.6%	0	1,344	1,344	
56.8%	0	1,320	1,320	
58.0%	0	1,310	1,310	
59.3%	0	1,295	1,295	
60.5%	0	1,236	1,236	
61.7%	0	1,209	1,209	
63.0%	0	1,201	1,201	
64.2%	0	1,190	1,190	
65.4%	0	1,182	1,182	
66.7%	0	1,155	1,155	
67.9%	0	1,151	1,151	
69.1%	0	1,131	1,131	
70.4%	0	1,118	1,118	
71.6%	0	990	990	
72.8%	0	974	974	
74.1%	0	964	964	
75.3%	0	959	959	
76.5%	0	867	867	
77.8%	0	858	858	
79.0%	0	849	849	
80.2%	0	835	835	
81.5%	0	778	778	
82.7%	0	763	763	
84.0%	0	761	761	
85.2%	0	740	740	
86.4%	0	740	740	
87.7%	0	732	732	
88.9%	0	716	716	
90.1%	0	606	606	
91.4%	0	596	596	
92.6%	0	485	485	
93.8%	0	443	443	
95.1%	0	404	404	
96.3%	0	381	381	
97.5%	0	355	355	
98.8%	0	307	307	
100.0%	0	260	260	

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,810	1,810	
22.2%	0	1,810	1,810	
23.5%	0	1,810	1,810	
24.7%	0	1,810	1,810	
25.9%	0	1,810	1,810	
27.2%	0	1,810	1,810	
28.4%	0	1,810	1,810	
29.6%	0	1,810	1,810	
30.9%	0	1,809	1,809	
32.1%	0	1,808	1,808	
33.3%	0	1,805	1,805	
34.6%	0	1,804	1,804	
35.8%	0	1,796	1,796	
37.0%	0	1,786	1,786	
38.3%	0	1,778	1,778	
39.5%	0	1,773	1,773	
40.7%	0	1,772	1,772	
42.0%	0	1,769	1,769	
43.2%	0	1,761	1,761	
44.4%	0	1,743	1,743	
45.7%	0	1,733	1,733	
46.9%	0	1,732	1,732	
48.1%	0	1,705	1,705	
49.4%	0	1,683	1,683	
50.6%	0	1,681	1,681	
51.9%	0	1,681	1,681	
53.1%	0	1,678	1,678	
54.3%	0	1,545	1,545	
55.6%	0	1,514	1,514	
56.8%	0	1,506	1,506	
58.0%	0	1,495	1,495	
59.3%	0	1,490	1,490	
60.5%	0	1,455	1,455	
61.7%	0	1,434	1,434	
63.0%	0	1,397	1,397	
64.2%	0	1,349	1,349	
65.4%	0	1,316	1,316	
66.7%	0	1,273	1,273	
67.9%	0	1,260	1,260	
69.1%	0	1,211	1,211	
70.4%	0	1,198	1,198	
71.6%	0	1,195	1,195	
72.8%	0	1,193	1,193	
74.1%	0	1,178	1,178	
75.3%	0	1,160	1,160	
76.5%	0	1,129	1,129	
77.8%	0	1,061	1,061	
79.0%	0	1,042	1,042	
80.2%	0	984	984	
81.5%	0	955	955	
82.7%	0	911	911	
84.0%	0	840	840	
85.2%	0	790	790	
86.4%	0	771	771	
87.7%	0	770	770	
88.9%	0	762	762	
90.1%	0	749	749	
91.4%	0	706	706	
92.6%	0	705	705	
93.8%	0	681	681	
95.1%	0	671	671	
96.3%	0	496	496	
97.5%	0	404	404	
98.8%	0	362	362	
100.0%	0	273	273	

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,810	1,810	
8.6%	0	1,810	1,810	
9.9%	0	1,810	1,810	
11.1%	0	1,810	1,810	
12.3%	0	1,810	1,810	
13.6%	0	1,810	1,810	
14.8%	0	1,810	1,810	
16.0%	0	1,810	1,810	
17.3%	0	1,810	1,810	
18.5%	0	1,810	1,810	
19.8%	0	1,810	1,810	
21.0%	0	1,810	1,810	
22.2%	0	1,810	1,810	
23.5%	0	1,805	1,805	
24.7%	0	1,799	1,799	
25.9%	0	1,799	1,799	
27.2%	0	1,797	1,797	
28.4%	0	1,795	1,795	
29.6%	0	1,794	1,794	
30.9%	0	1,793	1,793	
32.1%	0	1,793	1,793	
33.3%	0	1,790	1,790	
34.6%	0	1,782	1,782	
35.8%	0	1,778	1,778	
37.0%	0	1,778	1,778	
38.3%	0	1,772	1,772	
39.5%	0	1,772	1,772	
40.7%	0	1,769	1,769	
42.0%	0	1,768	1,768	
43.2%	0	1,760	1,760	
44.4%	0	1,759	1,759	
45.7%	0	1,715	1,715	
46.9%	0	1,707	1,707	
48.1%	0	1,696	1,696	
49.4%	0	1,679	1,679	
50.6%	0	1,672	1,672	
51.9%	0	1,663	1,663	
53.1%	0	1,661	1,661	
54.3%	0	1,653	1,653	
55.6%	0	1,599	1,599	
56.8%	0	1,513	1,513	
58.0%	0	1,475	1,475	
59.3%	0	1,474	1,474	
60.5%	0	1,461	1,461	
61.7%	0	1,433	1,433	
63.0%	0	1,415	1,415	
64.2%	0	1,397	1,397	
65.4%	0	1,376	1,376	
66.7%	0	1,316	1,316	
67.9%	0	1,242	1,242	
69.1%	0	1,206	1,206	
70.4%	0	1,186	1,186	
71.6%	0	1,176	1,176	
72.8%	0	1,143	1,143	
74.1%	0	1,136	1,136	
75.3%	0	1,107	1,107	
76.5%	0	1,103	1,103	
77.8%	0	1,067	1,067	
79.0%	0	1,057	1,057	
80.2%	0	1,037	1,037	
81.5%	0	941	941	
82.7%	0	905	905	
84.0%	0	904	904	
85.2%	0	889	889	
86.4%	0	836	836	
87.7%	0	767	767	
88.9%	0	757	757	
90.1%	0	720	720	
91.4%	0	684	684	
92.6%	0	672	672	
93.8%	0	631	631	
95.1%	0	613	613	
96.3%	0	586	586	
97.5%	0	318	318	
98.8%	0	301	301	
100.0%	0	253	253	

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,810	1,810	
3.7%	0	1,810	1,810	
4.9%	0	1,810	1,810	
6.2%	0	1,810	1,810	
7.4%	0	1,791	1,791	
8.6%	0	1,777	1,777	
9.9%	0	1,773	1,773	
11.1%	0	1,772	1,772	
12.3%	0	1,767	1,767	
13.6%	0	1,762	1,762	
14.8%	0	1,762	1,762	
16.0%	0	1,762	1,762	
17.3%	0	1,757	1,757	
18.5%	0	1,756	1,756	
19.8%	0	1,755	1,755	
21.0%	0	1,753	1,753	
22.2%	0	1,751	1,751	
23.5%	0	1,749	1,749	
24.7%	0	1,747	1,747	
25.9%	0	1,744	1,744	
27.2%	0	1,743	1,743	
28.4%	0	1,740	1,740	
29.6%	0	1,738	1,738	
30.9%	0	1,738	1,738	
32.1%	0	1,737	1,737	
33.3%	0	1,737	1,737	
34.6%	0	1,736	1,736	
35.8%	0	1,735	1,735	
37.0%	0	1,735	1,735	
38.3%	0	1,729	1,729	
39.5%	0	1,725	1,725	
40.7%	0	1,723	1,723	
42.0%	0	1,716	1,716	
43.2%	0	1,715	1,715	
44.4%	0	1,704	1,704	
45.7%	0	1,697	1,697	
46.9%	0	1,677	1,677	
48.1%	0	1,643	1,643	
49.4%	0	1,642	1,642	
50.6%	0	1,638	1,638	
51.9%	0	1,623	1,623	
53.1%	0	1,617	1,617	
54.3%	0	1,599	1,599	
55.6%	0	1,581	1,581	
56.8%	0	1,523	1,523	
58.0%	0	1,480	1,480	
59.3%	0	1,437	1,437	
60.5%	0	1,395	1,395	
61.7%	0	1,385	1,385	
63.0%	0	1,368	1,368	
64.2%	0	1,336	1,336	
65.4%	0	1,332	1,332	
66.7%	0	1,284	1,284	
67.9%	0	1,153	1,153	
69.1%	0	1,153	1,153	
70.4%	0	1,149	1,149	
71.6%	0	1,148	1,148	
72.8%	0	1,126	1,126	
74.1%	0	1,114	1,114	
75.3%	0	1,095	1,095	
76.5%	0	1,074	1,074	
77.8%	0	1,041	1,041	
79.0%	0	1,014	1,014	
80.2%	0	974	974	
81.5%	0	958	958	
82.7%	0	867	867	
84.0%	0	856	856	
85.2%	0	823	823	
86.4%	0	754	754	
87.7%	0	730	730	
88.9%	0	704	704	
90.1%	0	644	644	
91.4%	0	633	633	
92.6%	0	605	605	
93.8%	0	510	510	
95.1%	0	472	472	
96.3%	0	462	462	
97.5%	0	289	289	
98.8%	0	244	244	
100.0%	0	135	135	

Table OP-09-b

Sites Reservoir, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,810	1,810	
2.5%	0	1,783	1,783	
3.7%	0	1,768	1,768	
4.9%	0	1,758	1,758	
6.2%	0	1,755	1,755	
7.4%	0	1,747	1,747	
8.6%	0	1,725	1,725	
9.9%	0	1,721	1,721	
11.1%	0	1,699	1,699	
12.3%	0	1,676	1,676	
13.6%	0	1,674	1,674	
14.8%	0	1,659	1,659	
16.0%	0	1,647	1,647	
17.3%	0	1,637	1,637	
18.5%	0	1,624	1,624	
19.8%	0	1,620	1,620	
21.0%	0	1,613	1,613	
22.2%	0	1,605	1,605	
23.5%	0	1,602	1,602	
24.7%	0	1,602	1,602	
25.9%	0	1,602	1,602	
27.2%	0	1,600	1,600	
28.4%	0	1,597	1,597	
29.6%	0	1,589	1,589	
30.9%	0	1,581	1,581	
32.1%	0	1,578	1,578	
33.3%	0	1,570	1,570	
34.6%	0	1,569	1,569	
35.8%	0	1,562	1,562	
37.0%	0	1,561	1,561	
38.3%	0	1,560	1,560	
39.5%	0	1,558	1,558	
40.7%	0	1,554	1,554	
42.0%	0	1,554	1,554	
43.2%	0	1,549	1,549	
44.4%	0	1,544	1,544	
45.7%	0	1,527	1,527	
46.9%	0	1,526	1,526	
48.1%	0	1,511	1,511	
49.4%	0	1,493	1,493	
50.6%	0	1,475	1,475	
51.9%	0	1,456	1,456	
53.1%	0	1,430	1,430	
54.3%	0	1,428	1,428	
55.6%	0	1,414	1,414	
56.8%	0	1,410	1,410	
58.0%	0	1,403	1,403	
59.3%	0	1,296	1,296	
60.5%	0	1,296	1,296	
61.7%	0	1,292	1,292	
63.0%	0	1,250	1,250	
64.2%	0	1,212	1,212	
65.4%	0	1,206	1,206	
66.7%	0	1,200	1,200	
67.9%	0	1,192	1,192	
69.1%	0	1,114	1,114	
70.4%	0	1,104	1,104	
71.6%	0	1,048	1,048	
72.8%	0	994	994	
74.1%	0	969	969	
75.3%	0	959	959	
76.5%	0	951	951	
77.8%	0	920	920	
79.0%	0	860	860	
80.2%	0	852	852	
81.5%	0	845	845	
82.7%	0	824	824	
84.0%	0	703	703	
85.2%	0	699	699	
86.4%	0	698	698	
87.7%	0	646	646	
88.9%	0	626	626	
90.1%	0	611	611	
91.4%	0	605	605	
92.6%	0	570	570	
93.8%	0	427	427	
95.1%	0	386	386	
96.3%	0	319	319	
97.5%	0	239	239	
98.8%	0	186	186	
100.0%	0	132	132	

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,762	1,762	
2.5%	0	1,751	1,751	
3.7%	0	1,748	1,748	
4.9%	0	1,745	1,745	
6.2%	0	1,710	1,710	
7.4%	0	1,698	1,698	
8.6%	0	1,674	1,674	
9.9%	0	1,658	1,658	
11.1%	0	1,637	1,637	
12.3%	0	1,606	1,606	
13.6%	0	1,606	1,606	
14.8%	0	1,584	1,584	
16.0%	0	1,583	1,583	
17.3%	0	1,565	1,565	
18.5%	0	1,555	1,555	
19.8%	0	1,526	1,526	
21.0%	0	1,526	1,526	
22.2%	0	1,516	1,516	
23.5%	0	1,514	1,514	
24.7%	0	1,508	1,508	
25.9%	0	1,500	1,500	
27.2%	0	1,488	1,488	
28.4%	0	1,436	1,436	
29.6%	0	1,435	1,435	
30.9%	0	1,424	1,424	
32.1%	0	1,423	1,423	
33.3%	0	1,407	1,407	
34.6%	0	1,401	1,401	
35.8%	0	1,388	1,388	
37.0%	0	1,372	1,372	
38.3%	0	1,364	1,364	
39.5%	0	1,362	1,362	
40.7%	0	1,359	1,359	
42.0%	0	1,354	1,354	
43.2%	0	1,353	1,353	
44.4%	0	1,351	1,351	
45.7%	0	1,347	1,347	
46.9%	0	1,342	1,342	
48.1%	0	1,332	1,332	
49.4%	0	1,325	1,325	
50.6%	0	1,314	1,314	
51.9%	0	1,271	1,271	
53.1%	0	1,270	1,270	
54.3%	0	1,267	1,267	
55.6%	0	1,263	1,263	
56.8%	0	1,245	1,245	
58.0%	0	1,239	1,239	
59.3%	0	1,235	1,235	
60.5%	0	1,230	1,230	
61.7%	0	1,209	1,209	
63.0%	0	1,124	1,124	
64.2%	0	1,110	1,110	
65.4%	0	1,065	1,065	
66.7%	0	1,028	1,028	
67.9%	0	1,023	1,023	
69.1%	0	930	930	
70.4%	0	916	916	
71.6%	0	871	871	
72.8%	0	849	849	
74.1%	0	845	845	
75.3%	0	773	773	
76.5%	0	771	771	
77.8%	0	760	760	
79.0%	0	758	758	
80.2%	0	753	753	
81.5%	0	728	728	
82.7%	0	704	704	
84.0%	0	701	701	
85.2%	0	662	662	
86.4%	0	660	660	
87.7%	0	658	658	
88.9%	0	613	613	
90.1%	0	577	577	
91.4%	0	556	556	
92.6%	0	524	524	
93.8%	0	339	339	
95.1%	0	310	310	
96.3%	0	211	211	
97.5%	0	186	186	
98.8%	0	145	145	
100.0%	0	141	141	

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,810	1,810	
1.2%	0	1,762	1,762	
2.5%	0	1,696	1,696	
3.7%	0	1,689	1,689	
4.9%	0	1,677	1,677	
6.2%	0	1,653	1,653	
7.4%	0	1,634	1,634	
8.6%	0	1,609	1,609	
9.9%	0	1,585	1,585	
11.1%	0	1,575	1,575	
12.3%	0	1,561	1,561	
13.6%	0	1,559	1,559	
14.8%	0	1,552	1,552	
16.0%	0	1,542	1,542	
17.3%	0	1,541	1,541	
18.5%	0	1,528	1,528	
19.8%	0	1,526	1,526	
21.0%	0	1,485	1,485	
22.2%	0	1,458	1,458	
23.5%	0	1,450	1,450	
24.7%	0	1,446	1,446	
25.9%	0	1,439	1,439	
27.2%	0	1,439	1,439	
28.4%	0	1,378	1,378	
29.6%	0	1,375	1,375	
30.9%	0	1,362	1,362	
32.1%	0	1,358	1,358	
33.3%	0	1,351	1,351	
34.6%	0	1,340	1,340	
35.8%	0	1,314	1,314	
37.0%	0	1,308	1,308	
38.3%	0	1,303	1,303	
39.5%	0	1,291	1,291	
40.7%	0	1,273	1,273	
42.0%	0	1,262	1,262	
43.2%	0	1,259	1,259	
44.4%	0	1,256	1,256	
45.7%	0	1,243	1,243	
46.9%	0	1,228	1,228	
48.1%	0	1,211	1,211	
49.4%	0	1,193	1,193	
50.6%	0	1,188	1,188	
51.9%	0	1,181	1,181	
53.1%	0	1,175	1,175	
54.3%	0	1,163	1,163	
55.6%	0	1,134	1,134	
56.8%	0	1,124	1,124	
58.0%	0	1,102	1,102	
59.3%	0	1,097	1,097	
60.5%	0	1,056	1,056	
61.7%	0	1,043	1,043	
63.0%	0	1,041	1,041	
64.2%	0	1,040	1,040	
65.4%	0	1,024	1,024	
66.7%	0	978	978	
67.9%	0	929	929	
69.1%	0	847	847	
70.4%	0	822	822	
71.6%	0	807	807	
72.8%	0	760	760	
74.1%	0	735	735	
75.3%	0	717	717	
76.5%	0	691	691	
77.8%	0	643	643	
79.0%	0	625	625	
80.2%	0	618	618	
81.5%	0	611	611	
82.7%	0	606	606	
84.0%	0	599	599	
85.2%	0	565	565	
86.4%	0	559	559	
87.7%	0	543	543	
88.9%	0	528	528	
90.1%	0	496	496	
91.4%	0	477	477	
92.6%	0	444	444	
93.8%	0	263	263	
95.1%	0	217	217	
96.3%	0	140	140	
97.5%	0	131	131	
98.8%	0	91	91	
100.0%	0	71	71	

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	0	1,689	1,689	
1.2%	0	1,664	1,664	
2.5%	0	1,642	1,642	
3.7%	0	1,638	1,638	
4.9%	0	1,618	1,618	
6.2%	0	1,596	1,596	
7.4%	0	1,553	1,553	
8.6%	0	1,526	1,526	
9.9%	0	1,515	1,515	
11.1%	0	1,498	1,498	
12.3%	0	1,495	1,495	
13.6%	0	1,490	1,490	
14.8%	0	1,479	1,479	
16.0%	0	1,474	1,474	
17.3%	0	1,457	1,457	
18.5%	0	1,456	1,456	
19.8%	0	1,432	1,432	
21.0%	0	1,420	1,420	
22.2%	0	1,397	1,397	
23.5%	0	1,397	1,397	
24.7%	0	1,340	1,340	
25.9%	0	1,320	1,320	
27.2%	0	1,318	1,318	
28.4%	0	1,311	1,311	
29.6%	0	1,282	1,282	
30.9%	0	1,252	1,252	
32.1%	0	1,245	1,245	
33.3%	0	1,235	1,235	
34.6%	0	1,227	1,227	
35.8%	0	1,226	1,226	
37.0%	0	1,208	1,208	
38.3%	0	1,204	1,204	
39.5%	0	1,195	1,195	
40.7%	0	1,186	1,186	
42.0%	0	1,180	1,180	
43.2%	0	1,154	1,154	
44.4%	0	1,139	1,139	
45.7%	0	1,137	1,137	
46.9%	0	1,135	1,135	
48.1%	0	1,122	1,122	
49.4%	0	1,110	1,110	
50.6%	0	1,086	1,086	
51.9%	0	1,084	1,084	
53.1%	0	1,081	1,081	
54.3%	0	1,056	1,056	
55.6%	0	1,042	1,042	
56.8%	0	1,030	1,030	
58.0%	0	1,027	1,027	
59.3%	0	1,020	1,020	
60.5%	0	1,003	1,003	
61.7%	0	950	950	
63.0%	0	943	943	
64.2%	0	938	938	
65.4%	0	914	914	
66.7%	0	908	908	
67.9%	0	868	868	
69.1%	0	817	817	
70.4%	0	795	795	
71.6%	0	759	759	
72.8%	0	688	688	
74.1%	0	637	637	
75.3%	0	626	626	
76.5%	0	599	599	
77.8%	0	594	594	
79.0%	0	566	566	
80.2%	0	551	551	
81.5%	0	545	545	
82.7%	0	542	542	
84.0%	0	515	515	
85.2%	0	509	509	
86.4%	0	496	496	
87.7%	0	485	485	
88.9%	0	448	448	
90.1%	0	446	446	
91.4%	0	424	424	
92.6%	0	346	346	
93.8%	0	236	236	
95.1%	0	169	169	
96.3%	0	138	138	
97.5%	0	102	102	
98.8%	0	69	69	
100.0%	0	63	63	

Figure OP-10-b
Sites Reservoir, End of Month Elevation
Probability of Exceedance

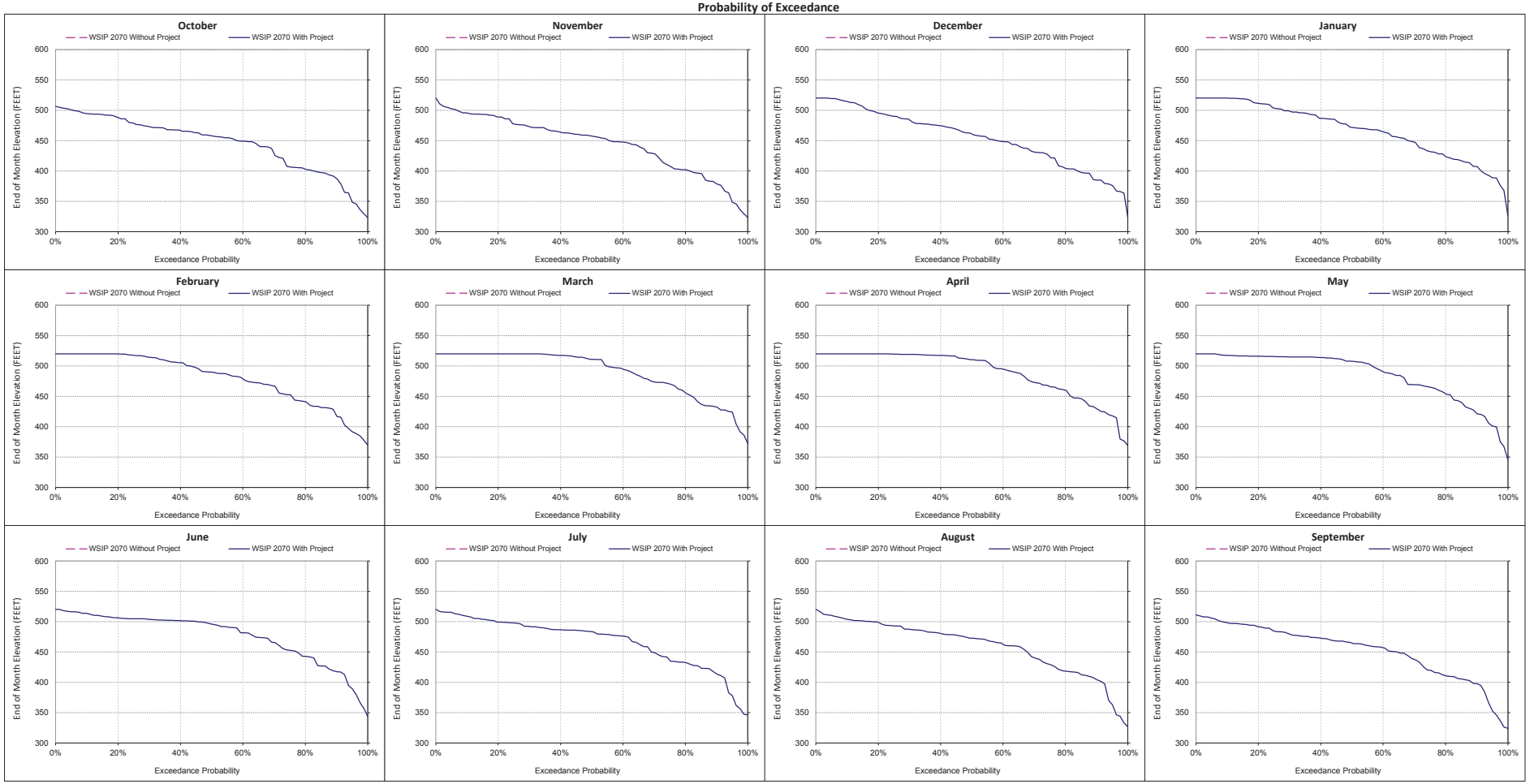


Table OP-10-b

Sites Reservoir, End of Month Elevation
Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	506	506	
1.2%	0	505	505	
2.5%	0	503	503	
3.7%	0	503	503	
4.9%	0	501	501	
6.2%	0	499	499	
7.4%	0	498	498	
8.6%	0	496	496	
9.9%	0	495	495	
11.1%	0	494	494	
12.3%	0	494	494	
13.6%	0	494	494	
14.8%	0	493	493	
16.0%	0	492	492	
17.3%	0	492	492	
18.5%	0	491	491	
19.8%	0	489	489	
21.0%	0	486	486	
22.2%	0	486	486	
23.5%	0	480	480	
24.7%	0	479	479	
25.9%	0	476	476	
27.2%	0	476	476	
28.4%	0	474	474	
29.6%	0	474	474	
30.9%	0	472	472	
32.1%	0	472	472	
33.3%	0	472	472	
34.6%	0	471	471	
35.8%	0	468	468	
37.0%	0	468	468	
38.3%	0	468	468	
39.5%	0	468	468	
40.7%	0	466	466	
42.0%	0	465	465	
43.2%	0	465	465	
44.4%	0	463	463	
45.7%	0	463	463	
46.9%	0	460	460	
48.1%	0	459	459	
49.4%	0	459	459	
50.6%	0	457	457	
51.9%	0	456	456	
53.1%	0	456	456	
54.3%	0	455	455	
55.6%	0	455	455	
56.8%	0	453	453	
58.0%	0	450	450	
59.3%	0	449	449	
60.5%	0	449	449	
61.7%	0	448	448	
63.0%	0	448	448	
64.2%	0	445	445	
65.4%	0	440	440	
66.7%	0	440	440	
67.9%	0	440	440	
69.1%	0	437	437	
70.4%	0	425	425	
71.6%	0	422	422	
72.8%	0	421	421	
74.1%	0	408	408	
75.3%	0	406	406	
76.5%	0	406	406	
77.8%	0	406	406	
79.0%	0	405	405	
80.2%	0	403	403	
81.5%	0	402	402	
82.7%	0	400	400	
84.0%	0	398	398	
85.2%	0	397	397	
86.4%	0	397	397	
87.7%	0	394	394	
88.9%	0	392	392	
90.1%	0	387	387	
91.4%	0	379	379	
92.6%	0	365	365	
93.8%	0	364	364	
95.1%	0	349	349	
96.3%	0	346	346	
97.5%	0	336	336	
98.8%	0	329	329	
100.0%	0	323	323	

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	511	511	
2.5%	0	507	507	
3.7%	0	505	505	
4.9%	0	503	503	
6.2%	0	501	501	
7.4%	0	498	498	
8.6%	0	496	496	
9.9%	0	496	496	
11.1%	0	494	494	
12.3%	0	494	494	
13.6%	0	494	494	
14.8%	0	493	493	
16.0%	0	493	493	
17.3%	0	492	492	
18.5%	0	492	492	
19.8%	0	489	489	
21.0%	0	489	489	
22.2%	0	486	486	
23.5%	0	486	486	
24.7%	0	478	478	
25.9%	0	477	477	
27.2%	0	476	476	
28.4%	0	476	476	
29.6%	0	474	474	
30.9%	0	472	472	
32.1%	0	472	472	
33.3%	0	472	472	
34.6%	0	471	471	
35.8%	0	468	468	
37.0%	0	466	466	
38.3%	0	466	466	
39.5%	0	465	465	
40.7%	0	463	463	
42.0%	0	463	463	
43.2%	0	462	462	
44.4%	0	461	461	
45.7%	0	460	460	
46.9%	0	459	459	
48.1%	0	459	459	
49.4%	0	458	458	
50.6%	0	457	457	
51.9%	0	456	456	
53.1%	0	454	454	
54.3%	0	453	453	
55.6%	0	450	450	
56.8%	0	448	448	
58.0%	0	448	448	
59.3%	0	448	448	
60.5%	0	447	447	
61.7%	0	446	446	
63.0%	0	444	444	
64.2%	0	443	443	
65.4%	0	439	439	
66.7%	0	437	437	
67.9%	0	430	430	
69.1%	0	429	429	
70.4%	0	428	428	
71.6%	0	421	421	
72.8%	0	414	414	
74.1%	0	411	411	
75.3%	0	407	407	
76.5%	0	404	404	
77.8%	0	403	403	
79.0%	0	402	402	
80.2%	0	402	402	
81.5%	0	400	400	
82.7%	0	397	397	
84.0%	0	397	397	
85.2%	0	396	396	
86.4%	0	385	385	
87.7%	0	383	383	
88.9%	0	383	383	
90.1%	0	379	379	
91.4%	0	376	376	
92.6%	0	367	367	
93.8%	0	364	364	
95.1%	0	349	349	
96.3%	0	345	345	
97.5%	0	336	336	
98.8%	0	329	329	
100.0%	0	323	323	

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	519	519	
7.4%	0	518	518	
8.6%	0	516	516	
9.9%	0	515	515	
11.1%	0	513	513	
12.3%	0	512	512	
13.6%	0	509	509	
14.8%	0	507	507	
16.0%	0	502	502	
17.3%	0	500	500	
18.5%	0	499	499	
19.8%	0	496	496	
21.0%	0	494	494	
22.2%	0	493	493	
23.5%	0	492	492	
24.7%	0	490	490	
25.9%	0	490	490	
27.2%	0	487	487	
28.4%	0	486	486	
29.6%	0	486	486	
30.9%	0	481	481	
32.1%	0	478	478	
33.3%	0	478	478	
34.6%	0	477	477	
35.8%	0	477	477	
37.0%	0	476	476	
38.3%	0	476	476	
39.5%	0	475	475	
40.7%	0	474	474	
42.0%	0	472	472	
43.2%	0	472	472	
44.4%	0	470	470	
45.7%	0	468	468	
46.9%	0	465	465	
48.1%	0	463	463	
49.4%	0	463	463	
50.6%	0	459	459	
51.9%	0	458	458	
53.1%	0	457	457	
54.3%	0	457	457	
55.6%	0	453	453	
56.8%	0	452	452	
58.0%	0	450	450	
59.3%	0	449	449	
60.5%	0	448	448	
61.7%	0	448	448	
63.0%	0	444	444	
64.2%	0	443	443	
65.4%	0	440	440	
66.7%	0	437	437	
67.9%	0	437	437	
69.1%	0	432	432	
70.4%	0	431	431	
71.6%	0	430	430	
72.8%	0	430	430	
74.1%	0	428	428	
75.3%	0	422	422	
76.5%	0	421	421	
77.8%	0	409	409	
79.0%	0	407	407	
80.2%	0	404	404	
81.5%	0	403	403	
82.7%	0	403	403	
84.0%	0	400	400	
85.2%	0	398	398	
86.4%	0	397	397	
87.7%	0	396	396	
88.9%	0	386	386	
90.1%	0	385	385	
91.4%	0	385	385	
92.6%	0	379	379	
93.8%	0	379	379	
95.1%	0	376	376	
96.3%	0	367	367	
97.5%	0	366	366	
98.8%	0	363	363	
100.0%	0	323	323	

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	519	519	
16.0%	0	519	519	
17.3%	0	517	517	
18.5%	0	513	513	
19.8%	0	512	512	
21.0%	0	511	511	
22.2%	0	510	510	
23.5%	0	509	509	
24.7%	0	504	504	
25.9%	0	503	503	
27.2%	0	502	502	
28.4%	0	499	499	
29.6%	0	499	499	
30.9%	0	497	497	
32.1%	0	497	497	
33.3%	0	496	496	
34.6%	0	496	496	
35.8%	0	495	495	
37.0%	0	493	493	
38.3%	0	493	493	
39.5%	0	487	487	
40.7%	0	487	487	
42.0%	0	486	486	
43.2%	0	486	486	
44.4%	0	485	485	
45.7%	0	480	480	
46.9%	0	478	478	
48.1%	0	477	477	
49.4%	0	472	472	
50.6%	0	471	471	
51.9%	0	471	471	
53.1%	0	470	470	
54.3%	0	470	470	
55.6%	0	469	469	
56.8%	0	468	468	
58.0%	0	468	468	
59.3%	0	466	466	
60.5%	0	464	464	
61.7%	0	462	462	
63.0%	0	457	457	
64.2%	0	456	456	
65.4%	0	455	455	
66.7%	0	454	454	
67.9%	0	450	450	
69.1%	0	449	449	
70.4%	0	447	447	
71.6%	0	439	439	
72.8%	0	437	437	
74.1%	0	433	433	
75.3%	0	432	432	
76.5%	0	431	431	
77.8%	0	428	428	
79.0%	0	428	428	
80.2%	0	423	423	
81.5%	0	421	421	
82.7%	0	419	419	
84.0%	0	419	419	
85.2%	0	416	416	
86.4%	0	415	415	
87.7%	0	414	414	
88.9%	0	408	408	
90.1%	0	407	407	
91.4%	0	400	400	
92.6%	0	396	396	
93.8%	0	393	393	
95.1%	0	389	389	
96.3%	0	388	388	
97.5%	0	376	376	
98.8%	0	368	368	
100.0%	0	326	326	

Table OP-10-b

Sites Reservoir, End of Month Elevation
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	518	518	
24.7%	0	518	518	
25.9%	0	517	517	
27.2%	0	517	517	
28.4%	0	516	516	
29.6%	0	515	515	
30.9%	0	514	514	
32.1%	0	513	513	
33.3%	0	511	511	
34.6%	0	510	510	
35.8%	0	508	508	
37.0%	0	507	507	
38.3%	0	506	506	
39.5%	0	506	506	
40.7%	0	505	505	
42.0%	0	501	501	
43.2%	0	500	500	
44.4%	0	498	498	
45.7%	0	496	496	
46.9%	0	491	491	
48.1%	0	491	491	
49.4%	0	490	490	
50.6%	0	490	490	
51.9%	0	488	488	
53.1%	0	487	487	
54.3%	0	487	487	
55.6%	0	485	485	
56.8%	0	483	483	
58.0%	0	483	483	
59.3%	0	481	481	
60.5%	0	477	477	
61.7%	0	474	474	
63.0%	0	474	474	
64.2%	0	473	473	
65.4%	0	472	472	
66.7%	0	470	470	
67.9%	0	469	469	
69.1%	0	468	468	
70.4%	0	467	467	
71.6%	0	455	455	
72.8%	0	454	454	
74.1%	0	453	453	
75.3%	0	452	452	
76.5%	0	444	444	
77.8%	0	443	443	
79.0%	0	442	442	
80.2%	0	441	441	
81.5%	0	435	435	
82.7%	0	434	434	
84.0%	0	433	433	
85.2%	0	431	431	
86.4%	0	431	431	
87.7%	0	430	430	
88.9%	0	429	429	
90.1%	0	417	417	
91.4%	0	416	416	
92.6%	0	403	403	
93.8%	0	397	397	
95.1%	0	392	392	
96.3%	0	388	388	
97.5%	0	385	385	
98.8%	0	378	378	
100.0%	0	370	370	

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	520	520	
25.9%	0	520	520	
27.2%	0	520	520	
28.4%	0	520	520	
29.6%	0	520	520	
30.9%	0	520	520	
32.1%	0	520	520	
33.3%	0	520	520	
34.6%	0	520	520	
35.8%	0	519	519	
37.0%	0	518	518	
38.3%	0	518	518	
39.5%	0	517	517	
40.7%	0	517	517	
42.0%	0	517	517	
43.2%	0	517	517	
44.4%	0	515	515	
45.7%	0	515	515	
46.9%	0	515	515	
48.1%	0	513	513	
49.4%	0	511	511	
50.6%	0	511	511	
51.9%	0	511	511	
53.1%	0	511	511	
54.3%	0	501	501	
55.6%	0	498	498	
56.8%	0	498	498	
58.0%	0	497	497	
59.3%	0	497	497	
60.5%	0	494	494	
61.7%	0	492	492	
63.0%	0	489	489	
64.2%	0	486	486	
65.4%	0	483	483	
66.7%	0	480	480	
67.9%	0	479	479	
69.1%	0	474	474	
70.4%	0	473	473	
71.6%	0	473	473	
72.8%	0	473	473	
74.1%	0	472	472	
75.3%	0	470	470	
76.5%	0	467	467	
77.8%	0	462	462	
79.0%	0	460	460	
80.2%	0	455	455	
81.5%	0	452	452	
82.7%	0	448	448	
84.0%	0	441	441	
85.2%	0	436	436	
86.4%	0	434	434	
87.7%	0	434	434	
88.9%	0	434	434	
90.1%	0	432	432	
91.4%	0	428	428	
92.6%	0	428	428	
93.8%	0	425	425	
95.1%	0	424	424	
96.3%	0	404	404	
97.5%	0	392	392	
98.8%	0	386	386	
100.0%	0	372	372	

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	520	520	
8.6%	0	520	520	
9.9%	0	520	520	
11.1%	0	520	520	
12.3%	0	520	520	
13.6%	0	520	520	
14.8%	0	520	520	
16.0%	0	520	520	
17.3%	0	520	520	
18.5%	0	520	520	
19.8%	0	520	520	
21.0%	0	520	520	
22.2%	0	520	520	
23.5%	0	520	520	
24.7%	0	519	519	
25.9%	0	519	519	
27.2%	0	519	519	
28.4%	0	519	519	
29.6%	0	519	519	
30.9%	0	519	519	
32.1%	0	519	519	
33.3%	0	519	519	
34.6%	0	518	518	
35.8%	0	518	518	
37.0%	0	518	518	
38.3%	0	517	517	
39.5%	0	517	517	
40.7%	0	517	517	
42.0%	0	517	517	
43.2%	0	517	517	
44.4%	0	516	516	
45.7%	0	513	513	
46.9%	0	513	513	
48.1%	0	512	512	
49.4%	0	511	511	
50.6%	0	510	510	
51.9%	0	509	509	
53.1%	0	509	509	
54.3%	0	509	509	
55.6%	0	505	505	
56.8%	0	498	498	
58.0%	0	495	495	
59.3%	0	495	495	
60.5%	0	494	494	
61.7%	0	492	492	
63.0%	0	491	491	
64.2%	0	489	489	
65.4%	0	488	488	
66.7%	0	483	483	
67.9%	0	477	477	
69.1%	0	474	474	
70.4%	0	472	472	
71.6%	0	471	471	
72.8%	0	469	469	
74.1%	0	468	468	
75.3%	0	466	466	
76.5%	0	465	465	
77.8%	0	462	462	
79.0%	0	461	461	
80.2%	0	460	460	
81.5%	0	451	451	
82.7%	0	447	447	
84.0%	0	447	447	
85.2%	0	446	446	
86.4%	0	441	441	
87.7%	0	434	434	
88.9%	0	433	433	
90.1%	0	429	429	
91.4%	0	425	425	
92.6%	0	424	424	
93.8%	0	420	420	
95.1%	0	418	418	
96.3%	0	415	415	
97.5%	0	380	380	
98.8%	0	377	377	
100.0%	0	369	369	

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	520	520	
3.7%	0	520	520	
4.9%	0	520	520	
6.2%	0	520	520	
7.4%	0	519	519	
8.6%	0	518	518	
9.9%	0	517	517	
11.1%	0	517	517	
12.3%	0	517	517	
13.6%	0	517	517	
14.8%	0	517	517	
16.0%	0	517	517	
17.3%	0	516	516	
18.5%	0	516	516	
19.8%	0	516	516	
21.0%	0	516	516	
22.2%	0	516	516	
23.5%	0	516	516	
24.7%	0	516	516	
25.9%	0	515	515	
27.2%	0	515	515	
28.4%	0	515	515	
29.6%	0	515	515	
30.9%	0	515	515	
32.1%	0	515	515	
33.3%	0	515	515	
34.6%	0	515	515	
35.8%	0	515	515	
37.0%	0	515	515	
38.3%	0	514	514	
39.5%	0	514	514	
40.7%	0	514	514	
42.0%	0	513	513	
43.2%	0	513	513	
44.4%	0	512	512	
45.7%	0	512	512	
46.9%	0	511	511	
48.1%	0	508	508	
49.4%	0	508	508	
50.6%	0	508	508	
51.9%	0	507	507	
53.1%	0	506	506	
54.3%	0	505	505	
55.6%	0	503	503	
56.8%	0	499	499	
58.0%	0	496	496	
59.3%	0	492	492	
60.5%	0	489	489	
61.7%	0	488	488	
63.0%	0	487	487	
64.2%	0	485	485	
65.4%	0	484	484	
66.7%	0	481	481	
67.9%	0	470	470	
69.1%	0	470	470	
70.4%	0	469	469	
71.6%	0	469	469	
72.8%	0	467	467	
74.1%	0	466	466	
75.3%	0	465	465	
76.5%	0	463	463	
77.8%	0	460	460	
79.0%	0	458	458	
80.2%	0	454	454	
81.5%	0	452	452	
82.7%	0	444	444	
84.0%	0	443	443	
85.2%	0	440	440	
86.4%	0	433	433	
87.7%	0	430	430	
88.9%	0	428	428	
90.1%	0	421	421	
91.4%	0	420	420	
92.6%	0	417	417	
93.8%	0	406	406	
95.1%	0	401	401	
96.3%	0	400	400	
97.5%	0	375	375	
98.8%	0	367	367	
100.0%	0	345	345	

Table OP-10-b

Sites Reservoir, End of Month Elevation
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	520	520	
2.5%	0	518	518	
3.7%	0	517	517	
4.9%	0	516	516	
6.2%	0	516	516	
7.4%	0	516	516	
8.6%	0	514	514	
9.9%	0	514	514	
11.1%	0	512	512	
12.3%	0	510	510	
13.6%	0	510	510	
14.8%	0	509	509	
16.0%	0	508	508	
17.3%	0	508	508	
18.5%	0	507	507	
19.8%	0	506	506	
21.0%	0	506	506	
22.2%	0	505	505	
23.5%	0	505	505	
24.7%	0	505	505	
25.9%	0	505	505	
27.2%	0	505	505	
28.4%	0	505	505	
29.6%	0	504	504	
30.9%	0	503	503	
32.1%	0	503	503	
33.3%	0	503	503	
34.6%	0	503	503	
35.8%	0	502	502	
37.0%	0	502	502	
38.3%	0	502	502	
39.5%	0	502	502	
40.7%	0	502	502	
42.0%	0	501	501	
43.2%	0	501	501	
44.4%	0	501	501	
45.7%	0	499	499	
46.9%	0	499	499	
48.1%	0	498	498	
49.4%	0	497	497	
50.6%	0	495	495	
51.9%	0	494	494	
53.1%	0	492	492	
54.3%	0	492	492	
55.6%	0	491	491	
56.8%	0	490	490	
58.0%	0	490	490	
59.3%	0	481	481	
60.5%	0	481	481	
61.7%	0	481	481	
63.0%	0	478	478	
64.2%	0	475	475	
65.4%	0	474	474	
66.7%	0	473	473	
67.9%	0	473	473	
69.1%	0	466	466	
70.4%	0	465	465	
71.6%	0	461	461	
72.8%	0	456	456	
74.1%	0	453	453	
75.3%	0	452	452	
76.5%	0	452	452	
77.8%	0	449	449	
79.0%	0	443	443	
80.2%	0	443	443	
81.5%	0	442	442	
82.7%	0	440	440	
84.0%	0	427	427	
85.2%	0	427	427	
86.4%	0	427	427	
87.7%	0	422	422	
88.9%	0	419	419	
90.1%	0	418	418	
91.4%	0	417	417	
92.6%	0	413	413	
93.8%	0	395	395	
95.1%	0	389	389	
96.3%	0	380	380	
97.5%	0	366	366	
98.8%	0	357	357	
100.0%	0	344	344	

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	517	517	
2.5%	0	516	516	
3.7%	0	516	516	
4.9%	0	515	515	
6.2%	0	513	513	
7.4%	0	512	512	
8.6%	0	510	510	
9.9%	0	509	509	
11.1%	0	508	508	
12.3%	0	505	505	
13.6%	0	505	505	
14.8%	0	504	504	
16.0%	0	504	504	
17.3%	0	502	502	
18.5%	0	502	502	
19.8%	0	499	499	
21.0%	0	499	499	
22.2%	0	499	499	
23.5%	0	498	498	
24.7%	0	498	498	
25.9%	0	497	497	
27.2%	0	496	496	
28.4%	0	492	492	
29.6%	0	492	492	
30.9%	0	491	491	
32.1%	0	491	491	
33.3%	0	490	490	
34.6%	0	490	490	
35.8%	0	489	489	
37.0%	0	487	487	
38.3%	0	487	487	
39.5%	0	487	487	
40.7%	0	486	486	
42.0%	0	486	486	
43.2%	0	486	486	
44.4%	0	486	486	
45.7%	0	485	485	
46.9%	0	485	485	
48.1%	0	484	484	
49.4%	0	484	484	
50.6%	0	483	483	
51.9%	0	479	479	
53.1%	0	479	479	
54.3%	0	479	479	
55.6%	0	479	479	
56.8%	0	477	477	
58.0%	0	477	477	
59.3%	0	476	476	
60.5%	0	476	476	
61.7%	0	474	474	
63.0%	0	467	467	
64.2%	0	466	466	
65.4%	0	462	462	
66.7%	0	459	459	
67.9%	0	458	458	
69.1%	0	450	450	
70.4%	0	448	448	
71.6%	0	444	444	
72.8%	0	442	442	
74.1%	0	442	442	
75.3%	0	435	435	
76.5%	0	435	435	
77.8%	0	433	433	
79.0%	0	433	433	
80.2%	0	433	433	
81.5%	0	430	430	
82.7%	0	428	428	
84.0%	0	427	427	
85.2%	0	423	423	
86.4%	0	423	423	
87.7%	0	423	423	
88.9%	0	418	418	
90.1%	0	414	414	
91.4%	0	411	411	
92.6%	0	407	407	
93.8%	0	383	383	
95.1%	0	378	378	
96.3%	0	362	362	
97.5%	0	357	357	
98.8%	0	347	347	
100.0%	0	346	346	

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	520	520	
1.2%	0	517	517	
2.5%	0	512	512	
3.7%	0	511	511	
4.9%	0	510	510	
6.2%	0	509	509	
7.4%	0	507	507	
8.6%	0	505	505	
9.9%	0	504	504	
11.1%	0	503	503	
12.3%	0	502	502	
13.6%	0	502	502	
14.8%	0	501	501	
16.0%	0	501	501	
17.3%	0	501	501	
18.5%	0	500	500	
19.8%	0	499	499	
21.0%	0	496	496	
22.2%	0	494	494	
23.5%	0	494	494	
24.7%	0	493	493	
25.9%	0	493	493	
27.2%	0	493	493	
28.4%	0	488	488	
29.6%	0	488	488	
30.9%	0	487	487	
32.1%	0	486	486	
33.3%	0	486	486	
34.6%	0	485	485	
35.8%	0	483	483	
37.0%	0	482	482	
38.3%	0	482	482	
39.5%	0	481	481	
40.7%	0	480	480	
42.0%	0	479	479	
43.2%	0	478	478	
44.4%	0	478	478	
45.7%	0	477	477	
46.9%	0	476	476	
48.1%	0	474	474	
49.4%	0	473	473	
50.6%	0	473	473	
51.9%	0	472	472	
53.1%	0	471	471	
54.3%	0	470	470	
55.6%	0	468	468	
56.8%	0	467	467	
58.0%	0	465	465	
59.3%	0	465	465	
60.5%	0	461	461	
61.7%	0	460	460	
63.0%	0	460	460	
64.2%	0	460	460	
65.4%	0	458	458	
66.7%	0	454	454	
67.9%	0	450	450	
69.1%	0	442	442	
70.4%	0	440	440	
71.6%	0	438	438	
72.8%	0	433	433	
74.1%	0	431	431	
75.3%	0	429	429	
76.5%	0	426	426	
77.8%	0	421	421	
79.0%	0	419	419	
80.2%	0	418	418	
81.5%	0	418	418	
82.7%	0	417	417	
84.0%	0	416	416	
85.2%	0	412	412	
86.4%	0	411	411	
87.7%	0	410	410	
88.9%	0	408	408	
90.1%	0	404	404	
91.4%	0	402	402	
92.6%	0	397	397	
93.8%	0	370	370	
95.1%	0	363	363	
96.3%	0	346	346	
97.5%	0	344	344	
98.8%	0	333	333	
100.0%	0	327	327	

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	0	511	511	
1.2%	0	510	510	
2.5%	0	508	508	
3.7%	0	508	508	
4.9%	0	506	506	
6.2%	0	505	505	
7.4%	0	501	501	
8.6%	0	499	499	
9.9%	0	499	499	
11.1%	0	497	497	
12.3%	0	497	497	
13.6%	0	497	497	
14.8%	0	496	496	
16.0%	0	495	495	
17.3%	0	494	494	
18.5%	0	494	494	
19.8%	0	492	492	
21.0%	0	491	491	
22.2%	0	489	489	
23.5%	0	489	489	
24.7%	0	485	485	
25.9%	0	483	483	
27.2%	0	483	483	
28.4%	0	483	483	
29.6%	0	480	480	
30.9%	0	478	478	
32.1%	0	477	477	
33.3%	0	476	476	
34.6%	0	476	476	
35.8%	0	476	476	
37.0%	0	474	474	
38.3%	0	474	474	
39.5%	0	473	473	
40.7%	0	472	472	
42.0%	0	472	472	
43.2%	0	470	470	
44.4%	0	468	468	
45.7%	0	468	468	
46.9%	0	468	468	
48.1%	0	467	467	
49.4%	0	466	466	
50.6%	0	464	464	
51.9%	0	464	464	
53.1%	0	463	463	
54.3%	0	461	461	
55.6%	0	460	460	
56.8%	0	459	459	
58.0%	0	459	459	
59.3%	0	458	458	
60.5%	0	457	457	
61.7%	0	452	452	
63.0%	0	451	451	
64.2%	0	451	451	
65.4%	0	448	448	
66.7%	0	448	448	
67.9%	0	444	444	
69.1%	0	439	439	
70.4%	0	437	437	
71.6%	0	433	433	
72.8%	0	426	426	
74.1%	0	421	421	
75.3%	0	419	419	
76.5%	0	416	416	
77.8%	0	416	416	
79.0%	0	412	412	
80.2%	0	410	410	
81.5%	0	410	410	
82.7%	0	409	409	
84.0%	0	406	406	
85.2%	0	406	406	
86.4%	0	404	404	
87.7%	0	403	403	
88.9%	0	398	398	
90.1%	0	398	398	
91.4%	0	395	395	
92.6%	0	384	384	
93.8%	0	366	366	
95.1%	0	353	353	
96.3%	0	346	346	
97.5%	0	337	337	
98.8%	0	326	326	
100.0%	0	324	324	

Figure OP-11-b
Sites Reservoir, End of Month Area
Probability of Exceedance

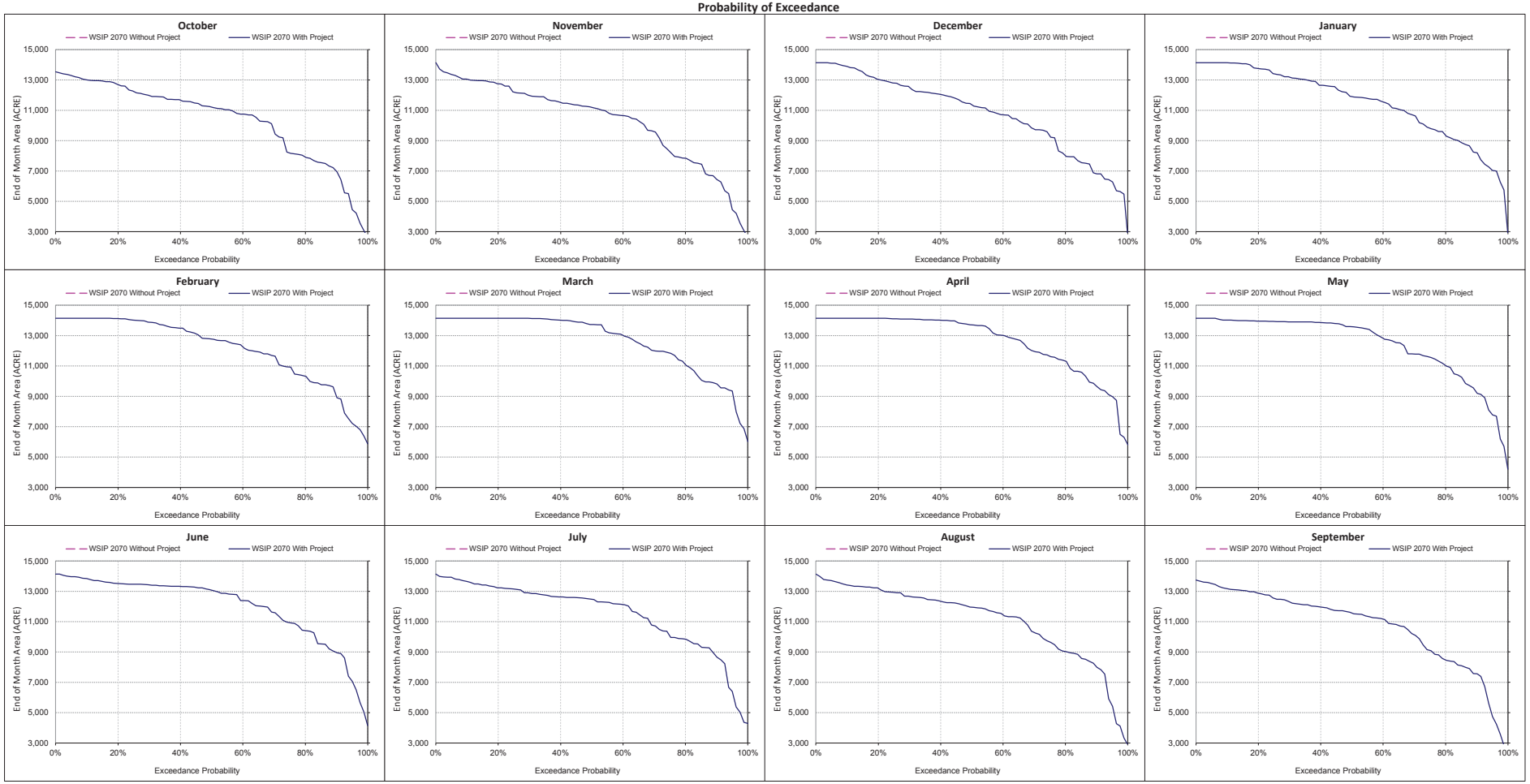


Table OP-11-b

Sites Reservoir, End of Month Area
Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	13,535	13,535	
1.2%	0	13,465	13,465	
2.5%	0	13,403	13,403	
3.7%	0	13,368	13,368	
4.9%	0	13,302	13,302	
6.2%	0	13,217	13,217	
7.4%	0	13,171	13,171	
8.6%	0	13,061	13,061	
9.9%	0	13,001	13,001	
11.1%	0	12,971	12,971	
12.3%	0	12,961	12,961	
13.6%	0	12,951	12,951	
14.8%	0	12,941	12,941	
16.0%	0	12,883	12,883	
17.3%	0	12,880	12,880	
18.5%	0	12,842	12,842	
19.8%	0	12,721	12,721	
21.0%	0	12,607	12,607	
22.2%	0	12,599	12,599	
23.5%	0	12,335	12,335	
24.7%	0	12,280	12,280	
25.9%	0	12,148	12,148	
27.2%	0	12,123	12,123	
28.4%	0	12,045	12,045	
29.6%	0	12,007	12,007	
30.9%	0	11,907	11,907	
32.1%	0	11,905	11,905	
33.3%	0	11,902	11,902	
34.6%	0	11,878	11,878	
35.8%	0	11,728	11,728	
37.0%	0	11,723	11,723	
38.3%	0	11,710	11,710	
39.5%	0	11,703	11,703	
40.7%	0	11,599	11,599	
42.0%	0	11,594	11,594	
43.2%	0	11,578	11,578	
44.4%	0	11,485	11,485	
45.7%	0	11,454	11,454	
46.9%	0	11,297	11,297	
48.1%	0	11,285	11,285	
49.4%	0	11,241	11,241	
50.6%	0	11,173	11,173	
51.9%	0	11,132	11,132	
53.1%	0	11,106	11,106	
54.3%	0	11,041	11,041	
55.6%	0	11,033	11,033	
56.8%	0	10,955	10,955	
58.0%	0	10,796	10,796	
59.3%	0	10,753	10,753	
60.5%	0	10,743	10,743	
61.7%	0	10,703	10,703	
63.0%	0	10,693	10,693	
64.2%	0	10,546	10,546	
65.4%	0	10,281	10,281	
66.7%	0	10,270	10,270	
67.9%	0	10,256	10,256	
69.1%	0	10,109	10,109	
70.4%	0	9,428	9,428	
71.6%	0	9,242	9,242	
72.8%	0	9,185	9,185	
74.1%	0	8,256	8,256	
75.3%	0	8,159	8,159	
76.5%	0	8,121	8,121	
77.8%	0	8,094	8,094	
79.0%	0	8,049	8,049	
80.2%	0	7,881	7,881	
81.5%	0	7,831	7,831	
82.7%	0	7,691	7,691	
84.0%	0	7,585	7,585	
85.2%	0	7,549	7,549	
86.4%	0	7,502	7,502	
87.7%	0	7,316	7,316	
88.9%	0	7,217	7,217	
90.1%	0	6,945	6,945	
91.4%	0	6,435	6,435	
92.6%	0	5,557	5,557	
93.8%	0	5,507	5,507	
95.1%	0	4,453	4,453	
96.3%	0	4,226	4,226	
97.5%	0	3,550	3,550	
98.8%	0	3,067	3,067	
100.0%	0	2,617	2,617	

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	13,733	13,733	
2.5%	0	13,545	13,545	
3.7%	0	13,466	13,466	
4.9%	0	13,367	13,367	
6.2%	0	13,305	13,305	
7.4%	0	13,172	13,172	
8.6%	0	13,064	13,064	
9.9%	0	13,062	13,062	
11.1%	0	12,989	12,989	
12.3%	0	12,967	12,967	
13.6%	0	12,953	12,953	
14.8%	0	12,949	12,949	
16.0%	0	12,946	12,946	
17.3%	0	12,874	12,874	
18.5%	0	12,859	12,859	
19.8%	0	12,744	12,744	
21.0%	0	12,739	12,739	
22.2%	0	12,605	12,605	
23.5%	0	12,595	12,595	
24.7%	0	12,221	12,221	
25.9%	0	12,157	12,157	
27.2%	0	12,136	12,136	
28.4%	0	12,114	12,114	
29.6%	0	12,005	12,005	
30.9%	0	11,927	11,927	
32.1%	0	11,904	11,904	
33.3%	0	11,901	11,901	
34.6%	0	11,892	11,892	
35.8%	0	11,715	11,715	
37.0%	0	11,645	11,645	
38.3%	0	11,625	11,625	
39.5%	0	11,550	11,550	
40.7%	0	11,462	11,462	
42.0%	0	11,460	11,460	
43.2%	0	11,424	11,424	
44.4%	0	11,366	11,366	
45.7%	0	11,339	11,339	
46.9%	0	11,271	11,271	
48.1%	0	11,256	11,256	
49.4%	0	11,222	11,222	
50.6%	0	11,159	11,159	
51.9%	0	11,113	11,113	
53.1%	0	11,027	11,027	
54.3%	0	10,973	10,973	
55.6%	0	10,793	10,793	
56.8%	0	10,711	10,711	
58.0%	0	10,697	10,697	
59.3%	0	10,670	10,670	
60.5%	0	10,646	10,646	
61.7%	0	10,595	10,595	
63.0%	0	10,455	10,455	
64.2%	0	10,420	10,420	
65.4%	0	10,231	10,231	
66.7%	0	10,080	10,080	
67.9%	0	9,681	9,681	
69.1%	0	9,660	9,660	
70.4%	0	9,572	9,572	
71.6%	0	9,179	9,179	
72.8%	0	8,693	8,693	
74.1%	0	8,473	8,473	
75.3%	0	8,220	8,220	
76.5%	0	7,956	7,956	
77.8%	0	7,922	7,922	
79.0%	0	7,847	7,847	
80.2%	0	7,841	7,841	
81.5%	0	7,699	7,699	
82.7%	0	7,548	7,548	
84.0%	0	7,506	7,506	
85.2%	0	7,446	7,446	
86.4%	0	6,809	6,809	
87.7%	0	6,715	6,715	
88.9%	0	6,688	6,688	
90.1%	0	6,429	6,429	
91.4%	0	6,276	6,276	
92.6%	0	5,690	5,690	
93.8%	0	5,508	5,508	
95.1%	0	4,449	4,449	
96.3%	0	4,216	4,216	
97.5%	0	3,554	3,554	
98.8%	0	3,059	3,059	
100.0%	0	2,611	2,611	

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,112	14,112	
6.2%	0	14,101	14,101	
7.4%	0	14,024	14,024	
8.6%	0	13,954	13,954	
9.9%	0	13,896	13,896	
11.1%	0	13,815	13,815	
12.3%	0	13,796	13,796	
13.6%	0	13,663	13,663	
14.8%	0	13,554	13,554	
16.0%	0	13,329	13,329	
17.3%	0	13,233	13,233	
18.5%	0	13,183	13,183	
19.8%	0	13,051	13,051	
21.0%	0	12,992	12,992	
22.2%	0	12,942	12,942	
23.5%	0	12,868	12,868	
24.7%	0	12,802	12,802	
25.9%	0	12,783	12,783	
27.2%	0	12,644	12,644	
28.4%	0	12,599	12,599	
29.6%	0	12,588	12,588	
30.9%	0	12,361	12,361	
32.1%	0	12,244	12,244	
33.3%	0	12,239	12,239	
34.6%	0	12,198	12,198	
35.8%	0	12,193	12,193	
37.0%	0	12,138	12,138	
38.3%	0	12,109	12,109	
39.5%	0	12,060	12,060	
40.7%	0	12,023	12,023	
42.0%	0	11,943	11,943	
43.2%	0	11,900	11,900	
44.4%	0	11,815	11,815	
45.7%	0	11,711	11,711	
46.9%	0	11,554	11,554	
48.1%	0	11,473	11,473	
49.4%	0	11,448	11,448	
50.6%	0	11,281	11,281	
51.9%	0	11,219	11,219	
53.1%	0	11,179	11,179	
54.3%	0	11,165	11,165	
55.6%	0	10,929	10,929	
56.8%	0	10,886	10,886	
58.0%	0	10,797	10,797	
59.3%	0	10,722	10,722	
60.5%	0	10,703	10,703	
61.7%	0	10,686	10,686	
63.0%	0	10,464	10,464	
64.2%	0	10,445	10,445	
65.4%	0	10,246	10,246	
66.7%	0	10,117	10,117	
67.9%	0	10,092	10,092	
69.1%	0	9,833	9,833	
70.4%	0	9,726	9,726	
71.6%	0	9,721	9,721	
72.8%	0	9,682	9,682	
74.1%	0	9,578	9,578	
75.3%	0	9,233	9,233	
76.5%	0	9,194	9,194	
77.8%	0	8,316	8,316	
79.0%	0	8,197	8,197	
80.2%	0	7,961	7,961	
81.5%	0	7,936	7,936	
82.7%	0	7,936	7,936	
84.0%	0	7,692	7,692	
85.2%	0	7,555	7,555	
86.4%	0	7,506	7,506	
87.7%	0	7,462	7,462	
88.9%	0	6,873	6,873	
90.1%	0	6,817	6,817	
91.4%	0	6,812	6,812	
92.6%	0	6,465	6,465	
93.8%	0	6,430	6,430	
95.1%	0	6,275	6,275	
96.3%	0	5,694	5,694	
97.5%	0	5,653	5,653	
98.8%	0	5,469	5,469	
100.0%	0	2,621	2,621	

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,119	14,119	
12.3%	0	14,118	14,118	
13.6%	0	14,110	14,110	
14.8%	0	14,077	14,077	
16.0%	0	14,068	14,068	
17.3%	0	13,999	13,999	
18.5%	0	13,803	13,803	
19.8%	0	13,757	13,757	
21.0%	0	13,726	13,726	
22.2%	0	13,707	13,707	
23.5%	0	13,662	13,662	
24.7%	0	13,421	13,421	
25.9%	0	13,365	13,365	
27.2%	0	13,342	13,342	
28.4%	0	13,214	13,214	
29.6%	0	13,212	13,212	
30.9%	0	13,122	13,122	
32.1%	0	13,118	13,118	
33.3%	0	13,056	13,056	
34.6%	0	13,051	13,051	
35.8%	0	13,000	13,000	
37.0%	0	12,930	12,930	
38.3%	0	12,908	12,908	
39.5%	0	12,647	12,647	
40.7%	0	12,641	12,641	
42.0%	0	12,609	12,609	
43.2%	0	12,583	12,583	
44.4%	0	12,561	12,561	
45.7%	0	12,328	12,328	
46.9%	0	12,216	12,216	
48.1%	0	12,194	12,194	
49.4%	0	11,935	11,935	
50.6%	0	11,886	11,886	
51.9%	0	11,860	11,860	
53.1%	0	11,838	11,838	
54.3%	0	11,809	11,809	
55.6%	0	11,753	11,753	
56.8%	0	11,724	11,724	
58.0%	0	11,719	11,719	
59.3%	0	11,604	11,604	
60.5%	0	11,514	11,514	
61.7%	0	11,411	11,411	
63.0%	0	11,163	11,163	
64.2%	0	11,125	11,125	
65.4%	0	11,044	11,044	
66.7%	0	10,988	10,988	
67.9%	0	10,804	10,804	
69.1%	0	10,719	10,719	
70.4%	0	10,632	10,632	
71.6%	0	10,188	10,188	
72.8%	0	10,089	10,089	
74.1%	0	9,885	9,885	
75.3%	0	9,794	9,794	
76.5%	0	9,729	9,729	
77.8%	0	9,600	9,600	
79.0%	0	9,599	9,599	
80.2%	0	9,291	9,291	
81.5%	0	9,193	9,193	
82.7%	0	9,066	9,066	
84.0%	0	9,027	9,027	
85.2%	0	8,870	8,870	
86.4%	0	8,737	8,737	
87.7%	0	8,666	8,666	
88.9%	0	8,247	8,247	
90.1%	0	8,204	8,204	
91.4%	0	7,731	7,731	
92.6%	0	7,446	7,446	
93.8%	0	7,271	7,271	
95.1%	0	7,032	7,032	
96.3%	0	7,002	7,002	
97.5%	0	6,269	6,269	
98.8%	0	5,745	5,745	
100.0%	0	2,830	2,830	

Table OP-11-b

Sites Reservoir, End of Month Area
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,129	14,129	
19.8%	0	14,127	14,127	
21.0%	0	14,115	14,115	
22.2%	0	14,109	14,109	
23.5%	0	14,058	14,058	
24.7%	0	14,027	14,027	
25.9%	0	14,007	14,007	
27.2%	0	13,997	13,997	
28.4%	0	13,967	13,967	
29.6%	0	13,893	13,893	
30.9%	0	13,862	13,862	
32.1%	0	13,842	13,842	
33.3%	0	13,728	13,728	
34.6%	0	13,699	13,699	
35.8%	0	13,620	13,620	
37.0%	0	13,551	13,551	
38.3%	0	13,524	13,524	
39.5%	0	13,493	13,493	
40.7%	0	13,489	13,489	
42.0%	0	13,287	13,287	
43.2%	0	13,237	13,237	
44.4%	0	13,175	13,175	
45.7%	0	13,050	13,050	
46.9%	0	12,832	12,832	
48.1%	0	12,815	12,815	
49.4%	0	12,798	12,798	
50.6%	0	12,766	12,766	
51.9%	0	12,682	12,682	
53.1%	0	12,670	12,670	
54.3%	0	12,664	12,664	
55.6%	0	12,569	12,569	
56.8%	0	12,481	12,481	
58.0%	0	12,447	12,447	
59.3%	0	12,392	12,392	
60.5%	0	12,154	12,154	
61.7%	0	12,036	12,036	
63.0%	0	12,000	12,000	
64.2%	0	11,956	11,956	
65.4%	0	11,923	11,923	
66.7%	0	11,807	11,807	
67.9%	0	11,791	11,791	
69.1%	0	11,704	11,704	
70.4%	0	11,648	11,648	
71.6%	0	11,073	11,073	
72.8%	0	10,995	10,995	
74.1%	0	10,944	10,944	
75.3%	0	10,919	10,919	
76.5%	0	10,472	10,472	
77.8%	0	10,428	10,428	
79.0%	0	10,384	10,384	
80.2%	0	10,317	10,317	
81.5%	0	9,988	9,988	
82.7%	0	9,903	9,903	
84.0%	0	9,889	9,889	
85.2%	0	9,767	9,767	
86.4%	0	9,764	9,764	
87.7%	0	9,718	9,718	
88.9%	0	9,621	9,621	
90.1%	0	8,912	8,912	
91.4%	0	8,822	8,822	
92.6%	0	7,895	7,895	
93.8%	0	7,538	7,538	
95.1%	0	7,212	7,212	
96.3%	0	7,016	7,016	
97.5%	0	6,803	6,803	
98.8%	0	6,365	6,365	
100.0%	0	5,882	5,882	

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,137	14,137	
19.8%	0	14,137	14,137	
21.0%	0	14,137	14,137	
22.2%	0	14,137	14,137	
23.5%	0	14,137	14,137	
24.7%	0	14,137	14,137	
25.9%	0	14,137	14,137	
27.2%	0	14,137	14,137	
28.4%	0	14,137	14,137	
29.6%	0	14,137	14,137	
30.9%	0	14,133	14,133	
32.1%	0	14,131	14,131	
33.3%	0	14,122	14,122	
34.6%	0	14,118	14,118	
35.8%	0	14,092	14,092	
37.0%	0	14,062	14,062	
38.3%	0	14,036	14,036	
39.5%	0	14,020	14,020	
40.7%	0	14,015	14,015	
42.0%	0	14,006	14,006	
43.2%	0	13,981	13,981	
44.4%	0	13,922	13,922	
45.7%	0	13,891	13,891	
46.9%	0	13,889	13,889	
48.1%	0	13,802	13,802	
49.4%	0	13,732	13,732	
50.6%	0	13,725	13,725	
51.9%	0	13,724	13,724	
53.1%	0	13,715	13,715	
54.3%	0	13,287	13,287	
55.6%	0	13,182	13,182	
56.8%	0	13,151	13,151	
58.0%	0	13,113	13,113	
59.3%	0	13,095	13,095	
60.5%	0	12,967	12,967	
61.7%	0	12,893	12,893	
63.0%	0	12,758	12,758	
64.2%	0	12,584	12,584	
65.4%	0	12,466	12,466	
66.7%	0	12,311	12,311	
67.9%	0	12,252	12,252	
69.1%	0	12,045	12,045	
70.4%	0	11,990	11,990	
71.6%	0	11,975	11,975	
72.8%	0	11,970	11,970	
74.1%	0	11,902	11,902	
75.3%	0	11,827	11,827	
76.5%	0	11,696	11,696	
77.8%	0	11,408	11,408	
79.0%	0	11,324	11,324	
80.2%	0	11,044	11,044	
81.5%	0	10,900	10,900	
82.7%	0	10,686	10,686	
84.0%	0	10,338	10,338	
85.2%	0	10,061	10,061	
86.4%	0	9,947	9,947	
87.7%	0	9,944	9,944	
88.9%	0	9,898	9,898	
90.1%	0	9,820	9,820	
91.4%	0	9,565	9,565	
92.6%	0	9,555	9,555	
93.8%	0	9,417	9,417	
95.1%	0	9,356	9,356	
96.3%	0	7,989	7,989	
97.5%	0	7,214	7,214	
98.8%	0	6,861	6,861	
100.0%	0	6,019	6,019	

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,137	14,137	
8.6%	0	14,137	14,137	
9.9%	0	14,137	14,137	
11.1%	0	14,137	14,137	
12.3%	0	14,137	14,137	
13.6%	0	14,137	14,137	
14.8%	0	14,137	14,137	
16.0%	0	14,137	14,137	
17.3%	0	14,137	14,137	
18.5%	0	14,137	14,137	
19.8%	0	14,137	14,137	
21.0%	0	14,137	14,137	
22.2%	0	14,137	14,137	
23.5%	0	14,121	14,121	
24.7%	0	14,104	14,104	
25.9%	0	14,102	14,102	
27.2%	0	14,097	14,097	
28.4%	0	14,091	14,091	
29.6%	0	14,088	14,088	
30.9%	0	14,084	14,084	
32.1%	0	14,083	14,083	
33.3%	0	14,074	14,074	
34.6%	0	14,048	14,048	
35.8%	0	14,037	14,037	
37.0%	0	14,036	14,036	
38.3%	0	14,016	14,016	
39.5%	0	14,016	14,016	
40.7%	0	14,007	14,007	
42.0%	0	14,003	14,003	
43.2%	0	13,977	13,977	
44.4%	0	13,973	13,973	
45.7%	0	13,835	13,835	
46.9%	0	13,806	13,806	
48.1%	0	13,773	13,773	
49.4%	0	13,717	13,717	
50.6%	0	13,694	13,694	
51.9%	0	13,665	13,665	
53.1%	0	13,659	13,659	
54.3%	0	13,633	13,633	
55.6%	0	13,460	13,460	
56.8%	0	13,175	13,175	
58.0%	0	13,040	13,040	
59.3%	0	13,037	13,037	
60.5%	0	12,991	12,991	
61.7%	0	12,890	12,890	
63.0%	0	12,822	12,822	
64.2%	0	12,759	12,759	
65.4%	0	12,682	12,682	
66.7%	0	12,468	12,468	
67.9%	0	12,178	12,178	
69.1%	0	12,024	12,024	
70.4%	0	11,939	11,939	
71.6%	0	11,894	11,894	
72.8%	0	11,757	11,757	
74.1%	0	11,725	11,725	
75.3%	0	11,602	11,602	
76.5%	0	11,583	11,583	
77.8%	0	11,432	11,432	
79.0%	0	11,388	11,388	
80.2%	0	11,302	11,302	
81.5%	0	10,835	10,835	
82.7%	0	10,656	10,656	
84.0%	0	10,654	10,654	
85.2%	0	10,581	10,581	
86.4%	0	10,321	10,321	
87.7%	0	9,927	9,927	
88.9%	0	9,868	9,868	
90.1%	0	9,645	9,645	
91.4%	0	9,433	9,433	
92.6%	0	9,364	9,364	
93.8%	0	9,117	9,117	
95.1%	0	8,970	8,970	
96.3%	0	8,741	8,741	
97.5%	0	6,485	6,485	
98.8%	0	6,302	6,302	
100.0%	0	5,809	5,809	

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,137	14,137	
3.7%	0	14,137	14,137	
4.9%	0	14,137	14,137	
6.2%	0	14,137	14,137	
7.4%	0	14,076	14,076	
8.6%	0	14,032	14,032	
9.9%	0	14,018	14,018	
11.1%	0	14,018	14,018	
12.3%	0	14,000	14,000	
13.6%	0	13,985	13,985	
14.8%	0	13,984	13,984	
16.0%	0	13,984	13,984	
17.3%	0	13,967	13,967	
18.5%	0	13,966	13,966	
19.8%	0	13,962	13,962	
21.0%	0	13,955	13,955	
22.2%	0	13,949	13,949	
23.5%	0	13,942	13,942	
24.7%	0	13,935	13,935	
25.9%	0	13,926	13,926	
27.2%	0	13,923	13,923	
28.4%	0	13,914	13,914	
29.6%	0	13,907	13,907	
30.9%	0	13,905	13,905	
32.1%	0	13,905	13,905	
33.3%	0	13,903	13,903	
34.6%	0	13,902	13,902	
35.8%	0	13,898	13,898	
37.0%	0	13,897	13,897	
38.3%	0	13,878	13,878	
39.5%	0	13,865	13,865	
40.7%	0	13,860	13,860	
42.0%	0	13,835	13,835	
43.2%	0	13,832	13,832	
44.4%	0	13,797	13,797	
45.7%	0	13,777	13,777	
46.9%	0	13,713	13,713	
48.1%	0	13,603	13,603	
49.4%	0	13,598	13,598	
50.6%	0	13,587	13,587	
51.9%	0	13,539	13,539	
53.1%	0	13,519	13,519	
54.3%	0	13,460	13,460	
55.6%	0	13,402	13,402	
56.8%	0	13,211	13,211	
58.0%	0	13,056	13,056	
59.3%	0	12,904	12,904	
60.5%	0	12,750	12,750	
61.7%	0	12,716	12,716	
63.0%	0	12,654	12,654	
64.2%	0	12,538	12,538	
65.4%	0	12,525	12,525	
66.7%	0	12,352	12,352	
67.9%	0	11,799	11,799	
69.1%	0	11,799	11,799	
70.4%	0	11,783	11,783	
71.6%	0	11,776	11,776	
72.8%	0	11,681	11,681	
74.1%	0	11,632	11,632	
75.3%	0	11,552	11,552	
76.5%	0	11,462	11,462	
77.8%	0	11,322	11,322	
79.0%	0	11,187	11,187	
80.2%	0	10,992	10,992	
81.5%	0	10,915	10,915	
82.7%	0	10,473	10,473	
84.0%	0	10,418	10,418	
85.2%	0	10,257	10,257	
86.4%	0	9,848	9,848	
87.7%	0	9,708	9,708	
88.9%	0	9,552	9,552	
90.1%	0	9,195	9,195	
91.4%	0	9,129	9,129	
92.6%	0	8,900	8,900	
93.8%	0	8,099	8,099	
95.1%	0	7,782	7,782	
96.3%	0	7,697	7,697	
97.5%	0	6,185	6,185	
98.8%	0	5,707	5,707	
100.0%	0	4,201	4,201	

Table OP-11-b

Sites Reservoir, End of Month Area
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	14,137	14,137	
2.5%	0	14,050	14,050	
3.7%	0	14,003	14,003	
4.9%	0	13,970	13,970	
6.2%	0	13,962	13,962	
7.4%	0	13,935	13,935	
8.6%	0	13,865	13,865	
9.9%	0	13,851	13,851	
11.1%	0	13,783	13,783	
12.3%	0	13,706	13,706	
13.6%	0	13,701	13,701	
14.8%	0	13,653	13,653	
16.0%	0	13,614	13,614	
17.3%	0	13,584	13,584	
18.5%	0	13,542	13,542	
19.8%	0	13,528	13,528	
21.0%	0	13,505	13,505	
22.2%	0	13,481	13,481	
23.5%	0	13,471	13,471	
24.7%	0	13,470	13,470	
25.9%	0	13,469	13,469	
27.2%	0	13,466	13,466	
28.4%	0	13,453	13,453	
29.6%	0	13,427	13,427	
30.9%	0	13,403	13,403	
32.1%	0	13,394	13,394	
33.3%	0	13,367	13,367	
34.6%	0	13,366	13,366	
35.8%	0	13,341	13,341	
37.0%	0	13,340	13,340	
38.3%	0	13,336	13,336	
39.5%	0	13,330	13,330	
40.7%	0	13,318	13,318	
42.0%	0	13,316	13,316	
43.2%	0	13,300	13,300	
44.4%	0	13,286	13,286	
45.7%	0	13,226	13,226	
46.9%	0	13,224	13,224	
48.1%	0	13,169	13,169	
49.4%	0	13,104	13,104	
50.6%	0	13,041	13,041	
51.9%	0	12,971	12,971	
53.1%	0	12,877	12,877	
54.3%	0	12,872	12,872	
55.6%	0	12,819	12,819	
56.8%	0	12,804	12,804	
58.0%	0	12,779	12,779	
59.3%	0	12,395	12,395	
60.5%	0	12,394	12,394	
61.7%	0	12,379	12,379	
63.0%	0	12,209	12,209	
64.2%	0	12,051	12,051	
65.4%	0	12,023	12,023	
66.7%	0	11,998	11,998	
67.9%	0	11,966	11,966	
69.1%	0	11,631	11,631	
70.4%	0	11,588	11,588	
71.6%	0	11,352	11,352	
72.8%	0	11,091	11,091	
74.1%	0	10,968	10,968	
75.3%	0	10,921	10,921	
76.5%	0	10,882	10,882	
77.8%	0	10,732	10,732	
79.0%	0	10,438	10,438	
80.2%	0	10,400	10,400	
81.5%	0	10,363	10,363	
82.7%	0	10,262	10,262	
84.0%	0	9,545	9,545	
85.2%	0	9,523	9,523	
86.4%	0	9,517	9,517	
87.7%	0	9,210	9,210	
88.9%	0	9,075	9,075	
90.1%	0	8,949	8,949	
91.4%	0	8,898	8,898	
92.6%	0	8,603	8,603	
93.8%	0	7,409	7,409	
95.1%	0	7,060	7,060	
96.3%	0	6,492	6,492	
97.5%	0	5,655	5,655	
98.8%	0	5,025	5,025	
100.0%	0	4,146	4,146	

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	13,985	13,985	
2.5%	0	13,950	13,950	
3.7%	0	13,939	13,939	
4.9%	0	13,931	13,931	
6.2%	0	13,816	13,816	
7.4%	0	13,780	13,780	
8.6%	0	13,701	13,701	
9.9%	0	13,650	13,650	
11.1%	0	13,584	13,584	
12.3%	0	13,484	13,484	
13.6%	0	13,483	13,483	
14.8%	0	13,414	13,414	
16.0%	0	13,410	13,410	
17.3%	0	13,353	13,353	
18.5%	0	13,320	13,320	
19.8%	0	13,224	13,224	
21.0%	0	13,223	13,223	
22.2%	0	13,187	13,187	
23.5%	0	13,179	13,179	
24.7%	0	13,157	13,157	
25.9%	0	13,129	13,129	
27.2%	0	13,086	13,086	
28.4%	0	12,901	12,901	
29.6%	0	12,895	12,895	
30.9%	0	12,856	12,856	
32.1%	0	12,851	12,851	
33.3%	0	12,794	12,794	
34.6%	0	12,773	12,773	
35.8%	0	12,725	12,725	
37.0%	0	12,667	12,667	
38.3%	0	12,639	12,639	
39.5%	0	12,632	12,632	
40.7%	0	12,623	12,623	
42.0%	0	12,603	12,603	
43.2%	0	12,602	12,602	
44.4%	0	12,594	12,594	
45.7%	0	12,579	12,579	
46.9%	0	12,562	12,562	
48.1%	0	12,523	12,523	
49.4%	0	12,499	12,499	
50.6%	0	12,458	12,458	
51.9%	0	12,299	12,299	
53.1%	0	12,296	12,296	
54.3%	0	12,284	12,284	
55.6%	0	12,266	12,266	
56.8%	0	12,189	12,189	
58.0%	0	12,166	12,166	
59.3%	0	12,145	12,145	
60.5%	0	12,124	12,124	
61.7%	0	12,034	12,034	
63.0%	0	11,675	11,675	
64.2%	0	11,613	11,613	
65.4%	0	11,423	11,423	
66.7%	0	11,256	11,256	
67.9%	0	11,232	11,232	
69.1%	0	10,782	10,782	
70.4%	0	10,710	10,710	
71.6%	0	10,491	10,491	
72.8%	0	10,387	10,387	
74.1%	0	10,365	10,365	
75.3%	0	9,959	9,959	
76.5%	0	9,952	9,952	
77.8%	0	9,885	9,885	
79.0%	0	9,872	9,872	
80.2%	0	9,844	9,844	
81.5%	0	9,695	9,695	
82.7%	0	9,551	9,551	
84.0%	0	9,531	9,531	
85.2%	0	9,303	9,303	
86.4%	0	9,289	9,289	
87.7%	0	9,281	9,281	
88.9%	0	8,965	8,965	
90.1%	0	8,663	8,663	
91.4%	0	8,486	8,486	
92.6%	0	8,221	8,221	
93.8%	0	6,671	6,671	
95.1%	0	6,401	6,401	
96.3%	0	5,371	5,371	
97.5%	0	5,023	5,023	
98.8%	0	4,356	4,356	
100.0%	0	4,289	4,289	

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	14,137	14,137	
1.2%	0	13,983	13,983	
2.5%	0	13,772	13,772	
3.7%	0	13,748	13,748	
4.9%	0	13,710	13,710	
6.2%	0	13,634	13,634	
7.4%	0	13,574	13,574	
8.6%	0	13,492	13,492	
9.9%	0	13,417	13,417	
11.1%	0	13,383	13,383	
12.3%	0	13,338	13,338	
13.6%	0	13,331	13,331	
14.8%	0	13,311	13,311	
16.0%	0	13,277	13,277	
17.3%	0	13,276	13,276	
18.5%	0	13,230	13,230	
19.8%	0	13,225	13,225	
21.0%	0	13,077	13,077	
22.2%	0	12,979	12,979	
23.5%	0	12,951	12,951	
24.7%	0	12,936	12,936	
25.9%	0	12,910	12,910	
27.2%	0	12,910	12,910	
28.4%	0	12,689	12,689	
29.6%	0	12,680	12,680	
30.9%	0	12,632	12,632	
32.1%	0	12,619	12,619	
33.3%	0	12,594	12,594	
34.6%	0	12,554	12,554	
35.8%	0	12,459	12,459	
37.0%	0	12,437	12,437	
38.3%	0	12,420	12,420	
39.5%	0	12,376	12,376	
40.7%	0	12,310	12,310	
42.0%	0	12,260	12,260	
43.2%	0	12,250	12,250	
44.4%	0	12,239	12,239	
45.7%	0	12,182	12,182	
46.9%	0	12,119	12,119	
48.1%	0	12,045	12,045	
49.4%	0	11,967	11,967	
50.6%	0	11,949	11,949	
51.9%	0	11,915	11,915	
53.1%	0	11,894	11,894	
54.3%	0	11,839	11,839	
55.6%	0	11,717	11,717	
56.8%	0	11,674	11,674	
58.0%	0	11,582	11,582	
59.3%	0	11,559	11,559	
60.5%	0	11,384	11,384	
61.7%	0	11,330	11,330	
63.0%	0	11,322	11,322	
64.2%	0	11,315	11,315	
65.4%	0	11,237	11,237	
66.7%	0	11,013	11,013	
67.9%	0	10,772	10,772	
69.1%	0	10,374	10,374	
70.4%	0	10,250	10,250	
71.6%	0	10,161	10,161	
72.8%	0	9,884	9,884	
74.1%	0	9,735	9,735	
75.3%	0	9,630	9,630	
76.5%	0	9,475	9,475	
77.8%	0	9,193	9,193	
79.0%	0	9,070	9,070	
80.2%	0	9,011	9,011	
81.5%	0	8,954	8,954	
82.7%	0	8,909	8,909	
84.0%	0	8,850	8,850	
85.2%	0	8,568	8,568	
86.4%	0	8,518	8,518	
87.7%	0	8,380	8,380	
88.9%	0	8,256	8,256	
90.1%	0	7,988	7,988	
91.4%	0	7,830	7,830	
92.6%	0	7,548	7,548	
93.8%	0	5,914	5,914	
95.1%	0	5,429	5,429	
96.3%	0	4,282	4,282	
97.5%	0	4,128	4,128	
98.8%	0	3,340	3,340	
100.0%	0	2,869	2,869	

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	0	13,750	13,750	
1.2%	0	13,670	13,670	
2.5%	0	13,600	13,600	
3.7%	0	13,588	13,588	
4.9%	0	13,523	13,523	
6.2%	0	13,451	13,451	
7.4%	0	13,314	13,314	
8.6%	0	13,225	13,225	
9.9%	0	13,184	13,184	
11.1%	0	13,123	13,123	
12.3%	0	13,112	13,112	
13.6%	0	13,094	13,094	
14.8%	0	13,053	13,053	
16.0%	0	13,037	13,037	
17.3%	0	12,976	12,976	
18.5%	0	12,971	12,971	
19.8%	0	12,884	12,884	
21.0%	0	12,841	12,841	
22.2%	0	12,759	12,759	
23.5%	0	12,758	12,758	
24.7%	0	12,555	12,555	
25.9%	0	12,480	12,480	
27.2%	0	12,473	12,473	
28.4%	0	12,449	12,449	
29.6%	0	12,346	12,346	
30.9%	0	12,220	12,220	
32.1%	0	12,189	12,189	
33.3%	0	12,145	12,145	
34.6%	0	12,111	12,111	
35.8%	0	12,111	12,111	
37.0%	0	12,031	12,031	
38.3%	0	12,013	12,013	
39.5%	0	11,979	11,979	
40.7%	0	11,940	11,940	
42.0%	0	11,914	11,914	
43.2%	0	11,803	11,803	
44.4%	0	11,736	11,736	
45.7%	0	11,728	11,728	
46.9%	0	11,723	11,723	
48.1%	0	11,664	11,664	
49.4%	0	11,615	11,615	
50.6%	0	11,514	11,514	
51.9%	0	11,503	11,503	
53.1%	0	11,490	11,490	
54.3%	0	11,383	11,383	
55.6%	0	11,323	11,323	
56.8%	0	11,268	11,268	
58.0%	0	11,250	11,250	
59.3%	0	11,217	11,217	
60.5%	0	11,134	11,134	
61.7%	0	10,877	10,877	
63.0%	0	10,842	10,842	
64.2%	0	10,820	10,820	
65.4%	0	10,704	10,704	
66.7%	0	10,673	10,673	
67.9%	0	10,479	10,479	
69.1%	0	10,219	10,219	
70.4%	0	10,094	10,094	
71.6%	0	9,878	9,878	
72.8%	0	9,458	9,458	
74.1%	0	9,153	9,153	
75.3%	0	9,079	9,079	
76.5%	0	8,848	8,848	
77.8%	0	8,811	8,811	
79.0%	0	8,576	8,576	
80.2%	0	8,446	8,446	
81.5%	0	8,396	8,396	
82.7%	0	8,371	8,371	
84.0%	0	8,141	8,141	
85.2%	0	8,095	8,095	
86.4%	0	7,989	7,989	
87.7%	0	7,896	7,896	
88.9%	0	7,584	7,584	
90.1%	0	7,568	7,568	
91.4%	0	7,384	7,384	
92.6%	0	6,723	6,723	
93.8%	0	5,631	5,631	
95.1%	0	4,742	4,742	
96.3%	0	4,248	4,248	
97.5%	0	3,576	3,576	
98.8%	0	2,831	2,831	
100.0%	0	2,687	2,687	

SWP Deliveries

WSIP 2030 Without Project
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period[1]	62%	62%	96%
Water Year Types[2]			
Wet (30%)	86%	86%	100%
Above Normal (15%)	74%	74%	100%
Below Normal (21%)	60%	60%	100%
Dry (20%)	44%	44%	94%
Critical (15%)	25%	25%	83%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2030 Without Project
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	2,443	65	65
Water Year Types[2]			
Wet (30%)	3,315	65	120
Above Normal (15%)	2,912	70	87
Below Normal (21%)	2,434	91	54
Dry (20%)	1,819	47	15
Critical (15%)	1,044	49	12

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2030 Without Project
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	645	1,928	2,573
Water Year Types[2]			
Wet (30%)	923	2,577	3,500
Above Normal (15%)	766	2,302	3,068
Below Normal (21%)	625	1,954	2,579
Dry (20%)	443	1,438	1,881
Critical (15%)	252	853	1,105

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2030 Without Project
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period[1]	946
Water Year Types[2]	
Wet (30%)	975
Above Normal (15%)	983
Below Normal (21%)	980
Dry (20%)	937
Critical (15%)	817

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2030 Without Project
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period[1]	31	3	209	43	633	82	269	8	1,296
Water Year Types[2]									
Wet (30%)	37	5	279	60	906	115	368	11	1,720
Above Normal (15%)	36	4	250	51	752	97	319	9	1,550
Below Normal (21%)	33	3	214	42	614	80	267	8	1,319
Dry (20%)	25	2	155	31	435	59	198	6	970
Critical (15%)	15	1	89	17	248	33	115	3	583

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

With Project deliveries and allocation to SWP would be similar to Without Project

CVP Deliveries - Without Project (WSIP 2030)

WSIP 2030 Without Project

1-Central Valley Project (CVP) Allocation

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	47%	44%	78%	77%	98%	98%	98%
Water Year Types[2]							
Wet (30%)	75%	71%	91%	90%	100%	100%	100%
Above Normal (15%)	65%	57%	90%	82%	100%	100%	100%
Below Normal (21%)	44%	39%	76%	74%	100%	100%	100%
Dry (20%)	24%	23%	68%	67%	100%	100%	100%
Critical (15%)	11%	11%	60%	60%	88%	88%	88%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2030 Without Project

2-Central Valley Project (CVP) Contract Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	1,004	477	1,481	2,805	568
Water Year Types[2]					
Wet (30%)	1,617	491	2,108	2,800	588
Above Normal (15%)	1,300	488	1,788	2,831	584
Below Normal (21%)	898	463	1,361	2,836	585
Dry (20%)	517	469	986	2,869	572
Critical (15%)	258	468	726	2,659	485

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2030 Without Project

3-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)

Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Sites Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period[1]	433	0
Water Year Types[2]		
Wet (30%)	450	0
Above Normal (15%)	447	0
Below Normal (21%)	447	0
Dry (20%)	434	0
Critical (15%)	365	0

period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2030 Without Project
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	168	187	1,945	265	15	859	32	274	539
Water Year Types[2]									
Wet (30%)	262	211	1,926	430	18	875	53	262	872
Above Normal (15%)	231	212	1,957	342	16	874	41	260	685
Below Normal (21%)	155	184	1,961	231	15	874	29	264	483
Dry (20%)	85	167	1,996	135	13	873	17	288	280
Critical (15%)	41	146	1,885	69	12	774	8	310	140

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2030 Without Project
5-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region		Tulare Lake Hydrologic Region	
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)
Long-term						
Full Simulation Period[1]	158	0	263	0	12	0
Water Year Types[2]						
Wet (30%)	170	0	268	0	12	0
Above Normal (15%)	166	0	268	0	12	0
Below Normal (21%)	167	0	268	0	12	0
Dry (20%)	155	0	267	0	12	0
Critical (15%)	120	0	234	0	11	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

CVP Deliveries - With Project

WSIP 2030 With Project

1-Central Valley Project (CVP) Allocation

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	48%	44%	78%	76%	98%	98%	98%
Water Year Types[2]							
Wet (30%)	75%	71%	91%	89%	100%	100%	100%
Above Normal (15%)	65%	55%	91%	82%	100%	100%	100%
Below Normal (21%)	44%	37%	75%	74%	100%	100%	100%
Dry (20%)	25%	23%	68%	68%	100%	100%	100%
Critical (15%)	12%	12%	59%	59%	88%	88%	88%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2030 With Project

2-Central Valley Project (CVP) Contract Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	996	475	1,472	2,808	576
Water Year Types[2]					
Wet (30%)	1,608	490	2,098	2,799	591
Above Normal (15%)	1,280	488	1,768	2,833	587
Below Normal (21%)	871	461	1,331	2,837	593
Dry (20%)	529	468	997	2,867	586
Critical (15%)	263	464	727	2,685	498

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2030 With Project

3-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)

Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Sites Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period[1]	441	35
Water Year Types[2]		
Wet (30%)	454	53
Above Normal (15%)	450	47
Below Normal (21%)	456	38
Dry (20%)	448	21
Critical (15%)	377	1

period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2030 With Project
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	168	186	1,949	263	15	859	32	274	533
Water Year Types[2]									
Wet (30%)	261	210	1,925	428	18	875	53	262	865
Above Normal (15%)	231	212	1,958	335	16	875	41	260	673
Below Normal (21%)	154	183	1,962	225	15	875	28	263	464
Dry (20%)	88	166	1,994	139	13	873	17	288	285
Critical (15%)	41	142	1,910	70	12	774	8	310	144

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2030 With Project
5-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region		Tulare Lake Hydrologic Region	
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)
Long-term						
Full Simulation Period[1]	166	1	263	28	12	6
Water Year Types[2]						
Wet (30%)	173	1	268	42	12	10
Above Normal (15%)	170	1	267	37	12	9
Below Normal (21%)	176	1	268	30	12	7
Dry (20%)	169	0	267	17	12	4
Critical (15%)	131	0	235	1	11	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

CVP Deliveries - Comparison

Difference: WSIP 2030 With Project minus WSIP 2030 Without Project

1-Central Valley Project (CVP) Allocation

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	0%	0%	0%	0%	0%	0%	0%
Water Year Types[2]							
Wet (30%)	0%	0%	0%	0%	0%	0%	0%
Above Normal (15%)	0%	-1%	1%	0%	0%	0%	0%
Below Normal (21%)	0%	-1%	0%	0%	0%	0%	0%
Dry (20%)	1%	1%	0%	0%	0%	0%	0%
Critical (15%)	0%	0%	0%	0%	0%	0%	0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: WSIP 2030 With Project minus WSIP 2030 Without Project

2-Central Valley Project (CVP) Contract Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	-8	-2	-10	4	8
Water Year Types[2]					
Wet (30%)	-9	-1	-10	-1	3
Above Normal (15%)	-20	0	-20	1	3
Below Normal (21%)	-27	-2	-30	1	9
Dry (20%)	12	-1	11	-2	14
Critical (15%)	5	-4	2	26	12

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2030 Without Project

Difference: WSIP 2030 With Project minus WSIP 2030 Without Project

3-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)

Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Sites Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period[1]	8	35
Water Year Types[2]		
Wet (30%)	3	53
Above Normal (15%)	3	47
Below Normal (21%)	9	38
Dry (20%)	14	21
Critical (15%)	12	1

period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: WSIP 2030 With Project minus WSIP 2030 Without Project
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	0	-1	3	-2	0	0	0	0	-6
Water Year Types[2]									
Wet (30%)	-1	-1	-1	-1	0	0	0	0	-6
Above Normal (15%)	-1	0	1	-7	0	0	-1	0	-12
Below Normal (21%)	-1	-2	1	-7	0	0	-1	-1	-19
Dry (20%)	2	-1	-2	4	0	0	0	0	5
Critical (15%)	1	-4	26	1	0	0	0	0	4

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: WSIP 2030 With Project minus WSIP 2030 Without Project
5-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region		Tulare Lake Hydrologic Region	
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)
Long-term						
Full Simulation Period[1]	8	1	0	28	0	6
Water Year Types[2]						
Wet (30%)	3	1	0	42	0	10
Above Normal (15%)	4	1	-1	37	0	9
Below Normal (21%)	9	1	0	30	0	7
Dry (20%)	14	0	0	17	0	4
Critical (15%)	11	0	1	1	0	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Sites Reservoir Benefits

Difference: WSIP 2030 With Project minus WSIP 2030 Without Project

1-Sites Deliveries to Sacramento Valley Members

Long-term Average and Average by Water Year Type

Analysis Period	Sacramento Valley (Mar-Feb, TAF)
Long-term	
Full Simulation Period[1]	129
Water Year Types[2]	
Wet (30%)	62
Above Normal (15%)	118
Below Normal (21%)	155
Dry (20%)	186
Critical (15%)	165

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Includes Sites delivery to TCCA members, GCID, RD108, County of Colusa, and Western Canal WD

Difference: WSIP 2030 With Project minus WSIP 2030 Without Project

2-Sites Deliveries to South of Delta Members

Long-term Average and Average by Water Year Type

Analysis Period	M&I (Jan-Dec, TAF)	Ag (Jan-Dec, TAF)	Total (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	76	23	99
Water Year Types[2]			
Wet (30%)	6	2	8
Above Normal (15%)	-2	-1	-2
Below Normal (21%)	77	23	100
Dry (20%)	171	52	223
Critical (15%)	163	50	213

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Accounts for 18% deduction for carriage water for Delta Export

SWP Deliveries

WSIP 2070 Without Project
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period[1]	57%	57%	91%
Water Year Types[2]			
Wet (32%)	81%	81%	100%
Above Normal (13%)	73%	73%	100%
Below Normal (16%)	56%	56%	94%
Dry (24%)	37%	37%	88%
Critical (15%)	20%	20%	67%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2070 Without Project
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	2,262	63	72
Water Year Types[2]			
Wet (32%)	3,165	66	159
Above Normal (13%)	2,834	53	81
Below Normal (16%)	2,268	94	33
Dry (24%)	1,534	60	17
Critical (15%)	819	29	12

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2070 Without Project
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	597	1,801	2,398
Water Year Types[2]			
Wet (32%)	894	2,496	3,390
Above Normal (13%)	741	2,227	2,968
Below Normal (16%)	564	1,831	2,395
Dry (24%)	370	1,241	1,611
Critical (15%)	195	666	861

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2070 Without Project
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period[1]	906
Water Year Types[2]	
Wet (32%)	975
Above Normal (13%)	983
Below Normal (16%)	934
Dry (24%)	887
Critical (15%)	680

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2070 Without Project
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period[1]	29	3	198	39	586	75	248	7	1,211
Water Year Types[2]									
Wet (32%)	37	5	269	57	878	108	349	11	1,676
Above Normal (13%)	36	4	247	51	728	97	308	9	1,488
Below Normal (16%)	31	3	199	38	554	74	249	7	1,240
Dry (24%)	22	2	142	25	363	49	168	5	834
Critical (15%)	12	1	78	13	191	26	89	2	448

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

With Project deliveries and allocation to SWP would be similar to Without Project

CVP Deliveries - Without Project (WSIP 2070)

WSIP 2070 Without Project

1-Central Valley Project (CVP) Allocation

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	30%	29%	71%	71%	98%	98%	98%
Water Year Types[2]							
Wet (32%)	52%	52%	83%	83%	100%	100%	100%
Below Normal (16%)	38%	37%	75%	75%	100%	100%	100%
Below Normal (16%)	25%	24%	71%	71%	100%	100%	100%
Dry (24%)	14%	14%	63%	63%	100%	100%	100%
Critical (15%)	4%	4%	54%	54%	88%	88%	88%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2070 Without Project

2-Central Valley Project (CVP) Contract Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	662	452	1,115	2,799	563
Water Year Types[2]					
Wet (32%)	1,171	465	1,636	2,802	585
Above Normal (13%)	842	449	1,291	2,832	585
Below Normal (16%)	531	449	981	2,840	581
Dry (24%)	317	448	765	2,871	565
Critical (15%)	83	439	523	2,612	472

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2070 Without Project

3-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)

Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Sites Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period[1]	429	0
Water Year Types[2]		
Wet (32%)	448	0
Above Normal (13%)	447	0
Below Normal (16%)	443	0
Dry (24%)	428	0
Critical (15%)	352	0

period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2070 Without Project
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	105	172	1,941	176	14	859	21	267	360
Water Year Types[2]									
Wet (32%)	181	195	1,928	311	17	874	38	254	641
Above Normal (13%)	134	185	1,958	224	15	874	27	249	458
Below Normal (16%)	90	173	1,967	141	14	873	17	262	284
Dry (24%)	50	155	1,997	84	13	874	10	280	173
Critical (15%)	13	130	1,839	22	10	773	3	299	46

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2070 Without Project
5-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region		Tulare Lake Hydrologic Region	
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)
Long-term						
Full Simulation Period[1]	156	0	261	0	12	0
Water Year Types[2]						
Wet (32%)	168	0	267	0	12	0
Above Normal (13%)	167	0	268	0	12	0
Below Normal (16%)	165	0	266	0	12	0
Dry (24%)	151	0	265	0	12	0
Critical (15%)	115	0	226	0	10	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

CVP Deliveries - With Project

WSIP 2070 With Project

1-Central Valley Project (CVP) Allocation

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	30%	29%	71%	71%	98%	98%	98%
Water Year Types[2]							
Wet (32%)	52%	52%	84%	84%	100%	100%	100%
Above Normal (13%)	37%	37%	75%	75%	100%	100%	100%
Below Normal (16%)	26%	24%	72%	71%	100%	100%	100%
Dry (24%)	14%	13%	63%	62%	100%	100%	100%
Critical (15%)	4%	4%	54%	54%	88%	88%	88%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2070 With Project

2-Central Valley Project (CVP) Contract Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	664	452	1,117	2,800	573
Water Year Types[2]					
Wet (32%)	1,183	467	1,650	2,799	590
Above Normal (13%)	835	448	1,283	2,829	590
Below Normal (16%)	542	449	990	2,835	592
Dry (24%)	301	445	746	2,867	579
Critical (15%)	85	442	526	2,635	484

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2070 With Project

3-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)

Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Sites Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period[1]	438	31
Water Year Types[2]		
Wet (32%)	452	51
Above Normal (13%)	452	41
Below Normal (16%)	455	30
Dry (24%)	441	17
Critical (15%)	364	1

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2070 With Project
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	105	171	1,940	176	14	859	22	268	361
Water Year Types[2]									
Wet (32%)	182	196	1,924	315	17	874	39	255	648
Above Normal (13%)	133	183	1,955	222	15	874	27	250	454
Below Normal (16%)	92	173	1,961	143	14	874	18	262	289
Dry (24%)	49	153	1,993	81	12	874	10	280	162
Critical (15%)	13	130	1,861	22	11	773	3	301	47

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2070 With Project
5-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region		Tulare Lake Hydrologic Region	
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)
Long-term						
Full Simulation Period[1]	164	1	261	25	12	6
Water Year Types[2]						
Wet (32%)	172	1	268	41	12	9
Above Normal (13%)	172	1	268	33	12	7
Below Normal (16%)	176	1	267	24	12	5
Dry (24%)	164	0	265	14	12	3
Critical (15%)	125	0	229	1	11	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

CVP Deliveries - Comparison

Difference: WSIP 2070 With Project minus WSIP 2070 Without Project

1-Central Valley Project (CVP) Allocation

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period[1]	0%	0%	0%	0%	0%	0%	0%
Water Year Types[2]							
Wet (32%)	1%	1%	1%	1%	0%	0%	0%
Above Normal (13%)	0%	0%	0%	0%	0%	0%	0%
Below Normal (16%)	1%	0%	0%	0%	0%	0%	0%
Dry (24%)	0%	-1%	0%	-1%	0%	0%	0%
Critical (15%)	0%	0%	0%	0%	0%	0%	0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: WSIP 2070 With Project minus WSIP 2070 Without Project

2-Central Valley Project (CVP) Contract Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period[1]	2	0	2	0	9
Water Year Types[2]					
Wet (32%)	12	2	14	-3	5
Above Normal (13%)	-7	-1	-8	-3	5
Below Normal (16%)	10	-1	10	-5	12
Dry (24%)	-15	-3	-19	-4	14
Critical (15%)	1	2	4	23	13

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

WSIP 2070 Without Project

Difference: WSIP 2070 With Project minus WSIP 2070 Without Project

3-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)

Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Sites Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period[1]	9	31
Water Year Types[2]		
Wet (32%)	5	51
Above Normal (13%)	5	41
Below Normal (16%)	12	30
Dry (24%)	14	17
Critical (15%)	13	1

period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: WSIP 2070 With Project minus WSIP 2070 Without Project
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period[1]	0	-1	0	1	0	0	0	1	1
Water Year Types[2]									
Wet (32%)	1	1	-4	4	0	0	1	1	7
Above Normal (13%)	-1	-1	-3	-3	0	0	0	1	-4
Below Normal (16%)	2	-1	-5	3	0	1	0	0	5
Dry (24%)	-1	-3	-4	-3	0	0	0	0	-11
Critical (15%)	0	-1	23	0	0	0	0	2	1

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: WSIP 2070 With Project minus WSIP 2070 Without Project
5-Refuge Water Supplies (CVP Contract, Sites and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region		Tulare Lake Hydrologic Region	
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - Sites (Mar-Feb, TAF)
Long-term						
Full Simulation Period[1]	8	1	1	25	0	6
Water Year Types[2]						
Wet (32%)	4	1	0	41	0	9
Above Normal (13%)	5	1	0	33	0	7
Below Normal (16%)	11	1	0	24	0	5
Dry (24%)	13	0	0	14	0	3
Critical (15%)	10	0	3	1	0	0

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Sites Reservoir Benefits

Difference: WSIP 2070 With Project minus WSIP 2070 Without Project

1-Sites Deliveries to Sacramento Valley Members

Long-term Average and Average by Water Year Type

Analysis Period	(Mar-Feb, TAF)
Long-term	
Full Simulation Period[1]	155
Water Year Types[2]	
Wet (32%)	110
Above Normal (13%)	178
Below Normal (16%)	182
Dry (24%)	190
Critical (15%)	143

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Includes Sites delivery to TCCA members, GCID, RD108, County of Colusa, and Western Canal WD

Difference: WSIP 2070 With Project minus WSIP 2070 Without Project

2-Sites Deliveries to South of Delta Members

Long-term Average and Average by Water Year Type

Analysis Period	M&I (Jan-Dec, TAF)	Ag (Jan-Dec, TAF)	Total (Jan-Dec, TAF)
Long-term			
Full Simulation Period[1]	85	26	112
Water Year Types[2]			
Wet (32%)	1	0	1
Above Normal (13%)	22	7	29
Below Normal (16%)	56	17	73
Dry (24%)	226	69	295
Critical (15%)	119	36	155

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Accounts for 18% deduction for carriage water for Delta Export

Trinity and Sacramento River Basin Operations

Summary Tables and Bar Charts

Table SW-01-a
Trinity Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	1,268	1,277	1,362	1,494	1,635	1,763	1,897	1,826	1,737	1,590	1,439	1,320
WSIP 2030 With Project	1,259	1,271	1,358	1,494	1,637	1,764	1,898	1,827	1,743	1,598	1,436	1,312
Difference	-10	-6	-4	0	3	1	1	1	6	8	-3	-8
Percent Difference[3]	-0.8%	-0.5%	-0.3%	0.0%	0.2%	0.1%	0.1%	0.1%	0.4%	0.5%	-0.2%	-0.6%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	1,537	1,526	1,600	1,772	1,940	2,062	2,230	2,167	2,043	1,904	1,769	1,626
WSIP 2030 With Project	1,517	1,510	1,585	1,775	1,950	2,070	2,235	2,172	2,057	1,913	1,753	1,608
Difference	-20	-16	-15	3	10	8	5	5	13	9	-16	-18
Percent Difference	-1.3%	-1.1%	-0.9%	0.2%	0.5%	0.4%	0.2%	0.2%	0.6%	0.5%	-0.9%	-1.1%
Above Normal (14.6%)												
WSIP 2030 Without Project	1,457	1,458	1,512	1,637	1,817	1,994	2,149	2,057	1,970	1,810	1,655	1,511
WSIP 2030 With Project	1,469	1,481	1,537	1,632	1,819	2,002	2,158	2,067	1,988	1,838	1,679	1,527
Difference	12	23	25	-4	2	8	9	9	17	28	24	16
Percent Difference	0.8%	1.6%	1.7%	-0.3%	0.1%	0.4%	0.4%	0.5%	0.9%	1.6%	1.4%	1.0%
Below Normal (20.7%)												
WSIP 2030 Without Project	1,260	1,269	1,361	1,400	1,552	1,699	1,848	1,781	1,705	1,572	1,406	1,306
WSIP 2030 With Project	1,238	1,249	1,343	1,390	1,542	1,686	1,837	1,770	1,698	1,563	1,391	1,289
Difference	-22	-19	-18	-10	-10	-13	-11	-11	-7	-9	-14	-17
Percent Difference	-1.7%	-1.5%	-1.3%	-0.7%	-0.6%	-0.7%	-0.6%	-0.6%	-0.4%	-0.6%	-1.0%	-1.3%
Dry (19.5%)												
WSIP 2030 Without Project	1,085	1,127	1,274	1,368	1,478	1,615	1,720	1,636	1,549	1,376	1,211	1,104
WSIP 2030 With Project	1,078	1,123	1,269	1,369	1,480	1,603	1,710	1,626	1,543	1,387	1,210	1,093
Difference	-7	-4	-5	1	2	-12	-11	-11	-6	11	-1	-11
Percent Difference	-0.6%	-0.4%	-0.4%	0.1%	0.1%	-0.8%	-0.6%	-0.6%	-0.4%	0.8%	-0.1%	-1.0%
Critical (14.6%)												
WSIP 2030 Without Project	776	788	837	1,075	1,142	1,200	1,254	1,201	1,162	1,027	889	800
WSIP 2030 With Project	781	791	847	1,084	1,150	1,217	1,272	1,217	1,178	1,035	897	807
Difference	4	3	10	8	8	18	18	16	16	8	8	7
Percent Difference	0.5%	0.4%	1.2%	0.8%	0.7%	1.5%	1.4%	1.3%	1.4%	0.8%	0.9%	0.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-02-a
Trinity Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Elevation (FEET)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	2,279	2,280	2,288	2,301	2,313	2,323	2,333	2,327	2,321	2,309	2,295	2,284
WSIP 2030 With Project	2,278	2,280	2,288	2,301	2,313	2,323	2,333	2,328	2,321	2,309	2,295	2,284
Difference	-1	0	0	0	0	0	0	0	1	1	0	-1
Percent Difference[3]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	2,305	2,305	2,311	2,325	2,340	2,348	2,357	2,353	2,346	2,336	2,325	2,313
WSIP 2030 With Project	2,304	2,303	2,310	2,326	2,341	2,348	2,358	2,354	2,347	2,336	2,324	2,312
Difference	-2	-1	-1	0	1	1	0	0	1	1	-1	-2
Percent Difference	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%
Above Normal (14.6%)												
WSIP 2030 Without Project	2,299	2,299	2,304	2,313	2,329	2,342	2,352	2,346	2,340	2,329	2,316	2,303
WSIP 2030 With Project	2,300	2,301	2,306	2,313	2,329	2,343	2,353	2,347	2,342	2,331	2,318	2,305
Difference	1	2	2	0	0	1	1	1	1	2	2	1
Percent Difference	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%
Below Normal (20.7%)												
WSIP 2030 Without Project	2,281	2,282	2,290	2,293	2,307	2,319	2,331	2,326	2,320	2,309	2,294	2,285
WSIP 2030 With Project	2,279	2,280	2,288	2,292	2,306	2,318	2,330	2,325	2,319	2,308	2,293	2,284
Difference	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1	-2
Percent Difference	-0.1%	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%
Dry (19.5%)												
WSIP 2030 Without Project	2,262	2,266	2,280	2,290	2,300	2,312	2,321	2,314	2,307	2,291	2,276	2,265
WSIP 2030 With Project	2,262	2,266	2,280	2,291	2,300	2,311	2,320	2,313	2,306	2,292	2,276	2,264
Difference	-1	0	0	0	0	-1	-1	-1	0	1	0	-1
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%
Critical (14.6%)												
WSIP 2030 Without Project	2,225	2,227	2,234	2,261	2,268	2,274	2,279	2,274	2,271	2,256	2,238	2,228
WSIP 2030 With Project	2,226	2,228	2,236	2,262	2,269	2,276	2,281	2,276	2,272	2,257	2,240	2,230
Difference	1	1	2	1	1	2	2	2	2	1	2	2
Percent Difference	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.0%	0.1%	0.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-03-a
Trinity Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	End of Month Area (ACRE)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	10,500	10,556	11,038	11,744	12,473	13,098	13,700	13,379	12,979	12,246	11,440	10,792
WSIP 2030 With Project	10,449	10,526	11,022	11,745	12,489	13,105	13,709	13,387	13,007	12,288	11,425	10,751
Difference	-51	-31	-16	1	15	7	9	8	29	42	-15	-42
Percent Difference[3]	-0.5%	-0.3%	-0.1%	0.0%	0.1%	0.1%	0.1%	0.1%	0.2%	0.3%	-0.1%	-0.4%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	12,076	12,029	12,405	13,225	14,022	14,537	15,219	14,958	14,445	13,838	13,221	12,536
WSIP 2030 With Project	11,977	11,948	12,334	13,244	14,068	14,573	15,242	14,980	14,503	13,885	13,149	12,449
Difference	-99	-81	-71	19	46	35	22	22	58	47	-72	-87
Percent Difference	-0.8%	-0.7%	-0.6%	0.1%	0.3%	0.2%	0.1%	0.1%	0.4%	0.3%	-0.5%	-0.7%
Above Normal (14.6%)												
WSIP 2030 Without Project	11,661	11,655	11,952	12,490	13,389	14,218	14,875	14,497	14,134	13,428	12,693	11,965
WSIP 2030 With Project	11,731	11,788	12,095	12,489	13,418	14,264	14,920	14,545	14,212	13,559	12,813	12,053
Difference	70	133	143	0	28	46	45	48	78	131	120	88
Percent Difference	0.6%	1.1%	1.2%	0.0%	0.2%	0.3%	0.3%	0.3%	0.5%	1.0%	0.9%	0.7%
Below Normal (20.7%)												
WSIP 2030 Without Project	10,549	10,600	11,125	11,307	12,121	12,869	13,596	13,305	12,939	12,291	11,389	10,818
WSIP 2030 With Project	10,417	10,481	11,020	11,237	12,058	12,800	13,541	13,247	12,899	12,241	11,311	10,718
Difference	-132	-118	-105	-70	-63	-69	-55	-58	-40	-50	-77	-100
Percent Difference	-1.3%	-1.1%	-0.9%	-0.6%	-0.5%	-0.5%	-0.4%	-0.4%	-0.3%	-0.4%	-0.7%	-0.9%
Dry (19.5%)												
WSIP 2030 Without Project	9,435	9,688	10,526	11,126	11,766	12,480	12,993	12,588	12,155	11,205	10,240	9,581
WSIP 2030 With Project	9,392	9,662	10,504	11,142	11,782	12,422	12,954	12,547	12,120	11,262	10,223	9,504
Difference	-43	-26	-22	15	16	-58	-40	-42	-35	56	-17	-77
Percent Difference	-0.5%	-0.3%	-0.2%	0.1%	0.1%	-0.5%	-0.3%	-0.3%	-0.3%	0.5%	-0.2%	-0.8%
Critical (14.6%)												
WSIP 2030 Without Project	7,405	7,486	7,837	9,354	9,774	10,126	10,447	10,134	9,921	9,071	8,151	7,565
WSIP 2030 With Project	7,440	7,514	7,908	9,400	9,821	10,229	10,549	10,229	10,023	9,123	8,211	7,618
Difference	35	28	71	46	48	103	103	95	102	52	61	53
Percent Difference	0.5%	0.4%	0.9%	0.5%	0.5%	1.0%	1.0%	0.9%	1.0%	0.6%	0.7%	0.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

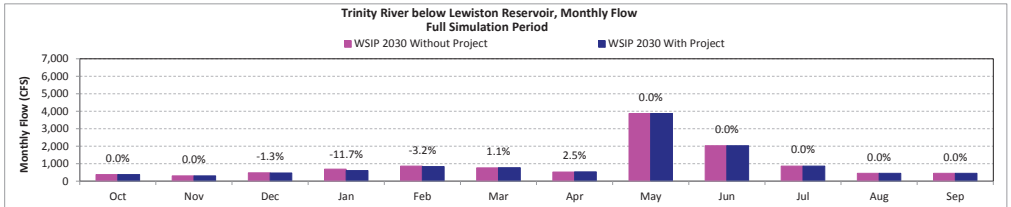
Table SW-04-a
Trinity River below Lewiston Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

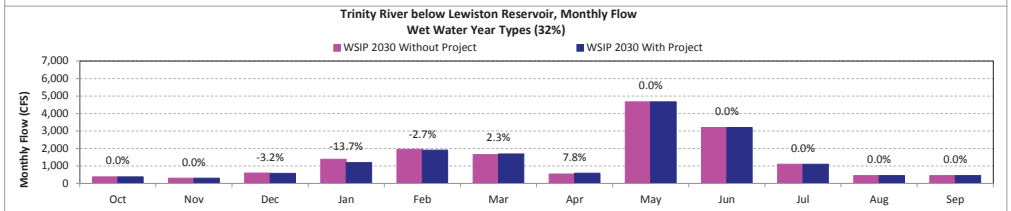
Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	373	300	479	688	867	767	523	3,867	2,024	863	450	450
WSIP 2030 With Project	373	300	473	608	839	775	536	3,867	2,024	863	450	450
Difference	0	0	-6	-80	-27	8	13	0	0	0	0	0
Percent Difference[3]	0.0%	0.0%	-1.3%	-11.7%	-3.2%	1.1%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	373	300	598	1,385	1,957	1,647	540	4,665	3,198	1,102	450	450
WSIP 2030 With Project	373	300	579	1,196	1,904	1,685	582	4,665	3,198	1,102	450	450
Difference	0	0	-19	-189	-53	38	42	0	0	0	0	0
Percent Difference	0.0%	0.0%	-3.2%	-13.7%	-2.7%	2.3%	7.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (14.6%)												
WSIP 2030 Without Project	373	300	775	694	721	686	466	4,622	2,458	1,102	450	450
WSIP 2030 With Project	373	300	775	538	645	662	466	4,622	2,458	1,102	450	450
Difference	0	0	0	-155	-76	-24	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	-22.4%	-10.6%	-3.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (20.7%)												
WSIP 2030 Without Project	373	300	300	300	300	300	504	3,834	1,720	872	450	450
WSIP 2030 With Project	373	300	300	300	300	300	504	3,834	1,720	872	450	450
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (19.5%)												
WSIP 2030 Without Project	373	300	398	300	300	300	528	3,240	1,117	613	450	450
WSIP 2030 With Project	373	300	395	300	300	300	528	3,240	1,117	613	450	450
Difference	0	0	-3	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	-0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (14.6%)												
WSIP 2030 Without Project	373	300	300	300	300	300	565	2,330	783	450	450	450
WSIP 2030 With Project	373	300	300	300	300	300	565	2,330	783	450	450	450
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

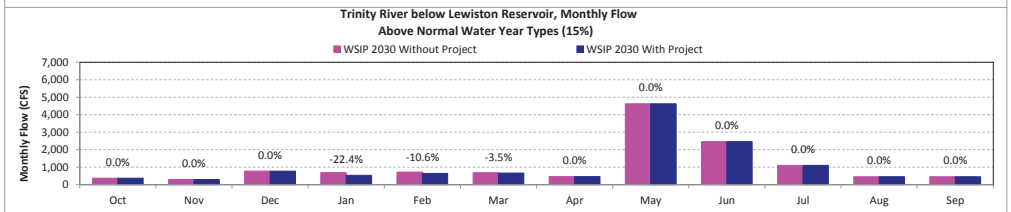
1 Based on the 82-year simulation period

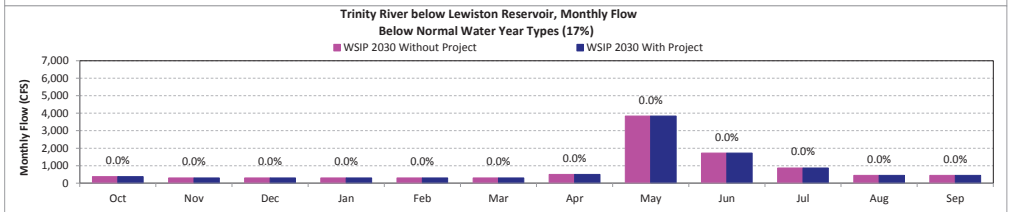
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

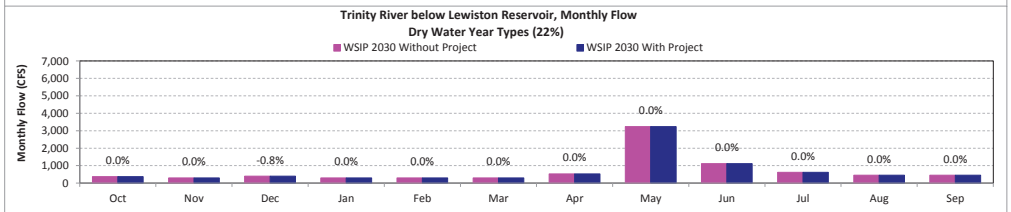
3 Relative difference of the monthly average











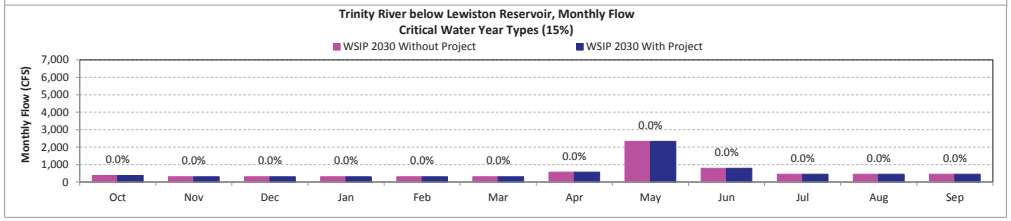


Table SW-05-a
Clear Creek Tunnel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	809	495	258	236	209	331	343	79	558	1,748	2,059	1,684
WSIP 2030 With Project	832	435	231	258	179	351	327	83	470	1,715	2,249	1,762
Difference	23	-60	-27	22	-29	20	-16	5	-88	-33	190	77
Percent Difference[3]	2.8%	-12.1%	-10.4%	9.5%	-14.0%	5.9%	-4.7%	5.8%	-15.8%	-1.9%	9.2%	4.6%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	1,270	935	434	438	298	559	477	0	212	1,489	1,812	2,090
WSIP 2030 With Project	1,298	875	429	493	232	555	477	0	79	1,559	2,220	2,120
Difference	28	-60	-5	56	-66	-3	0	0	-133	71	408	29
Percent Difference	2.2%	-6.4%	-1.2%	12.7%	-22.3%	-0.6%	0.0%		-62.8%	4.7%	22.5%	1.4%
Above Normal (14.6%)												
WSIP 2030 Without Project	1,072	758	407	131	111	353	281	0	337	1,688	2,124	2,030
WSIP 2030 With Project	1,127	573	367	111	67	285	257	0	201	1,508	2,201	2,163
Difference	55	-185	-39	-20	-45	-69	-25	0	-136	-181	76	133
Percent Difference	5.1%	-24.5%	-9.6%	-15.3%	-40.1%	-19.4%	-8.8%		-40.4%	-10.7%	3.6%	6.5%
Below Normal (20.7%)												
WSIP 2030 Without Project	618	294	120	144	106	111	216	71	531	1,445	2,292	1,410
WSIP 2030 With Project	691	250	94	156	97	156	184	71	466	1,476	2,382	1,462
Difference	74	-44	-25	12	-9	45	-32	0	-65	31	91	53
Percent Difference	11.9%	-15.0%	-21.3%	8.5%	-8.3%	40.5%	-14.8%	0.0%	-12.2%	2.2%	4.0%	3.7%
Dry (19.5%)												
WSIP 2030 Without Project	580	146	59	179	333	206	320	197	1,194	2,395	2,298	1,423
WSIP 2030 With Project	502	106	69	198	324	436	293	195	1,122	2,122	2,482	1,605
Difference	-77	-40	9	19	-9	230	-27	-2	-72	-273	184	181
Percent Difference	-13.3%	-27.5%		10.7%	-2.8%	111.4%	-8.4%	-1.2%	-6.0%	-11.4%	8.0%	12.7%
Critical (14.6%)												
WSIP 2030 Without Project	167	67	204	124	99	315	339	176	694	1,917	1,858	1,231
WSIP 2030 With Project	208	83	94	139	107	154	335	210	692	2,046	1,856	1,248
Difference	42	17	-110	15	8	-161	-5	34	-1	129	-2	17
Percent Difference	25.0%	25.0%	-53.8%	11.7%	8.4%	-51.1%	-1.3%	19.6%	-0.2%	6.7%	-0.1%	1.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-06-a
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	187	188	190	223	259	226	191	265	181	85	85	148
WSIP 2030 With Project	187	188	190	223	237	226	191	265	181	85	85	148
Difference	0	0	0	0	-22	0	0	0	0	0	0	0
Percent Difference[3]	0.0%	0.0%	0.0%	0.0%	-8.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	200	200	200	303	423	312	200	277	200	85	85	150
WSIP 2030 With Project	200	200	200	303	350	312	200	277	200	85	85	150
Difference	0	0	0	0	-72	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	-17.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (14.6%)												
WSIP 2030 Without Project	200	200	200	196	196	196	196	277	200	85	85	150
WSIP 2030 With Project	200	200	200	196	196	196	196	277	200	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (20.7%)												
WSIP 2030 Without Project	188	188	188	188	188	188	188	268	182	85	85	150
WSIP 2030 With Project	188	188	188	188	188	188	188	268	182	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (19.5%)												
WSIP 2030 Without Project	184	188	188	194	194	194	194	265	183	85	85	150
WSIP 2030 With Project	184	188	188	194	194	194	194	265	183	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (14.6%)												
WSIP 2030 Without Project	146	149	163	171	171	171	171	224	120	85	85	133
WSIP 2030 With Project	146	149	163	171	171	171	171	224	120	85	85	133
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

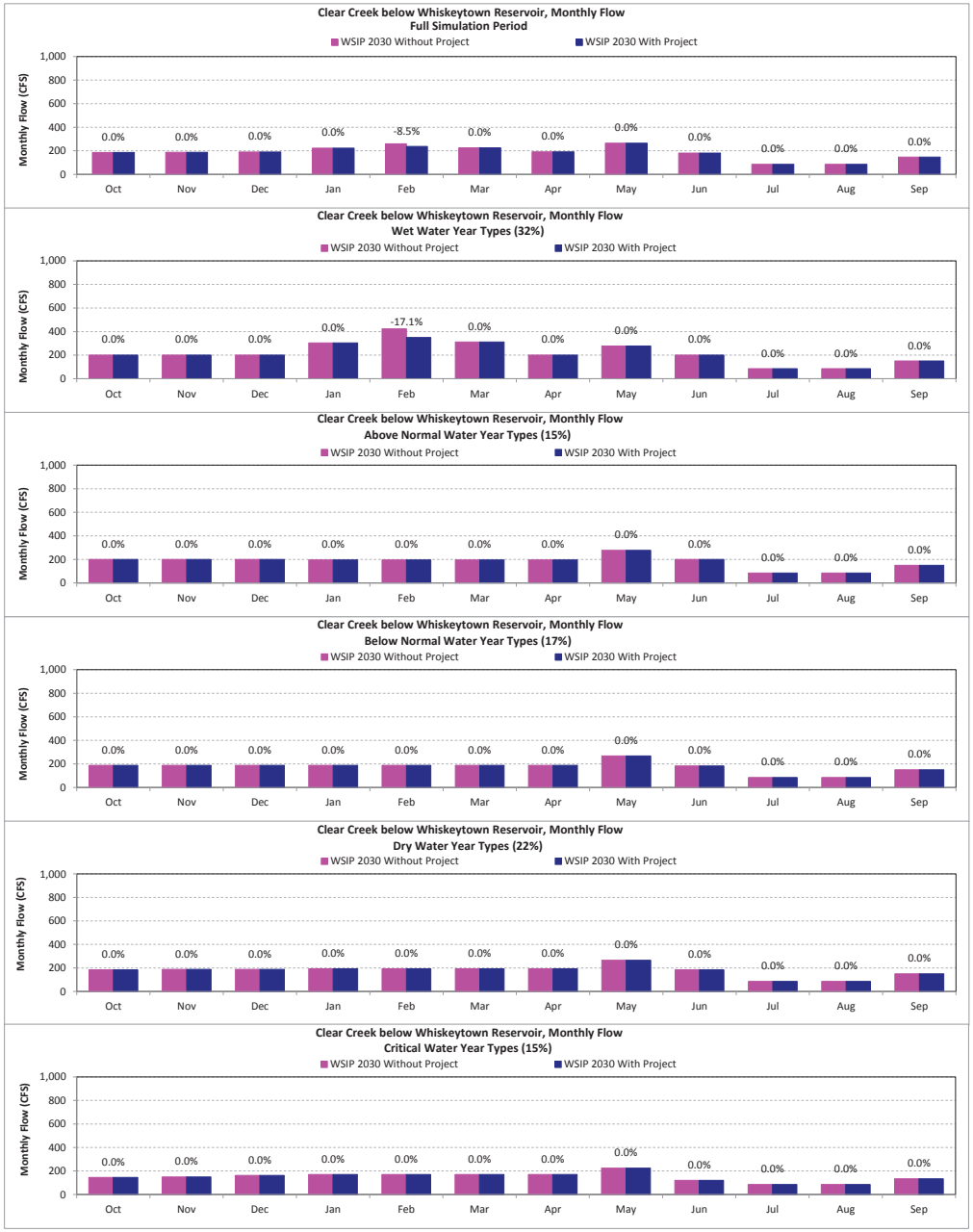


Table SW-07-a
Shasta Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	2,475	2,490	2,743	3,066	3,365	3,750	3,989	3,950	3,560	3,013	2,716	2,544
WSIP 2030 With Project	2,560	2,562	2,794	3,109	3,396	3,777	4,021	4,009	3,648	3,105	2,808	2,627
Difference	85	73	52	44	31	27	31	59	88	92	92	83
Percent Difference[3]	3.4%	2.9%	1.9%	1.4%	0.9%	0.7%	0.8%	1.5%	2.5%	3.1%	3.4%	3.3%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	2,698	2,625	2,901	3,436	3,579	3,865	4,280	4,387	4,082	3,557	3,251	2,837
WSIP 2030 With Project	2,718	2,634	2,897	3,439	3,579	3,865	4,285	4,405	4,086	3,561	3,263	2,855
Difference	20	9	-4	4	0	0	6	18	4	4	12	18
Percent Difference	0.7%	0.3%	-0.1%	0.1%	0.0%	0.0%	0.1%	0.4%	0.1%	0.1%	0.4%	0.6%
Above Normal (14.6%)												
WSIP 2030 Without Project	2,652	2,580	2,818	3,205	3,562	4,014	4,364	4,322	3,908	3,319	2,999	2,758
WSIP 2030 With Project	2,821	2,708	2,875	3,258	3,591	4,015	4,372	4,359	4,031	3,432	3,146	2,940
Difference	169	129	57	53	29	1	8	37	123	113	147	182
Percent Difference	6.4%	5.0%	2.0%	1.7%	0.8%	0.0%	0.2%	0.9%	3.1%	3.4%	4.9%	6.6%
Below Normal (20.7%)												
WSIP 2030 Without Project	2,744	2,803	2,983	2,976	3,418	3,925	4,214	4,133	3,700	3,078	2,774	2,771
WSIP 2030 With Project	2,797	2,838	2,996	3,014	3,437	3,942	4,209	4,155	3,779	3,160	2,873	2,836
Difference	53	35	14	38	19	17	-5	22	80	83	98	65
Percent Difference	1.9%	1.3%	0.5%	1.3%	0.6%	0.4%	-0.1%	0.5%	2.2%	2.7%	3.5%	2.3%
Dry (19.5%)												
WSIP 2030 Without Project	2,465	2,593	2,899	2,857	3,275	3,717	3,786	3,663	3,252	2,766	2,486	2,457
WSIP 2030 With Project	2,527	2,652	2,951	2,924	3,325	3,778	3,854	3,765	3,379	2,884	2,572	2,514
Difference	62	59	52	67	50	61	67	101	126	118	86	57
Percent Difference	2.5%	2.3%	1.8%	2.3%	1.5%	1.6%	1.8%	2.8%	3.9%	4.3%	3.5%	2.3%
Critical (14.6%)												
WSIP 2030 Without Project	1,465	1,535	1,791	2,560	2,768	3,043	2,961	2,787	2,337	1,810	1,540	1,515
WSIP 2030 With Project	1,678	1,756	2,005	2,656	2,858	3,120	3,073	2,953	2,524	2,042	1,746	1,696
Difference	213	221	214	95	89	77	112	166	187	232	206	181
Percent Difference	14.5%	14.4%	12.0%	3.7%	3.2%	2.5%	3.8%	6.0%	8.0%	12.8%	13.3%	12.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-08-a
Shasta Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	979	980	993	1,008	1,021	1,037	1,046	1,044	1,028	1,004	990	983
WSIP 2030 With Project	984	984	996	1,010	1,023	1,038	1,047	1,046	1,032	1,009	995	987
Difference	5	4	3	2	1	1	1	2	4	5	5	5
Percent Difference[3]	0.5%	0.4%	0.3%	0.2%	0.1%	0.1%	0.1%	0.2%	0.4%	0.5%	0.5%	0.5%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	992	989	1,001	1,025	1,031	1,042	1,057	1,061	1,050	1,030	1,017	998
WSIP 2030 With Project	993	989	1,001	1,025	1,031	1,042	1,057	1,062	1,050	1,030	1,017	999
Difference	1	0	0	0	0	0	0	1	0	0	1	1
Percent Difference	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.1%	0.1%
Above Normal (14.6%)												
WSIP 2030 Without Project	990	987	998	1,015	1,030	1,048	1,060	1,059	1,044	1,020	1,006	995
WSIP 2030 With Project	998	993	1,000	1,017	1,031	1,048	1,061	1,060	1,048	1,025	1,012	1,003
Difference	8	6	3	3	1	0	0	1	5	5	6	8
Percent Difference	0.8%	0.6%	0.3%	0.3%	0.1%	0.0%	0.0%	0.1%	0.4%	0.5%	0.6%	0.8%
Below Normal (20.7%)												
WSIP 2030 Without Project	994	997	1,005	1,004	1,024	1,044	1,055	1,052	1,035	1,009	996	995
WSIP 2030 With Project	997	999	1,006	1,006	1,024	1,045	1,055	1,053	1,038	1,013	1,000	999
Difference	3	2	1	2	1	1	0	1	3	4	5	3
Percent Difference	0.3%	0.2%	0.1%	0.2%	0.1%	0.1%	0.0%	0.1%	0.3%	0.4%	0.5%	0.3%
Dry (19.5%)												
WSIP 2030 Without Project	980	986	1,001	999	1,018	1,036	1,038	1,033	1,017	995	982	980
WSIP 2030 With Project	983	989	1,004	1,002	1,020	1,038	1,041	1,037	1,022	1,000	986	983
Difference	3	3	3	3	2	2	3	4	5	5	4	3
Percent Difference	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%	0.3%	0.4%	0.5%	0.5%	0.4%	0.3%
Critical (14.6%)												
WSIP 2030 Without Project	918	923	942	984	994	1,007	1,003	995	972	941	923	921
WSIP 2030 With Project	934	939	955	989	998	1,011	1,008	1,003	982	956	937	935
Difference	16	16	13	5	4	3	5	8	11	15	14	14
Percent Difference	1.7%	1.7%	1.4%	0.5%	0.4%	0.3%	0.5%	0.8%	1.1%	1.6%	1.6%	1.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-09-a
Shasta Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	19,643	19,731	21,149	22,914	24,494	26,379	27,423	27,208	25,355	22,560	20,956	20,029
WSIP 2030 With Project	20,141	20,163	21,446	23,157	24,660	26,515	27,584	27,504	25,805	23,080	21,481	20,510
Difference	499	432	297	242	166	137	160	296	450	520	524	481
Percent Difference[3]	2.5%	2.2%	1.4%	1.1%	0.7%	0.5%	0.6%	1.1%	1.8%	2.3%	2.5%	2.4%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	20,952	20,554	22,047	24,918	25,639	26,973	28,831	29,293	27,947	25,498	23,932	21,703
WSIP 2030 With Project	21,059	20,601	22,024	24,938	25,639	26,974	28,854	29,370	27,966	25,534	23,996	21,799
Difference	107	47	-22	20	0	1	24	77	19	36	64	95
Percent Difference	0.5%	0.2%	-0.1%	0.1%	0.0%	0.0%	0.1%	0.3%	0.1%	0.1%	0.3%	0.4%
Above Normal (14.6%)												
WSIP 2030 Without Project	20,694	20,306	21,599	23,676	25,554	27,666	29,193	29,013	27,202	24,283	22,586	21,278
WSIP 2030 With Project	21,626	21,013	21,908	23,971	25,707	27,670	29,229	29,173	27,750	24,879	23,373	22,266
Difference	931	707	309	295	154	4	35	160	548	596	787	988
Percent Difference	4.5%	3.5%	1.4%	1.2%	0.6%	0.0%	0.1%	0.6%	2.0%	2.5%	3.5%	4.6%
Below Normal (20.7%)												
WSIP 2030 Without Project	21,198	21,521	22,492	22,435	24,769	27,276	28,551	28,186	26,165	22,993	21,362	21,344
WSIP 2030 With Project	21,499	21,724	22,571	22,647	24,870	27,353	28,528	28,289	26,563	23,430	21,904	21,703
Difference	301	203	79	211	101	78	-23	103	398	437	542	359
Percent Difference	1.4%	0.9%	0.4%	0.9%	0.4%	0.3%	-0.1%	0.4%	1.5%	1.9%	2.5%	1.7%
Dry (19.5%)												
WSIP 2030 Without Project	19,642	20,344	22,031	21,804	24,021	26,217	26,508	25,909	23,936	21,311	19,784	19,617
WSIP 2030 With Project	19,991	20,680	22,322	22,171	24,285	26,522	26,837	26,399	24,559	21,946	20,249	19,929
Difference	348	336	291	367	264	305	329	490	622	635	465	312
Percent Difference	1.8%	1.7%	1.3%	1.7%	1.1%	1.2%	1.2%	1.9%	2.6%	3.0%	2.4%	1.6%
Critical (14.6%)												
WSIP 2030 Without Project	13,660	14,091	15,748	20,138	21,288	22,797	22,344	21,404	18,850	15,766	14,115	13,978
WSIP 2030 With Project	15,024	15,504	17,018	20,667	21,776	23,208	22,950	22,307	19,948	17,180	15,388	15,153
Difference	1,363	1,413	1,269	529	488	411	605	903	1,097	1,415	1,273	1,175
Percent Difference	10.0%	10.0%	8.1%	2.6%	2.3%	1.8%	2.7%	4.2%	5.8%	9.0%	9.0%	8.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-10-a
Sacramento River below Keswick Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	6,401	6,731	6,528	8,983	11,573	8,809	6,949	7,602	11,338	14,006	10,032	8,215
WSIP 2030 With Project	6,377	6,883	6,846	9,130	11,792	8,895	6,859	7,148	10,770	13,882	10,207	8,451
Difference	-24	153	317	147	219	85	-91	-455	-568	-124	176	236
Percent Difference[3]	-0.4%	2.3%	4.9%	1.6%	1.9%	1.0%	-1.3%	-6.0%	-5.0%	-0.9%	1.8%	2.9%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	7,508	8,857	6,744	17,694	23,395	16,416	8,912	7,496	10,336	13,814	10,215	12,700
WSIP 2030 With Project	7,497	8,985	6,947	18,071	23,470	16,410	8,821	7,295	10,438	13,880	10,496	12,634
Difference	-11	128	203	378	75	-6	-91	-201	101	66	281	-66
Percent Difference	-0.1%	1.4%	3.0%	2.1%	0.3%	0.0%	-1.0%	-2.7%	1.0%	0.5%	2.7%	-0.5%
Above Normal (14.6%)												
WSIP 2030 Without Project	6,634	9,171	6,246	9,823	12,932	10,150	5,854	7,817	11,874	14,752	10,728	9,615
WSIP 2030 With Project	6,802	9,668	7,370	9,522	13,319	10,532	5,708	7,343	10,297	14,719	10,240	9,153
Difference	168	497	1,124	-301	387	382	-147	-474	-1,577	-32	-488	-462
Percent Difference	2.5%	5.4%	18.0%	-3.1%	3.0%	3.8%	-2.5%	-6.1%	-13.3%	-0.2%	-4.5%	-4.8%
Below Normal (20.7%)												
WSIP 2030 Without Project	5,286	5,014	7,102	4,556	5,693	4,243	5,943	8,021	11,893	14,866	10,370	5,845
WSIP 2030 With Project	5,546	5,273	7,429	4,549	6,021	4,313	6,292	7,584	10,848	14,843	10,201	6,451
Difference	260	259	326	-7	327	70	349	-437	-1,046	-23	-168	606
Percent Difference	4.9%	5.2%	4.6%	-0.2%	5.8%	1.6%	5.9%	-5.5%	-8.8%	-0.2%	-1.6%	10.4%
Dry (19.5%)												
WSIP 2030 Without Project	6,847	5,656	8,163	3,585	4,368	4,621	6,039	7,405	11,844	13,341	9,691	5,092
WSIP 2030 With Project	6,686	5,667	8,284	3,941	4,652	4,681	5,900	6,846	11,347	13,188	10,393	5,751
Difference	-161	11	120	356	284	60	-140	-560	-497	-153	702	658
Percent Difference	-2.4%	0.2%	1.5%	9.9%	6.5%	1.3%	-2.3%	-7.6%	-4.2%	-1.1%	7.2%	12.9%
Critical (14.6%)												
WSIP 2030 Without Project	4,842	3,725	3,368	3,464	3,522	3,676	6,595	7,279	11,427	13,330	8,931	4,994
WSIP 2030 With Project	4,381	3,623	3,366	3,518	3,635	3,709	6,003	6,429	11,054	12,612	9,337	5,472
Difference	-461	-102	-2	54	112	33	-592	-850	-372	-718	406	478
Percent Difference	-9.5%	-2.7%	-0.1%	1.6%	3.2%	0.9%	-9.0%	-11.7%	-3.3%	-5.4%	4.5%	9.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

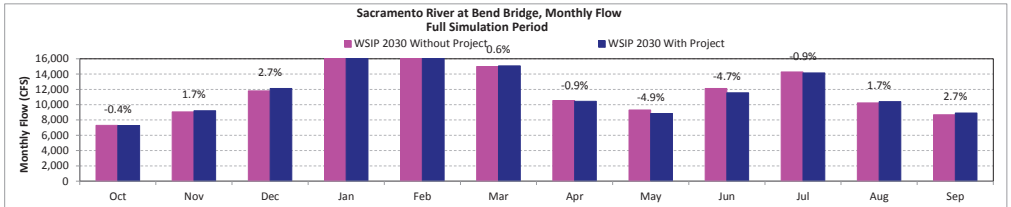
Table SW-11-a
Sacramento River at Bend Bridge, Monthly Flow
Long-term Average and Average by Water Year Type

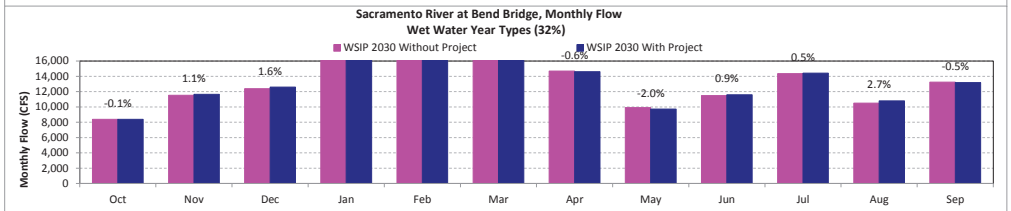
Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	7,298	9,055	11,795	16,301	19,680	14,981	10,540	9,305	12,118	14,270	10,237	8,689
WSIP 2030 With Project	7,272	9,208	12,112	16,447	19,878	15,067	10,450	8,852	11,554	14,148	10,406	8,922
Difference	-26	154	317	145	198	85	-90	-453	-564	-122	169	233
Percent Difference[3]	-0.4%	1.7%	2.7%	0.9%	1.0%	0.6%	-0.9%	-4.9%	-4.7%	-0.9%	1.7%	2.7%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	8,383	11,515	12,390	30,290	36,187	25,621	14,696	9,920	11,490	14,349	10,507	13,249
WSIP 2030 With Project	8,374	11,644	12,593	30,667	36,188	25,617	14,607	9,721	11,594	14,415	10,787	13,181
Difference	-10	129	203	377	2	-5	-90	-199	104	65	280	-69
Percent Difference	-0.1%	1.1%	1.6%	1.2%	0.0%	0.0%	-0.6%	-2.0%	0.9%	0.5%	2.7%	-0.5%
Above Normal (14.6%)												
WSIP 2030 Without Project	7,485	11,316	10,617	19,229	21,644	17,271	9,691	9,707	12,724	14,892	10,890	9,984
WSIP 2030 With Project	7,653	11,810	11,738	18,929	22,033	17,651	9,543	9,236	11,152	14,867	10,399	9,523
Difference	168	494	1,120	-300	389	381	-148	-471	-1,572	-25	-491	-462
Percent Difference	2.2%	4.4%	10.6%	-1.6%	1.8%	2.2%	-1.5%	-4.9%	-12.4%	-0.2%	-4.5%	-4.6%
Below Normal (20.7%)												
WSIP 2030 Without Project	6,327	7,276	12,313	9,346	12,207	9,156	9,404	9,494	12,546	15,016	10,542	6,435
WSIP 2030 With Project	6,581	7,533	12,639	9,338	12,535	9,225	9,754	9,055	11,506	14,999	10,372	7,039
Difference	254	258	326	-8	328	69	350	-439	-1,040	-17	-170	604
Percent Difference	4.0%	3.5%	2.6%	-0.1%	2.7%	0.8%	3.7%	-4.6%	-8.3%	-0.1%	-1.6%	9.4%
Dry (19.5%)												
WSIP 2030 Without Project	7,889	8,237	14,959	7,023	10,054	9,274	7,877	8,608	12,378	13,462	9,861	5,481
WSIP 2030 With Project	7,723	8,252	15,080	7,374	10,338	9,335	7,738	8,051	11,886	13,310	10,561	6,131
Difference	-165	15	121	351	284	61	-138	-557	-492	-152	700	650
Percent Difference	-2.1%	0.2%	0.8%	5.0%	2.8%	0.7%	-1.8%	-6.5%	-4.0%	-1.1%	7.1%	11.9%
Critical (14.6%)												
WSIP 2030 Without Project	5,436	5,279	6,780	6,455	6,751	6,387	7,891	8,283	11,863	13,505	9,093	5,365
WSIP 2030 With Project	4,970	5,181	6,778	6,506	6,864	6,421	7,300	7,439	11,498	12,787	9,463	5,835
Difference	-465	-97	-2	52	113	33	-591	-844	-365	-718	370	471
Percent Difference	-8.6%	-1.8%	0.0%	0.8%	1.7%	0.5%	-7.5%	-10.2%	-3.1%	-5.3%	4.1%	8.8%

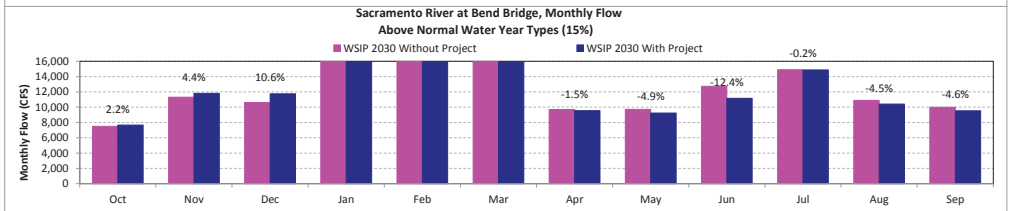
1 Based on the 82-year simulation period

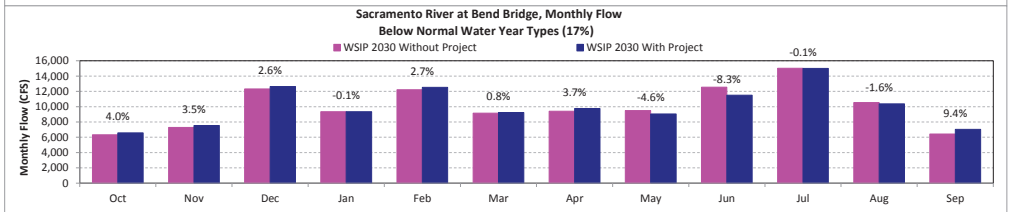
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

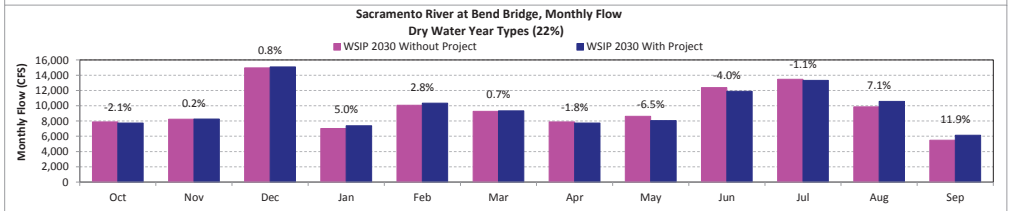
3 Relative difference of the monthly average











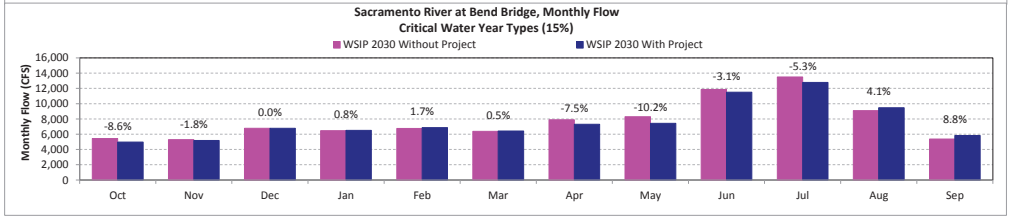


Table SW-12-a
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Flow (CFS)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	7,198	9,074	11,860	16,487	19,820	15,065	10,477	9,012	11,504	13,624	9,718	8,588
WSIP 2030 With Project	7,101	9,061	11,404	15,398	18,673	14,107	10,144	8,580	11,015	13,643	9,953	8,860
Difference	-98	-14	-456	-1,089	-1,147	-959	-333	-432	-489	19	236	271
Percent Difference[3]	-1.4%	-0.1%	-3.8%	-6.6%	-5.8%	-6.4%	-3.2%	-4.8%	-4.3%	0.1%	2.4%	3.2%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	8,254	11,542	12,462	30,619	36,423	25,766	14,678	9,484	10,591	13,352	9,715	13,096
WSIP 2030 With Project	8,235	11,509	11,719	29,637	35,247	24,959	14,222	9,369	10,709	13,530	10,024	13,093
Difference	-19	-33	-743	-982	-1,176	-807	-456	-115	117	178	310	-3
Percent Difference	-0.2%	-0.3%	-6.0%	-3.2%	-3.2%	-3.1%	-3.1%	-1.2%	1.1%	1.3%	3.2%	0.0%
Above Normal (14.6%)												
WSIP 2030 Without Project	7,378	11,332	10,661	19,476	21,824	17,392	9,574	9,295	11,882	14,003	10,203	9,841
WSIP 2030 With Project	7,377	11,346	10,374	17,639	20,476	16,650	9,203	8,837	10,510	14,407	9,892	9,468
Difference	-1	14	-288	-1,837	-1,347	-742	-371	-458	-1,372	404	-311	-373
Percent Difference	0.0%	0.1%	-2.7%	-9.4%	-6.2%	-4.3%	-3.9%	-4.9%	-11.5%	2.9%	-3.0%	-3.8%
Below Normal (20.7%)												
WSIP 2030 Without Project	6,229	7,299	12,388	9,482	12,303	9,193	9,311	9,229	11,997	14,447	10,093	6,368
WSIP 2030 With Project	6,501	7,552	12,589	8,125	11,506	7,993	9,243	8,759	11,101	14,637	10,045	6,984
Difference	272	253	201	-1,357	-797	-1,200	-68	-470	-896	190	-48	616
Percent Difference	4.4%	3.5%	1.6%	-14.3%	-6.5%	-13.1%	-0.7%	-5.1%	-7.5%	1.3%	-0.5%	9.7%
Dry (19.5%)												
WSIP 2030 Without Project	7,815	8,259	15,040	7,089	10,132	9,341	7,814	8,467	12,023	13,158	9,619	5,433
WSIP 2030 With Project	7,398	8,094	14,498	6,292	8,624	8,089	7,625	7,930	11,591	13,018	10,344	6,086
Difference	-417	-165	-542	-796	-1,508	-1,252	-188	-537	-432	-140	725	652
Percent Difference	-5.3%	-2.0%	-3.6%	-11.2%	-14.9%	-13.4%	-2.4%	-6.3%	-3.6%	-1.1%	7.5%	12.0%
Critical (14.6%)												
WSIP 2030 Without Project	5,370	5,278	6,815	6,510	6,789	6,396	7,830	8,161	11,635	13,267	8,837	5,298
WSIP 2030 With Project	4,913	5,101	5,975	5,934	5,892	5,640	7,225	7,291	11,266	12,540	9,216	5,788
Difference	-457	-177	-839	-575	-897	-757	-605	-870	-369	-727	379	490
Percent Difference	-8.5%	-3.4%	-12.3%	-8.8%	-13.2%	-11.8%	-7.7%	-10.7%	-3.2%	-5.5%	4.3%	9.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-13-a
Sacramento River below Hamilton City, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	6,663	9,423	13,553	19,005	22,651	17,320	9,858	7,648	8,794	10,882	7,695	8,128
WSIP 2030 With Project	6,632	9,404	12,733	17,769	21,272	15,823	9,503	7,437	8,613	11,276	7,945	8,417
Difference	-31	-19	-820	-1,236	-1,379	-1,496	-356	-211	-181	394	250	289
Percent Difference[3]	-0.5%	-0.2%	-6.0%	-6.5%	-6.1%	-8.6%	-3.6%	-2.8%	-2.1%	3.6%	3.3%	3.5%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	7,701	11,985	14,285	35,138	40,923	29,043	15,127	8,662	7,975	10,633	7,688	12,676
WSIP 2030 With Project	7,677	11,956	13,192	33,989	39,537	27,744	14,528	8,571	8,070	10,798	7,720	12,674
Difference	-24	-28	-1,094	-1,149	-1,386	-1,299	-599	-91	96	165	32	-2
Percent Difference	-0.3%	-0.2%	-7.7%	-3.3%	-3.4%	-4.5%	-4.0%	-1.0%	1.2%	1.6%	0.4%	0.0%
Above Normal (14.6%)												
WSIP 2030 Without Project	6,819	11,736	12,164	22,753	25,159	20,103	9,227	8,055	9,205	11,213	8,125	9,349
WSIP 2030 With Project	6,880	11,649	11,288	20,703	23,545	18,803	8,670	7,750	8,341	12,309	8,044	8,984
Difference	61	-87	-876	-2,051	-1,614	-1,300	-557	-305	-864	1,096	-81	-365
Percent Difference	0.9%	-0.7%	-7.2%	-9.0%	-6.4%	-6.5%	-6.0%	-3.8%	-9.4%	9.8%	-1.0%	-3.9%
Below Normal (20.7%)												
WSIP 2030 Without Project	5,695	7,562	13,985	11,155	14,475	11,044	8,510	7,608	9,201	11,626	7,965	5,928
WSIP 2030 With Project	6,145	7,859	14,101	9,645	13,453	9,203	8,083	7,294	8,751	12,525	7,939	6,577
Difference	450	297	117	-1,509	-1,022	-1,841	-427	-314	-451	899	-26	650
Percent Difference	7.9%	3.9%	0.8%	-13.5%	-7.1%	-16.7%	-5.0%	-4.1%	-4.9%	7.7%	-0.3%	11.0%
Dry (19.5%)												
WSIP 2030 Without Project	7,349	8,777	17,290	8,094	12,034	11,042	6,442	6,633	9,119	10,312	7,484	4,910
WSIP 2030 With Project	6,937	8,585	16,300	7,178	10,213	9,109	6,452	6,421	9,127	10,598	8,401	5,584
Difference	-412	-192	-990	-916	-1,821	-1,934	9	-212	8	286	918	674
Percent Difference	-5.6%	-2.2%	-5.7%	-11.3%	-15.1%	-17.5%	0.1%	-3.2%	0.1%	2.8%	12.3%	13.7%
Critical (14.6%)												
WSIP 2030 Without Project	4,801	5,268	7,822	7,314	7,814	7,375	5,978	6,543	9,078	10,773	7,178	4,843
WSIP 2030 With Project	4,489	5,119	6,531	6,670	6,767	6,341	5,946	6,322	9,132	10,371	7,716	5,364
Difference	-312	-149	-1,291	-644	-1,047	-1,034	-32	-221	54	-401	538	521
Percent Difference	-6.5%	-2.8%	-16.5%	-8.8%	-13.4%	-14.0%	-0.5%	-3.4%	0.6%	-3.7%	7.5%	10.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-14-a
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	6,342	9,413	15,403	22,885	27,392	20,418	11,312	7,348	7,982	9,688	6,910	8,324
WSIP 2030 With Project	6,818	9,581	14,263	20,966	25,424	18,632	10,993	7,202	8,577	10,922	7,694	9,295
Difference	476	168	-1,139	-1,919	-1,969	-1,786	-319	-145	595	1,234	785	971
Percent Difference[3]	7.5%	1.8%	-7.4%	-8.4%	-7.2%	-8.7%	-2.8%	-2.0%	7.5%	12.7%	11.4%	11.7%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	7,465	11,944	16,538	42,186	48,509	33,318	18,595	8,925	7,802	9,554	6,912	13,056
WSIP 2030 With Project	7,632	11,955	15,160	40,350	46,679	31,830	17,976	8,834	8,238	10,067	6,974	13,435
Difference	168	11	-1,378	-1,836	-1,830	-1,488	-619	-91	437	513	62	379
Percent Difference	2.2%	0.1%	-8.3%	-4.4%	-3.8%	-4.5%	-3.3%	-1.0%	5.6%	5.4%	0.9%	2.9%
Above Normal (14.6%)												
WSIP 2030 Without Project	6,477	11,655	13,880	29,047	31,425	24,591	10,630	8,213	8,398	9,899	7,387	9,573
WSIP 2030 With Project	6,881	11,433	12,377	25,962	28,981	22,861	10,072	7,903	8,536	12,135	7,746	10,145
Difference	404	-222	-1,503	-3,085	-2,444	-1,730	-558	-310	138	2,236	359	573
Percent Difference	6.2%	-1.9%	-10.8%	-10.6%	-7.8%	-7.0%	-5.2%	-3.8%	1.6%	22.6%	4.9%	6.0%
Below Normal (20.7%)												
WSIP 2030 Without Project	5,464	7,658	15,773	13,258	17,960	13,416	9,813	7,173	8,092	10,380	7,097	5,916
WSIP 2030 With Project	6,569	8,131	15,747	11,037	16,440	11,224	9,388	6,857	8,827	12,545	7,746	7,422
Difference	1,105	473	-26	-2,221	-1,520	-2,192	-425	-316	734	2,165	649	1,506
Percent Difference	20.2%	6.2%	-0.2%	-16.7%	-8.5%	-16.3%	-4.3%	-4.4%	9.1%	20.9%	9.1%	25.5%
Dry (19.5%)												
WSIP 2030 Without Project	6,942	8,957	19,465	9,146	15,195	13,302	6,200	5,720	7,909	9,095	6,561	5,083
WSIP 2030 With Project	7,291	9,243	18,083	7,576	12,366	11,003	6,218	5,496	8,692	10,563	8,500	6,634
Difference	349	286	-1,382	-1,570	-2,829	-2,299	17	-224	783	1,468	1,939	1,551
Percent Difference	5.0%	3.2%	-7.1%	-17.2%	-18.6%	-17.3%	0.3%	-3.9%	9.9%	16.1%	29.6%	30.5%
Critical (14.6%)												
WSIP 2030 Without Project	4,308	4,991	8,619	8,471	8,990	8,777	5,759	5,613	7,883	9,566	6,627	4,949
WSIP 2030 With Project	4,779	5,287	7,088	7,506	7,720	7,573	6,003	5,865	8,819	9,672	7,996	6,018
Difference	471	296	-1,531	-965	-1,271	-1,203	244	253	936	106	1,369	1,069
Percent Difference	10.9%	5.9%	-17.8%	-11.4%	-14.1%	-13.7%	4.2%	4.5%	11.9%	1.1%	20.7%	21.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

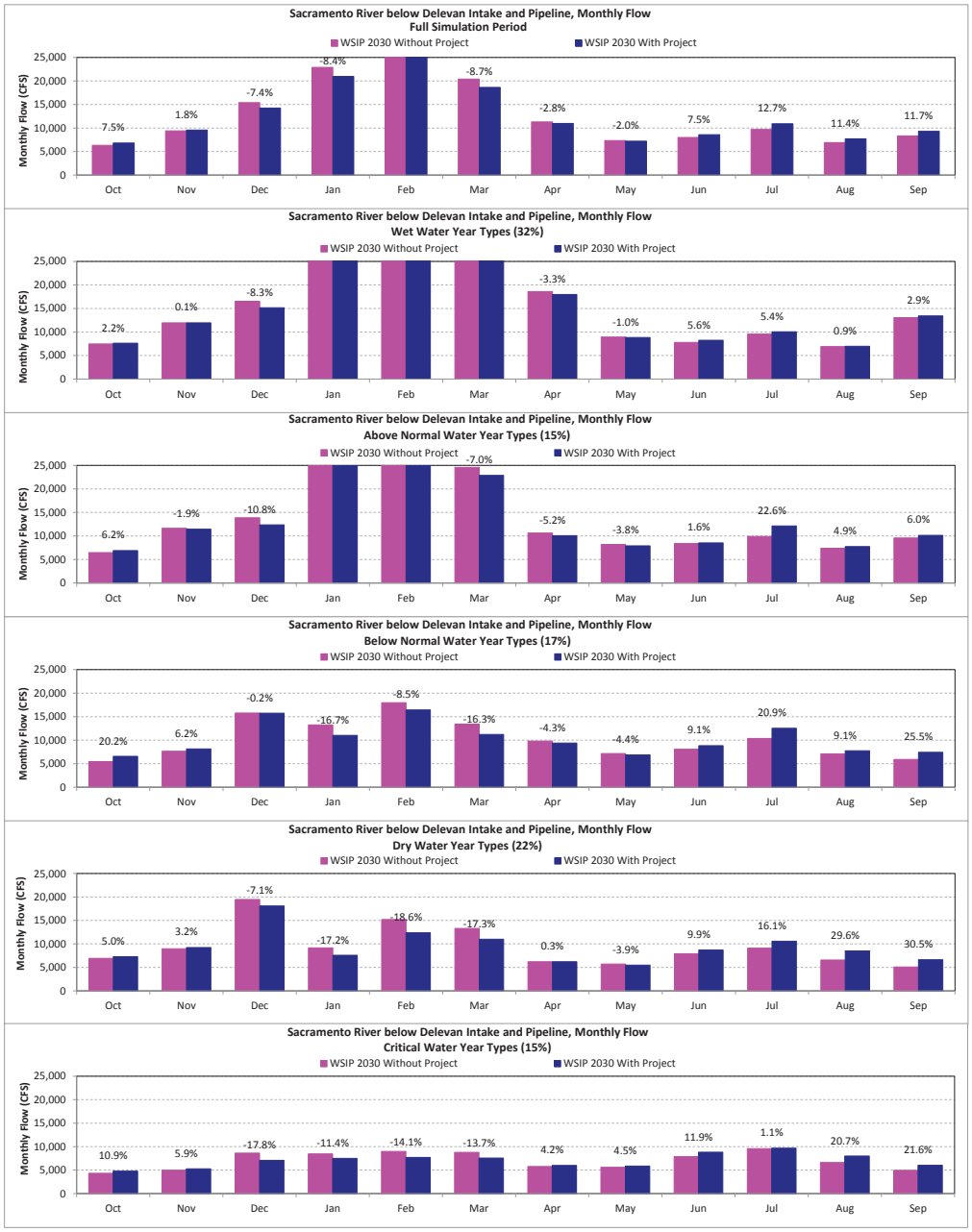


Table SW-15-a
Sacramento River at Wilken Slough, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	6,027	8,861	11,770	14,192	15,784	14,348	8,420	5,955	5,986	7,594	5,327	8,033
WSIP 2030 With Project	6,510	9,085	11,122	13,130	14,773	13,116	8,233	5,816	6,579	8,807	6,085	9,000
Difference	483	224	-648	-1,062	-1,012	-1,232	-187	-139	593	1,213	758	967
Percent Difference[3]	8.0%	2.5%	-5.5%	-7.5%	-6.4%	-8.6%	-2.2%	-2.3%	9.9%	16.0%	14.2%	12.0%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	7,119	11,648	12,686	20,038	20,640	18,373	12,980	7,498	5,864	7,534	5,364	12,779
WSIP 2030 With Project	7,290	11,718	11,866	19,487	20,330	17,903	12,605	7,473	6,301	8,036	5,419	13,171
Difference	171	69	-821	-551	-310	-470	-375	-25	437	502	55	392
Percent Difference	2.4%	0.6%	-6.5%	-2.7%	-1.5%	-2.6%	-2.9%	-0.3%	7.5%	6.7%	1.0%	3.1%
Above Normal (14.6%)												
WSIP 2030 Without Project	6,230	10,270	10,865	17,743	18,306	16,990	9,098	6,682	6,395	7,813	5,834	9,258
WSIP 2030 With Project	6,636	10,300	10,057	16,817	17,417	15,952	8,669	6,357	6,536	10,040	6,134	9,850
Difference	406	30	-808	-926	-889	-1,037	-429	-325	142	2,227	300	592
Percent Difference	6.5%	0.3%	-7.4%	-5.2%	-4.9%	-6.1%	-4.7%	-4.9%	2.2%	28.5%	5.1%	6.4%
Below Normal (20.7%)												
WSIP 2030 Without Project	5,308	7,258	11,648	12,060	14,066	12,494	7,701	5,823	6,084	8,259	5,479	5,659
WSIP 2030 With Project	6,388	7,744	11,995	10,387	13,029	10,580	7,479	5,506	6,816	10,393	6,079	7,174
Difference	1,080	486	347	-1,673	-1,037	-1,913	-222	-316	732	2,134	599	1,516
Percent Difference	20.3%	6.7%	3.0%	-13.9%	-7.4%	-15.3%	-2.9%	-5.4%	12.0%	25.8%	10.9%	26.8%
Dry (19.5%)												
WSIP 2030 Without Project	6,346	8,107	13,549	9,110	13,392	12,380	4,760	4,408	5,864	6,951	4,964	4,783
WSIP 2030 With Project	6,756	8,372	12,883	7,580	11,294	10,490	4,798	4,158	6,645	8,387	6,866	6,295
Difference	410	265	-666	-1,530	-2,098	-1,890	37	-250	781	1,436	1,902	1,512
Percent Difference	6.5%	3.3%	-4.9%	-16.8%	-15.7%	-15.3%	0.8%	-5.7%	13.3%	20.7%	38.3%	31.6%
Critical (14.6%)												
WSIP 2030 Without Project	4,142	4,921	8,571	8,259	8,770	8,573	4,138	4,263	5,855	7,417	5,012	4,617
WSIP 2030 With Project	4,607	5,233	7,054	7,487	7,658	7,399	4,337	4,470	6,779	7,494	6,394	5,654
Difference	465	311	-1,517	-771	-1,112	-1,174	198	207	924	77	1,382	1,037
Percent Difference	11.2%	6.3%	-17.7%	-9.3%	-12.7%	-13.7%	4.8%	4.9%	15.8%	1.0%	27.6%	22.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-16-a
Sacramento River at Verona, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	9,383	12,497	19,612	28,453	34,769	29,869	18,065	11,090	10,606	16,048	11,953	14,508
WSIP 2030 With Project	9,919	12,747	18,826	27,095	33,595	28,536	17,865	10,905	10,944	16,930	12,526	15,590
Difference	536	251	-787	-1,358	-1,174	-1,334	-200	-185	338	882	573	1,082
Percent Difference[3]	5.7%	2.0%	-4.0%	-4.8%	-3.4%	-4.5%	-1.1%	-1.7%	3.2%	5.5%	4.8%	7.5%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	11,300	15,803	22,421	47,449	54,273	44,584	29,750	15,027	11,400	17,200	13,306	22,571
WSIP 2030 With Project	11,471	15,866	21,172	46,531	53,765	43,794	29,307	14,985	11,832	17,226	13,300	22,941
Difference	171	63	-1,250	-918	-509	-790	-443	-42	432	26	-6	370
Percent Difference	1.5%	0.4%	-5.6%	-1.9%	-0.9%	-1.8%	-1.5%	-0.3%	3.8%	0.2%	0.0%	1.6%
Above Normal (14.6%)												
WSIP 2030 Without Project	10,683	15,053	18,268	35,751	42,412	39,417	18,767	12,401	11,250	17,972	14,419	17,199
WSIP 2030 With Project	11,020	15,100	17,406	34,134	41,165	38,428	18,432	12,086	11,176	19,320	14,403	17,750
Difference	337	46	-862	-1,617	-1,247	-990	-334	-315	-74	1,348	-17	550
Percent Difference	3.2%	0.3%	-4.7%	-4.5%	-2.9%	-2.5%	-1.8%	-2.5%	-0.7%	7.5%	-0.1%	3.2%
Below Normal (20.7%)												
WSIP 2030 Without Project	8,549	10,516	18,991	19,683	25,886	23,612	14,921	10,066	10,892	18,147	13,619	10,509
WSIP 2030 With Project	9,751	11,053	19,374	17,691	25,017	21,699	14,681	9,715	10,912	19,269	14,234	12,171
Difference	1,203	538	383	-1,992	-869	-1,914	-240	-351	19	1,122	615	1,662
Percent Difference	14.1%	5.1%	2.0%	-10.1%	-3.4%	-8.1%	-1.6%	-3.5%	0.2%	6.2%	4.5%	15.8%
Dry (19.5%)												
WSIP 2030 Without Project	9,343	12,062	23,156	14,382	22,774	19,252	9,591	8,252	10,075	14,213	9,619	9,748
WSIP 2030 With Project	9,935	12,397	22,383	12,903	20,401	17,227	9,622	8,019	10,635	15,900	11,042	11,501
Difference	592	335	-773	-1,479	-2,372	-2,025	31	-233	560	1,687	1,423	1,753
Percent Difference	6.3%	2.8%	-3.3%	-10.3%	-10.4%	-10.5%	0.3%	-2.8%	5.6%	11.9%	14.8%	18.0%
Critical (14.6%)												
WSIP 2030 Without Project	5,323	6,438	11,260	12,768	15,070	12,686	8,769	6,813	8,612	11,198	7,420	7,031
WSIP 2030 With Project	5,800	6,764	9,838	11,812	13,746	11,619	8,961	6,760	9,319	11,984	8,596	8,412
Difference	477	326	-1,422	-956	-1,324	-1,067	192	-53	707	786	1,176	1,381
Percent Difference	9.0%	5.1%	-12.6%	-7.5%	-8.8%	-8.4%	2.2%	-0.8%	8.2%	7.0%	15.8%	19.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-17-a
Sacramento River at Freeport, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	11,381	15,801	24,220	33,907	41,521	35,166	22,047	13,469	12,840	19,825	13,884	16,590
WSIP 2030 With Project	12,052	16,175	23,446	32,650	40,359	33,876	21,877	13,347	13,186	20,243	14,514	17,721
Difference	672	374	-774	-1,257	-1,161	-1,290	-170	-123	345	418	629	1,132
Percent Difference[3]	5.9%	2.4%	-3.2%	-3.7%	-2.8%	-3.7%	-0.8%	-0.9%	2.7%	2.1%	4.5%	6.8%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	13,580	20,172	27,667	55,944	63,741	51,966	36,623	18,448	13,867	21,398	15,700	26,164
WSIP 2030 With Project	14,014	20,214	26,379	55,128	63,310	51,219	36,182	18,437	14,354	21,321	15,736	26,378
Difference	434	42	-1,287	-817	-431	-746	-441	-12	487	-77	37	213
Percent Difference	3.2%	0.2%	-4.7%	-1.5%	-0.7%	-1.4%	-1.2%	-0.1%	3.5%	-0.4%	0.2%	0.8%
Above Normal (14.6%)												
WSIP 2030 Without Project	12,753	18,016	22,793	43,085	50,731	45,715	22,296	14,774	13,299	22,694	16,258	19,132
WSIP 2030 With Project	13,079	18,348	21,899	41,569	49,515	44,749	21,963	14,513	13,317	23,279	16,342	19,765
Difference	326	332	-895	-1,516	-1,216	-966	-333	-261	18	585	84	632
Percent Difference	2.6%	1.8%	-3.9%	-3.5%	-2.4%	-2.1%	-1.5%	-1.8%	0.1%	2.6%	0.5%	3.3%
Below Normal (20.7%)												
WSIP 2030 Without Project	10,424	13,040	23,085	23,704	32,376	29,058	18,111	11,973	13,025	22,804	15,384	12,098
WSIP 2030 With Project	11,726	13,709	23,579	21,742	31,472	27,187	17,934	11,672	13,243	22,919	16,171	13,914
Difference	1,301	669	494	-1,962	-904	-1,871	-178	-301	218	115	787	1,816
Percent Difference	12.5%	5.1%	2.1%	-8.3%	-2.8%	-6.4%	-1.0%	-2.5%	1.7%	0.5%	5.1%	15.0%
Dry (19.5%)												
WSIP 2030 Without Project	11,566	16,255	29,074	17,683	27,683	23,024	11,994	10,355	12,726	17,409	11,644	11,033
WSIP 2030 With Project	12,327	16,892	28,354	16,399	25,224	20,992	12,065	10,261	13,028	18,475	13,028	12,993
Difference	761	637	-720	-1,284	-2,459	-2,033	71	-94	302	1,066	1,385	1,959
Percent Difference	6.6%	3.9%	-2.5%	-7.3%	-8.9%	-8.8%	0.6%	-0.9%	2.4%	6.1%	11.9%	17.8%
Critical (14.6%)												
WSIP 2030 Without Project	6,533	7,788	13,600	14,905	17,422	14,459	10,411	8,064	10,134	12,677	8,593	7,871
WSIP 2030 With Project	7,035	8,126	12,149	14,021	16,160	13,525	10,660	8,064	10,750	13,528	9,771	9,343
Difference	501	338	-1,451	-884	-1,262	-934	249	0	616	851	1,178	1,472
Percent Difference	7.7%	4.3%	-10.7%	-5.9%	-7.2%	-6.5%	2.4%	0.0%	6.1%	6.7%	13.7%	18.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

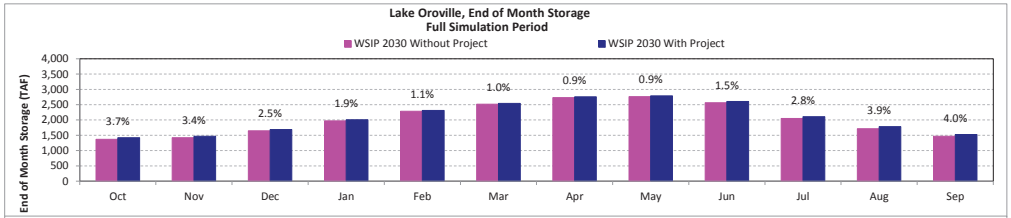
Table SW-18-a
Lake Oroville, End of Month Storage
Long-term Average and Average by Water Year Type

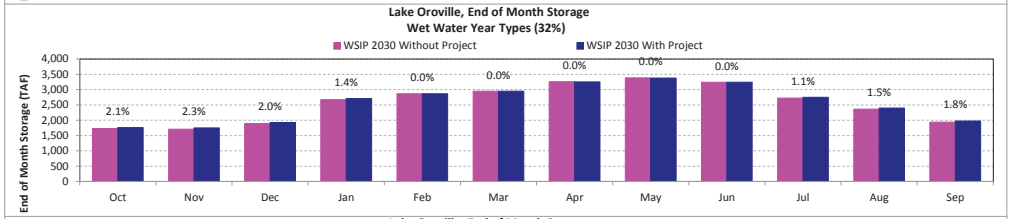
Analysis Period	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	1,369	1,420	1,647	1,973	2,285	2,518	2,730	2,760	2,565	2,049	1,713	1,469
WSIP 2030 With Project	1,419	1,468	1,688	2,010	2,311	2,544	2,755	2,786	2,604	2,106	1,780	1,528
Difference	50	48	41	37	26	25	25	26	39	57	67	59
Percent Difference[3]	3.7%	3.4%	2.5%	1.9%	1.1%	1.0%	0.9%	0.9%	1.5%	2.8%	3.9%	4.0%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	1,727	1,709	1,892	2,672	2,865	2,952	3,256	3,383	3,243	2,724	2,362	1,938
WSIP 2030 With Project	1,762	1,749	1,929	2,710	2,866	2,952	3,256	3,381	3,242	2,753	2,397	1,974
Difference	35	39	37	38	1	0	0	-1	0	29	35	36
Percent Difference	2.1%	2.3%	2.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	1.5%	1.8%
Above Normal (14.6%)												
WSIP 2030 Without Project	1,548	1,566	1,651	2,283	2,760	2,945	3,250	3,313	3,129	2,501	2,045	1,697
WSIP 2030 With Project	1,629	1,634	1,718	2,306	2,784	2,951	3,257	3,318	3,146	2,559	2,124	1,778
Difference	81	68	68	23	23	7	6	6	17	59	78	81
Percent Difference	5.2%	4.4%	4.1%	1.0%	0.8%	0.2%	0.2%	0.2%	0.6%	2.3%	3.8%	4.8%
Below Normal (20.7%)												
WSIP 2030 Without Project	1,215	1,230	1,505	1,729	2,123	2,512	2,757	2,764	2,510	1,878	1,441	1,323
WSIP 2030 With Project	1,306	1,313	1,573	1,761	2,152	2,543	2,785	2,792	2,580	2,001	1,562	1,435
Difference	91	83	68	32	29	31	28	28	69	122	121	112
Percent Difference	7.5%	6.7%	4.5%	1.8%	1.4%	1.2%	1.0%	1.0%	2.8%	6.5%	8.4%	8.4%
Dry (19.5%)												
WSIP 2030 Without Project	1,201	1,395	1,762	1,454	1,851	2,213	2,339	2,294	2,048	1,563	1,309	1,146
WSIP 2030 With Project	1,225	1,422	1,769	1,487	1,884	2,254	2,380	2,332	2,097	1,603	1,374	1,195
Difference	25	27	7	33	33	41	41	38	50	40	65	49
Percent Difference	2.1%	1.9%	0.4%	2.3%	1.8%	1.8%	1.7%	1.7%	2.4%	2.6%	5.0%	4.3%
Critical (14.6%)												
WSIP 2030 Without Project	890	973	1,181	1,246	1,412	1,605	1,598	1,527	1,355	1,079	952	901
WSIP 2030 With Project	916	999	1,209	1,305	1,477	1,673	1,666	1,611	1,443	1,123	1,000	924
Difference	26	26	29	59	65	69	68	83	88	44	48	23
Percent Difference	2.9%	2.6%	2.4%	4.8%	4.6%	4.3%	4.3%	5.5%	6.5%	4.0%	5.0%	2.6%

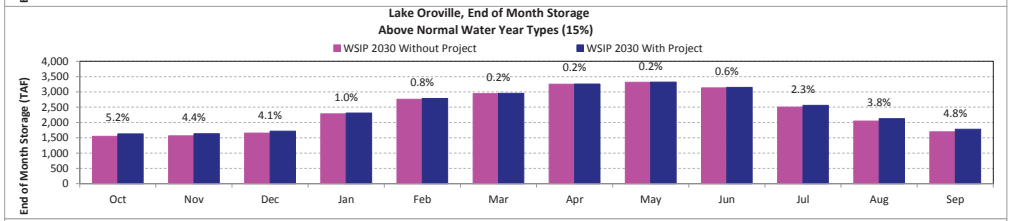
1 Based on the 82-year simulation period

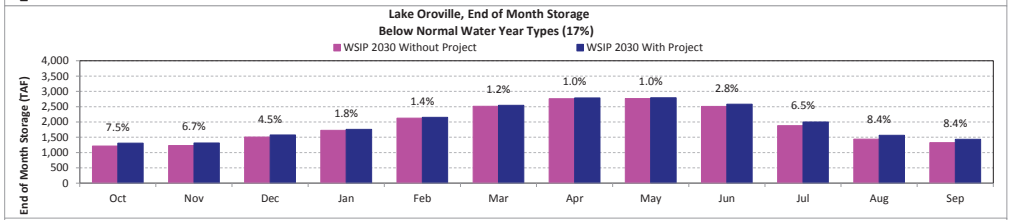
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

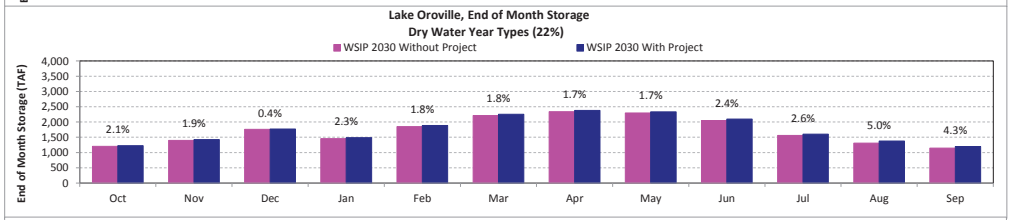
3 Relative difference of the monthly average











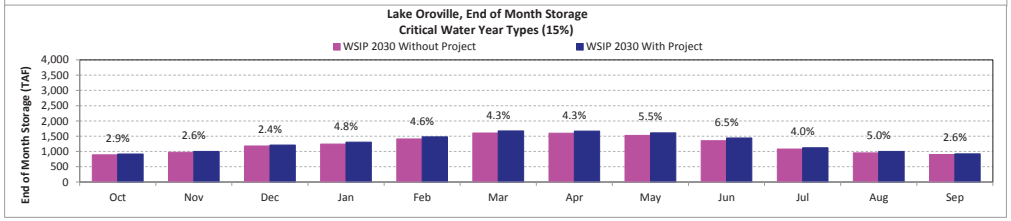


Table SW-19-a
Lake Oroville, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	708	714	738	772	802	823	838	840	824	779	745	719
WSIP 2030 With Project	714	720	743	776	805	826	841	842	827	785	753	727
Difference	6	6	5	4	3	3	3	3	4	6	8	7
Percent Difference[3]	0.9%	0.8%	0.7%	0.5%	0.4%	0.3%	0.3%	0.3%	0.5%	0.8%	1.1%	1.0%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	750	748	765	839	854	860	881	889	880	843	813	773
WSIP 2030 With Project	755	753	769	842	854	860	881	889	880	845	817	777
Difference	4	5	5	3	0	0	0	0	0	2	4	4
Percent Difference	0.6%	0.6%	0.6%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.4%	0.5%
Above Normal (14.6%)												
WSIP 2030 Without Project	732	732	741	804	846	859	880	885	872	827	787	750
WSIP 2030 With Project	742	741	749	807	848	860	881	885	873	832	795	759
Difference	10	8	8	3	2	0	0	0	1	5	8	9
Percent Difference	1.3%	1.2%	1.1%	0.3%	0.2%	0.1%	0.0%	0.0%	0.1%	0.6%	1.0%	1.3%
Below Normal (20.7%)												
WSIP 2030 Without Project	693	695	723	753	792	827	846	847	828	769	720	706
WSIP 2030 With Project	704	705	731	756	794	830	848	849	833	782	735	720
Difference	11	10	8	4	3	3	2	2	5	13	15	14
Percent Difference	1.6%	1.4%	1.1%	0.5%	0.4%	0.3%	0.2%	0.2%	0.6%	1.6%	2.1%	1.9%
Dry (19.5%)												
WSIP 2030 Without Project	687	709	747	720	764	800	810	806	783	733	703	683
WSIP 2030 With Project	689	711	748	725	768	804	814	810	788	737	710	688
Difference	2	2	1	4	4	5	4	4	4	4	7	5
Percent Difference	0.3%	0.3%	0.1%	0.6%	0.5%	0.6%	0.5%	0.5%	0.5%	0.5%	1.0%	0.8%
Critical (14.6%)												
WSIP 2030 Without Project	645	659	687	694	714	736	735	726	706	671	652	646
WSIP 2030 With Project	651	663	691	702	722	744	743	737	718	679	662	652
Difference	6	5	4	8	8	8	9	10	12	8	9	6
Percent Difference	0.9%	0.7%	0.6%	1.1%	1.1%	1.1%	1.2%	1.4%	1.6%	1.2%	1.5%	0.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

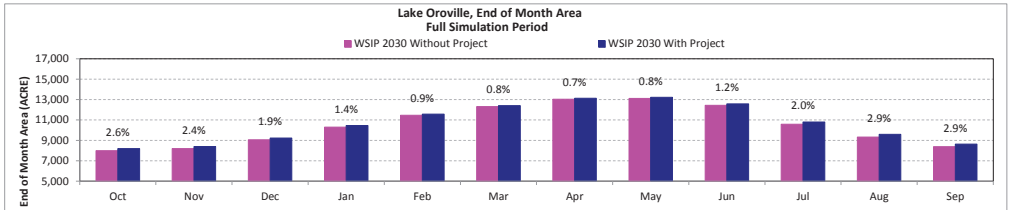
Table SW-20-a
Lake Oroville, End of Month Area
Long-term Average and Average by Water Year Type

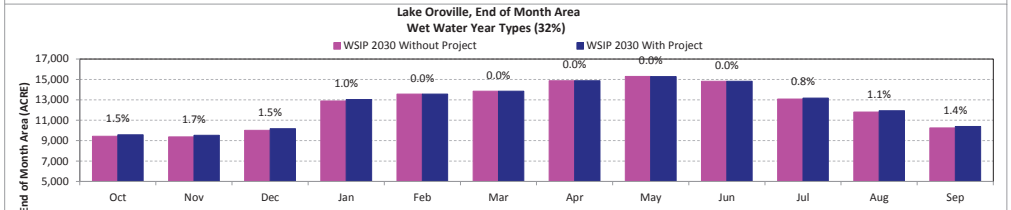
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	7,990	8,192	9,063	10,306	11,465	12,313	13,029	13,118	12,432	10,586	9,322	8,389
WSIP 2030 With Project	8,201	8,391	9,232	10,451	11,567	12,411	13,122	13,217	12,577	10,802	9,594	8,633
Difference	210	198	168	145	101	98	93	99	145	216	272	245
Percent Difference[3]	2.6%	2.4%	1.9%	1.4%	0.9%	0.8%	0.7%	0.8%	1.2%	2.0%	2.9%	2.9%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	9,433	9,364	10,019	12,895	13,560	13,849	14,864	15,286	14,820	13,073	11,805	10,245
WSIP 2030 With Project	9,579	9,524	10,171	13,027	13,563	13,849	14,863	15,282	14,818	13,175	11,935	10,386
Difference	146	160	152	132	3	0	-1	-5	-2	102	130	140
Percent Difference	1.5%	1.7%	1.5%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	1.1%	1.4%
Above Normal (14.6%)												
WSIP 2030 Without Project	8,758	8,793	9,116	11,489	13,203	13,827	14,845	15,053	14,439	12,323	10,696	9,358
WSIP 2030 With Project	9,088	9,078	9,395	11,584	13,284	13,848	14,866	15,071	14,497	12,533	10,990	9,684
Difference	331	286	279	94	82	22	21	19	57	209	293	326
Percent Difference	3.8%	3.2%	3.1%	0.8%	0.6%	0.2%	0.1%	0.1%	0.4%	1.7%	2.7%	3.5%
Below Normal (20.7%)												
WSIP 2030 Without Project	7,407	7,467	8,527	9,472	10,943	12,354	13,198	13,219	12,358	10,063	8,335	7,856
WSIP 2030 With Project	7,786	7,808	8,800	9,597	11,051	12,465	13,293	13,311	12,593	10,522	8,837	8,318
Difference	379	341	273	125	108	111	95	92	235	459	502	461
Percent Difference	5.1%	4.6%	3.2%	1.3%	1.0%	0.9%	0.7%	0.7%	1.9%	4.6%	6.0%	5.9%
Dry (19.5%)												
WSIP 2030 Without Project	7,292	8,063	9,466	8,365	9,911	11,266	11,709	11,544	10,649	8,801	7,782	7,106
WSIP 2030 With Project	7,387	8,156	9,495	8,504	10,048	11,425	11,862	11,688	10,822	8,946	8,040	7,305
Difference	94	93	29	139	136	159	153	144	174	145	258	198
Percent Difference	1.3%	1.2%	0.3%	1.7%	1.4%	1.4%	1.3%	1.2%	1.6%	1.6%	3.3%	2.8%
Critical (14.6%)												
WSIP 2030 Without Project	5,974	6,351	7,242	7,501	8,175	8,937	8,909	8,624	7,931	6,789	6,228	6,014
WSIP 2030 With Project	6,114	6,480	7,371	7,757	8,446	9,215	9,191	8,968	8,306	6,997	6,467	6,148
Difference	140	129	129	256	270	278	281	344	375	208	238	135
Percent Difference	2.3%	2.0%	1.8%	3.4%	3.3%	3.1%	3.2%	4.0%	4.7%	3.1%	3.8%	2.2%

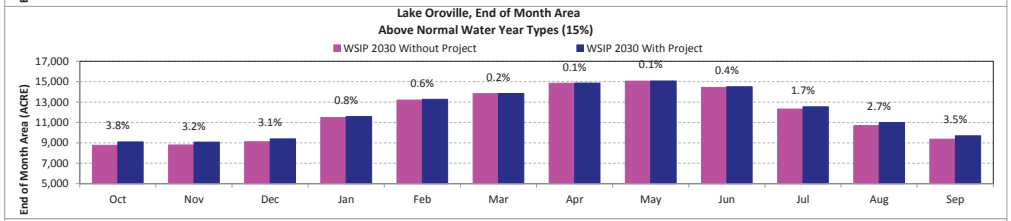
1 Based on the 82-year simulation period

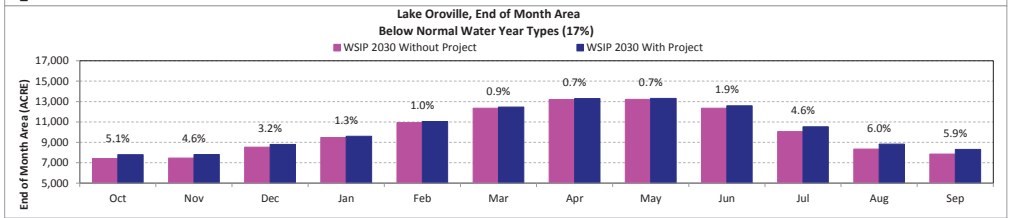
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

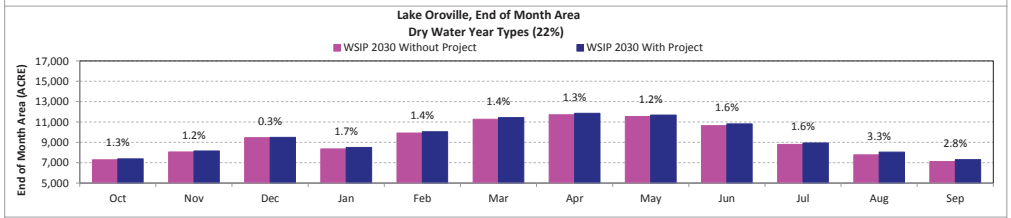
3 Relative difference of the monthly average











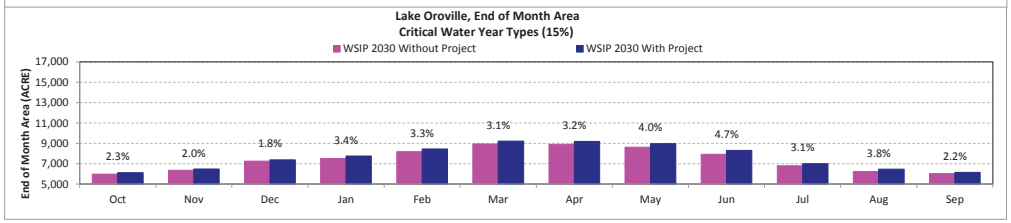


Table SW-21-a
Feather River at Thermalito Low Flow Channel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2030 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2030 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (14.6%)												
WSIP 2030 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2030 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (20.7%)												
WSIP 2030 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2030 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (19.5%)												
WSIP 2030 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2030 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (14.6%)												
WSIP 2030 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2030 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

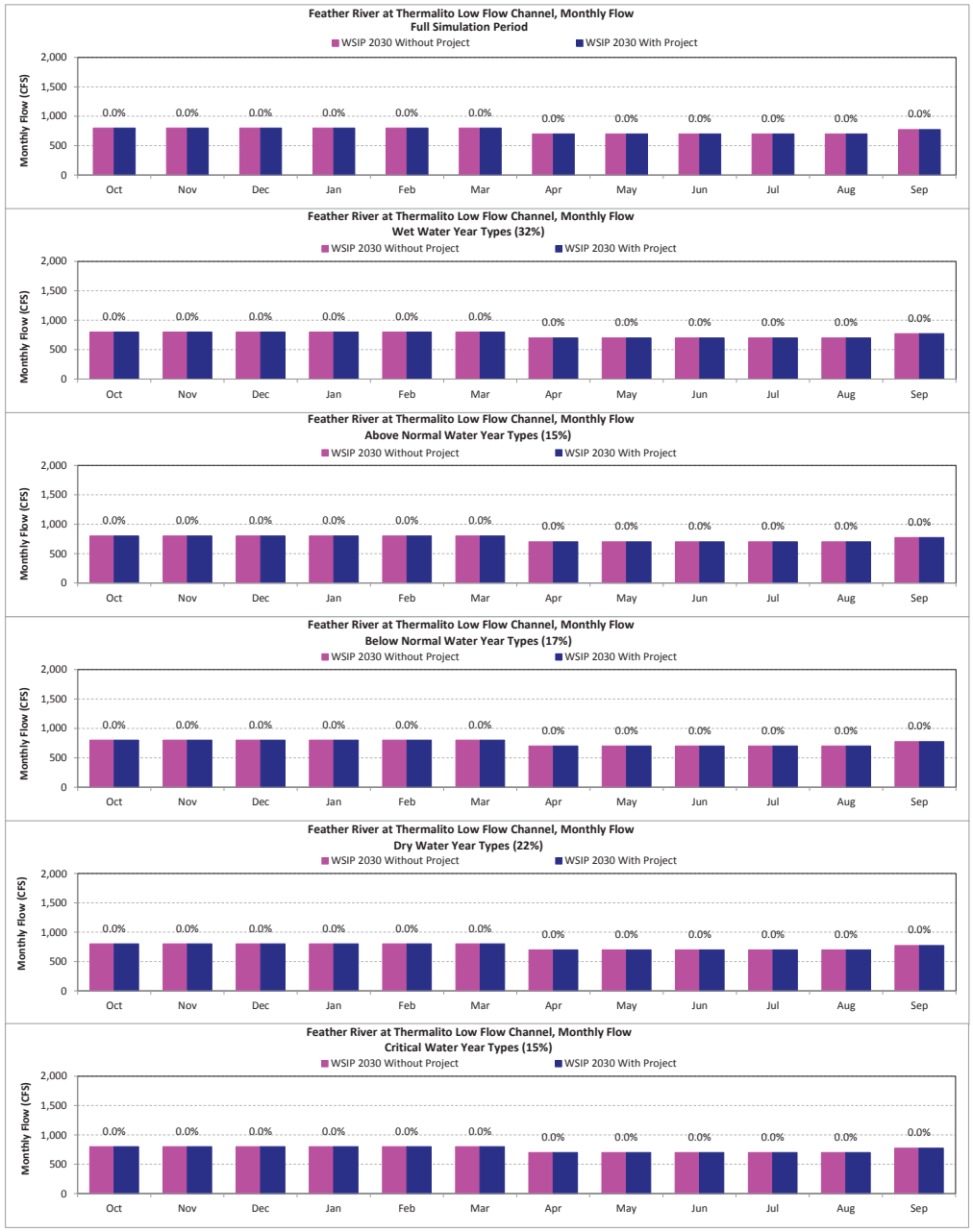


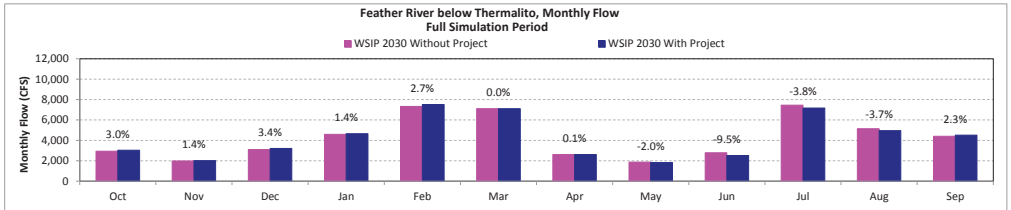
Table SW-22-a
Feather River below Thermalito, Monthly Flow
Long-term Average and Average by Water Year Type

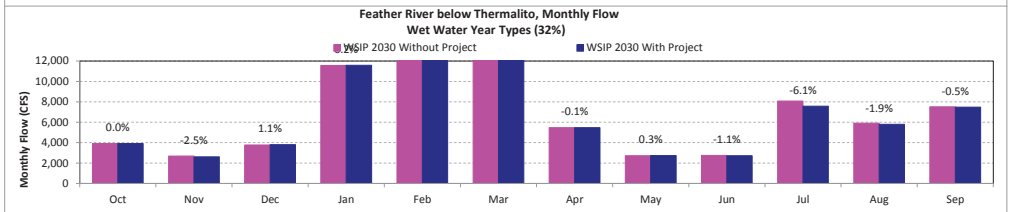
Analysis Period	Monthly Flow (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	2,945	1,986	3,101	4,598	7,321	7,112	2,613	1,865	2,779	7,452	5,138	4,407
WSIP 2030 With Project	3,035	2,015	3,206	4,663	7,518	7,109	2,617	1,828	2,514	7,165	4,947	4,507
Difference	90	28	105	65	197	-3	3	-38	-265	-287	-190	100
Percent Difference[3]	3.0%	1.4%	3.4%	1.4%	2.7%	0.0%	0.1%	-2.0%	-9.5%	-3.8%	-3.7%	2.3%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	3,908	2,681	3,765	11,561	17,554	14,599	5,472	2,719	2,745	8,076	5,914	7,511
WSIP 2030 With Project	3,908	2,614	3,808	11,589	18,213	14,614	5,466	2,728	2,716	7,580	5,804	7,476
Difference	0	-67	42	29	659	15	-6	9	-29	-496	-110	-35
Percent Difference	0.0%	-2.5%	1.1%	0.2%	3.8%	0.1%	-0.1%	0.3%	-1.1%	-6.1%	-1.9%	-0.5%
Above Normal (14.6%)												
WSIP 2030 Without Project	3,991	2,542	3,874	2,215	6,709	10,363	1,421	1,628	2,798	9,274	7,158	5,631
WSIP 2030 With Project	3,922	2,749	3,945	2,601	6,707	10,634	1,419	1,626	2,587	8,589	6,827	5,574
Difference	-69	207	72	386	-2	271	-2	-1	-211	-684	-331	-57
Percent Difference	-1.7%	8.1%	1.9%	17.4%	0.0%	2.6%	-0.2%	-0.1%	-7.5%	-7.4%	-4.6%	-1.0%
Below Normal (20.7%)												
WSIP 2030 Without Project	2,712	1,853	1,928	1,477	2,316	2,489	1,378	1,311	3,160	8,795	6,558	2,542
WSIP 2030 With Project	2,839	1,883	2,100	1,477	2,365	2,452	1,424	1,293	2,444	7,918	6,542	2,688
Difference	127	30	172	0	49	-37	46	-18	-717	-877	-16	146
Percent Difference	4.7%	1.6%	8.9%	0.0%	2.1%	-1.5%	3.3%	-1.4%	-22.7%	-10.0%	-0.2%	5.7%
Dry (19.5%)												
WSIP 2030 Without Project	2,152	1,343	3,888	1,388	1,547	2,123	1,539	1,669	2,951	6,661	3,529	2,787
WSIP 2030 With Project	2,523	1,415	4,147	1,388	1,536	2,003	1,527	1,685	2,727	6,869	3,063	2,985
Difference	371	72	260	0	-11	-121	-12	17	-224	208	-466	199
Percent Difference	17.3%	5.4%	6.7%	0.0%	-0.7%	-5.7%	-0.8%	1.0%	-7.6%	3.1%	-13.2%	7.1%
Critical (14.6%)												
WSIP 2030 Without Project	1,280	1,031	1,560	1,175	1,405	1,465	1,033	1,373	2,061	3,481	1,631	1,517
WSIP 2030 With Project	1,288	1,019	1,527	1,175	1,325	1,358	1,023	1,102	1,838	4,205	1,537	1,859
Difference	8	-12	-32	0	-80	-107	-10	-271	-223	724	-95	342
Percent Difference	0.6%	-1.1%	-2.1%	0.0%	-5.7%	-7.3%	-1.0%	-19.7%	-10.8%	20.8%	-5.8%	22.6%

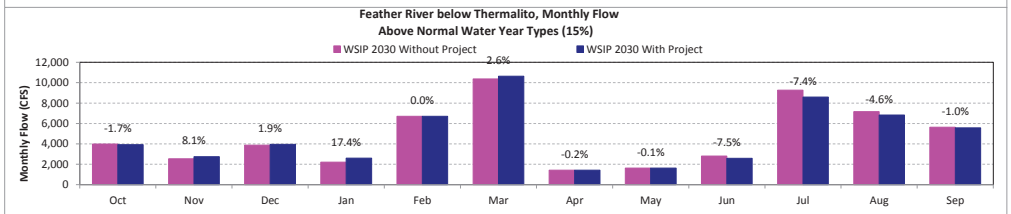
1 Based on the 82-year simulation period

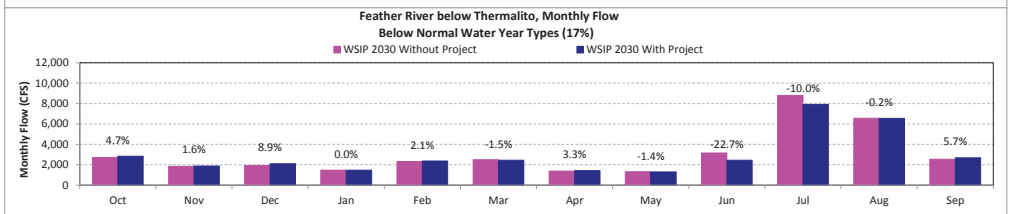
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

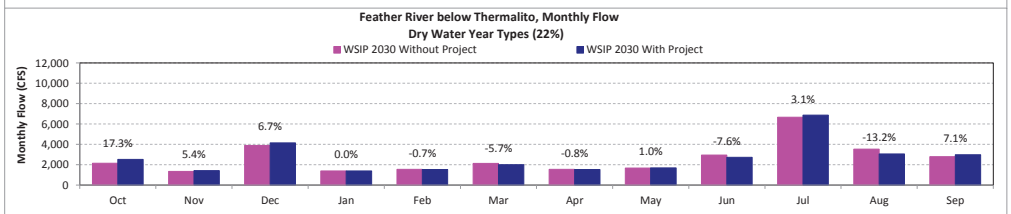
3 Relative difference of the monthly average











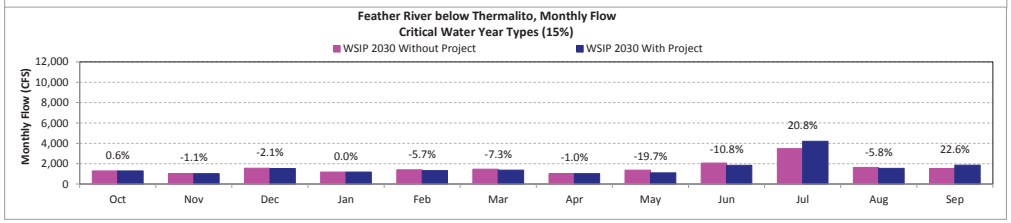


Table SW-23-a
Feather River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	3,463	2,962	6,097	12,539	16,361	15,102	7,890	4,438	3,887	7,713	5,959	6,127
WSIP 2030 With Project	3,554	2,990	6,204	12,600	16,553	15,101	7,897	4,402	3,625	7,431	5,768	6,239
Difference	91	28	108	61	192	-1	6	-35	-262	-282	-192	112
Percent Difference[3]	2.6%	0.9%	1.8%	0.5%	1.2%	0.0%	0.1%	-0.8%	-6.7%	-3.7%	-3.2%	1.8%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	4,312	3,627	7,948	27,310	34,435	27,089	14,539	6,720	4,762	8,784	7,139	9,542
WSIP 2030 With Project	4,312	3,561	7,991	27,339	35,094	27,103	14,537	6,730	4,735	8,288	7,039	9,520
Difference	1	-67	43	29	659	14	-3	10	-28	-496	-99	-22
Percent Difference	0.0%	-1.8%	0.5%	0.1%	1.9%	0.1%	0.0%	0.2%	-0.6%	-5.6%	-1.4%	-0.2%
Above Normal (14.6%)												
WSIP 2030 Without Project	4,472	3,806	5,764	10,743	18,451	22,081	8,045	4,701	4,079	9,503	8,010	7,565
WSIP 2030 With Project	4,403	4,013	5,834	11,130	18,448	22,352	8,043	4,701	3,870	8,819	7,678	7,511
Difference	-69	207	71	387	-3	271	-2	0	-209	-685	-332	-54
Percent Difference	-1.5%	5.4%	1.2%	3.6%	0.0%	1.2%	0.0%	0.0%	-5.1%	-7.2%	-4.1%	-0.7%
Below Normal (20.7%)												
WSIP 2030 Without Project	3,212	2,437	4,565	5,960	7,819	9,831	5,298	3,602	4,070	9,060	7,476	4,396
WSIP 2030 With Project	3,336	2,468	4,738	5,962	7,871	9,795	5,347	3,586	3,353	8,186	7,457	4,543
Difference	124	31	173	3	53	-36	49	-15	-717	-874	-19	147
Percent Difference	3.9%	1.3%	3.8%	0.0%	0.7%	-0.4%	0.9%	-0.4%	-17.6%	-9.7%	-0.2%	3.3%
Dry (19.5%)												
WSIP 2030 Without Project	3,203	3,012	8,318	4,400	5,231	5,665	3,780	3,283	3,455	6,552	4,023	4,559
WSIP 2030 With Project	3,577	3,077	8,581	4,391	5,193	5,537	3,772	3,303	3,234	6,782	3,554	4,799
Difference	374	65	263	-10	-38	-129	-8	20	-221	230	-469	240
Percent Difference	11.7%	2.2%	3.2%	-0.2%	-0.7%	-2.3%	-0.2%	0.6%	-6.4%	3.5%	-11.6%	5.3%
Critical (14.6%)												
WSIP 2030 Without Project	1,389	1,412	1,783	3,735	3,556	3,198	3,035	2,145	2,189	3,331	1,885	2,114
WSIP 2030 With Project	1,402	1,404	1,761	3,712	3,474	3,113	3,029	1,878	1,976	4,052	1,765	2,452
Difference	13	-8	-22	-23	-82	-85	-6	-267	-214	721	-120	338
Percent Difference	0.9%	-0.5%	-1.2%	-0.6%	-2.3%	-2.7%	-0.2%	-12.4%	-9.8%	21.6%	-6.4%	16.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-24-a
Folsom Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	392	399	446	475	496	598	713	769	701	523	478	428
WSIP 2030 With Project	404	404	451	476	499	599	713	764	696	547	499	447
Difference	12	5	5	1	3	2	0	-4	-5	24	21	19
Percent Difference[3]	3.1%	1.3%	1.2%	0.3%	0.6%	0.3%	0.0%	-0.5%	-0.7%	4.6%	4.4%	4.5%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	454	431	476	520	508	626	767	898	853	678	625	508
WSIP 2030 With Project	448	428	475	520	508	626	767	896	848	679	624	516
Difference	-5	-4	-1	0	0	0	0	-2	-5	1	-1	9
Percent Difference	-1.2%	-0.8%	-0.1%	0.0%	0.0%	0.0%	0.0%	-0.2%	-0.6%	0.2%	-0.2%	1.7%
Above Normal (14.6%)												
WSIP 2030 Without Project	414	428	462	531	548	643	778	844	778	544	508	459
WSIP 2030 With Project	444	441	478	530	548	643	778	841	769	580	539	487
Difference	30	13	16	-1	0	0	0	-3	-9	37	31	28
Percent Difference	7.3%	3.0%	3.5%	-0.3%	0.0%	0.0%	0.0%	-0.4%	-1.2%	6.8%	6.1%	6.2%
Below Normal (20.7%)												
WSIP 2030 Without Project	398	404	461	500	536	627	775	796	718	482	448	437
WSIP 2030 With Project	420	419	471	500	540	629	772	790	700	526	482	464
Difference	22	15	9	-1	4	1	-2	-6	-17	44	35	27
Percent Difference	5.6%	3.8%	2.0%	-0.2%	0.7%	0.2%	-0.3%	-0.7%	-2.4%	9.1%	7.7%	6.1%
Dry (19.5%)												
WSIP 2030 Without Project	360	400	403	419	479	594	689	699	596	438	381	371
WSIP 2030 With Project	388	411	412	417	482	597	690	692	604	483	430	410
Difference	28	11	8	-2	3	4	1	-8	8	44	50	38
Percent Difference	7.7%	2.8%	2.1%	-0.6%	0.6%	0.6%	0.2%	-1.1%	1.3%	10.1%	13.1%	10.4%
Critical (14.6%)												
WSIP 2030 Without Project	275	293	402	361	384	457	484	476	422	353	316	293
WSIP 2030 With Project	269	286	398	375	395	461	484	473	425	355	316	289
Difference	-6	-7	-4	15	11	4	0	-3	3	2	0	-4
Percent Difference	-2.1%	-2.3%	-0.9%	4.0%	2.9%	0.9%	0.1%	-0.6%	0.7%	0.6%	0.0%	-1.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-25-a
Folsom Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	399	401	407	411	414	427	439	445	437	416	410	404
WSIP 2030 With Project	401	401	408	411	414	427	439	444	437	419	413	407
Difference	2	1	1	0	0	0	0	-1	-1	3	3	3
Percent Difference[3]	0.4%	0.2%	0.2%	0.0%	0.1%	0.0%	0.0%	-0.1%	-0.2%	0.7%	0.7%	0.7%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	408	406	412	417	416	431	445	458	454	435	429	415
WSIP 2030 With Project	408	405	412	417	416	431	445	458	453	435	429	416
Difference	-1	0	0	0	0	0	0	0	-1	0	0	1
Percent Difference	-0.2%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.2%
Above Normal (14.6%)												
WSIP 2030 Without Project	403	405	410	419	421	433	447	453	447	420	416	410
WSIP 2030 With Project	408	407	412	419	421	433	447	453	446	424	419	413
Difference	4	2	2	0	0	0	0	0	-1	4	4	4
Percent Difference	1.0%	0.4%	0.5%	-0.1%	0.0%	0.0%	0.0%	-0.1%	-0.2%	1.0%	0.9%	0.9%
Below Normal (20.7%)												
WSIP 2030 Without Project	401	402	409	415	419	431	446	448	440	412	408	407
WSIP 2030 With Project	404	404	410	415	420	431	446	448	438	418	413	410
Difference	3	2	1	0	0	0	0	-1	-2	6	5	4
Percent Difference	0.8%	0.6%	0.3%	0.0%	0.1%	0.0%	-0.1%	-0.1%	-0.4%	1.4%	1.2%	0.9%
Dry (19.5%)												
WSIP 2030 Without Project	395	400	401	403	412	427	437	438	427	406	397	396
WSIP 2030 With Project	399	402	402	403	412	427	437	437	427	412	405	402
Difference	4	2	1	-1	0	0	0	-1	1	6	8	6
Percent Difference	1.1%	0.5%	0.3%	-0.1%	0.1%	0.1%	0.0%	-0.2%	0.2%	1.5%	2.0%	1.5%
Critical (14.6%)												
WSIP 2030 Without Project	381	383	401	395	398	408	412	411	404	393	388	384
WSIP 2030 With Project	380	382	400	397	400	408	411	409	403	394	388	383
Difference	-1	-1	-1	2	1	0	-1	-1	-1	0	0	-1
Percent Difference	-0.3%	-0.3%	-0.1%	0.5%	0.4%	0.1%	-0.2%	-0.3%	-0.2%	0.0%	0.0%	-0.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-26-a
Folsom Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	6,614	6,705	7,185	7,472	7,692	8,646	9,475	9,797	9,320	7,834	7,425	6,980
WSIP 2030 With Project	6,744	6,760	7,236	7,482	7,719	8,658	9,469	9,758	9,281	8,056	7,641	7,173
Difference	130	56	51	10	27	12	-6	-40	-39	222	216	193
Percent Difference[3]	2.0%	0.8%	0.7%	0.1%	0.4%	0.1%	-0.1%	-0.4%	-0.4%	2.8%	2.9%	2.8%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	7,262	7,090	7,518	7,950	7,840	8,930	9,911	10,695	10,415	9,156	8,779	7,772
WSIP 2030 With Project	7,213	7,055	7,510	7,950	7,840	8,930	9,911	10,680	10,378	9,160	8,769	7,833
Difference	-49	-36	-8	0	0	0	0	-15	-37	3	-10	62
Percent Difference	-0.7%	-0.5%	-0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.4%	0.0%	-0.1%	0.8%
Above Normal (14.6%)												
WSIP 2030 Without Project	6,905	7,031	7,373	8,054	8,212	9,087	10,001	10,396	10,001	8,119	7,812	7,378
WSIP 2030 With Project	7,208	7,162	7,523	8,038	8,212	9,087	10,001	10,376	9,936	8,428	8,075	7,641
Difference	303	130	150	-16	0	0	0	-20	-65	310	263	263
Percent Difference	4.4%	1.9%	2.0%	-0.2%	0.0%	0.0%	0.0%	-0.2%	-0.7%	3.8%	3.4%	3.6%
Below Normal (20.7%)												
WSIP 2030 Without Project	6,748	6,809	7,335	7,744	8,092	8,927	9,982	10,102	9,582	7,529	7,233	7,146
WSIP 2030 With Project	6,981	6,975	7,431	7,738	8,124	8,939	9,965	10,063	9,449	7,956	7,583	7,418
Difference	233	167	96	-5	32	13	-17	-40	-133	427	350	273
Percent Difference	3.5%	2.4%	1.3%	-0.1%	0.4%	0.1%	-0.2%	-0.4%	-1.4%	5.7%	4.8%	3.8%
Dry (19.5%)												
WSIP 2030 Without Project	6,243	6,667	6,730	6,888	7,537	8,628	9,324	9,378	8,606	7,093	6,450	6,382
WSIP 2030 With Project	6,567	6,801	6,827	6,847	7,564	8,659	9,333	9,314	8,670	7,538	7,006	6,819
Difference	324	133	98	-41	27	31	9	-63	65	444	555	437
Percent Difference	5.2%	2.0%	1.5%	-0.6%	0.4%	0.4%	0.1%	-0.7%	0.8%	6.3%	8.6%	6.8%
Critical (14.6%)												
WSIP 2030 Without Project	5,277	5,477	6,698	6,290	6,503	7,241	7,527	7,454	6,941	6,213	5,786	5,495
WSIP 2030 With Project	5,202	5,386	6,648	6,435	6,606	7,267	7,498	7,376	6,915	6,219	5,782	5,455
Difference	-75	-90	-50	145	103	25	-29	-78	-26	6	-4	-41
Percent Difference	-1.4%	-1.6%	-0.7%	2.3%	1.6%	0.3%	-0.4%	-1.0%	-0.4%	0.1%	-0.1%	-0.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-27-a
American River below Nimbus Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	1,524	2,495	4,038	6,122	7,443	5,203	3,262	1,906	1,757	3,394	1,528	1,814
WSIP 2030 With Project	1,639	2,609	4,038	6,186	7,412	5,226	3,291	1,970	1,767	2,931	1,573	1,847
Difference	114	114	0	64	-31	23	30	64	9	-463	45	34
Percent Difference[3]	7.5%	4.6%	0.0%	1.0%	-0.4%	0.4%	0.9%	3.3%	0.5%	-13.6%	3.0%	1.9%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	1,790	3,479	4,792	12,905	13,091	8,133	5,995	3,054	1,857	3,698	1,891	3,178
WSIP 2030 With Project	2,018	3,451	4,744	12,913	13,091	8,133	5,995	3,085	1,915	3,590	1,930	3,014
Difference	227	-28	-49	8	0	0	0	31	57	-108	39	-164
Percent Difference	12.7%	-0.8%	-1.0%	0.1%	0.0%	0.0%	0.0%	1.0%	3.1%	-2.9%	2.1%	-5.2%
Above Normal (14.6%)												
WSIP 2030 Without Project	1,638	2,294	3,458	6,988	9,155	7,059	3,045	1,770	1,627	4,429	1,534	1,789
WSIP 2030 With Project	1,591	2,584	3,410	7,051	9,132	7,058	3,044	1,824	1,719	3,682	1,629	1,835
Difference	-47	290	-49	64	-24	-1	-1	54	92	-747	95	47
Percent Difference	-2.9%	12.7%	-1.4%	0.9%	-0.3%	0.0%	0.0%	3.1%	5.7%	-16.9%	6.2%	2.6%
Below Normal (20.7%)												
WSIP 2030 Without Project	1,431	1,697	2,949	2,793	5,986	4,792	2,531	1,510	1,758	4,297	1,394	1,206
WSIP 2030 With Project	1,506	1,816	3,048	2,814	5,904	4,827	2,596	1,561	1,957	3,291	1,539	1,337
Difference	74	119	99	21	-82	35	66	52	200	-1,006	145	131
Percent Difference	5.2%	7.0%	3.4%	0.7%	-1.4%	0.7%	2.6%	3.4%	11.4%	-23.4%	10.4%	10.8%
Dry (19.5%)												
WSIP 2030 Without Project	1,563	3,122	6,604	2,090	3,422	2,714	1,534	1,319	2,096	2,764	1,527	1,063
WSIP 2030 With Project	1,734	3,404	6,648	2,281	3,328	2,700	1,573	1,461	1,840	2,152	1,436	1,249
Difference	170	282	45	191	-95	-14	39	142	-256	-612	-91	186
Percent Difference	10.9%	9.0%	0.7%	9.1%	-2.8%	-0.5%	2.6%	10.8%	-12.2%	-22.1%	-6.0%	17.5%
Critical (14.6%)												
WSIP 2030 Without Project	936	943	1,169	1,216	1,390	1,143	1,124	996	1,227	1,286	958	858
WSIP 2030 With Project	957	947	1,117	1,290	1,442	1,270	1,182	1,050	1,137	1,338	1,009	950
Difference	21	4	-52	74	53	127	58	55	-90	52	51	93
Percent Difference	2.3%	0.4%	-4.5%	6.1%	3.8%	11.1%	5.1%	5.5%	-7.4%	4.1%	5.3%	10.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

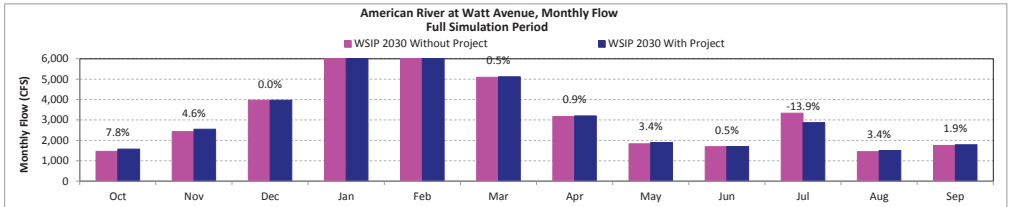
Table SW-28-a
American River at Watt Avenue, Monthly Flow
Long-term Average and Average by Water Year Type

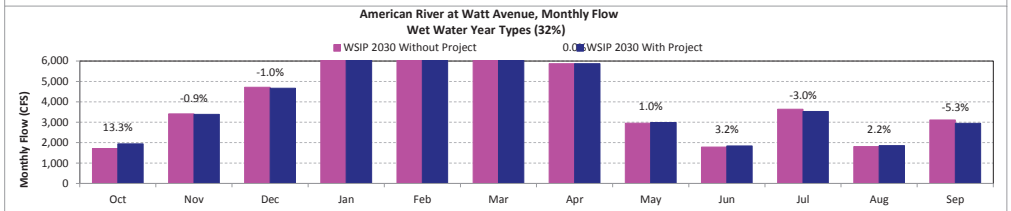
Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	1,462	2,433	3,969	6,040	7,335	5,093	3,169	1,833	1,692	3,331	1,451	1,752
WSIP 2030 With Project	1,575	2,546	3,968	6,104	7,303	5,117	3,198	1,896	1,700	2,869	1,500	1,784
Difference	113	113	-1	64	-32	23	29	63	8	-463	49	33
Percent Difference[3]	7.8%	4.6%	0.0%	1.1%	-0.4%	0.5%	0.9%	3.4%	0.5%	-13.9%	3.4%	1.9%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	1,715	3,414	4,715	12,784	12,920	7,975	5,873	2,955	1,781	3,635	1,811	3,112
WSIP 2030 With Project	1,944	3,384	4,666	12,792	12,920	7,975	5,873	2,985	1,838	3,526	1,851	2,947
Difference	229	-30	-48	8	0	0	0	31	57	-109	40	-164
Percent Difference	13.3%	-0.9%	-1.0%	0.1%	0.0%	0.0%	0.0%	1.0%	3.2%	-3.0%	2.2%	-5.3%
Above Normal (14.6%)												
WSIP 2030 Without Project	1,576	2,230	3,391	6,918	9,042	6,938	2,942	1,703	1,565	4,367	1,447	1,726
WSIP 2030 With Project	1,528	2,521	3,340	6,982	9,018	6,937	2,941	1,757	1,657	3,619	1,549	1,772
Difference	-47	291	-51	64	-25	-1	-1	54	92	-748	101	46
Percent Difference	-3.0%	13.0%	-1.5%	0.9%	-0.3%	0.0%	0.0%	3.2%	5.9%	-17.1%	7.0%	2.6%
Below Normal (20.7%)												
WSIP 2030 Without Project	1,374	1,635	2,887	2,725	5,908	4,696	2,441	1,444	1,695	4,234	1,309	1,145
WSIP 2030 With Project	1,447	1,753	2,985	2,747	5,826	4,732	2,506	1,494	1,894	3,226	1,463	1,274
Difference	73	118	98	22	-82	36	65	50	199	-1,008	154	129
Percent Difference	5.3%	7.2%	3.4%	0.8%	-1.4%	0.8%	2.7%	3.5%	11.7%	-23.8%	11.8%	11.2%
Dry (19.5%)												
WSIP 2030 Without Project	1,508	3,060	6,530	2,028	3,350	2,636	1,462	1,259	2,035	2,699	1,455	1,001
WSIP 2030 With Project	1,676	3,339	6,571	2,219	3,254	2,623	1,501	1,400	1,778	2,089	1,369	1,188
Difference	168	280	42	191	-97	-13	40	141	-257	-610	-86	186
Percent Difference	11.1%	9.1%	0.6%	9.4%	-2.9%	-0.5%	2.7%	11.2%	-12.6%	-22.6%	-5.9%	18.6%
Critical (14.6%)												
WSIP 2030 Without Project	885	888	1,115	1,156	1,327	1,085	1,067	941	1,172	1,229	900	803
WSIP 2030 With Project	904	892	1,063	1,229	1,379	1,211	1,124	993	1,080	1,282	950	894
Difference	19	4	-52	73	52	127	56	53	-92	53	50	91
Percent Difference	2.2%	0.5%	-4.7%	6.3%	3.9%	11.7%	5.3%	5.6%	-7.8%	4.3%	5.5%	11.3%

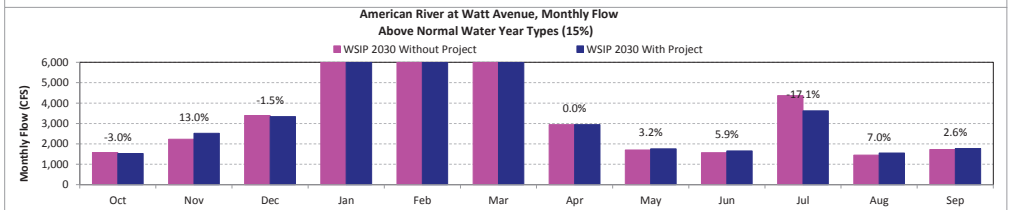
1 Based on the 82-year simulation period

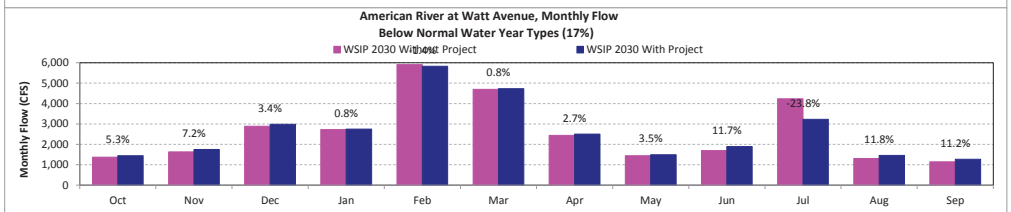
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

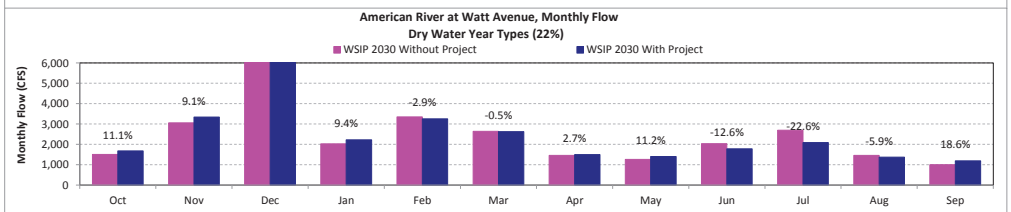
3 Relative difference of the monthly average











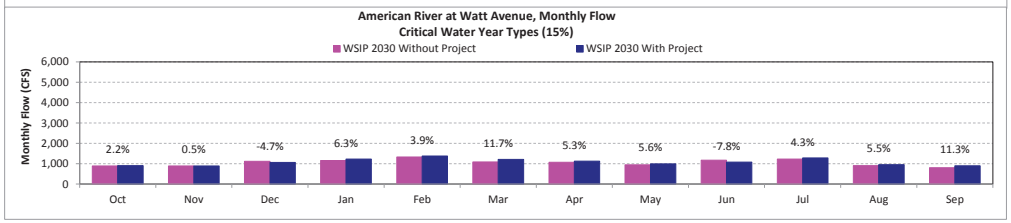


Table SW-29-a
American River at H Street, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	1,358	2,343	3,897	5,957	7,231	4,982	2,998	1,668	1,492	2,866	1,239	1,551
WSIP 2030 With Project	1,467	2,455	3,896	6,020	7,199	5,006	3,027	1,731	1,518	2,405	1,292	1,587
Difference	110	112	-1	63	-32	23	29	63	26	-461	53	36
Percent Difference[3]	8.1%	4.8%	0.0%	1.1%	-0.4%	0.5%	1.0%	3.8%	1.8%	-16.1%	4.3%	2.3%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	1,587	3,300	4,630	12,711	12,804	7,861	5,653	2,741	1,602	3,164	1,565	2,783
WSIP 2030 With Project	1,803	3,270	4,584	12,719	12,804	7,861	5,653	2,772	1,659	2,958	1,581	2,630
Difference	216	-30	-45	8	0	0	0	31	57	-206	16	-153
Percent Difference	13.6%	-0.9%	-1.0%	0.1%	0.0%	0.0%	0.0%	1.1%	3.6%	-6.5%	1.0%	-5.5%
Above Normal (14.6%)												
WSIP 2030 Without Project	1,470	2,126	3,323	6,844	8,938	6,821	2,747	1,542	1,386	3,811	1,270	1,530
WSIP 2030 With Project	1,422	2,419	3,272	6,903	8,913	6,820	2,745	1,597	1,478	3,063	1,371	1,576
Difference	-47	293	-51	60	-25	-1	-1	54	92	-748	101	46
Percent Difference	-3.2%	13.8%	-1.5%	0.9%	-0.3%	0.0%	-0.1%	3.5%	6.6%	-19.6%	8.0%	3.0%
Below Normal (20.7%)												
WSIP 2030 Without Project	1,279	1,563	2,816	2,633	5,801	4,583	2,296	1,291	1,494	3,674	1,112	1,017
WSIP 2030 With Project	1,352	1,682	2,910	2,655	5,719	4,619	2,361	1,342	1,692	2,708	1,266	1,145
Difference	73	118	93	22	-82	36	65	50	199	-966	154	129
Percent Difference	5.7%	7.6%	3.3%	0.8%	-1.4%	0.8%	2.8%	3.9%	13.3%	-26.3%	13.9%	12.7%
Dry (19.5%)												
WSIP 2030 Without Project	1,420	2,982	6,445	1,938	3,255	2,527	1,326	1,124	1,763	2,193	1,238	867
WSIP 2030 With Project	1,587	3,257	6,486	2,126	3,158	2,514	1,366	1,265	1,597	1,723	1,190	1,053
Difference	168	275	42	188	-97	-13	40	141	-166	-470	-48	186
Percent Difference	11.8%	9.2%	0.6%	9.7%	-3.0%	-0.5%	3.0%	12.6%	-9.4%	-21.4%	-3.9%	21.5%
Critical (14.6%)												
WSIP 2030 Without Project	798	816	1,082	1,067	1,238	986	942	817	1,005	1,055	707	675
WSIP 2030 With Project	817	820	1,030	1,140	1,290	1,113	998	869	913	1,077	782	765
Difference	19	4	-52	73	52	127	56	53	-92	22	75	91
Percent Difference	2.4%	0.5%	-4.8%	6.8%	4.2%	12.8%	6.0%	6.4%	-9.1%	2.1%	10.6%	13.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-46-a
Feather River at Shanghai Bend, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	3,534	3,095	5,911	9,135	12,324	11,310	4,718	3,192	3,487	8,064	5,915	4,946
WSIP 2030 With Project	3,624	3,121	6,017	9,194	12,515	11,309	4,721	3,154	3,222	7,778	5,727	5,055
Difference	90	26	106	60	190	-2	3	-38	-265	-286	-188	108
Percent Difference[3]	2.6%	0.9%	1.8%	0.7%	1.5%	0.0%	0.1%	-1.2%	-7.6%	-3.5%	-3.2%	2.2%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	4,470	3,833	7,029	20,480	25,722	21,242	9,332	5,198	3,762	8,894	6,981	8,177
WSIP 2030 With Project	4,470	3,766	7,072	20,509	26,380	21,257	9,326	5,206	3,733	8,398	6,871	8,141
Difference	0	-67	42	29	659	15	-6	9	-29	-496	-110	-35
Percent Difference	0.0%	-1.8%	0.6%	0.1%	2.6%	0.1%	-0.1%	0.2%	-0.8%	-5.6%	-1.6%	-0.4%
Above Normal (14.6%)												
WSIP 2030 Without Project	4,532	4,029	5,847	7,450	13,672	16,033	3,431	2,984	3,454	10,036	8,056	6,236
WSIP 2030 With Project	4,463	4,236	5,919	7,836	13,671	16,304	3,429	2,983	3,243	9,351	7,725	6,180
Difference	-69	207	72	386	-2	271	-2	-1	-211	-684	-331	-57
Percent Difference	-1.5%	5.1%	1.2%	5.2%	0.0%	1.7%	-0.1%	0.0%	-6.1%	-6.8%	-4.1%	-0.9%
Below Normal (20.7%)												
WSIP 2030 Without Project	3,222	2,604	4,179	4,082	6,172	5,688	2,849	2,063	3,804	9,348	7,373	3,106
WSIP 2030 With Project	3,349	2,634	4,351	4,082	6,221	5,651	2,895	2,045	3,088	8,471	7,357	3,252
Difference	127	30	172	0	49	-37	46	-18	-717	-877	-16	146
Percent Difference	3.9%	1.2%	4.1%	0.0%	0.8%	-0.6%	1.6%	-0.9%	-18.8%	-9.4%	-0.2%	4.7%
Dry (19.5%)												
WSIP 2030 Without Project	3,034	2,742	8,549	2,999	4,018	4,583	2,703	2,358	3,529	7,139	4,092	3,227
WSIP 2030 With Project	3,405	2,804	8,809	2,987	3,976	4,453	2,690	2,375	3,305	7,368	3,651	3,462
Difference	371	62	260	-11	-41	-131	-12	17	-224	228	-441	235
Percent Difference	12.2%	2.3%	3.0%	-0.4%	-1.0%	-2.9%	-0.5%	0.7%	-6.3%	3.2%	-10.8%	7.3%
Critical (14.6%)												
WSIP 2030 Without Project	1,693	1,786	2,585	2,521	2,858	2,832	1,728	1,931	2,438	3,775	1,920	1,826
WSIP 2030 With Project	1,705	1,774	2,559	2,497	2,774	2,744	1,717	1,660	2,215	4,478	1,803	2,177
Difference	12	-12	-25	-24	-84	-88	-10	-271	-223	703	-116	351
Percent Difference	0.7%	-0.7%	-1.0%	-0.9%	-2.9%	-3.1%	-0.6%	-14.0%	-9.1%	18.6%	-6.1%	19.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

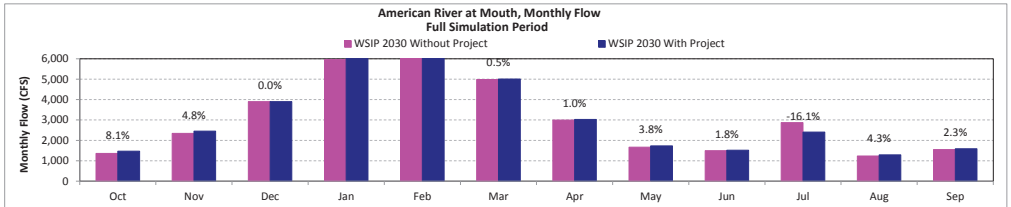
Table SW-47-a
American River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

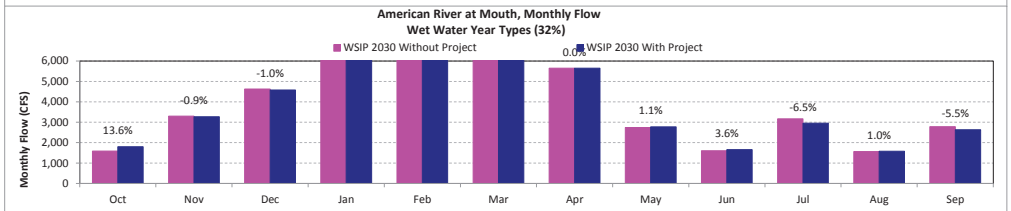
Analysis Period	Monthly Flow (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	1,358	2,343	3,897	5,957	7,231	4,982	2,998	1,668	1,492	2,866	1,239	1,551
WSIP 2030 With Project	1,467	2,455	3,896	6,020	7,199	5,006	3,027	1,731	1,518	2,405	1,292	1,587
Difference	110	112	-1	63	-32	23	29	63	26	-461	53	36
Percent Difference[3]	8.1%	4.8%	0.0%	1.1%	-0.4%	0.5%	1.0%	3.8%	1.8%	-16.1%	4.3%	2.3%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	1,587	3,300	4,630	12,711	12,804	7,861	5,653	2,741	1,602	3,164	1,565	2,783
WSIP 2030 With Project	1,803	3,270	4,584	12,719	12,804	7,861	5,653	2,772	1,659	2,958	1,581	2,630
Difference	216	-30	-45	8	0	0	0	31	57	-206	16	-153
Percent Difference	13.6%	-0.9%	-1.0%	0.1%	0.0%	0.0%	0.0%	1.1%	3.6%	-6.5%	1.0%	-5.5%
Above Normal (14.6%)												
WSIP 2030 Without Project	1,470	2,126	3,323	6,844	8,938	6,821	2,747	1,542	1,386	3,811	1,270	1,530
WSIP 2030 With Project	1,422	2,419	3,272	6,903	8,913	6,820	2,745	1,597	1,478	3,063	1,371	1,576
Difference	-47	293	-51	60	-25	-1	-1	54	92	-748	101	46
Percent Difference	-3.2%	13.8%	-1.5%	0.9%	-0.3%	0.0%	-0.1%	3.5%	6.6%	-19.6%	8.0%	3.0%
Below Normal (20.7%)												
WSIP 2030 Without Project	1,279	1,563	2,816	2,633	5,801	4,583	2,296	1,291	1,494	3,674	1,112	1,017
WSIP 2030 With Project	1,352	1,682	2,910	2,655	5,719	4,619	2,361	1,342	1,692	2,708	1,266	1,145
Difference	73	118	93	22	-82	36	65	50	199	-966	154	129
Percent Difference	5.7%	7.6%	3.3%	0.8%	-1.4%	0.8%	2.8%	3.9%	13.3%	-26.3%	13.9%	12.7%
Dry (19.5%)												
WSIP 2030 Without Project	1,420	2,982	6,445	1,938	3,255	2,527	1,326	1,124	1,763	2,193	1,238	867
WSIP 2030 With Project	1,587	3,257	6,486	2,126	3,158	2,514	1,366	1,265	1,597	1,723	1,190	1,053
Difference	168	275	42	188	-97	-13	40	141	-166	-470	-48	186
Percent Difference	11.8%	9.2%	0.6%	9.7%	-3.0%	-0.5%	3.0%	12.6%	-9.4%	-21.4%	-3.9%	21.5%
Critical (14.6%)												
WSIP 2030 Without Project	798	816	1,082	1,067	1,238	986	942	817	1,005	1,055	707	675
WSIP 2030 With Project	817	820	1,030	1,140	1,290	1,113	998	869	913	1,077	782	765
Difference	19	4	-52	73	52	127	56	53	-92	22	75	91
Percent Difference	2.4%	0.5%	-4.8%	6.8%	4.2%	12.8%	6.0%	6.4%	-9.1%	2.1%	10.6%	13.4%

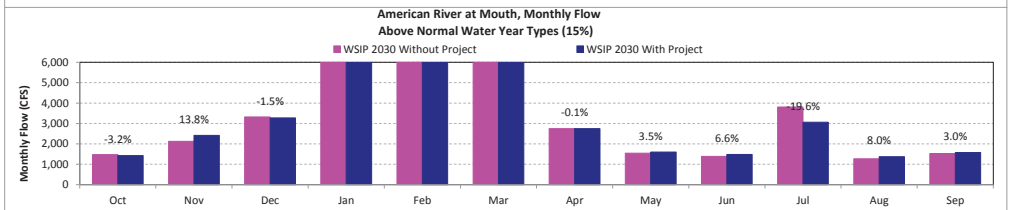
1 Based on the 82-year simulation period

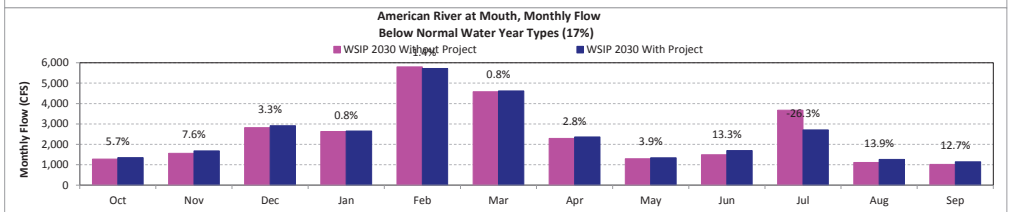
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

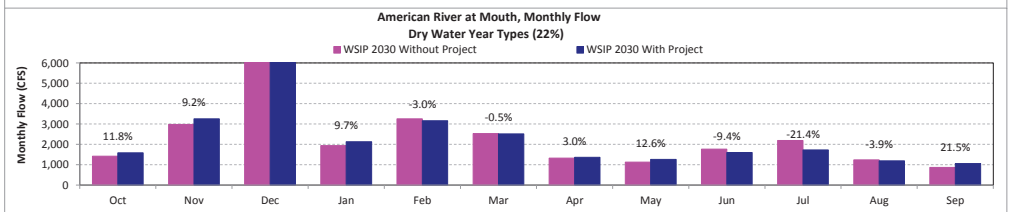
3 Relative difference of the monthly average











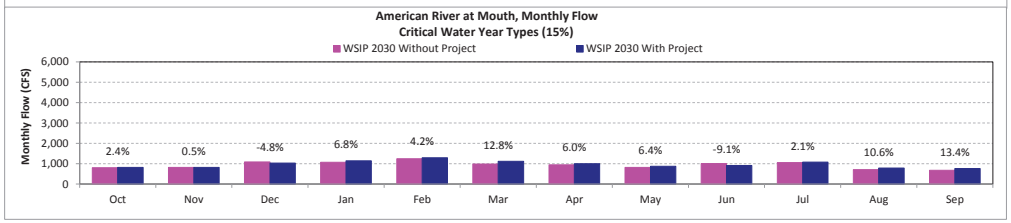


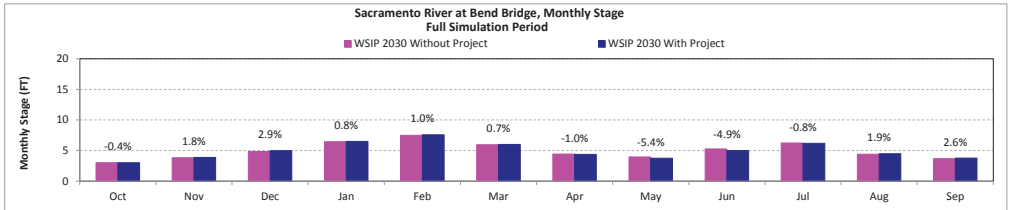
Table SW-53-a
Sacramento River at Bend Bridge, Monthly Stage
Long-term Average and Average by Water Year Type

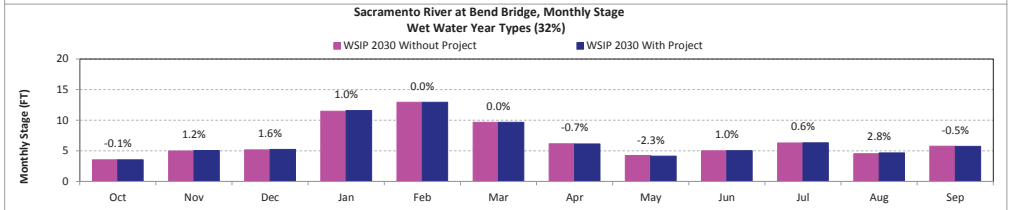
Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	3	4	5	6	8	6	4	4	5	6	4	4
WSIP 2030 With Project	3	4	5	6	8	6	4	4	5	6	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	-0.4%	1.8%	2.9%	0.8%	1.0%	0.7%	-1.0%	-5.4%	-4.9%	-0.8%	1.9%	2.6%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	4	5	5	11	13	10	6	4	5	6	5	6
WSIP 2030 With Project	4	5	5	12	13	10	6	4	5	6	5	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	1.2%	1.6%	1.0%	0.0%	0.0%	-0.7%	-2.3%	1.0%	0.6%	2.8%	-0.5%
Above Normal (14.6%)												
WSIP 2030 Without Project	3	5	4	8	9	7	4	4	6	7	5	4
WSIP 2030 With Project	3	5	5	8	9	7	4	4	5	6	4	4
Difference	0	0	1	0	0	0	0	0	-1	0	0	0
Percent Difference	2.4%	4.2%	11.7%	-1.2%	1.4%	2.5%	-1.7%	-5.5%	-13.1%	-0.1%	-4.9%	-5.2%
Below Normal (20.7%)												
WSIP 2030 Without Project	3	3	5	4	5	4	4	4	5	7	5	3
WSIP 2030 With Project	3	3	5	4	5	4	4	4	5	7	4	3
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	4.5%	3.9%	2.9%	-0.3%	2.0%	0.7%	4.0%	-5.2%	-8.7%	0.0%	-1.6%	10.1%
Dry (19.5%)												
WSIP 2030 Without Project	3	3	6	3	4	4	3	4	5	6	4	2
WSIP 2030 With Project	3	3	6	3	4	4	3	3	5	6	5	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-2.8%	0.5%	1.1%	5.5%	2.9%	0.8%	-2.0%	-7.2%	-4.2%	-1.1%	7.8%	12.3%
Critical (14.6%)												
WSIP 2030 Without Project	2	2	3	3	3	3	3	3	5	6	4	2
WSIP 2030 With Project	2	2	3	3	3	3	3	3	5	6	4	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-8.7%	-1.9%	0.0%	0.9%	1.7%	0.5%	-8.5%	-11.3%	-3.4%	-5.6%	4.8%	9.1%

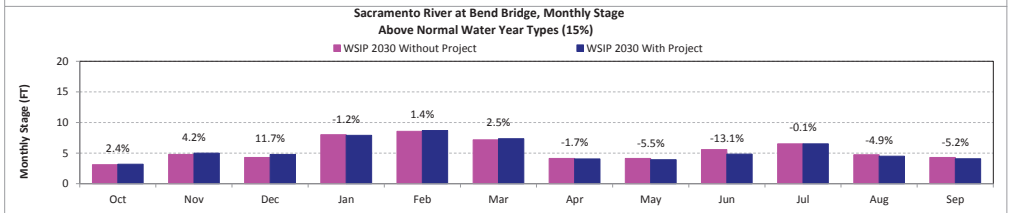
1 Based on the 82-year simulation period

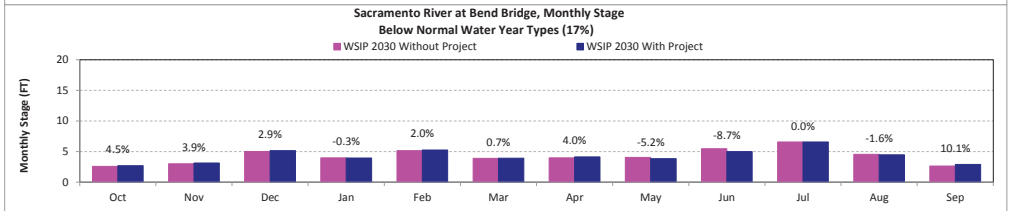
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

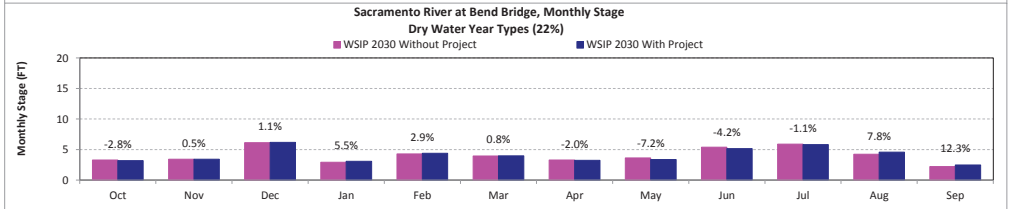
3 Relative difference of the monthly average











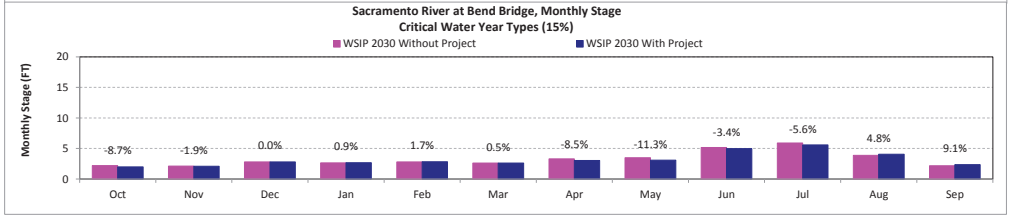


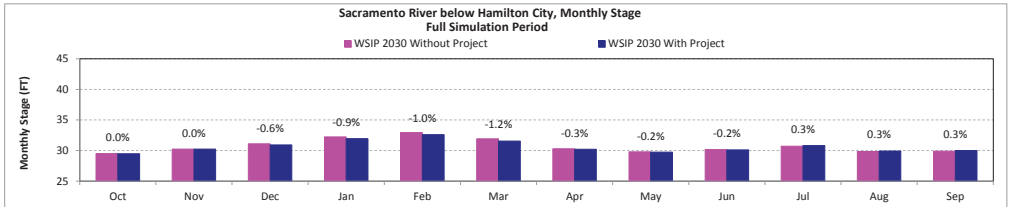
Table SW-54-a
Sacramento River below Hamilton City, Monthly Stage
Long-term Average and Average by Water Year Type

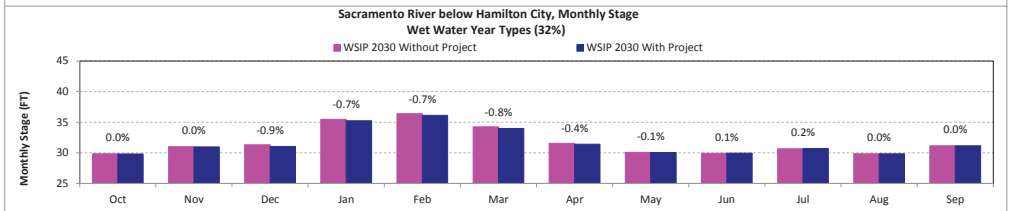
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Stage (FT)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	29	30	31	32	33	32	30	30	30	31	30	30
WSIP 2030 With Project	29	30	31	32	33	32	30	30	30	31	30	30
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	0.0%	0.0%	-0.6%	-0.9%	-1.0%	-1.2%	-0.3%	-0.2%	-0.2%	0.3%	0.3%	0.3%
	Water Year Types[2]											
Wet (30.5%)												
WSIP 2030 Without Project	30	31	31	35	36	34	32	30	30	31	30	31
WSIP 2030 With Project	30	31	31	35	36	34	31	30	30	31	30	31
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	-0.9%	-0.7%	-0.7%	-0.8%	-0.4%	-0.1%	0.1%	0.2%	0.0%	0.0%
Above Normal (14.6%)												
WSIP 2030 Without Project	30	31	31	33	34	33	30	30	30	31	30	30
WSIP 2030 With Project	30	31	31	33	33	32	30	30	30	31	30	30
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.1%	-0.1%	-0.6%	-1.3%	-1.1%	-1.0%	-0.5%	-0.3%	-0.8%	0.9%	-0.1%	-0.3%
Below Normal (20.7%)												
WSIP 2030 Without Project	29	30	31	31	31	31	30	30	30	31	30	29
WSIP 2030 With Project	29	30	31	30	31	30	30	30	30	31	30	30
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.5%	0.3%	0.2%	-1.2%	-0.8%	-1.6%	-0.3%	-0.3%	-0.4%	0.7%	0.0%	0.7%
Dry (19.5%)												
WSIP 2030 Without Project	30	30	32	30	31	31	29	30	30	31	30	29
WSIP 2030 With Project	30	30	32	30	30	30	29	29	30	31	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.4%	-0.2%	-0.7%	-0.8%	-1.6%	-1.6%	0.0%	-0.2%	0.0%	0.3%	0.9%	0.8%
Critical (14.6%)												
WSIP 2030 Without Project	29	29	30	30	30	30	29	29	30	31	30	29
WSIP 2030 With Project	29	29	29	30	30	29	29	29	30	31	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.4%	-0.2%	-1.2%	-0.6%	-1.0%	-1.0%	0.0%	-0.2%	0.0%	-0.3%	0.6%	0.6%

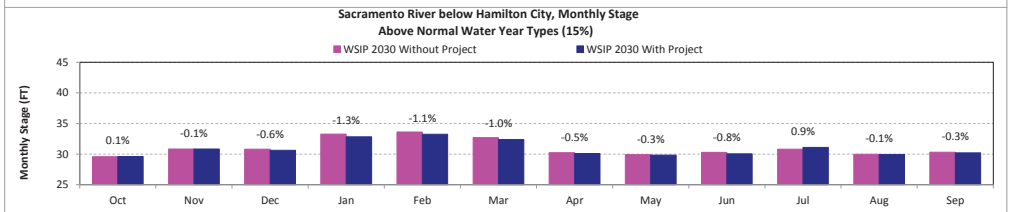
1 Based on the 82-year simulation period

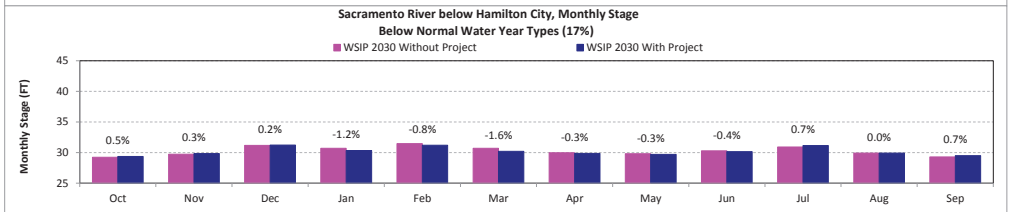
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

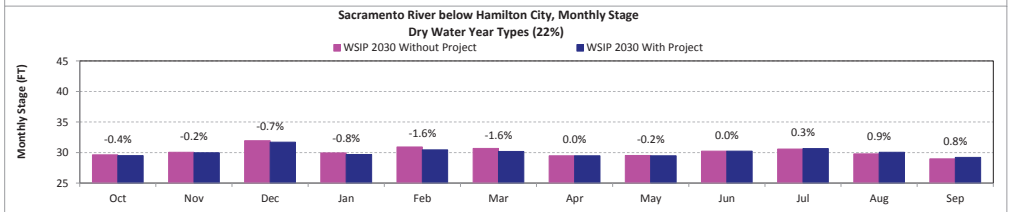
3 Relative difference of the monthly average











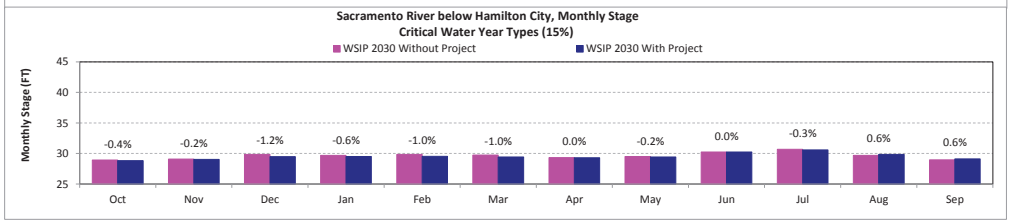


Table SW-56-a
Sacramento River at Wilkins Slough, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	29	32	35	37	39	37	31	29	29	31	28	31
WSIP 2030 With Project	30	32	34	36	38	36	31	29	30	32	29	32
Difference	1	0	-1	-1	-1	-1	0	0	1	1	1	1
Percent Difference[3]	2.0%	0.8%	-1.7%	-2.8%	-2.5%	-3.2%	-0.5%	-0.5%	2.3%	4.0%	3.2%	3.5%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	30	35	36	42	43	41	36	31	29	31	28	36
WSIP 2030 With Project	31	35	35	42	43	41	36	31	29	31	29	36
Difference	0	0	-1	-1	0	0	0	0	0	1	0	0
Percent Difference	0.6%	0.2%	-2.2%	-1.2%	-0.7%	-1.1%	-0.9%	-0.1%	1.6%	1.7%	0.3%	1.0%
Above Normal (14.6%)												
WSIP 2030 Without Project	29	34	34	40	41	40	32	30	30	31	29	33
WSIP 2030 With Project	30	34	33	39	40	39	32	29	30	33	29	33
Difference	0	0	-1	-1	-1	-1	0	0	0	2	0	1
Percent Difference	1.5%	0.0%	-2.2%	-2.2%	-2.1%	-2.6%	-1.3%	-1.2%	0.5%	7.2%	1.1%	1.9%
Below Normal (20.7%)												
WSIP 2030 Without Project	28	30	35	35	37	36	31	29	29	32	29	29
WSIP 2030 With Project	30	31	35	34	36	34	31	29	30	34	29	30
Difference	1	1	0	-2	-1	-2	0	0	1	2	1	2
Percent Difference	4.3%	1.8%	1.1%	-4.5%	-2.5%	-5.2%	-0.6%	-1.2%	2.8%	6.7%	2.5%	5.9%
Dry (19.5%)												
WSIP 2030 Without Project	29	31	36	32	36	35	28	27	29	30	28	28
WSIP 2030 With Project	30	32	36	31	34	34	28	27	30	32	30	30
Difference	1	0	-1	-2	-2	-2	0	0	1	2	2	2
Percent Difference	2.0%	1.1%	-1.7%	-4.7%	-5.6%	-4.9%	0.2%	-1.1%	3.4%	5.1%	8.1%	6.5%
Critical (14.6%)												
WSIP 2030 Without Project	27	28	32	31	32	32	27	27	29	31	28	28
WSIP 2030 With Project	28	28	30	31	31	31	27	27	30	31	30	29
Difference	1	0	-1	-1	-1	-1	0	0	1	0	2	1
Percent Difference	2.2%	1.5%	-4.6%	-2.5%	-3.4%	-3.5%	0.9%	1.0%	3.5%	0.2%	5.9%	4.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

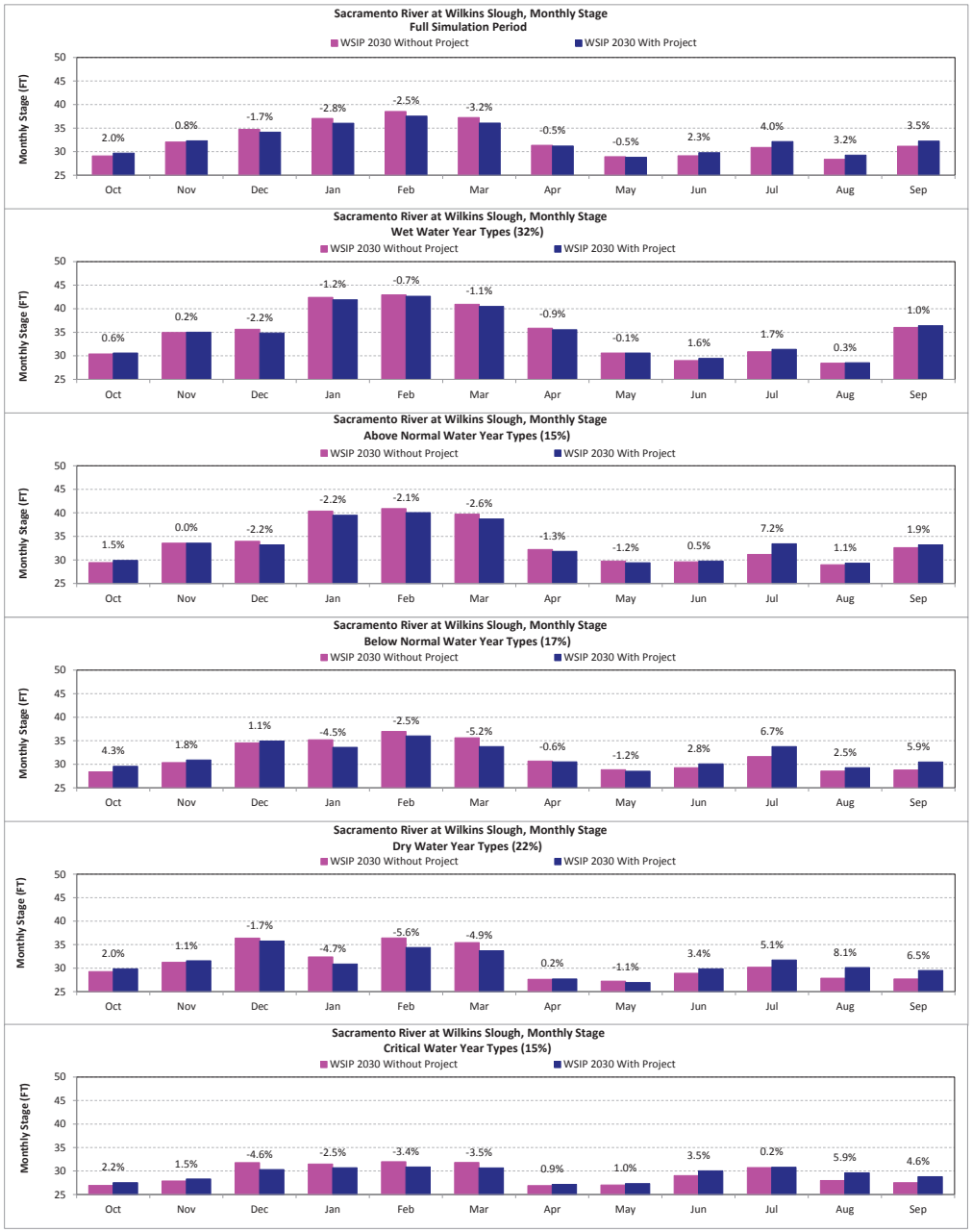


Table SW-57-a
Feather River near Gridley, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	74	74	74	75	76	76	74	74	74	77	76	75
WSIP 2030 With Project	75	74	74	75	76	76	74	74	74	77	76	75
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	0.1%	0.0%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	-0.2%	-0.1%	-0.1%	0.1%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	75	74	75	78	80	79	76	74	74	77	76	77
WSIP 2030 With Project	75	74	75	78	80	79	76	74	74	77	76	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.1%	0.3%	0.0%	0.0%	0.0%	0.1%	-0.3%	0.0%	0.0%
Above Normal (14.6%)												
WSIP 2030 Without Project	75	74	75	74	76	78	73	73	74	78	77	76
WSIP 2030 With Project	75	74	75	74	76	78	73	73	74	77	77	76
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	0.1%	0.1%	0.3%	0.0%	0.2%	0.0%	0.0%	-0.1%	-0.4%	-0.2%	0.0%
Below Normal (20.7%)												
WSIP 2030 Without Project	74	74	74	73	74	74	73	73	75	77	76	74
WSIP 2030 With Project	74	74	74	73	74	74	73	73	74	77	76	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.1%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.6%	-0.5%	0.0%	0.2%
Dry (19.5%)												
WSIP 2030 Without Project	74	73	75	73	74	74	73	74	75	76	75	74
WSIP 2030 With Project	74	73	75	73	74	74	73	74	74	77	74	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.2%	0.1%	0.1%	0.0%	0.0%	-0.1%	0.0%	0.0%	-0.2%	0.2%	-0.4%	0.3%
Critical (14.6%)												
WSIP 2030 Without Project	73	73	73	73	73	73	73	73	74	75	74	74
WSIP 2030 With Project	73	73	73	73	73	73	73	73	74	75	73	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	0.0%	-0.3%	-0.3%	0.5%	-0.2%	0.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

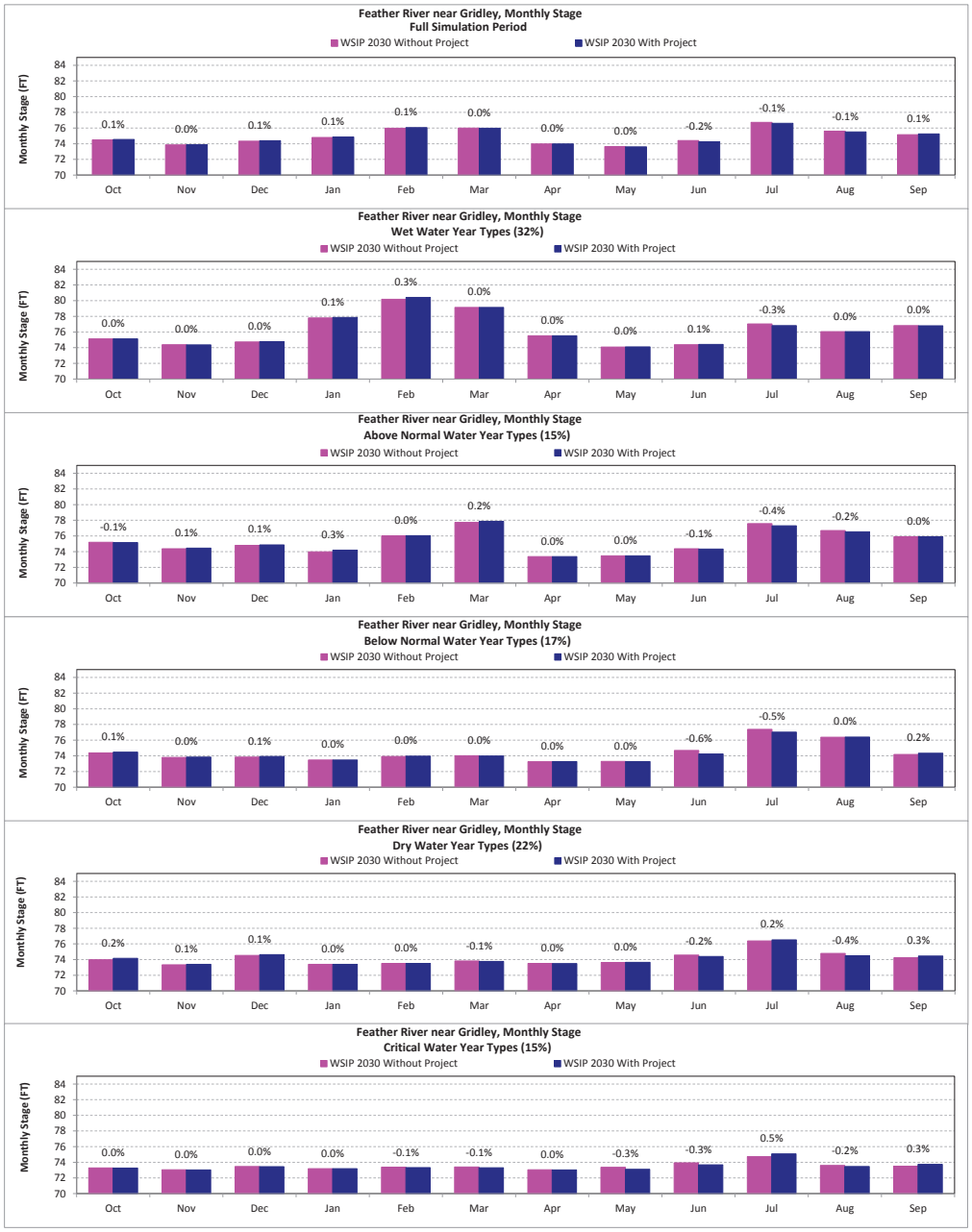


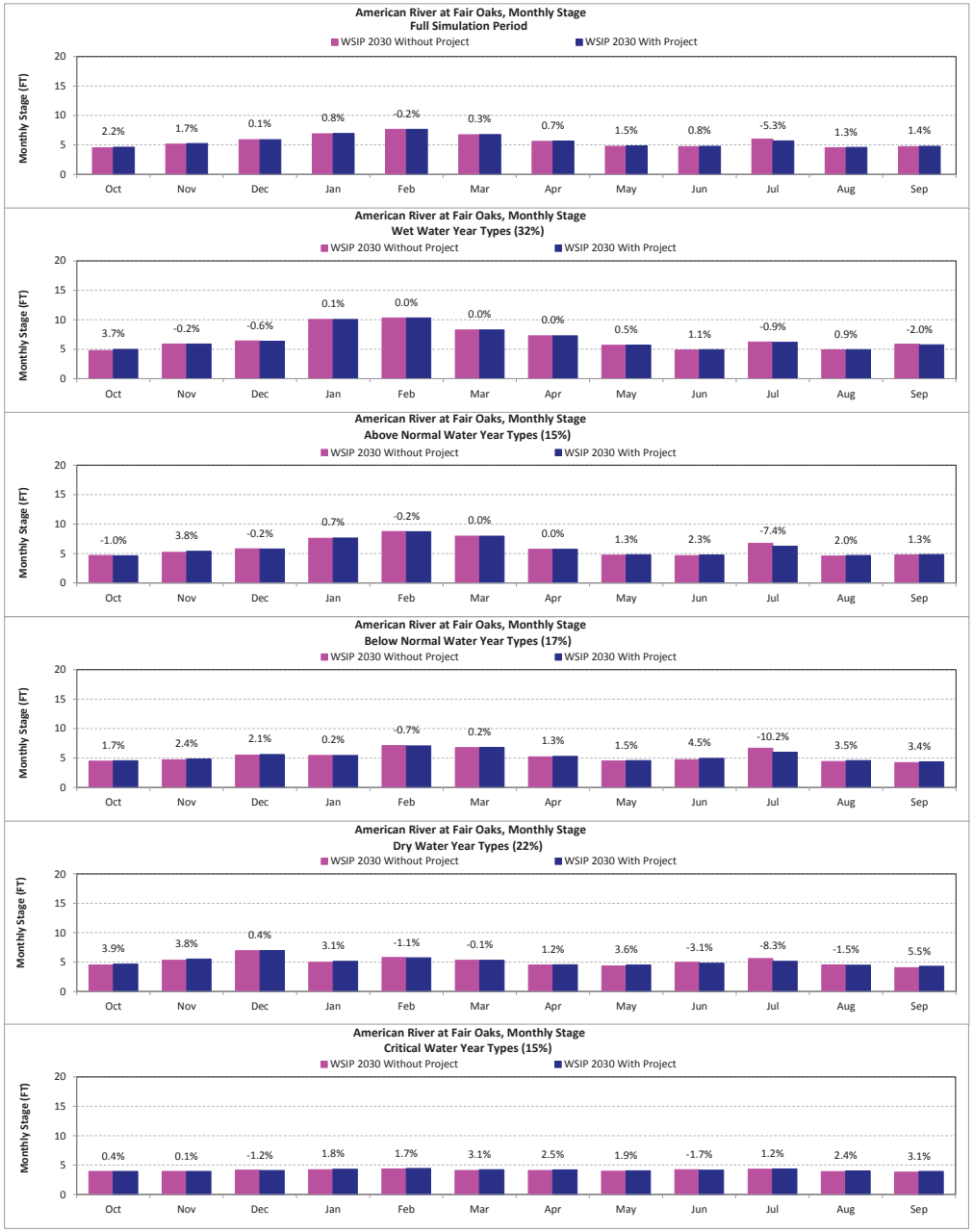
Table SW-58-a
American River at Fair Oaks, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	5	5	6	7	8	7	6	5	5	6	5	5
WSIP 2030 With Project	5	5	6	7	8	7	6	5	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	2.2%	1.7%	0.1%	0.8%	-0.2%	0.3%	0.7%	1.5%	0.8%	-5.3%	1.3%	1.4%
Water Year Types[2]												
Wet (30.5%)												
WSIP 2030 Without Project	5	6	6	10	10	8	7	6	5	6	5	6
WSIP 2030 With Project	5	6	6	10	10	8	7	6	5	6	5	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	3.7%	-0.2%	-0.6%	0.1%	0.0%	0.0%	0.0%	0.5%	1.1%	-0.9%	0.9%	-2.0%
Above Normal (14.6%)												
WSIP 2030 Without Project	5	5	6	8	9	8	6	5	5	7	5	5
WSIP 2030 With Project	5	5	6	8	9	8	6	5	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	-1	0	0
Percent Difference	-1.0%	3.8%	-0.2%	0.7%	-0.2%	0.0%	0.0%	1.3%	2.3%	-7.4%	2.0%	1.3%
Below Normal (20.7%)												
WSIP 2030 Without Project	4	5	5	5	7	7	5	5	5	7	4	4
WSIP 2030 With Project	5	5	6	5	7	7	5	5	5	6	5	4
Difference	0	0	0	0	0	0	0	0	0	-1	0	0
Percent Difference	1.7%	2.4%	2.1%	0.2%	-0.7%	0.2%	1.3%	1.5%	4.5%	-10.2%	3.5%	3.4%
Dry (19.5%)												
WSIP 2030 Without Project	4	5	7	5	6	5	4	4	5	6	5	4
WSIP 2030 With Project	5	6	7	5	6	5	5	4	5	5	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	3.9%	3.8%	0.4%	3.1%	-1.1%	-0.1%	1.2%	3.6%	-3.1%	-8.3%	-1.5%	5.5%
Critical (14.6%)												
WSIP 2030 Without Project	4	4	4	4	4	4	4	4	4	4	4	4
WSIP 2030 With Project	4	4	4	4	4	4	4	4	4	4	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.4%	0.1%	-1.2%	1.8%	1.7%	3.1%	2.5%	1.9%	-1.7%	1.2%	2.4%	3.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



Trinity and Sacramento River Basin Operations

Exceedance Probability Charts and Tables

Figure SW-01-b
Trinity Lake, End of Month Storage
Probability of Exceedance

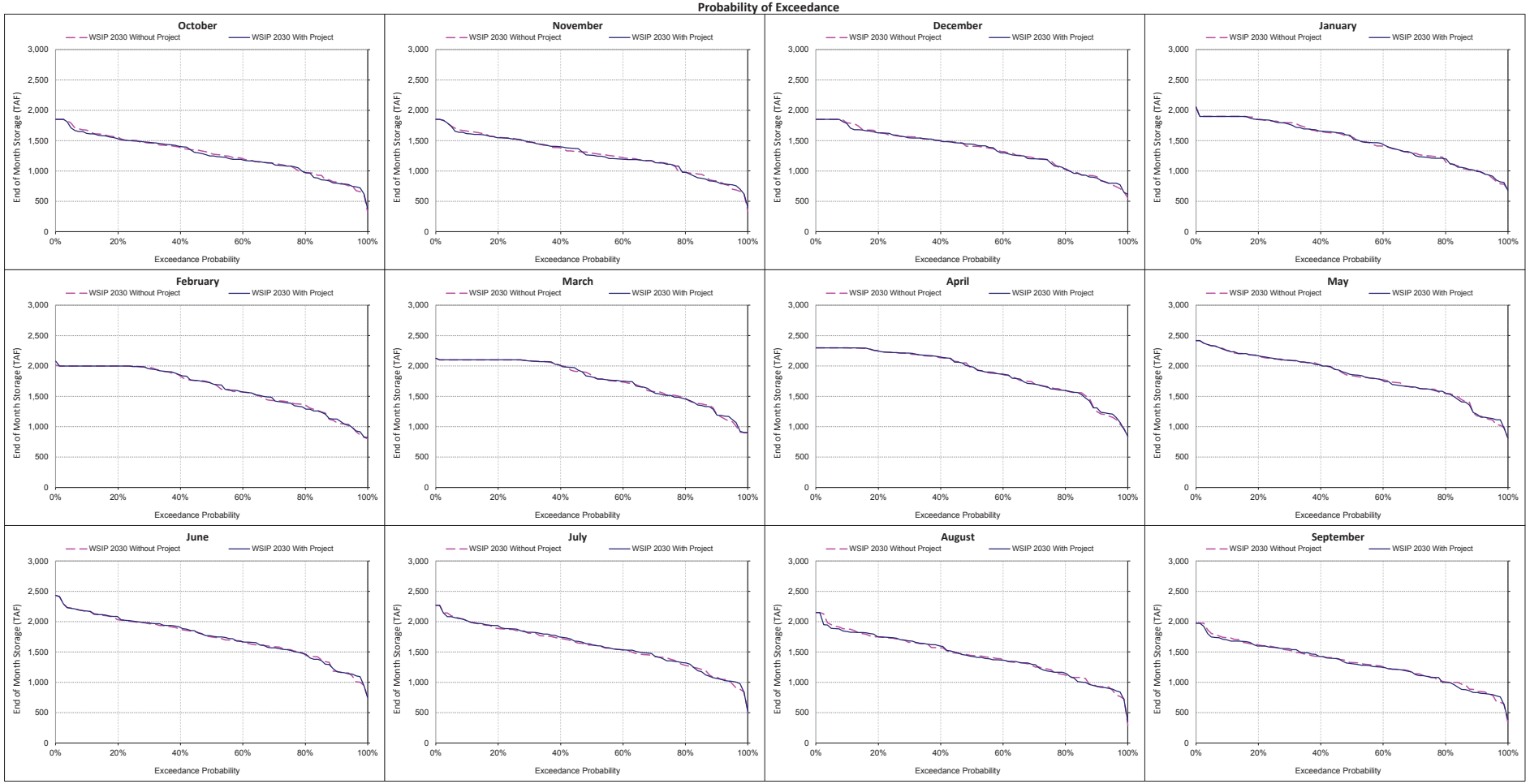


Table SW-01-b

Trinity Lake, End of Month Storage
Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,828	1,813	-15	-0.8%
4.9%	1,789	1,711	-79	-4.4%
6.2%	1,711	1,666	-45	-2.6%
7.4%	1,696	1,652	-44	-2.6%
8.6%	1,679	1,649	-30	-1.8%
9.9%	1,675	1,620	-55	-3.3%
11.1%	1,646	1,614	-32	-2.0%
12.3%	1,612	1,613	1	0.1%
13.6%	1,611	1,589	-23	-1.4%
14.8%	1,606	1,582	-23	-1.5%
16.0%	1,590	1,577	-12	-0.8%
17.3%	1,575	1,559	-16	-1.0%
18.5%	1,567	1,551	-16	-1.0%
19.8%	1,564	1,534	-30	-1.9%
21.0%	1,528	1,512	-16	-1.0%
22.2%	1,508	1,509	1	0.0%
23.5%	1,507	1,500	-8	-0.5%
24.7%	1,506	1,497	-9	-0.6%
25.9%	1,504	1,493	-11	-0.8%
27.2%	1,474	1,489	15	1.0%
28.4%	1,473	1,479	6	0.4%
29.6%	1,462	1,476	15	1.0%
30.9%	1,460	1,468	8	0.5%
32.1%	1,454	1,463	9	0.6%
33.3%	1,429	1,454	25	1.8%
34.6%	1,425	1,444	19	1.3%
35.8%	1,420	1,436	17	1.2%
37.0%	1,416	1,431	15	1.0%
38.3%	1,406	1,424	18	1.3%
39.5%	1,395	1,408	14	1.0%
40.7%	1,366	1,396	30	2.2%
42.0%	1,362	1,392	30	2.2%
43.2%	1,350	1,350	0	0.0%
44.4%	1,346	1,308	-37	-2.8%
45.7%	1,344	1,298	-46	-3.4%
46.9%	1,329	1,287	-42	-3.1%
48.1%	1,318	1,270	-49	-3.7%
49.4%	1,294	1,248	-46	-3.6%
50.6%	1,276	1,246	-30	-2.3%
51.9%	1,269	1,236	-34	-2.7%
53.1%	1,264	1,229	-35	-2.8%
54.3%	1,249	1,227	-22	-1.8%
55.6%	1,244	1,205	-39	-3.1%
56.8%	1,223	1,191	-31	-2.6%
58.0%	1,219	1,191	-28	-2.3%
59.3%	1,215	1,190	-25	-2.1%
60.5%	1,193	1,174	-19	-1.6%
61.7%	1,178	1,168	-10	-0.9%
63.0%	1,169	1,167	-2	-0.2%
64.2%	1,156	1,154	-1	-0.1%
65.4%	1,144	1,152	9	0.8%
66.7%	1,140	1,143	3	0.2%
67.9%	1,138	1,133	-5	-0.5%
69.1%	1,132	1,131	0	0.0%
70.4%	1,122	1,099	-23	-2.0%
71.6%	1,111	1,094	-17	-1.5%
72.8%	1,100	1,088	-12	-1.1%
74.1%	1,082	1,082	0	0.0%
75.3%	1,082	1,080	-2	-0.2%
76.5%	1,047	1,067	20	1.9%
77.8%	1,002	1,051	49	4.9%
79.0%	986	994	7	0.7%
80.2%	969	970	1	0.1%
81.5%	968	967	-1	-0.1%
82.7%	967	891	-76	-7.8%
84.0%	930	882	-48	-5.1%
85.2%	928	856	-72	-7.8%
86.4%	857	848	-9	-1.1%
87.7%	854	837	-17	-2.0%
88.9%	823	804	-19	-2.4%
90.1%	817	800	-18	-2.2%
91.4%	797	786	-11	-1.4%
92.6%	780	785	5	0.6%
93.8%	757	777	20	2.7%
95.1%	750	748	-2	-0.3%
96.3%	675	739	64	9.5%
97.5%	659	721	62	9.3%
98.8%	628	622	-6	-1.0%
100.0%	317	377	60	19.1%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,833	1,833	0	0.0%
3.7%	1,789	1,790	1	0.1%
4.9%	1,743	1,737	-6	-0.4%
6.2%	1,704	1,655	-50	-2.9%
7.4%	1,677	1,638	-39	-2.3%
8.6%	1,667	1,635	-32	-1.9%
9.9%	1,659	1,616	-43	-2.6%
11.1%	1,646	1,614	-32	-1.9%
12.3%	1,644	1,602	-42	-2.6%
13.6%	1,632	1,602	-30	-1.8%
14.8%	1,619	1,601	-18	-1.1%
16.0%	1,608	1,590	-18	-1.1%
17.3%	1,572	1,575	2	0.1%
18.5%	1,569	1,566	-3	-0.2%
19.8%	1,555	1,549	-6	-0.4%
21.0%	1,551	1,548	-3	-0.2%
22.2%	1,548	1,542	-6	-0.4%
23.5%	1,545	1,540	-5	-0.3%
24.7%	1,539	1,528	-11	-0.7%
25.9%	1,520	1,525	5	0.3%
27.2%	1,512	1,517	5	0.3%
28.4%	1,481	1,496	15	1.0%
29.6%	1,476	1,485	10	0.6%
30.9%	1,471	1,475	4	0.3%
32.1%	1,469	1,455	-13	-0.9%
33.3%	1,444	1,438	-6	-0.4%
34.6%	1,424	1,435	11	0.8%
35.8%	1,423	1,420	-3	-0.2%
37.0%	1,389	1,408	19	1.4%
38.3%	1,387	1,405	18	1.3%
39.5%	1,386	1,401	15	1.1%
40.7%	1,369	1,395	26	1.9%
42.0%	1,331	1,379	48	3.6%
43.2%	1,331	1,377	47	3.5%
44.4%	1,323	1,373	50	3.8%
45.7%	1,322	1,368	46	3.5%
46.9%	1,313	1,314	1	0.1%
48.1%	1,313	1,266	-47	-3.5%
49.4%	1,297	1,262	-36	-2.8%
50.6%	1,290	1,254	-36	-2.8%
51.9%	1,281	1,243	-37	-2.9%
53.1%	1,272	1,243	-29	-2.3%
54.3%	1,266	1,229	-37	-2.9%
55.6%	1,255	1,207	-48	-3.9%
56.8%	1,248	1,205	-43	-3.4%
58.0%	1,238	1,201	-37	-3.0%
59.3%	1,226	1,198	-28	-2.3%
60.5%	1,214	1,191	-23	-1.9%
61.7%	1,207	1,190	-18	-1.5%
63.0%	1,207	1,189	-18	-1.5%
64.2%	1,199	1,186	-12	-1.0%
65.4%	1,178	1,183	5	0.4%
66.7%	1,170	1,172	2	0.1%
67.9%	1,169	1,171	1	0.1%
69.1%	1,169	1,170	2	0.1%
70.4%	1,148	1,136	-12	-1.0%
71.6%	1,139	1,133	-6	-0.6%
72.8%	1,135	1,130	-5	-0.5%
74.1%	1,124	1,113	-11	-1.0%
75.3%	1,109	1,111	3	0.2%
76.5%	1,093	1,083	-10	-1.0%
77.8%	989	1,081	92	9.3%
79.0%	986	977	-8	-0.9%
80.2%	976	976	1	0.1%
81.5%	965	950	-15	-1.5%
82.7%	961	918	-44	-4.5%
84.0%	950	889	-61	-6.4%
85.2%	945	879	-67	-7.0%
86.4%	911	869	-43	-4.7%
87.7%	857	838	-19	-2.3%
88.9%	842	831	-10	-1.2%
90.1%	837	822	-16	-1.9%
91.4%	814	791	-23	-2.9%
92.6%	779	784	5	0.6%
93.8%	761	777	16	2.0%
95.1%	700	773	73	10.4%
96.3%	686	754	67	9.8%
97.5%	665	700	35	5.3%
98.8%	629	623	-6	-1.0%
100.0%	341	402	60	17.7%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,850	1,850	0	0.0%
7.4%	1,850	1,850	0	0.0%
8.6%	1,842	1,811	-31	-1.7%
9.9%	1,795	1,782	-13	-0.7%
11.1%	1,788	1,708	-80	-4.5%
12.3%	1,778	1,682	-96	-5.4%
13.6%	1,743	1,680	-63	-3.6%
14.8%	1,687	1,674	-13	-0.7%
16.0%	1,675	1,662	-12	-0.7%
17.3%	1,674	1,657	-17	-1.0%
18.5%	1,671	1,646	-25	-1.5%
19.8%	1,629	1,630	1	0.1%
21.0%	1,626	1,629	3	0.2%
22.2%	1,617	1,623	5	0.3%
23.5%	1,592	1,620	28	1.8%
24.7%	1,592	1,594	2	0.1%
25.9%	1,578	1,590	12	0.8%
27.2%	1,571	1,574	2	0.2%
28.4%	1,569	1,564	-5	-0.3%
29.6%	1,565	1,547	-18	-1.2%
30.9%	1,564	1,545	-19	-1.2%
32.1%	1,561	1,543	-18	-1.1%
33.3%	1,544	1,542	-2	-0.1%
34.6%	1,529	1,534	5	0.3%
35.8%	1,527	1,525	-2	-0.1%
37.0%	1,516	1,525	9	0.6%
38.3%	1,510	1,505	-5	-0.4%
39.5%	1,505	1,501	-5	-0.3%
40.7%	1,495	1,484	-11	-0.7%
42.0%	1,489	1,484	-5	-0.3%
43.2%	1,483	1,479	-4	-0.3%
44.4%	1,477	1,468	-9	-0.6%
45.7%	1,470	1,461	-9	-0.6%
46.9%	1,463	1,456	-7	-0.5%
48.1%	1,410	1,446	36	2.6%
49.4%	1,409	1,444	35	2.5%
50.6%	1,408	1,441	33	2.3%
51.9%	1,406	1,418	12	0.9%
53.1%	1,397	1,414	17	1.2%
54.3%	1,389	1,414	25	1.8%
55.6%	1,376	1,387	11	0.8%
56.8%	1,367	1,386	19	1.4%
58.0%	1,350	1,331	-20	-1.5%
59.3%	1,322	1,301	-21	-1.6%
60.5%	1,317	1,297	-20	-1.5%
61.7%	1,297	1,282	-15	-1.2%
63.0%	1,293	1,266	-27	-2.1%
64.2%	1,260	1,257	-2	-0.2%
65.4%	1,258	1,253	-5	-0.4%
66.7%	1,245	1,248	4	0.3%
67.9%	1,234	1,207	-27	-2.2%
69.1%	1,227	1,203	-24	-2.0%
70.4%	1,206	1,199	-6	-0.5%
71.6%	1,202	1,199	-4	-0.3%
72.8%	1,191	1,197	6	0.5%
74.1%	1,190	1,186	-4	-0.3%
75.3%	1,170	1,134	-36	-3.0%
76.5%	1,108	1,081	-28	-2.5%
77.8%	1,063	1,077	15	1.4%
79.0%	1,042	1,058	17	1.6%
80.2%	1,034	1,015	-19	-1.8%
81.5%	996	997	1	0.1%
82.7%	984	962	-22	-2.3%
84.0%	969	961	-8	-0.9%
85.2%	932	937	5	0.5%
86.4%	931	931	0	0.0%
87.7%	928	903	-25	-2.7%
88.9%	922	896	-27	-2.9%
90.1%	904	884	-20	-2.2%
91.4%	839	846	8	0.9%
92.6%	826	820	-6	-0.7%
93.8%	800	800	0	0.0%
95.1%	770	799	29	3.8%
96.3%	740	798	57	7.8%
97.5%	710	771	61	8.6%
98.8%	653	647	-6	-0.9%
100.0%	553	614	60	10.9%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,055	2,055	0	0.0%
1.2%	1,900	1,900	0	0.0%
2.5%	1,900	1,900	0	0.0%
3.7%	1,900	1,900	0	0.0%
4.9%	1,900	1,900	0	0.0%
6.2%	1,900	1,900	0	0.0%
7.4%	1,900	1,900	0	0.0%
8.6%	1,900	1,900	0	0.0%
9.9%	1,900	1,900	0	0.0%
11.1%	1,900	1,900	0	0.0%
12.3%	1,900	1,900	0	0.0%
13.6%	1,900	1,900	0	0.0%
14.8%	1,900	1,900	0	0.0%
16.0%	1,896	1,900	4	0.2%
17.3%	1,890	1,875	-15	-0.8%
18.5%	1,889	1,856	-34	-1.8%
19.8%	1,852	1,845	-7	-0.4%
21.0%	1,849	1,845	-5	-0.3%
22.2%	1,834	1,843	9	0.5%
23.5%	1,834	1,840	6	0.3%
24.7%	1,821	1,820	-1	0.0%
25.9%	1,820	1,799	-21	-1.2%
27.2%	1,799	1,795	-5	-0.3%
28.4%	1,798	1,790	-8	-0.5%
29.6%	1,797	1,776	-21	-1.2%
30.9%	1,794	1,754	-40	-2.3%
32.1%	1,778	1,717	-61	-3.4%
33.3%	1,749	1,713	-36	-2.1%
34.6%	1,730	1,694	-37	-2.1%
35.8%	1,707	1,693	-15	-0.9%
37.0%	1,676	1,683	7	0.4%
38.3%	1,665	1,679	15	0.9%
39.5%	1,645	1,658	12	0.7%
40.7%	1,645	1,655	11	0.6%
42.0%	1,633	1,649	16	1.0%
43.2%	1,629	1,648	19	1.2%
44.4%	1,627	1,639	12	0.8%
45.7%	1,625	1,629	4	0.2%
46.9%	1,602	1,623	21	1.3%
48.1%	1,575	1,597	21	1.4%
49.4%	1,574	1,592	18	1.1%
50.6%	1,548	1,517	-31	-2.0%
51.9%	1,494	1,510	17	1.1%
53.1%	1,486	1,484	-2	-0.2%
54.3%	1,483	1,471	-12	-0.8%
55.6%	1,465	1,470	5	0.3%
56.8%	1,436	1,468	32	2.2%
58.0%	1,413	1,467	55	3.9%
59.3%	1,412	1,459	47	3.3%
60.5%	1,407	1,423	17	1.2%
61.7%	1,391	1,392	1	0.0%
63.0%	1,367	1,376	10	0.7%
64.2%	1,359	1,359	0	0.0%
65.4%	1,338	1,342	4	0.3%
66.7%	1,319	1,321	2	0.2%
67.9%	1,307	1,319	12	0.9%
69.1%	1,292	1,300	8	0.6%
70.4%	1,292	1,254	-38	-2.9%
71.6%	1,267	1,237	-30	-2.4%
72.8%	1,259	1,231	-28	-2.2%
74.1%	1,252	1,227	-25	-2.0%
75.3%	1,247	1,213	-34	-2.8%
76.5%	1,238	1,211	-27	-2.2%
77.8%	1,234	1,210	-24	-1.9%
79.0%	1,228	1,207	-21	-1.7%
80.2%	1,137	1,197	60	5.3%
81.5%	1,130	1,115	-15	-1.3%
82.7%	1,099	1,110	12	1.1%
84.0%	1,085	1,066	-19	-1.8%
85.2%	1,041	1,058	17	1.6%
86.4%	1,032	1,046	14	1.4%
87.7%	1,017	1,023	6	0.6%
88.9%	1,017	1,017	0	0.0%
90.1%	1,012	993	-20	-2.0%
91.4%	980	986	6	0.6%
92.6%	956	948	-9	-0.9%
93.8%	934	934	0	0.0%
95.1%	880	915	36	4.0%
96.3%	827	848	21	2.5%
97.5%	787	821	34	4.3%
98.8%	783	812	29	3.7%
100.0%	683	677	-6	-0.9%

Table SW-01-b

Trinity Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,012	2,078	66	3.3%
1.2%	2,000	2,000	0	0.0%
2.5%	2,000	2,000	0	0.0%
3.7%	2,000	2,000	0	0.0%
4.9%	2,000	2,000	0	0.0%
6.2%	2,000	2,000	0	0.0%
7.4%	2,000	2,000	0	0.0%
8.6%	2,000	2,000	0	0.0%
9.9%	2,000	2,000	0	0.0%
11.1%	2,000	2,000	0	0.0%
12.3%	2,000	2,000	0	0.0%
13.6%	2,000	2,000	0	0.0%
14.8%	2,000	2,000	0	0.0%
16.0%	2,000	2,000	0	0.0%
17.3%	2,000	2,000	0	0.0%
18.5%	2,000	2,000	0	0.0%
19.8%	2,000	2,000	0	0.0%
21.0%	2,000	2,000	0	0.0%
22.2%	2,000	2,000	0	0.0%
23.5%	2,000	1,999	-1	0.0%
24.7%	1,999	1,992	-7	-0.4%
25.9%	1,996	1,990	-6	-0.3%
27.2%	1,983	1,988	5	0.2%
28.4%	1,981	1,985	4	0.2%
29.6%	1,979	1,955	-25	-1.2%
30.9%	1,969	1,947	-23	-1.1%
32.1%	1,945	1,940	-5	-0.2%
33.3%	1,929	1,921	-7	-0.4%
34.6%	1,912	1,914	2	0.1%
35.8%	1,907	1,906	-1	0.0%
37.0%	1,884	1,905	21	1.1%
38.3%	1,884	1,884	1	0.0%
39.5%	1,851	1,858	7	0.4%
40.7%	1,806	1,835	30	1.6%
42.0%	1,777	1,832	55	3.1%
43.2%	1,768	1,768	0	0.0%
44.4%	1,763	1,762	-1	-0.1%
45.7%	1,761	1,761	0	0.0%
46.9%	1,758	1,745	-13	-0.7%
48.1%	1,748	1,736	-13	-0.7%
49.4%	1,727	1,723	-4	-0.2%
50.6%	1,715	1,699	-16	-0.9%
51.9%	1,667	1,689	22	1.3%
53.1%	1,616	1,687	71	4.4%
54.3%	1,616	1,612	-3	-0.2%
55.6%	1,613	1,601	-12	-0.8%
56.8%	1,581	1,599	18	1.2%
58.0%	1,578	1,596	18	1.2%
59.3%	1,575	1,579	5	0.3%
60.5%	1,568	1,565	-3	-0.2%
61.7%	1,562	1,562	0	0.0%
63.0%	1,548	1,555	7	0.5%
64.2%	1,523	1,526	3	0.2%
65.4%	1,501	1,514	14	0.9%
66.7%	1,470	1,497	28	1.9%
67.9%	1,441	1,490	48	3.3%
69.1%	1,433	1,487	54	3.8%
70.4%	1,429	1,419	-10	-0.7%
71.6%	1,425	1,413	-12	-0.8%
72.8%	1,421	1,405	-16	-1.2%
74.1%	1,413	1,389	-24	-1.7%
75.3%	1,401	1,386	-15	-1.1%
76.5%	1,378	1,343	-35	-2.5%
77.8%	1,374	1,337	-38	-2.7%
79.0%	1,370	1,329	-41	-3.0%
80.2%	1,348	1,288	-60	-4.4%
81.5%	1,308	1,288	-21	-1.6%
82.7%	1,287	1,259	-27	-2.1%
84.0%	1,266	1,259	-7	-0.6%
85.2%	1,243	1,239	-4	-0.3%
86.4%	1,225	1,206	-19	-1.6%
87.7%	1,123	1,133	11	0.9%
88.9%	1,104	1,128	24	2.2%
90.1%	1,067	1,124	58	5.4%
91.4%	1,050	1,084	34	3.2%
92.6%	1,046	1,041	-4	-0.4%
93.8%	1,013	1,034	22	2.1%
95.1%	990	984	-6	-0.6%
96.3%	916	929	12	1.4%
97.5%	868	916	49	5.6%
98.8%	827	829	2	0.2%
100.0%	800	821	21	2.6%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,126	2,126	0	0.0%
1.2%	2,100	2,100	0	0.0%
2.5%	2,100	2,100	0	0.0%
3.7%	2,100	2,100	0	0.0%
4.9%	2,100	2,100	0	0.0%
6.2%	2,100	2,100	0	0.0%
7.4%	2,100	2,100	0	0.0%
8.6%	2,100	2,100	0	0.0%
9.9%	2,100	2,100	0	0.0%
11.1%	2,100	2,100	0	0.0%
12.3%	2,100	2,100	0	0.0%
13.6%	2,100	2,100	0	0.0%
14.8%	2,100	2,100	0	0.0%
16.0%	2,100	2,100	0	0.0%
17.3%	2,100	2,100	0	0.0%
18.5%	2,100	2,100	0	0.0%
19.8%	2,100	2,100	0	0.0%
21.0%	2,100	2,100	0	0.0%
22.2%	2,100	2,100	0	0.0%
23.5%	2,100	2,100	0	0.0%
24.7%	2,100	2,100	0	0.0%
25.9%	2,100	2,100	0	0.0%
27.2%	2,100	2,100	0	0.0%
28.4%	2,093	2,093	0	0.0%
29.6%	2,092	2,085	-7	-0.3%
30.9%	2,081	2,079	-2	-0.1%
32.1%	2,078	2,074	-4	-0.2%
33.3%	2,076	2,073	-2	-0.1%
34.6%	2,074	2,070	-4	-0.2%
35.8%	2,068	2,070	2	0.1%
37.0%	2,056	2,067	11	0.5%
38.3%	2,031	2,030	-1	0.0%
39.5%	2,013	2,019	6	0.3%
40.7%	1,998	1,984	-14	-0.7%
42.0%	1,988	1,983	-5	-0.3%
43.2%	1,932	1,977	45	2.3%
44.4%	1,913	1,973	60	3.1%
45.7%	1,909	1,928	20	1.0%
46.9%	1,903	1,906	3	0.1%
48.1%	1,896	1,838	-58	-3.0%
49.4%	1,866	1,826	-40	-2.2%
50.6%	1,822	1,809	-13	-0.7%
51.9%	1,787	1,786	-1	0.0%
53.1%	1,785	1,784	0	0.0%
54.3%	1,784	1,775	-9	-0.5%
55.6%	1,758	1,769	11	0.6%
56.8%	1,753	1,765	11	0.6%
58.0%	1,747	1,764	17	1.0%
59.3%	1,739	1,752	13	0.7%
60.5%	1,732	1,750	18	1.0%
61.7%	1,716	1,744	28	1.6%
63.0%	1,716	1,742	26	1.5%
64.2%	1,692	1,668	-24	-1.4%
65.4%	1,666	1,656	-10	-0.6%
66.7%	1,643	1,651	8	0.5%
67.9%	1,594	1,630	36	2.2%
69.1%	1,582	1,585	3	0.2%
70.4%	1,575	1,550	-26	-1.6%
71.6%	1,574	1,542	-32	-2.0%
72.8%	1,553	1,525	-28	-1.8%
74.1%	1,519	1,514	-5	-0.3%
75.3%	1,519	1,513	-6	-0.4%
76.5%	1,518	1,485	-33	-2.2%
77.8%	1,502	1,484	-18	-1.2%
79.0%	1,489	1,468	-21	-1.4%
80.2%	1,461	1,452	-9	-0.6%
81.5%	1,417	1,429	12	0.9%
82.7%	1,397	1,398	1	0.1%
84.0%	1,383	1,355	-27	-2.0%
85.2%	1,376	1,350	-25	-1.9%
86.4%	1,360	1,332	-27	-2.0%
87.7%	1,357	1,330	-26	-1.9%
88.9%	1,309	1,289	-21	-1.6%
90.1%	1,193	1,191	-3	-0.2%
91.4%	1,163	1,185	22	1.9%
92.6%	1,127	1,173	46	4.1%
93.8%	1,094	1,168	74	6.8%
95.1%	1,082	1,119	37	3.4%
96.3%	1,005	1,066	61	6.1%
97.5%	909	925	17	1.8%
98.8%	904	904	0	0.0%
100.0%	896	903	6	0.7%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,300	2,300	0	0.0%
1.2%	2,300	2,300	0	0.0%
2.5%	2,300	2,300	0	0.0%
3.7%	2,300	2,300	0	0.0%
4.9%	2,300	2,300	0	0.0%
6.2%	2,300	2,300	0	0.0%
7.4%	2,300	2,300	0	0.0%
8.6%	2,300	2,300	0	0.0%
9.9%	2,300	2,300	0	0.0%
11.1%	2,297	2,300	3	0.1%
12.3%	2,295	2,300	5	0.2%
13.6%	2,295	2,297	2	0.1%
14.8%	2,294	2,295	1	0.1%
16.0%	2,293	2,295	2	0.1%
17.3%	2,282	2,278	-4	-0.2%
18.5%	2,258	2,258	0	0.0%
19.8%	2,250	2,250	0	0.0%
21.0%	2,235	2,235	0	0.0%
22.2%	2,228	2,228	0	0.0%
23.5%	2,227	2,224	-3	-0.1%
24.7%	2,223	2,223	0	0.0%
25.9%	2,216	2,222	6	0.3%
27.2%	2,214	2,214	0	0.0%
28.4%	2,213	2,213	0	0.0%
29.6%	2,209	2,213	4	0.2%
30.9%	2,191	2,209	18	0.8%
32.1%	2,191	2,195	4	0.2%
33.3%	2,181	2,181	0	0.0%
34.6%	2,169	2,177	9	0.4%
35.8%	2,165	2,175	10	0.5%
37.0%	2,161	2,169	7	0.3%
38.3%	2,160	2,161	1	0.0%
39.5%	2,139	2,153	14	0.7%
40.7%	2,133	2,139	6	0.3%
42.0%	2,128	2,130	2	0.1%
43.2%	2,111	2,129	18	0.8%
44.4%	2,077	2,062	-15	-0.7%
45.7%	2,069	2,061	-8	-0.4%
46.9%	2,051	2,051	0	0.0%
48.1%	2,051	2,006	-45	-2.2%
49.4%	1,979	1,995	17	0.8%
50.6%	1,970	1,979	9	0.4%
51.9%	1,935	1,927	-8	-0.4%
53.1%	1,917	1,920	3	0.2%
54.3%	1,897	1,901	4	0.2%
55.6%	1,885	1,899	13	0.7%
56.8%	1,877	1,897	20	1.0%
58.0%	1,876	1,875	0	0.0%
59.3%	1,874	1,867	-7	-0.4%
60.5%	1,849	1,861	12	0.6%
61.7%	1,846	1,848	1	0.1%
63.0%	1,822	1,799	-23	-1.3%
64.2%	1,795	1,792	-3	-0.2%
65.4%	1,762	1,785	23	1.3%
66.7%	1,757	1,737	-20	-1.1%
67.9%	1,749	1,714	-35	-2.0%
69.1%	1,741	1,706	-35	-2.0%
70.4%	1,695	1,697	3	0.1%
71.6%	1,683	1,684	1	0.1%
72.8%	1,673	1,666	-7	-0.4%
74.1%	1,646	1,659	13	0.8%
75.3%	1,644	1,624	-21	-1.3%
76.5%	1,628	1,619	-8	-0.5%
77.8%	1,626	1,603	-23	-1.4%
79.0%	1,598	1,602	4	0.3%
80.2%	1,592	1,593	1	0.0%
81.5%	1,573	1,580	6	0.4%
82.7%	1,562	1,565	2	0.2%
84.0%	1,561	1,562	0	0.0%
85.2%	1,558	1,526	-32	-2.1%
86.4%	1,510	1,471	-39	-2.6%
87.7%	1,470	1,424	-46	-3.1%
88.9%	1,331	1,310	-21	-1.6%
90.1%	1,247	1,308	62	4.9%
91.4%	1,211	1,238	27	2.2%
92.6%	1,200	1,227	27	2.3%
93.8%	1,177	1,216	39	3.3%
95.1%	1,155	1,206	51	4.5%
96.3%	1,115	1,147	31	2.8%
97.5%	1,039	1,071	32	3.1%
98.8%	967	961	-6	-0.6%
100.0%	841	841	0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,419	2,419	0	0.0%
1.2%	2,418	2,418	0	0.0%
2.5%	2,377	2,377	0	0.0%
3.7%	2,353	2,353	0	0.0%
4.9%	2,329	2,335	5	0.2%
6.2%	2,328	2,329	1	0.0%
7.4%	2,302	2,302	0	0.0%
8.6%	2,290	2,275	-15	-0.6%
9.9%	2,256	2,256	0	0.0%
11.1%	2,249	2,234	-14	-0.6%
12.3%	2,214	2,232	18	0.8%
13.6%	2,206	2,206	0	0.0%
14.8%	2,205	2,205	0	0.0%
16.0%	2,203	2,203	0	0.0%
17.3%	2,184	2,181	-3	-0.1%
18.5%	2,181	2,179	-2	-0.1%
19.8%	2,179	2,168	-11	-0.5%
21.0%	2,147	2,157	10	0.5%
22.2%	2,134	2,147	13	0.6%
23.5%	2,127	2,134	7	0.3%
24.7%	2,115	2,127	12	0.6%
25.9%	2,114	2,115	1	0.1%
27.2%	2,099	2,114	15	0.7%
28.4%	2,093	2,099	6	0.3%
29.6%	2,093	2,097	4	0.2%
30.9%	2,089	2,090	1	0.0%
32.1%	2,083	2,089	6	0.3%
33.3%	2,065	2,066	1	0.0%
34.6%	2,060	2,065	5	0.2%
35.8%	2,057	2,056	-1	-0.1%
37.0%	2,057	2,049	-8	-0.4%
38.3%	2,049	2,024	-25	-1.2%
39.5%	2,022	2,020	-2	-0.1%
40.7%	1,995	1,999	4	0.2%
42.0%	1,995	1,999	4	0.2%
43.2%	1,982	1,992	10	0.5%
44.4%	1,948	1,941	-7	-0.4%
45.7%	1,931	1,933	2	0.1%
46.9%	1,888	1,903	15	0.8%
48.1%	1,854	1,888	34	1.8%
49.4%	1,843	1,860	17	0.9%
50.6%	1,837	1,854	18	1.0%
51.9%	1,825	1,850	25	1.4%
53.1%	1,813	1,840	27	1.5%
54.3%	1,812	1,813	1	0.1%
55.6%	1,804	1,802	-2	-0.1%
56.8%	1,792	1,797	5	0.3%
58.0%	1,791	1,789	-2	-0.1%
59.3%	1,777	1,775	-2	-0.1%
60.5%	1,768	1,742	-26	-1.4%
61.7%	1,755	1,741	-14	-0.8%
63.0%	1,734	1,694	-40	-2.3%
64.2%	1,727	1,687	-40	-2.3%
65.4%	1,722	1,678	-44	-2.6%
66.7%	1,672	1,669	-3	-0.2%
67.9%	1,661	1,661	0	0.0%
69.1%	1,651	1,656	5	0.3%
70.4%	1,648	1,650	3	0.2%
71.6%	1,630	1,632	3	0.2%
72.8%	1,623	1,622	-1	0.0%
74.1%	1,621	1,620	-1	-0.1%
75.3%	1,618	1,611	-7	-0.4%
76.5%	1,616	1,592	-24	-1.5%
77.8%	1,572	1,582	10	0.6%
79.0%	1,561	1,581	20	1.3%
80.2%	1,545	1,547	2	0.1%
81.5%	1,544	1,531	-13	-0.8%
82.7%	1,517	1,494	-22	-1.5%
84.0%	1,491	1,450	-41	-2.7%
85.2%	1,444	1,407	-37	-2.6%
86.4%	1,412	1,404	-8	-0.6%
87.7%	1,403	1,358	-45	-3.2%
88.9%	1,225	1,233	8	0.7%
90.1%	1,176	1,204	28	2.4%
91.4%	1,172	1,156	-16	-1.4%
92.6%	1,149	1,154	5	0.4%
93.8%	1,122	1,141	20	1.7%
95.1%	1,109	1,133	24	2.2%
96.3%	1,034	1,114	80	7.7%
97.5%	1,023	1,113	90	8.8%
98.8%	986	980	-6	-0.6%
100.0%	812	812	0	0.0%

Table SW-01-b

Trinity Lake, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,433	2,433	0	0.0%
1.2%	2,413	2,411	-2	-0.1%
2.5%	2,292	2,292	0	0.0%
3.7%	2,233	2,233	1	0.0%
4.9%	2,225	2,219	-6	-0.3%
6.2%	2,213	2,210	-3	-0.1%
7.4%	2,193	2,193	0	0.0%
8.6%	2,182	2,182	0	0.0%
9.9%	2,171	2,178	6	0.3%
11.1%	2,170	2,170	0	0.0%
12.3%	2,131	2,122	-9	-0.4%
13.6%	2,122	2,117	-6	-0.3%
14.8%	2,105	2,116	11	0.5%
16.0%	2,099	2,109	10	0.5%
17.3%	2,088	2,092	4	0.2%
18.5%	2,078	2,088	10	0.5%
19.8%	2,032	2,087	55	2.7%
21.0%	2,024	2,032	8	0.4%
22.2%	2,022	2,022	0	0.0%
23.5%	2,008	2,019	11	0.5%
24.7%	2,000	2,008	8	0.4%
25.9%	1,992	2,000	8	0.4%
27.2%	1,990	1,992	2	0.1%
28.4%	1,984	1,984	0	0.0%
29.6%	1,968	1,982	15	0.8%
30.9%	1,963	1,971	8	0.4%
32.1%	1,956	1,968	11	0.6%
33.3%	1,937	1,965	28	1.5%
34.6%	1,934	1,940	6	0.3%
35.8%	1,922	1,937	15	0.8%
37.0%	1,916	1,934	19	1.0%
38.3%	1,904	1,928	24	1.3%
39.5%	1,882	1,916	34	1.8%
40.7%	1,866	1,883	17	0.9%
42.0%	1,855	1,878	24	1.3%
43.2%	1,846	1,856	10	0.6%
44.4%	1,838	1,853	14	0.8%
45.7%	1,822	1,814	-8	-0.4%
46.9%	1,801	1,794	-7	-0.4%
48.1%	1,758	1,772	13	0.7%
49.4%	1,753	1,769	16	0.9%
50.6%	1,743	1,757	14	0.8%
51.9%	1,735	1,748	13	0.7%
53.1%	1,722	1,746	25	1.4%
54.3%	1,699	1,740	41	2.4%
55.6%	1,697	1,722	25	1.4%
56.8%	1,689	1,719	30	1.8%
58.0%	1,688	1,680	-8	-0.5%
59.3%	1,683	1,676	-8	-0.5%
60.5%	1,646	1,661	15	0.9%
61.7%	1,641	1,661	20	1.2%
63.0%	1,626	1,659	33	2.0%
64.2%	1,616	1,653	37	2.3%
65.4%	1,614	1,617	3	0.2%
66.7%	1,606	1,611	5	0.3%
67.9%	1,599	1,579	-20	-1.3%
69.1%	1,590	1,570	-20	-1.3%
70.4%	1,585	1,567	-18	-1.1%
71.6%	1,582	1,556	-25	-1.6%
72.8%	1,555	1,545	-10	-0.7%
74.1%	1,543	1,538	-5	-0.3%
75.3%	1,538	1,525	-12	-0.8%
76.5%	1,514	1,505	-9	-0.6%
77.8%	1,512	1,497	-15	-1.0%
79.0%	1,489	1,480	-9	-0.6%
80.2%	1,443	1,463	20	1.4%
81.5%	1,425	1,404	-22	-1.5%
82.7%	1,424	1,378	-45	-3.2%
84.0%	1,421	1,378	-43	-3.0%
85.2%	1,371	1,357	-14	-1.0%
86.4%	1,341	1,298	-43	-3.2%
87.7%	1,328	1,293	-35	-2.6%
88.9%	1,183	1,224	41	3.5%
90.1%	1,183	1,176	-6	-0.5%
91.4%	1,162	1,164	2	0.2%
92.6%	1,156	1,159	3	0.3%
93.8%	1,154	1,142	-13	-1.1%
95.1%	1,104	1,137	33	3.0%
96.3%	1,007	1,106	99	9.8%
97.5%	1,004	1,094	90	9.0%
98.8%	949	943	-6	-0.6%
100.0%	750	750	0	0.0%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,270	2,270	0	0.0%
1.2%	2,270	2,270	0	0.0%
2.5%	2,145	2,143	-2	-0.1%
3.7%	2,143	2,084	-58	-2.7%
4.9%	2,096	2,082	-15	-0.7%
6.2%	2,083	2,064	-20	-0.9%
7.4%	2,058	2,053	-5	-0.2%
8.6%	2,043	2,043	0	0.0%
9.9%	2,020	2,020	0	0.0%
11.1%	1,991	1,991	0	0.0%
12.3%	1,989	1,974	-15	-0.8%
13.6%	1,964	1,970	6	0.3%
14.8%	1,952	1,968	16	0.8%
16.0%	1,942	1,948	6	0.3%
17.3%	1,940	1,940	0	0.0%
18.5%	1,900	1,936	36	1.9%
19.8%	1,887	1,936	48	2.6%
21.0%	1,881	1,900	19	1.0%
22.2%	1,878	1,887	9	0.5%
23.5%	1,873	1,887	14	0.7%
24.7%	1,872	1,881	9	0.5%
25.9%	1,852	1,878	25	1.4%
27.2%	1,850	1,850	0	0.0%
28.4%	1,845	1,834	-11	-0.6%
29.6%	1,809	1,825	16	0.9%
30.9%	1,808	1,825	16	0.9%
32.1%	1,806	1,821	15	0.8%
33.3%	1,770	1,808	38	2.2%
34.6%	1,764	1,797	33	1.9%
35.8%	1,761	1,797	36	2.0%
37.0%	1,755	1,778	23	1.3%
38.3%	1,739	1,773	34	2.0%
39.5%	1,725	1,746	21	1.2%
40.7%	1,717	1,739	22	1.3%
42.0%	1,705	1,731	26	1.5%
43.2%	1,691	1,714	22	1.3%
44.4%	1,669	1,679	10	0.6%
45.7%	1,645	1,674	29	1.8%
46.9%	1,643	1,663	20	1.2%
48.1%	1,616	1,639	22	1.4%
49.4%	1,614	1,633	19	1.2%
50.6%	1,613	1,610	-3	-0.2%
51.9%	1,603	1,602	-2	-0.1%
53.1%	1,588	1,598	10	0.6%
54.3%	1,565	1,573	8	0.5%
55.6%	1,563	1,567	3	0.2%
56.8%	1,556	1,552	-4	-0.3%
58.0%	1,545	1,542	-3	-0.2%
59.3%	1,539	1,539	0	0.0%
60.5%	1,528	1,533	5	0.3%
61.7%	1,522	1,529	7	0.5%
63.0%	1,496	1,528	32	2.2%
64.2%	1,475	1,509	34	2.3%
65.4%	1,463	1,497	34	2.3%
66.7%	1,456	1,488	32	2.2%
67.9%	1,453	1,484	31	2.2%
69.1%	1,448	1,474	27	1.8%
70.4%	1,427	1,422	-5	-0.3%
71.6%	1,413	1,414	1	0.1%
72.8%	1,412	1,391	-22	-1.5%
74.1%	1,404	1,356	-48	-3.4%
75.3%	1,379	1,353	-26	-1.9%
76.5%	1,363	1,345	-18	-1.3%
77.8%	1,320	1,337	17	1.3%
79.0%	1,294	1,326	32	2.5%
80.2%	1,276	1,320	44	3.4%
81.5%	1,262	1,297	35	2.8%
82.7%	1,245	1,242	-4	-0.3%
84.0%	1,232	1,191	-42	-3.4%
85.2%	1,213	1,175	-38	-3.2%
86.4%	1,199	1,121	-78	-6.5%
87.7%	1,121	1,102	-19	-1.7%
88.9%	1,085	1,076	-10	-0.9%
90.1%	1,082	1,065	-17	-1.5%
91.4%	1,049	1,052	3	0.3%
92.6%	1,047	1,030	-18	-1.7%
93.8%	1,041	1,021	-20	-2.0%
95.1%	972	1,017	45	4.6%
96.3%	906	1,004	98	10.8%
97.5%	886	976	90	10.1%
98.8%	842	836	-6	-0.7%
100.0%	520	520	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,150	2,150	0	0.0%
1.2%	2,150	2,150	0	0.0%
2.5%	2,129	1,949	-180	-8.5%
3.7%	1,982	1,945	-37	-1.9%
4.9%	1,949	1,891	-58	-3.0%
6.2%	1,922	1,885	-37	-1.9%
7.4%	1,913	1,881	-32	-1.7%
8.6%	1,885	1,845	-39	-2.1%
9.9%	1,879	1,836	-42	-2.3%
11.1%	1,875	1,825	-50	-2.7%
12.3%	1,852	1,824	-27	-1.5%
13.6%	1,819	1,821	1	0.1%
14.8%	1,803	1,819	16	0.9%
16.0%	1,794	1,815	21	1.2%
17.3%	1,766	1,802	36	2.0%
18.5%	1,752	1,796	44	2.5%
19.8%	1,750	1,753	4	0.2%
21.0%	1,743	1,750	6	0.4%
22.2%	1,741	1,743	2	0.1%
23.5%	1,730	1,741	11	0.6%
24.7%	1,727	1,737	10	0.6%
25.9%	1,714	1,727	14	0.8%
27.2%	1,701	1,699	-2	-0.1%
28.4%	1,696	1,699	3	0.2%
29.6%	1,660	1,683	23	1.4%
30.9%	1,659	1,681	22	1.3%
32.1%	1,651	1,658	7	0.4%
33.3%	1,637	1,644	7	0.4%
34.6%	1,636	1,639	3	0.2%
35.8%	1,630	1,628	-2	-0.1%
37.0%	1,574	1,621	48	3.0%
38.3%	1,572	1,620	48	3.0%
39.5%	1,571	1,602	31	2.0%
40.7%	1,567	1,590	23	1.5%
42.0%	1,519	1,526	7	0.4%
43.2%	1,492	1,519	27	1.8%
44.4%	1,484	1,499	15	1.0%
45.7%	1,476	1,483	7	0.5%
46.9%	1,467	1,457	-10	-0.7%
48.1%	1,462	1,447	-15	-1.0%
49.4%	1,446	1,430	-16	-1.1%
50.6%	1,438	1,421	-17	-1.2%
51.9%	1,434	1,410	-25	-1.7%
53.1%	1,432	1,408	-23	-1.6%
54.3%	1,420	1,395	-25	-1.8%
55.6%	1,413	1,387	-26	-1.9%
56.8%	1,405	1,374	-31	-2.2%
58.0%	1,394	1,371	-23	-1.7%
59.3%	1,388	1,368	-20	-1.5%
60.5%	1,362	1,363	1	0.1%
61.7%	1,342	1,347	5	0.4%
63.0%	1,334	1,347	13	1.0%
64.2%	1,329	1,340	11	0.8%
65.4%	1,324	1,324	0	0.0%
66.7%	1,317	1,321	4	0.3%
67.9%	1,306	1,320	15	1.1%
69.1%	1,282	1,298	16	1.2%
70.4%	1,252	1,289	37	3.0%
71.6%	1,252	1,236	-16	-1.3%
72.8%	1,223	1,203	-21	-1.7%
74.1%	1,221	1,189	-32	-2.6%
75.3%	1,209	1,178	-31	-2.6%
76.5%	1,158	1,166	8	0.7%
77.8%	1,143	1,165	21	1.8%
79.0%	1,133	1,165	31	2.8%
80.2%	1,115	1,145	30	2.7%
81.5%	1,082	1,092	10	0.9%
82.7%	1,081	1,073	-8	-0.7%
84.0%	1,081	1,013	-68	-6.3%
85.2%	1,080	1,004	-77	-7.1%
86.4%	1,063	999	-64	-6.0%
87.7%	970	963	-6	-0.6%
88.9%	967	947	-20	-2.1%
90.1%	932	935	3	0.3%
91.4%	930	918	-12	-1.3%
92.6%	929	913	-16	-1.7%
93.8%	925	900	-25	-2.7%
95.1%	871	886	15	1.7%
96.3%	788	856	68	8.6%
97.5%	767	839	72	9.3%
98.8%	725	719	-6	-0.8%
100.0%	294	355	61	20.7%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,975	1,975	0	0.0%
1.2%	1,975	1,975	0	0.0%
2.5%	1,975	1,924	-51	-2.6%
3.7%	1,867	1,805	-62	-3.3%
4.9%	1,805	1,746	-59	-3.2%
6.2%	1,786	1,741	-45	-2.5%
7.4%	1,763	1,737	-26	-1.5%
8.6%	1,741	1,709	-31	-1.8%
9.9%	1,736	1,702	-34	-1.9%
11.1%	1,731	1,681	-50	-2.9%
12.3%	1,708	1,681	-27	-1.6%
13.6%	1,706	1,679	-27	-1.6%
14.8%	1,661	1,676	15	0.9%
16.0%	1,650	1,671	21	1.2%
17.3%	1,637	1,659	22	1.3%
18.5%	1,626	1,621	-5	-0.3%
19.8%	1,621	1,600	-21	-1.3%
21.0%	1,606	1,597	-9	-0.6%
22.2%	1,600	1,597	-3	-0.2%
23.5%	1,597	1,583	-14	-0.9%
24.7%	1,587	1,577	-11	-0.7%
25.9%	1,570	1,573	3	0.2%
27.2%	1,550	1,560	10	0.6%
28.4%	1,539	1,557	18	1.1%
29.6%	1,531	1,556	25	1.6%
30.9%	1,517	1,540	23	1.5%
32.1%	1,493	1,539	46	3.1%
33.3%	1,488	1,500	12	0.8%
34.6%	1,468	1,487	19	1.3%
35.8%	1,465	1,487	22	1.5%
37.0%	1,440	1,467	27	1.9%
38.3%	1,429	1,461	32	2.2%
39.5%	1,428	1,427	-1	-0.1%
40.7%	1,425	1,422	-3	-0.2%
42.0%	1,409	1,400	-9	-0.6%
43.2%	1,408	1,397	-10	-0.7%
44.4%	1,405	1,391	-14	-1.0%
45.7%	1,380	1,387	7	0.5%
46.9%	1,372	1,350	-21	-1.5%
48.1%	1,362	1,319	-43	-3.2%
49.4%	1,326	1,313	-13	-1.0%
50.6%	1,325	1,305	-20	-1.5%
51.9%	1,321	1,295	-26	-1.9%
53.1%	1,306	1,282	-24	-1.8%
54.3%	1,297	1,282	-15	-1.2%
55.6%	1,293	1,276	-17	-1.3%
56.8%	1,283	1,262	-21	-1.7%
58.0%	1,276	1,256	-20	-1.6%
59.3%	1,270	1,251	-19	-1.5%
60.5%	1,238	1,245	7	0.5%
61.7%	1,230	1,221	-9	-0.8%
63.0%	1,217	1,219	3	0.2%
64.2%	1,213	1,218	5	0.4%
65.4%	1,208	1,209	1	0.1%
66.7%	1,206	1,195	-11	-0.9%
67.9%	1,195	1,183	-12	-1.0%
69.1%	1,169	1,170	1	0.1%
70.4%	1,141	1,128	-13	-1.1%
71.6%	1,139	1,111	-28	-2.5%
72.8%	1,111	1,110	-1	-0.1%
74.1%	1,110	1,098	-12	-1.1%
75.3%	1,078	1,084	5	0.5%
76.5%	1,076	1,083	6	0.6%
77.8%	1,023	1,082	59	5.8%
79.0%	1,018	1,000	-18	-1.7%
80.2%	1,005	1,000	-5	-0.5%
81.5%	1,000	996	-4	-0.4%
82.7%	999	962	-37	-3.7%
84.0%	999	922	-77	-7.7%
85.2%	969	886	-83	-8.6%
86.4%	958	881	-77	-8.1%
87.7%	887	864	-23	-2.5%
88.9%	884	831	-53	-6.0%
90.1%	850	831	-20	-2.3%
91.4%	848	818	-30	-3.5%
92.6%	842	816	-26	-3.1%
93.8%	799	806	7	0.9%
95.1%	789	796	7	0.9%
96.3%	686	775	89	12.9%
97.5%	672	758	85	12.7%
98.8%	642	636	-6	-0.9%
100.0%	331	391	61	18.3%

Figure SW-02-b
Trinity Lake, End of Month Elevation
Probability of Exceedance

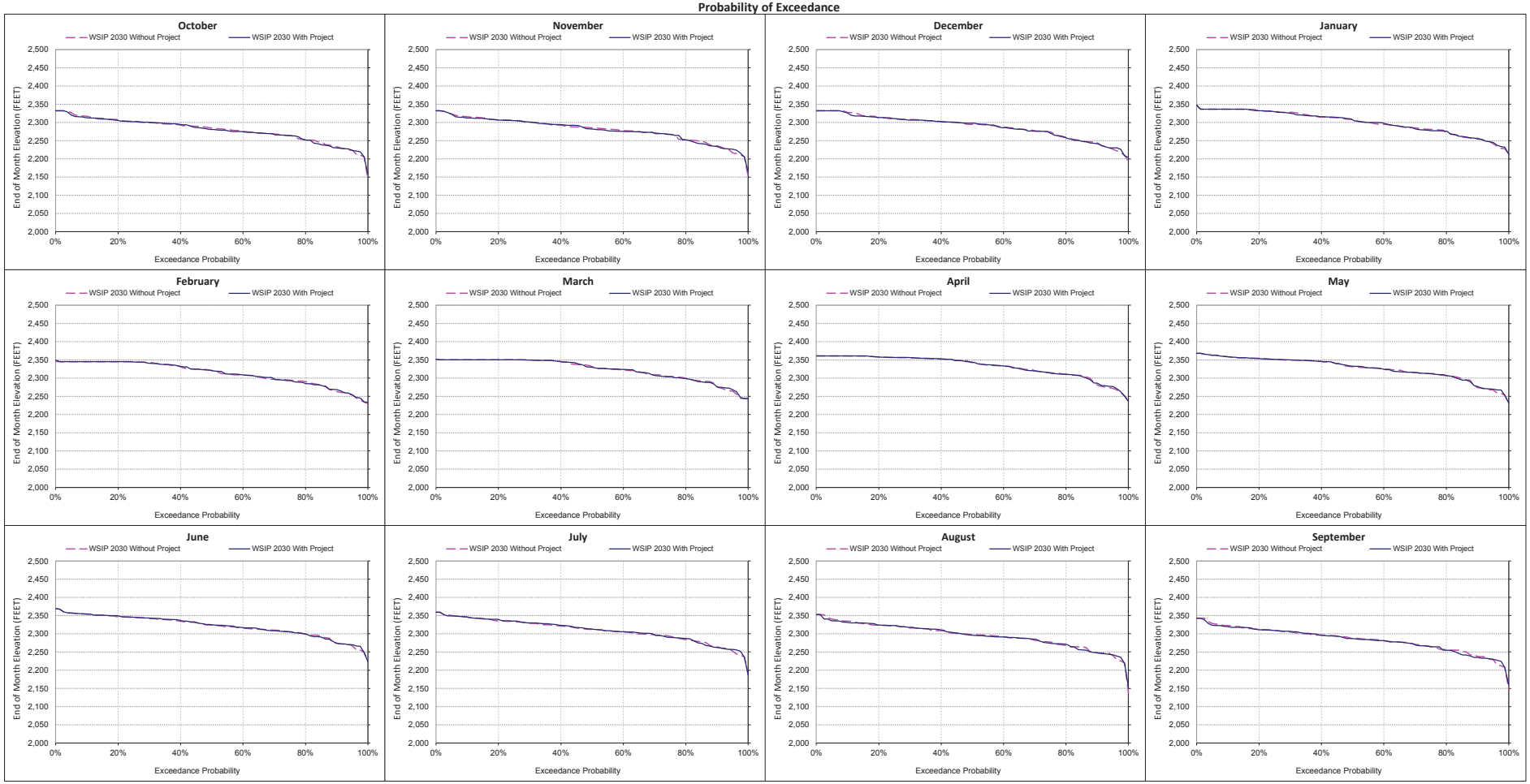


Table SW-02-b

Trinity Lake, End of Month Elevation
Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,330	2,329	-1	-0.1%
4.9%	2,327	2,320	-7	-0.3%
6.2%	2,320	2,317	-4	-0.2%
7.4%	2,319	2,315	-4	-0.2%
8.6%	2,318	2,315	-3	-0.1%
9.9%	2,317	2,313	-5	-0.2%
11.1%	2,315	2,312	-3	-0.1%
12.3%	2,312	2,312	0	0.0%
13.6%	2,312	2,310	-2	-0.1%
14.8%	2,311	2,310	-2	-0.1%
16.0%	2,310	2,309	-1	0.0%
17.3%	2,309	2,308	-1	-0.1%
18.5%	2,308	2,307	-1	-0.1%
19.8%	2,308	2,305	-3	-0.1%
21.0%	2,305	2,304	-1	-0.1%
22.2%	2,303	2,303	0	0.0%
23.5%	2,303	2,303	-1	0.0%
24.7%	2,303	2,302	-1	0.0%
25.9%	2,303	2,302	-1	0.0%
27.2%	2,300	2,302	1	0.1%
28.4%	2,300	2,301	1	0.0%
29.6%	2,299	2,301	1	0.1%
30.9%	2,299	2,300	1	0.0%
32.1%	2,299	2,299	1	0.0%
33.3%	2,297	2,299	2	0.1%
34.6%	2,296	2,298	2	0.1%
35.8%	2,296	2,297	1	0.1%
37.0%	2,296	2,297	1	0.1%
38.3%	2,295	2,296	1	0.1%
39.5%	2,294	2,295	1	0.1%
40.7%	2,291	2,294	3	0.1%
42.0%	2,291	2,293	3	0.1%
43.2%	2,290	2,290	0	0.0%
44.4%	2,290	2,286	-3	-0.1%
45.7%	2,289	2,286	-4	-0.2%
46.9%	2,288	2,285	-4	-0.2%
48.1%	2,287	2,283	-4	-0.2%
49.4%	2,285	2,281	-4	-0.2%
50.6%	2,284	2,281	-3	-0.1%
51.9%	2,283	2,280	-3	-0.1%
53.1%	2,282	2,279	-3	-0.2%
54.3%	2,281	2,279	-2	-0.1%
55.6%	2,280	2,276	-4	-0.2%
56.8%	2,278	2,275	-3	-0.1%
58.0%	2,278	2,275	-3	-0.1%
59.3%	2,278	2,275	-2	-0.1%
60.5%	2,275	2,273	-2	-0.1%
61.7%	2,274	2,273	-1	0.0%
63.0%	2,273	2,273	0	0.0%
64.2%	2,272	2,271	0	0.0%
65.4%	2,270	2,271	1	0.0%
66.7%	2,270	2,270	0	0.0%
67.9%	2,270	2,269	-1	0.0%
69.1%	2,269	2,269	0	0.0%
70.4%	2,268	2,266	-2	-0.1%
71.6%	2,267	2,265	-2	-0.1%
72.8%	2,266	2,265	-1	-0.1%
74.1%	2,264	2,264	0	0.0%
75.3%	2,264	2,264	0	0.0%
76.5%	2,260	2,263	2	0.1%
77.8%	2,255	2,261	6	0.2%
79.0%	2,253	2,254	1	0.0%
80.2%	2,251	2,252	0	0.0%
81.5%	2,251	2,251	0	0.0%
82.7%	2,251	2,243	-9	-0.4%
84.0%	2,247	2,242	-5	-0.2%
85.2%	2,247	2,238	-8	-0.4%
86.4%	2,239	2,237	-1	-0.1%
87.7%	2,238	2,236	-2	-0.1%
88.9%	2,234	2,231	-3	-0.1%
90.1%	2,233	2,230	-3	-0.1%
91.4%	2,230	2,228	-2	-0.1%
92.6%	2,228	2,228	1	0.0%
93.8%	2,224	2,227	3	0.1%
95.1%	2,223	2,223	0	0.0%
96.3%	2,213	2,222	9	0.4%
97.5%	2,210	2,219	9	0.4%
98.8%	2,206	2,205	-1	0.0%
100.0%	2,145	2,158	12	0.6%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,331	2,331	0	0.0%
3.7%	2,327	2,327	0	0.0%
4.9%	2,323	2,323	-1	0.0%
6.2%	2,320	2,316	-4	-0.2%
7.4%	2,318	2,314	-3	-0.1%
8.6%	2,317	2,314	-3	-0.1%
9.9%	2,316	2,312	-4	-0.2%
11.1%	2,315	2,312	-3	-0.1%
12.3%	2,315	2,311	-4	-0.2%
13.6%	2,314	2,311	-3	-0.1%
14.8%	2,313	2,311	-2	-0.1%
16.0%	2,312	2,310	-2	-0.1%
17.3%	2,309	2,309	0	0.0%
18.5%	2,308	2,308	0	0.0%
19.8%	2,307	2,307	0	0.0%
21.0%	2,307	2,307	0	0.0%
22.2%	2,307	2,306	-1	0.0%
23.5%	2,306	2,306	0	0.0%
24.7%	2,306	2,305	-1	0.0%
25.9%	2,304	2,305	0	0.0%
27.2%	2,304	2,304	0	0.0%
28.4%	2,301	2,302	1	0.1%
29.6%	2,300	2,301	1	0.0%
30.9%	2,300	2,300	0	0.0%
32.1%	2,300	2,299	-1	0.0%
33.3%	2,298	2,297	0	0.0%
34.6%	2,296	2,297	1	0.0%
35.8%	2,296	2,296	0	0.0%
37.0%	2,293	2,295	2	0.1%
38.3%	2,293	2,295	2	0.1%
39.5%	2,293	2,294	1	0.1%
40.7%	2,292	2,294	2	0.1%
42.0%	2,288	2,292	4	0.2%
43.2%	2,288	2,292	4	0.2%
44.4%	2,288	2,292	4	0.2%
45.7%	2,288	2,291	4	0.2%
46.9%	2,287	2,287	0	0.0%
48.1%	2,287	2,283	-4	-0.2%
49.4%	2,285	2,282	-3	-0.1%
50.6%	2,285	2,281	-3	-0.1%
51.9%	2,284	2,280	-4	-0.2%
53.1%	2,283	2,280	-3	-0.1%
54.3%	2,283	2,279	-4	-0.2%
55.6%	2,282	2,277	-5	-0.2%
56.8%	2,281	2,277	-4	-0.2%
58.0%	2,280	2,276	-4	-0.2%
59.3%	2,279	2,276	-3	-0.1%
60.5%	2,277	2,275	-2	-0.1%
61.7%	2,277	2,275	-2	-0.1%
63.0%	2,277	2,275	-2	-0.1%
64.2%	2,276	2,275	-1	-0.1%
65.4%	2,274	2,274	0	0.0%
66.7%	2,273	2,273	0	0.0%
67.9%	2,273	2,273	0	0.0%
69.1%	2,273	2,273	0	0.0%
70.4%	2,271	2,270	-1	-0.1%
71.6%	2,270	2,269	-1	0.0%
72.8%	2,270	2,269	-1	0.0%
74.1%	2,268	2,267	-1	0.0%
75.3%	2,267	2,267	0	0.0%
76.5%	2,265	2,264	-1	0.0%
77.8%	2,254	2,264	10	0.5%
79.0%	2,253	2,252	-1	0.0%
80.2%	2,252	2,252	0	0.0%
81.5%	2,251	2,249	-2	-0.1%
82.7%	2,251	2,246	-5	-0.2%
84.0%	2,249	2,242	-7	-0.3%
85.2%	2,249	2,241	-8	-0.3%
86.4%	2,245	2,240	-5	-0.2%
87.7%	2,239	2,236	-3	-0.1%
88.9%	2,236	2,235	-1	-0.1%
90.1%	2,236	2,234	-2	-0.1%
91.4%	2,232	2,229	-3	-0.1%
92.6%	2,227	2,228	1	0.0%
93.8%	2,225	2,227	2	0.1%
95.1%	2,216	2,227	10	0.5%
96.3%	2,214	2,224	10	0.4%
97.5%	2,211	2,216	5	0.2%
98.8%	2,206	2,205	-1	0.0%
100.0%	2,150	2,163	12	0.6%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,332	2,332	0	0.0%
8.6%	2,332	2,329	-3	-0.1%
9.9%	2,328	2,326	-1	0.0%
11.1%	2,327	2,320	-7	-0.3%
12.3%	2,326	2,318	-8	-0.4%
13.6%	2,323	2,318	-5	-0.2%
14.8%	2,318	2,317	-1	0.0%
16.0%	2,317	2,316	-1	0.0%
17.3%	2,317	2,316	-1	-0.1%
18.5%	2,317	2,315	-2	-0.1%
19.8%	2,313	2,314	0	0.0%
21.0%	2,313	2,314	0	0.0%
22.2%	2,312	2,313	0	0.0%
23.5%	2,310	2,313	2	0.1%
24.7%	2,310	2,310	0	0.0%
25.9%	2,309	2,310	1	0.0%
27.2%	2,309	2,309	0	0.0%
28.4%	2,308	2,308	0	0.0%
29.6%	2,308	2,306	-2	-0.1%
30.9%	2,308	2,306	-2	-0.1%
32.1%	2,308	2,306	-1	-0.1%
33.3%	2,306	2,306	0	0.0%
34.6%	2,305	2,305	0	0.0%
35.8%	2,305	2,305	0	0.0%
37.0%	2,304	2,305	1	0.0%
38.3%	2,303	2,303	0	0.0%
39.5%	2,303	2,303	0	0.0%
40.7%	2,302	2,301	-1	0.0%
42.0%	2,302	2,301	0	0.0%
43.2%	2,301	2,301	0	0.0%
44.4%	2,301	2,300	-1	0.0%
45.7%	2,300	2,299	-1	0.0%
46.9%	2,299	2,299	-1	0.0%
48.1%	2,295	2,298	3	0.1%
49.4%	2,295	2,298	3	0.1%
50.6%	2,295	2,298	3	0.1%
51.9%	2,295	2,296	1	0.0%
53.1%	2,294	2,295	1	0.1%
54.3%	2,293	2,295	2	0.1%
55.6%	2,292	2,293	1	0.0%
56.8%	2,291	2,293	2	0.1%
58.0%	2,290	2,288	-2	-0.1%
59.3%	2,288	2,286	-2	-0.1%
60.5%	2,287	2,285	-2	-0.1%
61.7%	2,285	2,284	-1	-0.1%
63.0%	2,285	2,283	-2	-0.1%
64.2%	2,282	2,282	0	0.0%
65.4%	2,282	2,281	-1	0.0%
66.7%	2,280	2,281	0	0.0%
67.9%	2,279	2,277	-3	-0.1%
69.1%	2,279	2,276	-2	-0.1%
70.4%	2,277	2,276	-1	0.0%
71.6%	2,276	2,276	0	0.0%
72.8%	2,275	2,276	1	0.0%
74.1%	2,275	2,275	0	0.0%
75.3%	2,273	2,269	-4	-0.2%
76.5%	2,267	2,264	-3	-0.1%
77.8%	2,262	2,264	2	0.1%
79.0%	2,260	2,262	2	0.1%
80.2%	2,259	2,257	-2	-0.1%
81.5%	2,255	2,255	0	0.0%
82.7%	2,253	2,251	-3	-0.1%
84.0%	2,251	2,250	-1	0.0%
85.2%	2,247	2,248	1	0.0%
86.4%	2,247	2,247	0	0.0%
87.7%	2,247	2,244	-3	-0.1%
88.9%	2,246	2,243	-3	-0.1%
90.1%	2,244	2,242	-2	-0.1%
91.4%	2,236	2,237	1	0.0%
92.6%	2,234	2,233	-1	0.0%
93.8%	2,230	2,230	0	0.0%
95.1%	2,226	2,230	4	0.2%
96.3%	2,222	2,230	8	0.4%
97.5%	2,218	2,226	9	0.4%
98.8%	2,209	2,209	-1	0.0%
100.0%	2,194	2,204	10	0.5%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,348	2,348	0	0.0%
1.2%	2,337	2,337	0	0.0%
2.5%	2,337	2,337	0	0.0%
3.7%	2,337	2,337	0	0.0%
4.9%	2,337	2,337	0	0.0%
6.2%	2,337	2,337	0	0.0%
7.4%	2,337	2,337	0	0.0%
8.6%	2,337	2,337	0	0.0%
9.9%	2,337	2,337	0	0.0%
11.1%	2,337	2,337	0	0.0%
12.3%	2,337	2,337	0	0.0%
13.6%	2,337	2,337	0	0.0%
14.8%	2,337	2,337	0	0.0%
16.0%	2,336	2,337	0	0.0%
17.3%	2,336	2,334	-1	-0.1%
18.5%	2,336	2,333	-3	-0.1%
19.8%	2,332	2,332	-1	0.0%
21.0%	2,332	2,332	0	0.0%
22.2%	2,331	2,332	1	0.0%
23.5%	2,331	2,331	0	0.0%
24.7%	2,330	2,330	0	0.0%
25.9%	2,330	2,328	-2	-0.1%
27.2%	2,328	2,328	0	0.0%
28.4%	2,328	2,327	-1	0.0%
29.6%	2,328	2,326	-2	-0.1%
30.9%	2,327	2,324	-3	-0.1%
32.1%	2,326	2,321	-5	-0.2%
33.3%	2,324	2,321	-3	-0.1%
34.6%	2,322	2,319	-3	-0.1%
35.8%	2,320	2,319	-1	-0.1%
37.0%	2,317	2,318	1	0.0%
38.3%	2,316	2,318	1	0.1%
39.5%	2,315	2,316	1	0.0%
40.7%	2,315	2,316	1	0.0%
42.0%	2,314	2,315	1	0.1%
43.2%	2,313	2,315	2	0.1%
44.4%	2,313	2,314	1	0.0%
45.7%	2,313	2,313	0	0.0%
46.9%	2,311	2,313	2	0.1%
48.1%	2,309	2,311	2	0.1%
49.4%	2,309	2,310	1	0.1%
50.6%	2,307	2,304	-3	-0.1%
51.9%	2,302	2,303	1	0.1%
53.1%	2,301	2,301	0	0.0%
54.3%	2,301	2,300	-1	0.0%
55.6%	2,300	2,300	0	0.0%
56.8%	2,297	2,300	3	0.1%
58.0%	2,295	2,300	5	0.2%
59.3%	2,295	2,299	4	0.2%
60.5%	2,295	2,296	1	0.1%
61.7%	2,293	2,293	0	0.0%
63.0%	2,291	2,292	1	0.0%
64.2%	2,291	2,291	0	0.0%
65.4%	2,289	2,289	0	0.0%
66.7%	2,287	2,287	0	0.0%
67.9%	2,286	2,287	1	0.0%
69.1%	2,285	2,286	1	0.0%
70.4%	2,285	2,281	-4	-0.2%
71.6%	2,283	2,280	-3	-0.1%
72.8%	2,282	2,279	-3	-0.1%
74.1%	2,281	2,279	-2	-0.1%
75.3%	2,281	2,277	-3	-0.2%
76.5%	2,280	2,277	-3	-0.1%
77.8%	2,279	2,277	-2	-0.1%
79.0%	2,279	2,277	-2	-0.1%
80.2%	2,270	2,276	6	0.3%
81.5%	2,269	2,268	-1	-0.1%
82.7%	2,266	2,267	1	0.1%
84.0%	2,264	2,262	-2	-0.1%
85.2%	2,260	2,262	2	0.1%
86.4%	2,259	2,260	2	0.1%
87.7%	2,257	2,258	1	0.0%
88.9%	2,257	2,257	0	0.0%
90.1%	2,256	2,254	-2	-0.1%
91.4%	2,253	2,253	1	0.0%
92.6%	2,250	2,249	-1	0.0%
93.8%	2,247	2,247	0	0.0%
95.1%	2,241	2,245	4	0.2%
96.3%	2,234	2,237	3	0.1%
97.5%	2,229	2,233	5	0.2%
98.8%	2,228	2,232	4	0.2%
100.0%	2,214	2,213	-1	0.0%

Table SW-02-b

Trinity Lake, End of Month Elevation
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,346	2,349	4	0.1%
1.2%	2,345	2,345	0	0.0%
2.5%	2,345	2,345	0	0.0%
3.7%	2,345	2,345	0	0.0%
4.9%	2,345	2,345	0	0.0%
6.2%	2,345	2,345	0	0.0%
7.4%	2,345	2,345	0	0.0%
8.6%	2,345	2,345	0	0.0%
9.9%	2,345	2,345	0	0.0%
11.1%	2,345	2,345	0	0.0%
12.3%	2,345	2,345	0	0.0%
13.6%	2,345	2,345	0	0.0%
14.8%	2,345	2,345	0	0.0%
16.0%	2,345	2,345	0	0.0%
17.3%	2,345	2,345	0	0.0%
18.5%	2,345	2,345	0	0.0%
19.8%	2,345	2,345	0	0.0%
21.0%	2,345	2,345	0	0.0%
22.2%	2,345	2,345	0	0.0%
23.5%	2,345	2,345	0	0.0%
24.7%	2,345	2,344	-1	0.0%
25.9%	2,345	2,344	-1	0.0%
27.2%	2,344	2,344	0	0.0%
28.4%	2,343	2,344	0	0.0%
29.6%	2,343	2,341	-2	-0.1%
30.9%	2,342	2,340	-2	-0.1%
32.1%	2,340	2,340	0	0.0%
33.3%	2,339	2,338	-1	0.0%
34.6%	2,338	2,338	0	0.0%
35.8%	2,337	2,337	0	0.0%
37.0%	2,335	2,337	2	0.1%
38.3%	2,335	2,335	0	0.0%
39.5%	2,332	2,333	1	0.0%
40.7%	2,328	2,331	3	0.1%
42.0%	2,326	2,331	5	0.2%
43.2%	2,325	2,325	0	0.0%
44.4%	2,325	2,325	0	0.0%
45.7%	2,325	2,325	0	0.0%
46.9%	2,324	2,323	-1	0.0%
48.1%	2,324	2,323	-1	0.0%
49.4%	2,322	2,321	0	0.0%
50.6%	2,321	2,319	-1	-0.1%
51.9%	2,317	2,319	2	0.1%
53.1%	2,312	2,318	6	0.3%
54.3%	2,312	2,312	0	0.0%
55.6%	2,312	2,311	-1	0.0%
56.8%	2,309	2,311	2	0.1%
58.0%	2,309	2,311	2	0.1%
59.3%	2,309	2,309	0	0.0%
60.5%	2,308	2,308	0	0.0%
61.7%	2,308	2,308	0	0.0%
63.0%	2,307	2,307	1	0.0%
64.2%	2,305	2,305	0	0.0%
65.4%	2,303	2,304	1	0.1%
66.7%	2,300	2,302	2	0.1%
67.9%	2,298	2,302	4	0.2%
69.1%	2,297	2,301	5	0.2%
70.4%	2,297	2,296	-1	0.0%
71.6%	2,296	2,295	-1	0.0%
72.8%	2,296	2,295	-1	-0.1%
74.1%	2,295	2,293	-2	-0.1%
75.3%	2,294	2,293	-1	-0.1%
76.5%	2,292	2,289	-3	-0.1%
77.8%	2,292	2,289	-3	-0.1%
79.0%	2,292	2,288	-3	-0.2%
80.2%	2,290	2,285	-5	-0.2%
81.5%	2,286	2,285	-2	-0.1%
82.7%	2,285	2,282	-3	-0.1%
84.0%	2,283	2,282	-1	0.0%
85.2%	2,280	2,280	0	0.0%
86.4%	2,278	2,277	-2	-0.1%
87.7%	2,268	2,269	1	0.0%
88.9%	2,266	2,269	2	0.1%
90.1%	2,263	2,268	6	0.3%
91.4%	2,261	2,264	4	0.2%
92.6%	2,260	2,260	0	0.0%
93.8%	2,256	2,259	2	0.1%
95.1%	2,254	2,253	-1	0.0%
96.3%	2,245	2,247	1	0.1%
97.5%	2,240	2,245	6	0.2%
98.8%	2,234	2,235	0	0.0%
100.0%	2,230	2,233	3	0.1%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,352	2,352	0	0.0%
1.2%	2,350	2,350	0	0.0%
2.5%	2,350	2,350	0	0.0%
3.7%	2,350	2,350	0	0.0%
4.9%	2,350	2,350	0	0.0%
6.2%	2,350	2,350	0	0.0%
7.4%	2,350	2,350	0	0.0%
8.6%	2,350	2,350	0	0.0%
9.9%	2,350	2,350	0	0.0%
11.1%	2,350	2,350	0	0.0%
12.3%	2,350	2,350	0	0.0%
13.6%	2,350	2,350	0	0.0%
14.8%	2,350	2,350	0	0.0%
16.0%	2,350	2,350	0	0.0%
17.3%	2,350	2,350	0	0.0%
18.5%	2,350	2,350	0	0.0%
19.8%	2,350	2,350	0	0.0%
21.0%	2,350	2,350	0	0.0%
22.2%	2,350	2,350	0	0.0%
23.5%	2,350	2,350	0	0.0%
24.7%	2,350	2,350	0	0.0%
25.9%	2,350	2,350	0	0.0%
27.2%	2,350	2,350	0	0.0%
28.4%	2,350	2,350	0	0.0%
29.6%	2,350	2,350	0	0.0%
30.9%	2,349	2,349	0	0.0%
32.1%	2,349	2,349	0	0.0%
33.3%	2,349	2,349	0	0.0%
34.6%	2,349	2,349	0	0.0%
35.8%	2,349	2,349	0	0.0%
37.0%	2,348	2,349	1	0.0%
38.3%	2,347	2,347	0	0.0%
39.5%	2,346	2,346	0	0.0%
40.7%	2,345	2,344	-1	-0.1%
42.0%	2,344	2,344	0	0.0%
43.2%	2,339	2,343	4	0.2%
44.4%	2,338	2,343	5	0.2%
45.7%	2,337	2,339	2	0.1%
46.9%	2,337	2,337	0	0.0%
48.1%	2,336	2,331	-5	-0.2%
49.4%	2,334	2,330	-3	-0.1%
50.6%	2,330	2,329	-1	0.0%
51.9%	2,327	2,327	0	0.0%
53.1%	2,327	2,327	0	0.0%
54.3%	2,327	2,326	-1	0.0%
55.6%	2,324	2,325	1	0.0%
56.8%	2,324	2,325	1	0.0%
58.0%	2,324	2,325	1	0.1%
59.3%	2,323	2,324	1	0.0%
60.5%	2,322	2,324	2	0.1%
61.7%	2,321	2,323	2	0.1%
63.0%	2,321	2,323	2	0.1%
64.2%	2,319	2,317	-2	-0.1%
65.4%	2,317	2,316	-1	0.0%
66.7%	2,315	2,315	1	0.0%
67.9%	2,311	2,314	3	0.1%
69.1%	2,309	2,310	0	0.0%
70.4%	2,309	2,307	-2	-0.1%
71.6%	2,309	2,306	-3	-0.1%
72.8%	2,307	2,305	-2	-0.1%
74.1%	2,304	2,304	0	0.0%
75.3%	2,304	2,304	0	0.0%
76.5%	2,304	2,301	-3	-0.1%
77.8%	2,303	2,301	-2	-0.1%
79.0%	2,302	2,300	-2	-0.1%
80.2%	2,299	2,299	-1	0.0%
81.5%	2,296	2,297	1	0.0%
82.7%	2,294	2,294	0	0.0%
84.0%	2,293	2,290	-2	-0.1%
85.2%	2,292	2,290	-2	-0.1%
86.4%	2,291	2,288	-2	-0.1%
87.7%	2,290	2,288	-2	-0.1%
88.9%	2,286	2,285	-2	-0.1%
90.1%	2,275	2,275	0	0.0%
91.4%	2,272	2,275	2	0.1%
92.6%	2,269	2,273	5	0.2%
93.8%	2,265	2,273	7	0.3%
95.1%	2,264	2,268	4	0.2%
96.3%	2,256	2,262	7	0.3%
97.5%	2,245	2,246	2	0.1%
98.8%	2,244	2,244	0	0.0%
100.0%	2,243	2,244	1	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,361	2,361	0	0.0%
1.2%	2,361	2,361	0	0.0%
2.5%	2,361	2,361	0	0.0%
3.7%	2,361	2,361	0	0.0%
4.9%	2,361	2,361	0	0.0%
6.2%	2,361	2,361	0	0.0%
7.4%	2,361	2,361	0	0.0%
8.6%	2,361	2,361	0	0.0%
9.9%	2,361	2,361	0	0.0%
11.1%	2,361	2,361	0	0.0%
12.3%	2,361	2,361	0	0.0%
13.6%	2,361	2,361	0	0.0%
14.8%	2,361	2,361	0	0.0%
16.0%	2,361	2,361	0	0.0%
17.3%	2,360	2,360	0	0.0%
18.5%	2,359	2,359	0	0.0%
19.8%	2,358	2,358	0	0.0%
21.0%	2,358	2,358	0	0.0%
22.2%	2,357	2,357	0	0.0%
23.5%	2,357	2,357	0	0.0%
24.7%	2,357	2,357	0	0.0%
25.9%	2,357	2,357	0	0.0%
27.2%	2,356	2,356	0	0.0%
28.4%	2,356	2,356	0	0.0%
29.6%	2,356	2,356	0	0.0%
30.9%	2,355	2,356	1	0.0%
32.1%	2,355	2,355	0	0.0%
33.3%	2,355	2,355	0	0.0%
34.6%	2,354	2,354	0	0.0%
35.8%	2,354	2,354	1	0.0%
37.0%	2,354	2,354	0	0.0%
38.3%	2,354	2,354	0	0.0%
39.5%	2,352	2,353	1	0.0%
40.7%	2,352	2,352	0	0.0%
42.0%	2,352	2,352	0	0.0%
43.2%	2,351	2,352	1	0.0%
44.4%	2,349	2,348	-1	0.0%
45.7%	2,349	2,348	0	0.0%
46.9%	2,348	2,348	0	0.0%
48.1%	2,348	2,345	-2	-0.1%
49.4%	2,343	2,345	1	0.1%
50.6%	2,342	2,343	1	0.0%
51.9%	2,339	2,339	-1	0.0%
53.1%	2,338	2,338	0	0.0%
54.3%	2,336	2,337	0	0.0%
55.6%	2,335	2,336	1	0.0%
56.8%	2,335	2,336	2	0.1%
58.0%	2,334	2,334	0	0.0%
59.3%	2,334	2,334	-1	0.0%
60.5%	2,332	2,333	1	0.0%
61.7%	2,332	2,332	0	0.0%
63.0%	2,330	2,328	-2	-0.1%
64.2%	2,328	2,327	0	0.0%
65.4%	2,325	2,327	2	0.1%
66.7%	2,324	2,323	-2	-0.1%
67.9%	2,324	2,321	-3	-0.1%
69.1%	2,323	2,320	-3	-0.1%
70.4%	2,319	2,319	0	0.0%
71.6%	2,318	2,318	0	0.0%
72.8%	2,317	2,317	-1	0.0%
74.1%	2,315	2,316	1	0.0%
75.3%	2,315	2,313	-2	-0.1%
76.5%	2,313	2,313	-1	0.0%
77.8%	2,313	2,311	-2	-0.1%
79.0%	2,311	2,311	0	0.0%
80.2%	2,310	2,310	0	0.0%
81.5%	2,309	2,309	1	0.0%
82.7%	2,308	2,308	0	0.0%
84.0%	2,308	2,308	0	0.0%
85.2%	2,307	2,305	-3	-0.1%
86.4%	2,303	2,300	-3	-0.1%
87.7%	2,300	2,296	-4	-0.2%
88.9%	2,288	2,287	-2	-0.1%
90.1%	2,281	2,286	6	0.3%
91.4%	2,277	2,280	3	0.1%
92.6%	2,276	2,279	3	0.1%
93.8%	2,274	2,278	4	0.2%
95.1%	2,271	2,277	5	0.2%
96.3%	2,268	2,271	3	0.1%
97.5%	2,259	2,263	4	0.2%
98.8%	2,251	2,251	-1	0.0%
100.0%	2,236	2,236	0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,368	2,368	0	0.0%
1.2%	2,368	2,368	0	0.0%
2.5%	2,366	2,366	0	0.0%
3.7%	2,364	2,364	0	0.0%
4.9%	2,363	2,363	0	0.0%
6.2%	2,363	2,363	0	0.0%
7.4%	2,361	2,361	0	0.0%
8.6%	2,360	2,360	-1	0.0%
9.9%	2,359	2,359	0	0.0%
11.1%	2,358	2,357	-1	0.0%
12.3%	2,356	2,357	1	0.0%
13.6%	2,356	2,356	0	0.0%
14.8%	2,356	2,356	0	0.0%
16.0%	2,356	2,356	0	0.0%
17.3%	2,355	2,355	0	0.0%
18.5%	2,355	2,355	0	0.0%
19.8%	2,355	2,354	-1	0.0%
21.0%	2,353	2,353	1	0.0%
22.2%	2,352	2,353	1	0.0%
23.5%	2,352	2,352	0	0.0%
24.7%	2,351	2,352	1	0.0%
25.9%	2,351	2,351	0	0.0%
27.2%	2,350	2,351	1	0.0%
28.4%	2,350	2,350	0	0.0%
29.6%	2,350	2,350	0	0.0%
30.9%	2,350	2,350	0	0.0%
32.1%	2,349	2,350	0	0.0%
33.3%	2,348	2,349	0	0.0%
34.6%	2,348	2,348	0	0.0%
35.8%	2,348	2,348	0	0.0%
37.0%	2,348	2,348	0	0.0%
38.3%	2,348	2,346	-1	-0.1%
39.5%	2,346	2,346	0	0.0%
40.7%	2,345	2,345	0	0.0%
42.0%	2,345	2,345	0	0.0%
43.2%	2,343	2,344	1	0.0%
44.4%	2,341	2,340	-1	0.0%
45.7%	2,339	2,339	0	0.0%
46.9%	2,335	2,337	1	0.1%
48.1%	2,333	2,335	3	0.1%
49.4%	2,332	2,333	1	0.1%
50.6%	2,331	2,333	1	0.1%
51.9%	2,330	2,332	2	0.1%
53.1%	2,329	2,331	2	0.1%
54.3%	2,329	2,329	0	0.0%
55.6%	2,328	2,328	0	0.0%
56.8%	2,327	2,328	0	0.0%
58.0%	2,327	2,327	0	0.0%
59.3%	2,326	2,326	0	0.0%
60.5%	2,325	2,323	-2	-0.1%
61.7%	2,324	2,323	-1	-0.1%
63.0%	2,322	2,319	-3	-0.1%
64.2%	2,322	2,318	-3	-0.1%
65.4%	2,321	2,318	-4	-0.2%
66.7%	2,317	2,317	0	0.0%
67.9%	2,316	2,316	0	0.0%
69.1%	2,315	2,316	0	0.0%
70.4%	2,315	2,315	0	0.0%
71.6%	2,314	2,314	0	0.0%
72.8%	2,313	2,313	0	0.0%
74.1%	2,313	2,313	0	0.0%
75.3%	2,313	2,312	-1	0.0%
76.5%	2,312	2,310	-2	-0.1%
77.8%	2,309	2,309	1	0.0%
79.0%	2,308	2,309	2	0.1%
80.2%	2,306	2,307	0	0.0%
81.5%	2,306	2,305	-1	0.0%
82.7%	2,304	2,302	-2	-0.1%
84.0%	2,302	2,298	-3	-0.1%
85.2%	2,298	2,295	-3	-0.1%
86.4%	2,295	2,294	-1	0.0%
87.7%	2,294	2,291	-4	-0.2%
88.9%	2,278	2,279	1	0.0%
90.1%	2,274	2,276	3	0.1%
91.4%	2,273	2,272	-2	-0.1%
92.6%	2,271	2,271	1	0.0%
93.8%	2,268	2,270	2	0.1%
95.1%	2,267	2,269	2	0.1%
96.3%	2,259	2,267	9	0.4%
97.5%	2,258	2,267	10	0.4%
98.8%	2,253	2,253	-1	0.0%
100.0%	2,232	2,232	0	0.0%

Table SW-02-b

Trinity Lake, End of Month Elevation
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,369	2,369	0	0.0%
1.2%	2,368	2,368	0	0.0%
2.5%	2,361	2,361	0	0.0%
3.7%	2,357	2,357	0	0.0%
4.9%	2,357	2,357	0	0.0%
6.2%	2,356	2,356	0	0.0%
7.4%	2,355	2,355	0	0.0%
8.6%	2,355	2,355	0	0.0%
9.9%	2,354	2,354	0	0.0%
11.1%	2,354	2,354	0	0.0%
12.3%	2,352	2,352	0	0.0%
13.6%	2,352	2,351	0	0.0%
14.8%	2,351	2,351	1	0.0%
16.0%	2,350	2,351	1	0.0%
17.3%	2,350	2,350	0	0.0%
18.5%	2,349	2,350	1	0.0%
19.8%	2,347	2,350	3	0.1%
21.0%	2,346	2,347	0	0.0%
22.2%	2,346	2,346	0	0.0%
23.5%	2,345	2,346	1	0.0%
24.7%	2,345	2,345	0	0.0%
25.9%	2,344	2,345	1	0.0%
27.2%	2,344	2,344	0	0.0%
28.4%	2,344	2,344	0	0.0%
29.6%	2,342	2,344	1	0.1%
30.9%	2,342	2,343	1	0.0%
32.1%	2,341	2,342	1	0.0%
33.3%	2,340	2,342	2	0.1%
34.6%	2,339	2,340	1	0.0%
35.8%	2,338	2,340	1	0.1%
37.0%	2,338	2,339	2	0.1%
38.3%	2,337	2,339	2	0.1%
39.5%	2,335	2,338	3	0.1%
40.7%	2,334	2,335	1	0.1%
42.0%	2,333	2,335	2	0.1%
43.2%	2,332	2,333	1	0.0%
44.4%	2,331	2,332	1	0.1%
45.7%	2,330	2,329	-1	0.0%
46.9%	2,328	2,327	-1	0.0%
48.1%	2,324	2,326	1	0.0%
49.4%	2,324	2,325	1	0.1%
50.6%	2,323	2,324	1	0.0%
51.9%	2,323	2,324	1	0.0%
53.1%	2,321	2,323	2	0.1%
54.3%	2,319	2,323	3	0.1%
55.6%	2,319	2,321	2	0.1%
56.8%	2,319	2,321	3	0.1%
58.0%	2,319	2,318	-1	0.0%
59.3%	2,318	2,317	-1	0.0%
60.5%	2,315	2,316	1	0.1%
61.7%	2,314	2,316	2	0.1%
63.0%	2,313	2,316	3	0.1%
64.2%	2,312	2,316	3	0.1%
65.4%	2,312	2,312	0	0.0%
66.7%	2,311	2,312	0	0.0%
67.9%	2,311	2,309	-2	-0.1%
69.1%	2,310	2,308	-2	-0.1%
70.4%	2,310	2,308	-2	-0.1%
71.6%	2,309	2,307	-2	-0.1%
72.8%	2,307	2,306	-1	0.0%
74.1%	2,306	2,306	0	0.0%
75.3%	2,306	2,305	-1	0.0%
76.5%	2,304	2,303	-1	0.0%
77.8%	2,304	2,302	-1	-0.1%
79.0%	2,302	2,301	-1	0.0%
80.2%	2,298	2,299	2	0.1%
81.5%	2,296	2,294	-2	-0.1%
82.7%	2,296	2,292	-4	-0.2%
84.0%	2,296	2,292	-4	-0.2%
85.2%	2,292	2,291	-1	-0.1%
86.4%	2,289	2,286	-4	-0.2%
87.7%	2,288	2,285	-3	-0.1%
88.9%	2,274	2,278	4	0.2%
90.1%	2,274	2,274	-1	0.0%
91.4%	2,272	2,272	0	0.0%
92.6%	2,272	2,272	0	0.0%
93.8%	2,271	2,270	-1	-0.1%
95.1%	2,266	2,270	3	0.1%
96.3%	2,256	2,267	11	0.5%
97.5%	2,255	2,265	10	0.4%
98.8%	2,249	2,248	-1	0.0%
100.0%	2,223	2,223	0	0.0%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,359	2,359	0	0.0%
1.2%	2,359	2,359	0	0.0%
2.5%	2,353	2,353	0	0.0%
3.7%	2,353	2,349	-3	-0.1%
4.9%	2,350	2,349	-1	0.0%
6.2%	2,349	2,348	-1	0.0%
7.4%	2,348	2,348	0	0.0%
8.6%	2,347	2,347	0	0.0%
9.9%	2,346	2,346	0	0.0%
11.1%	2,344	2,344	0	0.0%
12.3%	2,344	2,343	-1	-0.1%
13.6%	2,342	2,342	0	0.0%
14.8%	2,341	2,342	1	0.1%
16.0%	2,340	2,341	1	0.0%
17.3%	2,340	2,340	0	0.0%
18.5%	2,337	2,340	3	0.1%
19.8%	2,335	2,340	4	0.2%
21.0%	2,335	2,337	2	0.1%
22.2%	2,335	2,335	1	0.0%
23.5%	2,334	2,335	1	0.1%
24.7%	2,334	2,335	1	0.0%
25.9%	2,332	2,335	2	0.1%
27.2%	2,332	2,332	0	0.0%
28.4%	2,332	2,331	-1	0.0%
29.6%	2,329	2,330	1	0.1%
30.9%	2,329	2,330	1	0.1%
32.1%	2,329	2,330	1	0.1%
33.3%	2,325	2,329	3	0.1%
34.6%	2,325	2,328	3	0.1%
35.8%	2,325	2,328	3	0.1%
37.0%	2,324	2,326	2	0.1%
38.3%	2,323	2,326	3	0.1%
39.5%	2,322	2,323	2	0.1%
40.7%	2,321	2,323	2	0.1%
42.0%	2,320	2,322	2	0.1%
43.2%	2,319	2,321	2	0.1%
44.4%	2,317	2,318	1	0.0%
45.7%	2,315	2,317	2	0.1%
46.9%	2,315	2,316	2	0.1%
48.1%	2,312	2,314	2	0.1%
49.4%	2,312	2,314	2	0.1%
50.6%	2,312	2,312	0	0.0%
51.9%	2,311	2,311	0	0.0%
53.1%	2,310	2,311	1	0.0%
54.3%	2,308	2,309	1	0.0%
55.6%	2,308	2,308	0	0.0%
56.8%	2,307	2,307	0	0.0%
58.0%	2,306	2,306	0	0.0%
59.3%	2,306	2,306	0	0.0%
60.5%	2,305	2,305	0	0.0%
61.7%	2,304	2,305	1	0.0%
63.0%	2,302	2,305	3	0.1%
64.2%	2,300	2,303	3	0.1%
65.4%	2,299	2,302	3	0.1%
66.7%	2,299	2,302	3	0.1%
67.9%	2,299	2,301	3	0.1%
69.1%	2,298	2,300	2	0.1%
70.4%	2,296	2,296	0	0.0%
71.6%	2,295	2,295	0	0.0%
72.8%	2,295	2,293	-2	-0.1%
74.1%	2,294	2,290	-4	-0.2%
75.3%	2,292	2,290	-2	-0.1%
76.5%	2,291	2,289	-2	-0.1%
77.8%	2,287	2,289	1	0.1%
79.0%	2,285	2,288	3	0.1%
80.2%	2,284	2,287	4	0.2%
81.5%	2,282	2,285	3	0.1%
82.7%	2,281	2,280	0	0.0%
84.0%	2,279	2,275	-4	-0.2%
85.2%	2,277	2,273	-4	-0.2%
86.4%	2,276	2,268	-8	-0.3%
87.7%	2,268	2,266	-2	-0.1%
88.9%	2,265	2,264	-1	0.0%
90.1%	2,264	2,262	-2	-0.1%
91.4%	2,261	2,261	0	0.0%
92.6%	2,260	2,258	-2	-0.1%
93.8%	2,260	2,257	-2	-0.1%
95.1%	2,252	2,257	5	0.2%
96.3%	2,244	2,255	11	0.5%
97.5%	2,242	2,252	10	0.5%
98.8%	2,236	2,236	-1	0.0%
100.0%	2,187	2,187	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,353	2,353	0	0.0%
1.2%	2,353	2,353	0	0.0%
2.5%	2,352	2,341	-11	-0.5%
3.7%	2,343	2,340	-3	-0.1%
4.9%	2,341	2,336	-5	-0.2%
6.2%	2,338	2,335	-3	-0.1%
7.4%	2,338	2,335	-3	-0.1%
8.6%	2,335	2,332	-3	-0.1%
9.9%	2,335	2,331	-4	-0.2%
11.1%	2,334	2,330	-4	-0.2%
12.3%	2,332	2,330	-2	-0.1%
13.6%	2,330	2,330	0	0.0%
14.8%	2,328	2,330	1	0.1%
16.0%	2,327	2,329	2	0.1%
17.3%	2,325	2,328	3	0.1%
18.5%	2,324	2,328	4	0.2%
19.8%	2,324	2,324	0	0.0%
21.0%	2,323	2,324	1	0.0%
22.2%	2,323	2,323	0	0.0%
23.5%	2,322	2,323	1	0.0%
24.7%	2,322	2,323	1	0.0%
25.9%	2,321	2,322	1	0.1%
27.2%	2,320	2,319	0	0.0%
28.4%	2,319	2,319	0	0.0%
29.6%	2,316	2,318	2	0.1%
30.9%	2,316	2,318	2	0.1%
32.1%	2,315	2,316	1	0.0%
33.3%	2,314	2,315	1	0.0%
34.6%	2,314	2,314	0	0.0%
35.8%	2,314	2,313	0	0.0%
37.0%	2,309	2,313	4	0.2%
38.3%	2,309	2,313	4	0.2%
39.5%	2,309	2,311	3	0.1%
40.7%	2,308	2,310	2	0.1%
42.0%	2,304	2,305	1	0.0%
43.2%	2,302	2,304	2	0.1%
44.4%	2,301	2,302	1	0.1%
45.7%	2,301	2,301	1	0.0%
46.9%	2,300	2,299	-1	0.0%
48.1%	2,299	2,298	-1	-0.1%
49.4%	2,298	2,297	-1	-0.1%
50.6%	2,297	2,296	-1	-0.1%
51.9%	2,297	2,295	-2	-0.1%
53.1%	2,297	2,295	-2	-0.1%
54.3%	2,296	2,294	-2	-0.1%
55.6%	2,295	2,293	-2	-0.1%
56.8%	2,295	2,292	-3	-0.1%
58.0%	2,294	2,292	-2	-0.1%
59.3%	2,293	2,291	-2	-0.1%
60.5%	2,291	2,291	0	0.0%
61.7%	2,289	2,290	0	0.0%
63.0%	2,289	2,290	1	0.0%
64.2%	2,288	2,289	1	0.0%
65.4%	2,288	2,288	0	0.0%
66.7%	2,287	2,287	0	0.0%
67.9%	2,286	2,287	1	0.1%
69.1%	2,284	2,285	1	0.1%
70.4%	2,281	2,285	4	0.2%
71.6%	2,281	2,280	-2	-0.1%
72.8%	2,278	2,276	-2	-0.1%
74.1%	2,278	2,275	-3	-0.1%
75.3%	2,277	2,274	-3	-0.1%
76.5%	2,272	2,273	1	0.0%
77.8%	2,270	2,272	2	0.1%
79.0%	2,269	2,272	3	0.1%
80.2%	2,268	2,270	3	0.1%
81.5%	2,264	2,265	1	0.0%
82.7%	2,264	2,263	-1	0.0%
84.0%	2,264	2,256	-8	-0.3%
85.2%	2,264	2,255	-9	-0.4%
86.4%	2,262	2,255	-7	-0.3%
87.7%	2,252	2,251	-1	0.0%
88.9%	2,251	2,249	-2	-0.1%
90.1%	2,247	2,248	0	0.0%
91.4%	2,247	2,246	-1	-0.1%
92.6%	2,247	2,245	-2	-0.1%
93.8%	2,246	2,244	-3	-0.1%
95.1%	2,240	2,242	2	0.1%
96.3%	2,229	2,238	10	0.4%
97.5%	2,226	2,236	10	0.5%
98.8%	2,220	2,219	-1	0.0%
100.0%	2,138	2,153	15	0.7%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,343	2,343	0	0.0%
1.2%	2,343	2,343	0	0.0%
2.5%	2,343	2,339	-4	-0.2%
3.7%	2,334	2,328	-5	-0.2%
4.9%	2,328	2,323	-5	-0.2%
6.2%	2,327	2,323	-4	-0.2%
7.4%	2,325	2,323	-2	-0.1%
8.6%	2,323	2,320	-3	-0.1%
9.9%	2,323	2,320	-3	-0.1%
11.1%	2,322	2,318	-4	-0.2%
12.3%	2,320	2,318	-2	-0.1%
13.6%	2,320	2,318	-2	-0.1%
14.8%	2,316	2,317	1	0.1%
16.0%	2,315	2,317	2	0.1%
17.3%	2,314	2,316	2	0.1%
18.5%	2,313	2,313	0	0.0%
19.8%	2,313	2,311	-2	-0.1%
21.0%	2,312	2,311	-1	0.0%
22.2%	2,311	2,311	0	0.0%
23.5%	2,311	2,310	-1	-0.1%
24.7%	2,310	2,309	-1	0.0%
25.9%	2,308	2,309	0	0.0%
27.2%	2,307	2,308	1	0.0%
28.4%	2,306	2,307	1	0.1%
29.6%	2,305	2,307	2	0.1%
30.9%	2,304	2,306	2	0.1%
32.1%	2,302	2,306	4	0.2%
33.3%	2,302	2,303	1	0.0%
34.6%	2,300	2,301	2	0.1%
35.8%	2,300	2,301	2	0.1%
37.0%	2,297	2,300	2	0.1%
38.3%	2,297	2,299	3	0.1%
39.5%	2,297	2,296	0	0.0%
40.7%	2,296	2,296	0	0.0%
42.0%	2,295	2,294	-1	0.0%
43.2%	2,295	2,294	-1	0.0%
44.4%	2,295	2,293	-1	0.0%
45.7%	2,292	2,293	1	0.0%
46.9%	2,292	2,290	-2	-0.1%
48.1%	2,291	2,287	-4	-0.2%
49.4%	2,288	2,287	-1	0.0%
50.6%	2,288	2,286	-2	-0.1%
51.9%	2,287	2,285	-2	-0.1%
53.1%	2,286	2,284	-2	-0.1%
54.3%	2,285	2,284	-1	-0.1%
55.6%	2,285	2,284	-2	-0.1%
56.8%	2,284	2,282	-2	-0.1%
58.0%	2,284	2,282	-2	-0.1%
59.3%	2,283	2,281	-2	-0.1%
60.5%	2,280	2,280	1	0.0%
61.7%	2,279	2,278	-1	0.0%
63.0%	2,278	2,278	0	0.0%
64.2%	2,277	2,278	0	0.0%
65.4%	2,277	2,277	0	0.0%
66.7%	2,277	2,275	-1	0.0%
67.9%	2,275	2,274	-1	-0.1%
69.1%	2,273	2,273	0	0.0%
70.4%	2,270	2,269	-1	-0.1%
71.6%	2,270	2,267	-3	-0.1%
72.8%	2,267	2,267	0	0.0%
74.1%	2,267	2,266	-1	-0.1%
75.3%	2,264	2,264	1	0.0%
76.5%	2,264	2,264	1	0.0%
77.8%	2,258	2,264	7	0.3%
79.0%	2,257	2,255	-2	-0.1%
80.2%	2,256	2,255	-1	0.0%
81.5%	2,255	2,255	0	0.0%
82.7%	2,255	2,251	-4	-0.2%
84.0%	2,255	2,246	-9	-0.4%
85.2%	2,251	2,242	-9	-0.4%
86.4%	2,250	2,241	-9	-0.4%
87.7%	2,242	2,239	-3	-0.1%
88.9%	2,242	2,235	-7	-0.3%
90.1%	2,238	2,235	-3	-0.1%
91.4%	2,237	2,233	-4	-0.2%
92.6%	2,236	2,233	-4	-0.2%
93.8%	2,230	2,231	1	0.0%
95.1%	2,229	2,230	1	0.0%
96.3%	2,214	2,227	13	0.6%
97.5%	2,212	2,224	12	0.6%
98.8%	2,208	2,207	-1	0.0%
100.0%	2,148	2,161	12	0.6%

Figure SW-03-b
Trinity Lake, End of Month Area
Probability of Exceedance

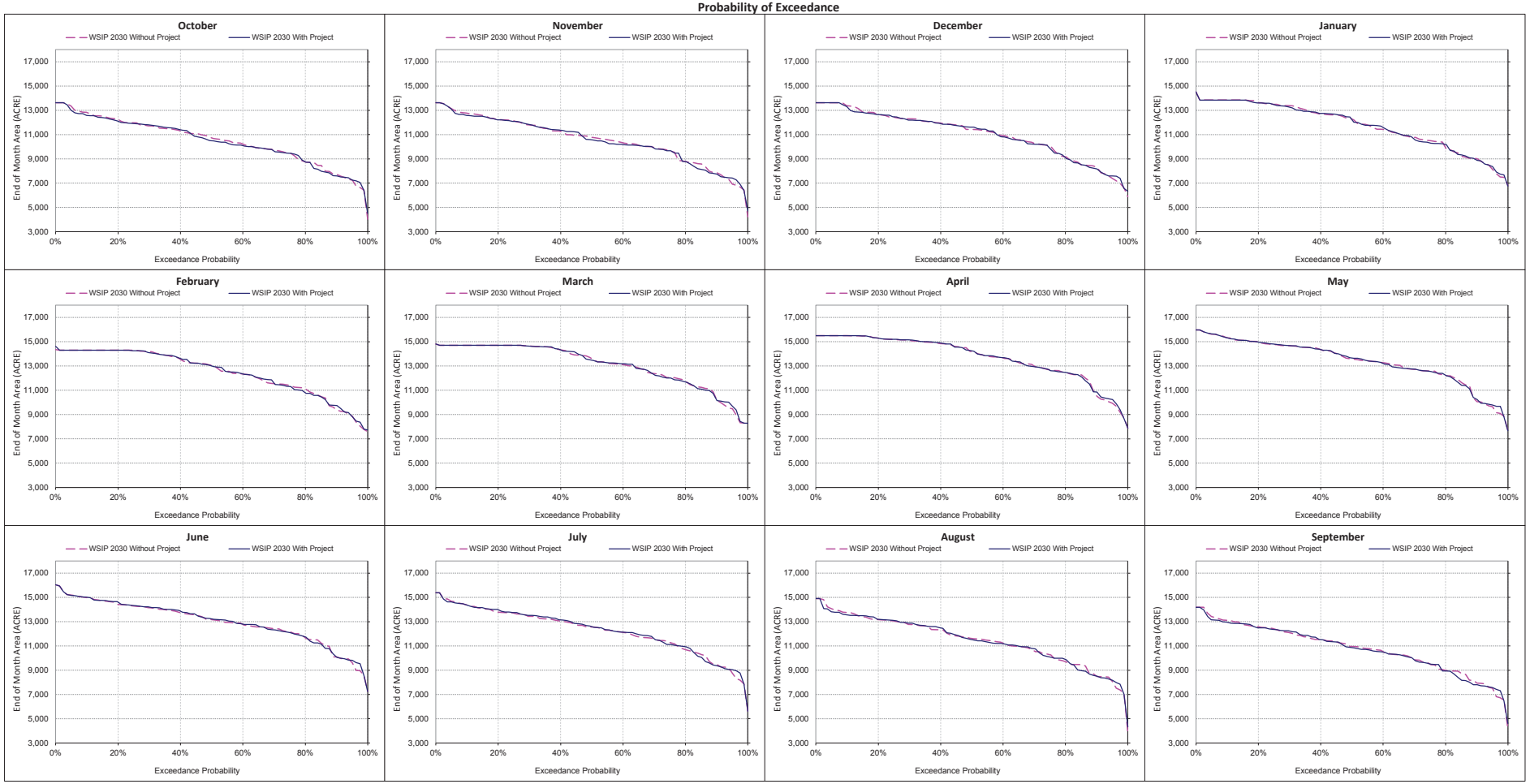


Table SW-03-b

Trinity Lake, End of Month Area

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,526	13,457	-69	-0.5%
4.9%	13,353	12,998	-354	-2.7%
6.2%	12,998	12,795	-203	-1.6%
7.4%	12,932	12,736	-196	-1.5%
8.6%	12,854	12,720	-135	-1.0%
9.9%	12,837	12,588	-249	-1.9%
11.1%	12,707	12,561	-145	-1.1%
12.3%	12,554	12,560	6	0.1%
13.6%	12,550	12,436	-114	-0.9%
14.8%	12,525	12,400	-125	-1.0%
16.0%	12,442	12,372	-69	-0.6%
17.3%	12,359	12,270	-89	-0.7%
18.5%	12,313	12,222	-91	-0.7%
19.8%	12,298	12,130	-167	-1.4%
21.0%	12,093	12,005	-88	-0.7%
22.2%	11,983	11,987	3	0.0%
23.5%	11,979	11,936	-43	-0.4%
24.7%	11,971	11,922	-49	-0.4%
25.9%	11,962	11,897	-64	-0.5%
27.2%	11,792	11,875	83	0.7%
28.4%	11,788	11,822	34	0.3%
29.6%	11,721	11,804	83	0.7%
30.9%	11,712	11,755	43	0.4%
32.1%	11,680	11,728	48	0.4%
33.3%	11,538	11,679	141	1.2%
34.6%	11,517	11,625	108	0.9%
35.8%	11,486	11,579	93	0.8%
37.0%	11,467	11,549	82	0.7%
38.3%	11,409	11,508	99	0.9%
39.5%	11,344	11,422	78	0.7%
40.7%	11,185	11,352	167	1.5%
42.0%	11,163	11,332	168	1.5%
43.2%	11,095	11,093	-2	0.0%
44.4%	11,071	10,860	-211	-1.9%
45.7%	11,061	10,801	-260	-2.3%
46.9%	10,976	10,742	-234	-2.1%
48.1%	10,916	10,636	-281	-2.6%
49.4%	10,778	10,499	-279	-2.6%
50.6%	10,672	10,489	-183	-1.7%
51.9%	10,634	10,425	-209	-2.0%
53.1%	10,600	10,383	-216	-2.0%
54.3%	10,508	10,370	-138	-1.3%
55.6%	10,475	10,235	-240	-2.3%
56.8%	10,345	10,151	-193	-1.9%
58.0%	10,323	10,147	-176	-1.7%
59.3%	10,300	10,145	-154	-1.5%
60.5%	10,162	10,045	-116	-1.1%
61.7%	10,071	10,008	-64	-0.6%
63.0%	10,015	10,001	-14	-0.1%
64.2%	9,930	9,922	-9	-0.1%
65.4%	9,855	9,910	55	0.6%
66.7%	9,835	9,850	16	0.2%
67.9%	9,821	9,788	-32	-0.3%
69.1%	9,782	9,780	-3	0.0%
70.4%	9,721	9,581	-141	-1.4%
71.6%	9,654	9,551	-103	-1.1%
72.8%	9,586	9,510	-76	-0.8%
74.1%	9,476	9,476	0	0.0%
75.3%	9,472	9,459	-13	-0.1%
76.5%	9,248	9,380	133	1.4%
77.8%	8,946	9,272	326	3.6%
79.0%	8,843	8,890	48	0.5%
80.2%	8,728	8,732	4	0.0%
81.5%	8,722	8,715	-7	-0.1%
82.7%	8,715	8,210	-505	-5.8%
84.0%	8,465	8,147	-318	-3.8%
85.2%	8,452	7,970	-482	-5.7%
86.4%	7,979	7,918	-61	-0.8%
87.7%	7,960	7,844	-116	-1.5%
88.9%	7,750	7,619	-131	-1.7%
90.1%	7,710	7,590	-121	-1.6%
91.4%	7,574	7,498	-76	-1.0%
92.6%	7,456	7,490	33	0.4%
93.8%	7,301	7,440	139	1.9%
95.1%	7,256	7,243	-13	-0.2%
96.3%	6,745	7,178	433	6.4%
97.5%	6,637	7,055	418	6.3%
98.8%	6,429	6,388	-41	-0.6%
100.0%	4,033	4,508	475	11.8%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,549	13,549	0	0.0%
3.7%	13,348	13,355	6	0.0%
4.9%	13,143	13,115	-28	-0.2%
6.2%	12,970	12,746	-224	-1.7%
7.4%	12,848	12,672	-176	-1.4%
8.6%	12,802	12,660	-143	-1.1%
9.9%	12,767	12,572	-195	-1.5%
11.1%	12,706	12,562	-144	-1.1%
12.3%	12,697	12,508	-189	-1.5%
13.6%	12,642	12,508	-135	-1.1%
14.8%	12,586	12,505	-81	-0.6%
16.0%	12,536	12,442	-94	-0.8%
17.3%	12,344	12,357	13	0.1%
18.5%	12,327	12,310	-17	-0.1%
19.8%	12,245	12,213	-32	-0.3%
21.0%	12,223	12,207	-16	-0.1%
22.2%	12,207	12,171	-36	-0.3%
23.5%	12,189	12,160	-29	-0.2%
24.7%	12,157	12,093	-64	-0.5%
25.9%	12,051	12,078	27	0.2%
27.2%	12,002	12,031	28	0.2%
28.4%	11,831	11,914	83	0.7%
29.6%	11,800	11,853	54	0.5%
30.9%	11,773	11,797	24	0.2%
32.1%	11,762	11,687	-75	-0.6%
33.3%	11,623	11,591	-32	-0.3%
34.6%	11,507	11,571	64	0.6%
35.8%	11,504	11,488	-16	-0.1%
37.0%	11,312	11,420	107	1.0%
38.3%	11,301	11,403	102	0.9%
39.5%	11,295	11,378	83	0.7%
40.7%	11,202	11,346	144	1.3%
42.0%	10,988	11,256	269	2.4%
43.2%	10,985	11,248	262	2.4%
44.4%	10,943	11,223	280	2.6%
45.7%	10,934	11,195	261	2.4%
46.9%	10,888	10,893	5	0.0%
48.1%	10,884	10,614	-270	-2.5%
49.4%	10,798	10,586	-212	-2.0%
50.6%	10,756	10,541	-214	-2.0%
51.9%	10,705	10,473	-232	-2.2%
53.1%	10,650	10,471	-179	-1.7%
54.3%	10,613	10,386	-227	-2.1%
55.6%	10,546	10,246	-300	-2.8%
56.8%	10,503	10,237	-266	-2.5%
58.0%	10,437	10,210	-227	-2.2%
59.3%	10,368	10,195	-172	-1.7%
60.5%	10,292	10,152	-140	-1.4%
61.7%	10,251	10,141	-110	-1.1%
63.0%	10,247	10,137	-110	-1.1%
64.2%	10,196	10,119	-77	-0.8%
65.4%	10,067	10,097	30	0.3%
66.7%	10,020	10,031	10	0.1%
67.9%	10,014	10,023	9	0.1%
69.1%	10,010	10,020	10	0.1%
70.4%	9,883	9,809	-74	-0.8%
71.6%	9,828	9,789	-39	-0.4%
72.8%	9,805	9,773	-32	-0.3%
74.1%	9,734	9,666	-68	-0.7%
75.3%	9,640	9,657	17	0.2%
76.5%	9,543	9,478	-65	-0.7%
77.8%	8,863	9,470	607	6.9%
79.0%	8,838	8,781	-56	-0.6%
80.2%	8,771	8,775	4	0.0%
81.5%	8,702	8,602	-99	-1.1%
82.7%	8,676	8,384	-291	-3.4%
84.0%	8,602	8,194	-408	-4.7%
85.2%	8,570	8,126	-444	-5.2%
86.4%	8,343	8,058	-285	-3.4%
87.7%	7,979	7,847	-131	-1.6%
88.9%	7,875	7,805	-70	-0.9%
90.1%	7,847	7,740	-107	-1.4%
91.4%	7,688	7,529	-159	-2.1%
92.6%	7,453	7,487	34	0.5%
93.8%	7,332	7,437	106	1.4%
95.1%	6,914	7,410	496	7.2%
96.3%	6,822	7,279	457	6.7%
97.5%	6,676	6,914	238	3.6%
98.8%	6,431	6,390	-41	-0.6%
100.0%	4,226	4,700	475	11.2%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,625	13,625	0	0.0%
7.4%	13,625	13,625	0	0.0%
8.6%	13,589	13,452	-138	-1.0%
9.9%	13,377	13,317	-60	-0.4%
11.1%	13,345	12,986	-359	-2.7%
12.3%	13,299	12,868	-431	-3.2%
13.6%	13,143	12,860	-283	-2.2%
14.8%	12,891	12,834	-56	-0.4%
16.0%	12,837	12,781	-55	-0.4%
17.3%	12,834	12,756	-78	-0.6%
18.5%	12,820	12,706	-115	-0.9%
19.8%	12,632	12,636	4	0.0%
21.0%	12,617	12,633	16	0.1%
22.2%	12,579	12,603	25	0.2%
23.5%	12,454	12,590	136	1.1%
24.7%	12,454	12,465	11	0.1%
25.9%	12,377	12,445	68	0.5%
27.2%	12,338	12,352	14	0.1%
28.4%	12,326	12,298	-28	-0.2%
29.6%	12,302	12,200	-103	-0.8%
30.9%	12,300	12,191	-109	-0.9%
32.1%	12,279	12,180	-99	-0.8%
33.3%	12,187	12,175	-12	-0.1%
34.6%	12,099	12,128	30	0.2%
35.8%	12,087	12,078	-10	-0.1%
37.0%	12,027	12,078	51	0.4%
38.3%	11,993	11,963	-30	-0.3%
39.5%	11,968	11,941	-27	-0.2%
40.7%	11,910	11,849	-60	-0.5%
42.0%	11,875	11,848	-27	-0.2%
43.2%	11,844	11,821	-23	-0.2%
44.4%	11,807	11,758	-49	-0.4%
45.7%	11,768	11,719	-49	-0.4%
46.9%	11,730	11,688	-42	-0.4%
48.1%	11,430	11,634	204	1.8%
49.4%	11,427	11,625	198	1.7%
50.6%	11,421	11,605	185	1.6%
51.9%	11,410	11,479	68	0.6%
53.1%	11,360	11,455	95	0.8%
54.3%	11,311	11,454	143	1.3%
55.6%	11,242	11,304	62	0.5%
56.8%	11,190	11,299	109	1.0%
58.0%	11,095	10,984	-110	-1.0%
59.3%	10,935	10,818	-118	-1.1%
60.5%	10,910	10,797	-113	-1.0%
61.7%	10,797	10,710	-87	-0.8%
63.0%	10,774	10,615	-160	-1.5%
64.2%	10,573	10,560	-13	-0.1%
65.4%	10,562	10,531	-31	-0.3%
66.7%	10,482	10,504	22	0.2%
67.9%	10,415	10,248	-166	-1.6%
69.1%	10,371	10,222	-149	-1.4%
70.4%	10,241	10,201	-40	-0.4%
71.6%	10,219	10,195	-23	-0.2%
72.8%	10,147	10,186	38	0.4%
74.1%	10,141	10,118	-24	-0.2%
75.3%	10,020	9,799	-221	-2.2%
76.5%	9,636	9,466	-170	-1.8%
77.8%	9,351	9,445	94	1.0%
79.0%	9,211	9,321	110	1.2%
80.2%	9,159	9,034	-125	-1.4%
81.5%	8,906	8,910	4	0.0%
82.7%	8,827	8,677	-150	-1.7%
84.0%	8,727	8,671	-56	-0.6%
85.2%	8,482	8,515	34	0.4%
86.4%	8,475	8,475	0	0.0%
87.7%	8,455	8,287	-168	-2.0%
88.9%	8,416	8,239	-177	-2.1%
90.1%	8,295	8,162	-133	-1.6%
91.4%	7,855	7,908	52	0.7%
92.6%	7,769	7,728	-42	-0.5%
93.8%	7,591	7,591	0	0.0%
95.1%	7,387	7,584	197	2.7%
96.3%	7,188	7,578	389	5.4%
97.5%	6,983	7,399	415	5.9%
98.8%	6,597	6,557	-41	-0.6%
100.0%	5,891	6,329	438	7.4%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,521	14,521	0	0.0%
1.2%	13,850	13,850	0	0.0%
2.5%	13,850	13,850	0	0.0%
3.7%	13,850	13,850	0	0.0%
4.9%	13,850	13,850	0	0.0%
6.2%	13,850	13,850	0	0.0%
7.4%	13,850	13,850	0	0.0%
8.6%	13,850	13,850	0	0.0%
9.9%	13,850	13,850	0	0.0%
11.1%	13,850	13,850	0	0.0%
12.3%	13,850	13,850	0	0.0%
13.6%	13,850	13,850	0	0.0%
14.8%	13,850	13,850	0	0.0%
16.0%	13,833	13,850	17	0.1%
17.3%	13,803	13,737	-66	-0.5%
18.5%	13,802	13,651	-151	-1.1%
19.8%	13,635	13,604	-30	-0.2%
21.0%	13,622	13,601	-21	-0.2%
22.2%	13,554	13,594	41	0.3%
23.5%	13,553	13,578	25	0.2%
24.7%	13,495	13,491	-4	0.0%
25.9%	13,492	13,398	-94	-0.7%
27.2%	13,397	13,377	-20	-0.2%
28.4%	13,391	13,353	-38	-0.3%
29.6%	13,387	13,293	-93	-0.7%
30.9%	13,373	13,192	-182	-1.4%
32.1%	13,301	13,025	-276	-2.1%
33.3%	13,170	13,008	-162	-1.2%
34.6%	13,086	12,921	-165	-1.3%
35.8%	12,983	12,918	-66	-0.5%
37.0%	12,842	12,873	31	0.2%
38.3%	12,791	12,857	67	0.5%
39.5%	12,704	12,759	55	0.4%
40.7%	12,702	12,749	47	0.4%
42.0%	12,649	12,722	73	0.6%
43.2%	12,630	12,715	85	0.7%
44.4%	12,620	12,675	55	0.4%
45.7%	12,613	12,631	18	0.1%
46.9%	12,509	12,603	94	0.8%
48.1%	12,360	12,481	120	1.0%
49.4%	12,355	12,454	100	0.8%
50.6%	12,208	12,032	-177	-1.4%
51.9%	11,902	11,996	94	0.8%
53.1%	11,858	11,846	-13	-0.1%
54.3%	11,841	11,773	-69	-0.6%
55.6%	11,742	11,769	27	0.2%
56.8%	11,578	11,755	177	1.5%
58.0%	11,447	11,754	307	2.7%
59.3%	11,442	11,707	264	2.3%
60.5%	11,412	11,507	95	0.8%
61.7%	11,326	11,329	3	0.0%
63.0%	11,188	11,241	54	0.5%
64.2%	11,145	11,144	0	0.0%
65.4%	11,025	11,047	22	0.2%
66.7%	10,919	10,933	14	0.1%
67.9%	10,852	10,920	68	0.6%
69.1%	10,769	10,812	44	0.4%
70.4%	10,766	10,540	-226	-2.1%
71.6%	10,621	10,433	-188	-1.8%
72.8%	10,572	10,399	-172	-1.6%
74.1%	10,527	10,374	-153	-1.5%
75.3%	10,495	10,282	-212	-2.0%
76.5%	10,439	10,274	-165	-1.6%
77.8%	10,418	10,269	-149	-1.4%
79.0%	10,379	10,251	-128	-1.2%
80.2%	9,815	10,189	374	3.8%
81.5%	9,771	9,679	-92	-0.9%
82.7%	9,577	9,649	73	0.8%
84.0%	9,492	9,370	-122	-1.3%
85.2%	9,205	9,318	113	1.2%
86.4%	9,146	9,238	93	1.0%
87.7%	9,048	9,089	42	0.5%
88.9%	9,044	9,044	0	0.0%
90.1%	9,016	8,883	-133	-1.5%
91.4%	8,800	8,839	39	0.4%
92.6%	8,642	8,584	-59	-0.7%
93.8%	8,496	8,496	0	0.0%
95.1%	8,132	8,369	237	2.9%
96.3%	7,779	7,922	143	1.8%
97.5%	7,507	7,737	230	3.1%
98.8%	7,474	7,672	197	2.6%
100.0%	6,801	6,761	-41	-0.6%

Table SW-03-b

Trinity Lake, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,350	14,613	264	1.8%
1.2%	14,300	14,300	0	0.0%
2.5%	14,300	14,300	0	0.0%
3.7%	14,300	14,300	0	0.0%
4.9%	14,300	14,300	0	0.0%
6.2%	14,300	14,300	0	0.0%
7.4%	14,300	14,300	0	0.0%
8.6%	14,300	14,300	0	0.0%
9.9%	14,300	14,300	0	0.0%
11.1%	14,300	14,300	0	0.0%
12.3%	14,300	14,300	0	0.0%
13.6%	14,300	14,300	0	0.0%
14.8%	14,300	14,300	0	0.0%
16.0%	14,300	14,300	0	0.0%
17.3%	14,300	14,300	0	0.0%
18.5%	14,300	14,300	0	0.0%
19.8%	14,300	14,300	0	0.0%
21.0%	14,300	14,300	0	0.0%
22.2%	14,300	14,300	0	0.0%
23.5%	14,300	14,298	-2	0.0%
24.7%	14,298	14,264	-34	-0.2%
25.9%	14,283	14,254	-28	-0.2%
27.2%	14,225	14,246	20	0.1%
28.4%	14,215	14,233	17	0.1%
29.6%	14,208	14,097	-110	-0.8%
30.9%	14,163	14,061	-102	-0.7%
32.1%	14,051	14,029	-21	-0.2%
33.3%	13,980	13,946	-33	-0.2%
34.6%	13,903	13,914	11	0.1%
35.8%	13,882	13,878	-4	0.0%
37.0%	13,779	13,874	95	0.7%
38.3%	13,777	13,780	3	0.0%
39.5%	13,629	13,660	32	0.2%
40.7%	13,426	13,559	133	1.0%
42.0%	13,297	13,543	246	1.9%
43.2%	13,255	13,256	1	0.0%
44.4%	13,234	13,228	-7	0.0%
45.7%	13,225	13,225	-1	0.0%
46.9%	13,209	13,150	-59	-0.4%
48.1%	13,168	13,112	-56	-0.4%
49.4%	13,072	13,056	-17	-0.1%
50.6%	13,017	12,947	-70	-0.5%
51.9%	12,804	12,901	97	0.8%
53.1%	12,573	12,891	318	2.5%
54.3%	12,572	12,556	-16	-0.1%
55.6%	12,557	12,503	-55	-0.4%
56.8%	12,393	12,495	102	0.8%
58.0%	12,375	12,478	103	0.8%
59.3%	12,358	12,384	26	0.2%
60.5%	12,318	12,302	-16	-0.1%
61.7%	12,286	12,286	-1	0.0%
63.0%	12,209	12,249	40	0.3%
64.2%	12,068	12,083	14	0.1%
65.4%	11,942	12,019	77	0.6%
66.7%	11,767	11,923	156	1.3%
67.9%	11,608	11,879	271	2.3%
69.1%	11,561	11,865	304	2.6%
70.4%	11,539	11,484	-55	-0.5%
71.6%	11,516	11,449	-68	-0.6%
72.8%	11,495	11,402	-92	-0.8%
74.1%	11,449	11,316	-133	-1.2%
75.3%	11,380	11,294	-86	-0.8%
76.5%	11,250	11,055	-195	-1.7%
77.8%	11,231	11,020	-211	-1.9%
79.0%	11,206	10,974	-233	-2.1%
80.2%	11,083	10,746	-337	-3.0%
81.5%	10,860	10,743	-116	-1.1%
82.7%	10,737	10,570	-166	-1.5%
84.0%	10,616	10,570	-46	-0.4%
85.2%	10,468	10,446	-22	-0.2%
86.4%	10,359	10,239	-120	-1.2%
87.7%	9,727	9,792	65	0.7%
88.9%	9,608	9,758	150	1.6%
90.1%	9,379	9,736	357	3.8%
91.4%	9,266	9,485	219	2.4%
92.6%	9,239	9,210	-29	-0.3%
93.8%	9,018	9,162	144	1.6%
95.1%	8,867	8,827	-40	-0.4%
96.3%	8,376	8,459	83	1.0%
97.5%	8,051	8,376	325	4.0%
98.8%	7,775	7,788	13	0.2%
100.0%	7,590	7,733	143	1.9%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,806	14,806	0	0.0%
1.2%	14,700	14,700	0	0.0%
2.5%	14,700	14,700	0	0.0%
3.7%	14,700	14,700	0	0.0%
4.9%	14,700	14,700	0	0.0%
6.2%	14,700	14,700	0	0.0%
7.4%	14,700	14,700	0	0.0%
8.6%	14,700	14,700	0	0.0%
9.9%	14,700	14,700	0	0.0%
11.1%	14,700	14,700	0	0.0%
12.3%	14,700	14,700	0	0.0%
13.6%	14,700	14,700	0	0.0%
14.8%	14,700	14,700	0	0.0%
16.0%	14,700	14,700	0	0.0%
17.3%	14,700	14,700	0	0.0%
18.5%	14,700	14,700	0	0.0%
19.8%	14,700	14,700	0	0.0%
21.0%	14,700	14,700	0	0.0%
22.2%	14,700	14,700	0	0.0%
23.5%	14,700	14,700	0	0.0%
24.7%	14,700	14,700	0	0.0%
25.9%	14,700	14,700	0	0.0%
27.2%	14,700	14,700	0	0.0%
28.4%	14,672	14,672	0	0.0%
29.6%	14,668	14,640	-28	-0.2%
30.9%	14,624	14,618	-7	0.0%
32.1%	14,611	14,597	-14	-0.1%
33.3%	14,602	14,593	-10	-0.1%
34.6%	14,597	14,582	-16	-0.1%
35.8%	14,570	14,580	10	0.1%
37.0%	14,522	14,566	44	0.3%
38.3%	14,424	14,421	-3	0.0%
39.5%	14,351	14,375	24	0.2%
40.7%	14,293	14,228	-65	-0.5%
42.0%	14,247	14,223	-24	-0.2%
43.2%	13,994	14,197	203	1.4%
44.4%	13,909	14,178	269	1.9%
45.7%	13,889	13,977	89	0.6%
46.9%	13,865	13,877	12	0.1%
48.1%	13,831	13,571	-259	-1.9%
49.4%	13,697	13,515	-182	-1.3%
50.6%	13,499	13,439	-60	-0.4%
51.9%	13,340	13,337	-3	0.0%
53.1%	13,331	13,329	-2	0.0%
54.3%	13,329	13,288	-42	-0.3%
55.6%	13,210	13,259	49	0.4%
56.8%	13,191	13,242	51	0.4%
58.0%	13,162	13,237	75	0.6%
59.3%	13,127	13,184	57	0.4%
60.5%	13,095	13,175	80	0.6%
61.7%	13,022	13,146	124	1.0%
63.0%	13,020	13,140	119	0.9%
64.2%	12,913	12,807	-106	-0.8%
65.4%	12,795	12,750	-45	-0.4%
66.7%	12,695	12,729	34	0.3%
67.9%	12,469	12,635	166	1.3%
69.1%	12,399	12,413	14	0.1%
70.4%	12,360	12,216	-144	-1.2%
71.6%	12,354	12,175	-178	-1.4%
72.8%	12,233	12,075	-158	-1.3%
74.1%	12,046	12,016	-30	-0.2%
75.3%	12,044	12,012	-31	-0.3%
76.5%	12,038	11,850	-188	-1.6%
77.8%	11,950	11,848	-102	-0.9%
79.0%	11,877	11,759	-117	-1.0%
80.2%	11,718	11,668	-51	-0.4%
81.5%	11,468	11,536	68	0.6%
82.7%	11,356	11,363	6	0.1%
84.0%	11,279	11,125	-154	-1.4%
85.2%	11,237	11,094	-143	-1.3%
86.4%	11,148	10,993	-155	-1.4%
87.7%	11,133	10,984	-149	-1.3%
88.9%	10,866	10,749	-116	-1.1%
90.1%	10,164	10,148	-16	-0.2%
91.4%	9,978	10,114	136	1.4%
92.6%	9,754	10,041	286	2.9%
93.8%	9,550	10,009	459	4.8%
95.1%	9,473	9,702	229	2.4%
96.3%	8,964	9,371	407	4.5%
97.5%	8,324	8,436	112	1.3%
98.8%	8,293	8,293	0	0.0%
100.0%	8,242	8,283	41	0.5%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,500	15,500	0	0.0%
1.2%	15,500	15,500	0	0.0%
2.5%	15,500	15,500	0	0.0%
3.7%	15,500	15,500	0	0.0%
4.9%	15,500	15,500	0	0.0%
6.2%	15,500	15,500	0	0.0%
7.4%	15,500	15,500	0	0.0%
8.6%	15,500	15,500	0	0.0%
9.9%	15,500	15,500	0	0.0%
11.1%	15,488	15,500	12	0.1%
12.3%	15,480	15,500	20	0.1%
13.6%	15,478	15,488	9	0.1%
14.8%	15,475	15,480	5	0.0%
16.0%	15,472	15,478	6	0.0%
17.3%	15,428	15,413	-16	-0.1%
18.5%	15,334	15,334	0	0.0%
19.8%	15,300	15,300	0	0.0%
21.0%	15,240	15,240	0	0.0%
22.2%	15,211	15,211	0	0.0%
23.5%	15,209	15,196	-13	-0.1%
24.7%	15,192	15,192	0	0.0%
25.9%	15,164	15,188	24	0.2%
27.2%	15,157	15,157	0	0.0%
28.4%	15,151	15,151	0	0.0%
29.6%	15,134	15,151	16	0.1%
30.9%	15,064	15,134	70	0.5%
32.1%	15,064	15,080	16	0.1%
33.3%	15,025	15,025	0	0.0%
34.6%	14,975	15,010	35	0.2%
35.8%	14,959	15,000	41	0.3%
37.0%	14,946	14,975	29	0.2%
38.3%	14,940	14,942	3	0.0%
39.5%	14,856	14,913	57	0.4%
40.7%	14,831	14,856	25	0.2%
42.0%	14,811	14,821	10	0.1%
43.2%	14,745	14,817	72	0.5%
44.4%	14,608	14,547	-61	-0.4%
45.7%	14,578	14,546	-32	-0.2%
46.9%	14,505	14,503	-2	0.0%
48.1%	14,503	14,324	-179	-1.2%
49.4%	14,204	14,279	75	0.5%
50.6%	14,165	14,204	39	0.3%
51.9%	14,008	13,973	-35	-0.3%
53.1%	13,925	13,941	16	0.1%
54.3%	13,838	13,855	17	0.1%
55.6%	13,784	13,844	61	0.4%
56.8%	13,748	13,836	88	0.6%
58.0%	13,741	13,739	-2	0.0%
59.3%	13,732	13,703	-30	-0.2%
60.5%	13,621	13,674	53	0.4%
61.7%	13,608	13,614	6	0.0%
63.0%	13,497	13,394	-103	-0.8%
64.2%	13,379	13,366	-14	-0.1%
65.4%	13,229	13,333	104	0.8%
66.7%	13,205	13,114	-90	-0.7%
67.9%	13,170	13,013	-156	-1.2%
69.1%	13,135	12,979	-156	-1.2%
70.4%	12,925	12,937	11	0.1%
71.6%	12,875	12,880	5	0.0%
72.8%	12,828	12,798	-30	-0.2%
74.1%	12,709	12,767	58	0.5%
75.3%	12,699	12,606	-93	-0.7%
76.5%	12,625	12,587	-38	-0.3%
77.8%	12,618	12,513	-105	-0.8%
79.0%	12,490	12,510	20	0.2%
80.2%	12,457	12,461	4	0.0%
81.5%	12,349	12,386	36	0.3%
82.7%	12,289	12,303	14	0.1%
84.0%	12,282	12,284	2	0.0%
85.2%	12,265	12,085	-181	-1.5%
86.4%	11,992	11,776	-217	-1.8%
87.7%	11,769	11,509	-260	-2.2%
88.9%	10,986	10,869	-116	-1.1%
90.1%	10,494	10,860	366	3.5%
91.4%	10,271	10,437	167	1.6%
92.6%	10,203	10,371	169	1.7%
93.8%	10,060	10,302	241	2.4%
95.1%	9,926	10,244	318	3.2%
96.3%	9,681	9,874	192	2.0%
97.5%	9,192	9,407	214	2.3%
98.8%	8,712	8,672	-41	-0.5%
100.0%	7,872	7,872	0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,974	15,974	0	0.0%
1.2%	15,971	15,971	0	0.0%
2.5%	15,809	15,809	0	0.0%
3.7%	15,711	15,711	0	0.0%
4.9%	15,617	15,638	21	0.1%
6.2%	15,613	15,617	4	0.0%
7.4%	15,508	15,508	0	0.0%
8.6%	15,461	15,401	-60	-0.4%
9.9%	15,323	15,323	0	0.0%
11.1%	15,294	15,236	-58	-0.4%
12.3%	15,156	15,228	72	0.5%
13.6%	15,125	15,125	0	0.0%
14.8%	15,119	15,119	0	0.0%
16.0%	15,110	15,110	0	0.0%
17.3%	15,035	15,025	-11	-0.1%
18.5%	15,025	15,017	-7	0.0%
19.8%	15,017	14,973	-44	-0.3%
21.0%	14,887	14,928	41	0.3%
22.2%	14,834	14,887	52	0.4%
23.5%	14,807	14,834	27	0.2%
24.7%	14,760	14,807	47	0.3%
25.9%	14,755	14,760	5	0.0%
27.2%	14,696	14,755	59	0.4%
28.4%	14,673	14,696	23	0.2%
29.6%	14,673	14,689	16	0.1%
30.9%	14,656	14,659	4	0.0%
32.1%	14,632	14,656	24	0.2%
33.3%	14,560	14,564	4	0.0%
34.6%	14,540	14,560	20	0.1%
35.8%	14,528	14,523	-5	0.0%
37.0%	14,526	14,496	-30	-0.2%
38.3%	14,496	14,398	-98	-0.7%
39.5%	14,388	14,378	-10	-0.1%
40.7%	14,279	14,296	17	0.1%
42.0%	14,276	14,293	17	0.1%
43.2%	14,217	14,262	45	0.3%
44.4%	14,067	14,035	-31	-0.2%
45.7%	13,989	13,998	9	0.1%
46.9%	13,797	13,864	67	0.5%
48.1%	13,644	13,797	153	1.1%
49.4%	13,594	13,671	78	0.6%
50.6%	13,565	13,644	79	0.6%
51.9%	13,511	13,625	114	0.8%
53.1%	13,458	13,581	123	0.9%
54.3%	13,453	13,458	5	0.0%
55.6%	13,418	13,409	-9	-0.1%
56.8%	13,366	13,388	23	0.2%
58.0%	13,359	13,352	-8	-0.1%
59.3%	13,296	13,287	-9	-0.1%
60.5%	13,254	13,140	-115	-0.9%
61.7%	13,197	13,132	-65	-0.5%
63.0%	13,105	12,924	-181	-1.4%
64.2%	13,072	12,892	-180	-1.4%
65.4%	13,047	12,849	-198	-1.5%
66.7%	12,824	12,810	-14	-0.1%
67.9%	12,773	12,775	2	0.0%
69.1%	12,732	12,753	21	0.2%
70.4%	12,715	12,727	12	0.1%
71.6%	12,634	12,645	11	0.1%
72.8%	12,604	12,601	-3	0.0%
74.1%	12,595	12,591	-5	0.0%
75.3%	12,582	12,551	-30	-0.2%
76.5%	12,572	12,454	-118	-0.9%
77.8%	12,341	12,398	57	0.5%
79.0%	12,281	12,396	114	0.9%
80.2%	12,192	12,202	9	0.1%
81.5%	12,186	12,113	-73	-0.6%
82.7%	12,031	11,905	-125	-1.0%
84.0%	11,887	11,657	-230	-1.9%
85.2%	11,621	11,412	-209	-1.8%
86.4%	11,441	11,396	-44	-0.4%
87.7%	11,390	11,139	-251	-2.2%
88.9%	10,358	10,410	52	0.5%
90.1%	10,057	10,231	174	1.7%
91.4%	10,034	9,935	-99	-1.0%
92.6%	9,889	9,920	31	0.3%
93.8%	9,719	9,841	121	1.2%
95.1%	9,642	9,790	149	1.5%
96.3%	9,160	9,672	512	5.6%
97.5%	9,089	9,668	579	6.4%
98.8%	8,843	8,803	-41	-0.5%
100.0%	7,672	7,672	0	0.0%

Table SW-03-b

Trinity Lake, End of Month Area

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	16,033	16,033	0	0.0%
1.2%	15,954	15,946	-8	0.0%
2.5%	15,469	15,469	0	0.0%
3.7%	15,230	15,233	3	0.0%
4.9%	15,199	15,175	-24	-0.2%
6.2%	15,150	15,139	-11	-0.1%
7.4%	15,072	15,072	0	0.0%
8.6%	15,029	15,029	0	0.0%
9.9%	14,986	15,011	26	0.2%
11.1%	14,979	14,979	0	0.0%
12.3%	14,824	14,790	-34	-0.2%
13.6%	14,790	14,766	-23	-0.2%
14.8%	14,719	14,762	44	0.3%
16.0%	14,695	14,734	39	0.3%
17.3%	14,653	14,670	17	0.1%
18.5%	14,614	14,653	39	0.3%
19.8%	14,428	14,649	221	1.5%
21.0%	14,395	14,428	33	0.2%
22.2%	14,389	14,389	0	0.0%
23.5%	14,334	14,378	44	0.3%
24.7%	14,301	14,334	32	0.2%
25.9%	14,264	14,301	37	0.3%
27.2%	14,254	14,264	10	0.1%
28.4%	14,226	14,226	0	0.0%
29.6%	14,154	14,221	67	0.5%
30.9%	14,132	14,170	37	0.3%
32.1%	14,104	14,154	51	0.4%
33.3%	14,016	14,143	127	0.9%
34.6%	14,005	14,032	27	0.2%
35.8%	13,950	14,016	67	0.5%
37.0%	13,921	14,005	83	0.6%
38.3%	13,866	13,976	110	0.8%
39.5%	13,769	13,921	152	1.1%
40.7%	13,696	13,774	79	0.6%
42.0%	13,646	13,753	107	0.8%
43.2%	13,607	13,653	46	0.3%
44.4%	13,573	13,637	65	0.5%
45.7%	13,498	13,463	-35	-0.3%
46.9%	13,404	13,373	-32	-0.2%
48.1%	13,213	13,272	59	0.4%
49.4%	13,189	13,259	71	0.5%
50.6%	13,143	13,205	61	0.5%
51.9%	13,109	13,167	58	0.4%
53.1%	13,047	13,159	112	0.9%
54.3%	12,945	13,128	183	1.4%
55.6%	12,937	13,047	110	0.9%
56.8%	12,900	13,035	135	1.0%
58.0%	12,898	12,861	-36	-0.3%
59.3%	12,874	12,840	-34	-0.3%
60.5%	12,707	12,776	68	0.5%
61.7%	12,683	12,774	92	0.7%
63.0%	12,617	12,766	149	1.2%
64.2%	12,571	12,738	168	1.3%
65.4%	12,562	12,576	14	0.1%
66.7%	12,526	12,549	23	0.2%
67.9%	12,496	12,381	-115	-0.9%
69.1%	12,447	12,332	-114	-0.9%
70.4%	12,413	12,312	-101	-0.8%
71.6%	12,397	12,255	-142	-1.1%
72.8%	12,248	12,190	-59	-0.5%
74.1%	12,179	12,152	-27	-0.2%
75.3%	12,149	12,081	-68	-0.6%
76.5%	12,017	11,966	-52	-0.4%
77.8%	12,005	11,918	-87	-0.7%
79.0%	11,876	11,824	-52	-0.4%
80.2%	11,618	11,729	111	1.0%
81.5%	11,518	11,395	-123	-1.1%
82.7%	11,508	11,254	-255	-2.2%
84.0%	11,493	11,251	-242	-2.1%
85.2%	11,212	11,136	-76	-0.7%
86.4%	11,043	10,802	-241	-2.2%
87.7%	10,970	10,774	-196	-1.8%
88.9%	10,098	10,353	255	2.5%
90.1%	10,097	10,059	-38	-0.4%
91.4%	9,969	9,982	13	0.1%
92.6%	9,935	9,953	18	0.2%
93.8%	9,922	9,843	-79	-0.8%
95.1%	9,608	9,813	205	2.1%
96.3%	8,980	9,620	640	7.1%
97.5%	8,957	9,547	590	6.6%
98.8%	8,591	8,551	-41	-0.5%
100.0%	7,252	7,252	0	0.0%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,380	15,380	0	0.0%
1.2%	15,380	15,380	0	0.0%
2.5%	14,880	14,870	-10	-0.1%
3.7%	14,870	14,637	-233	-1.6%
4.9%	14,686	14,627	-59	-0.4%
6.2%	14,634	14,555	-79	-0.5%
7.4%	14,530	14,511	-19	-0.1%
8.6%	14,471	14,471	0	0.0%
9.9%	14,379	14,379	0	0.0%
11.1%	14,258	14,258	0	0.0%
12.3%	14,252	14,182	-69	-0.5%
13.6%	14,140	14,166	26	0.2%
14.8%	14,086	14,158	72	0.5%
16.0%	14,037	14,066	29	0.2%
17.3%	14,028	14,028	0	0.0%
18.5%	13,850	14,014	164	1.2%
19.8%	13,793	14,011	218	1.6%
21.0%	13,763	13,850	88	0.6%
22.2%	13,750	13,793	43	0.3%
23.5%	13,729	13,791	63	0.5%
24.7%	13,722	13,762	40	0.3%
25.9%	13,635	13,750	115	0.8%
27.2%	13,624	13,624	0	0.0%
28.4%	13,602	13,551	-51	-0.4%
29.6%	13,442	13,513	71	0.5%
30.9%	13,437	13,511	74	0.5%
32.1%	13,429	13,495	67	0.5%
33.3%	13,264	13,436	172	1.3%
34.6%	13,237	13,387	149	1.1%
35.8%	13,223	13,385	162	1.2%
37.0%	13,198	13,299	101	0.8%
38.3%	13,124	13,279	155	1.2%
39.5%	13,064	13,159	95	0.7%
40.7%	13,024	13,124	99	0.8%
42.0%	12,970	13,088	118	0.9%
43.2%	12,911	13,011	100	0.8%
44.4%	12,810	12,855	46	0.4%
45.7%	12,702	12,834	132	1.0%
46.9%	12,695	12,784	89	0.7%
48.1%	12,574	12,673	99	0.8%
49.4%	12,565	12,650	85	0.7%
50.6%	12,557	12,543	-14	-0.1%
51.9%	12,516	12,509	-7	-0.1%
53.1%	12,434	12,491	57	0.5%
54.3%	12,304	12,349	46	0.4%
55.6%	12,293	12,313	19	0.2%
56.8%	12,254	12,230	-24	-0.2%
58.0%	12,190	12,173	-17	-0.1%
59.3%	12,156	12,157	1	0.0%
60.5%	12,097	12,125	28	0.2%
61.7%	12,061	12,102	41	0.3%
63.0%	11,915	12,097	183	1.5%
64.2%	11,796	11,990	194	1.6%
65.4%	11,727	11,919	192	1.6%
66.7%	11,690	11,868	178	1.5%
67.9%	11,672	11,849	177	1.5%
69.1%	11,642	11,792	150	1.3%
70.4%	11,525	11,498	-27	-0.2%
71.6%	11,447	11,455	8	0.1%
72.8%	11,445	11,322	-123	-1.1%
74.1%	11,396	11,125	-271	-2.4%
75.3%	11,259	11,112	-148	-1.3%
76.5%	11,166	11,066	-100	-0.9%
77.8%	10,925	11,021	96	0.9%
79.0%	10,781	10,961	180	1.7%
80.2%	10,677	10,927	250	2.3%
81.5%	10,591	10,798	207	2.0%
82.7%	10,485	10,463	-22	-0.2%
84.0%	10,403	10,146	-257	-2.5%
85.2%	10,287	10,050	-237	-2.3%
86.4%	10,198	9,718	-480	-4.7%
87.7%	9,718	9,597	-120	-1.2%
88.9%	9,496	9,435	-60	-0.6%
90.1%	9,474	9,369	-105	-1.1%
91.4%	9,261	9,281	20	0.2%
92.6%	9,248	9,131	-117	-1.3%
93.8%	9,207	9,072	-136	-1.5%
95.1%	8,749	9,048	299	3.4%
96.3%	8,304	8,958	654	7.9%
97.5%	8,173	8,771	597	7.3%
98.8%	7,877	7,835	-41	-0.5%
100.0%	5,628	5,628	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,900	14,900	0	0.0%
1.2%	14,900	14,900	0	0.0%
2.5%	14,816	14,070	-747	-5.0%
3.7%	14,220	14,054	-167	-1.2%
4.9%	14,070	13,809	-261	-1.9%
6.2%	13,949	13,784	-165	-1.2%
7.4%	13,909	13,766	-143	-1.0%
8.6%	13,781	13,603	-177	-1.3%
9.9%	13,754	13,564	-191	-1.4%
11.1%	13,738	13,512	-226	-1.6%
12.3%	13,633	13,509	-124	-0.9%
13.6%	13,487	13,493	7	0.0%
14.8%	13,413	13,487	73	0.5%
16.0%	13,371	13,466	95	0.7%
17.3%	13,247	13,409	162	1.2%
18.5%	13,182	13,380	198	1.5%
19.8%	13,174	13,190	16	0.1%
21.0%	13,145	13,174	29	0.2%
22.2%	13,135	13,145	11	0.1%
23.5%	13,084	13,134	50	0.4%
24.7%	13,074	13,119	45	0.3%
25.9%	13,011	13,074	63	0.5%
27.2%	12,954	12,946	-8	-0.1%
28.4%	12,930	12,944	14	0.1%
29.6%	12,770	12,875	104	0.8%
30.9%	12,765	12,865	100	0.8%
32.1%	12,730	12,763	32	0.3%
33.3%	12,668	12,699	30	0.2%
34.6%	12,661	12,676	15	0.1%
35.8%	12,635	12,628	-7	-0.1%
37.0%	12,351	12,596	245	2.0%
38.3%	12,344	12,589	245	2.0%
39.5%	12,336	12,509	174	1.4%
40.7%	12,314	12,446	132	1.1%
42.0%	12,047	12,085	38	0.3%
43.2%	11,895	12,044	149	1.3%
44.4%	11,848	11,931	83	0.7%
45.7%	11,804	11,842	38	0.3%
46.9%	11,754	11,697	-57	-0.5%
48.1%	11,724	11,639	-86	-0.7%
49.4%	11,633	11,542	-91	-0.8%
50.6%	11,589	11,495	-94	-0.8%
51.9%	11,569	11,430	-139	-1.2%
53.1%	11,554	11,423	-131	-1.1%
54.3%	11,486	11,346	-140	-1.2%
55.6%	11,450	11,302	-148	-1.3%
56.8%	11,403	11,226	-177	-1.5%
58.0%	11,341	11,211	-130	-1.1%
59.3%	11,309	11,195	-114	-1.0%
60.5%	11,163	11,168	5	0.0%
61.7%	11,048	11,076	29	0.3%
63.0%	11,002	11,074	72	0.7%
64.2%	10,978	11,039	60	0.5%
65.4%	10,945	10,947	2	0.0%
66.7%	10,908	10,931	23	0.2%
67.9%	10,845	10,927	83	0.8%
69.1%	10,711	10,799	88	0.8%
70.4%	10,528	10,753	225	2.1%
71.6%	10,526	10,428	-98	-0.9%
72.8%	10,349	10,222	-128	-1.2%
74.1%	10,336	10,137	-199	-1.9%
75.3%	10,263	10,069	-193	-1.9%
76.5%	9,946	9,994	48	0.5%
77.8%	9,855	9,986	131	1.3%
79.0%	9,791	9,985	194	2.0%
80.2%	9,679	9,864	185	1.9%
81.5%	9,473	9,535	62	0.7%
82.7%	9,470	9,421	-50	-0.5%
84.0%	9,468	9,017	-451	-4.8%
85.2%	9,465	8,959	-506	-5.3%
86.4%	9,351	8,925	-426	-4.6%
87.7%	8,731	8,689	-41	-0.5%
88.9%	8,711	8,578	-134	-1.5%
90.1%	8,480	8,500	20	0.2%
91.4%	8,467	8,387	-80	-0.9%
92.6%	8,458	8,350	-108	-1.3%
93.8%	8,432	8,267	-165	-2.0%
95.1%	8,072	8,173	101	1.3%
96.3%	7,515	7,975	461	6.1%
97.5%	7,371	7,856	485	6.6%
98.8%	7,082	7,041	-41	-0.6%
100.0%	3,818	4,328	510	13.4%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,188	14,188	0	0.0%
1.2%	14,188	14,188	0	0.0%
2.5%	14,188	13,960	-228	-1.6%
3.7%	13,703	13,422	-281	-2.1%
4.9%	13,422	13,159	-263	-2.0%
6.2%	13,336	13,136	-201	-1.5%
7.4%	13,235	13,119	-117	-0.9%
8.6%	13,132	12,992	-140	-1.1%
9.9%	13,111	12,959	-152	-1.2%
11.1%	13,091	12,865	-226	-1.7%
12.3%	12,985	12,863	-122	-0.9%
13.6%	12,976	12,854	-122	-0.9%
14.8%	12,774	12,842	68	0.5%
16.0%	12,725	12,818	93	0.7%
17.3%	12,668	12,766	98	0.8%
18.5%	12,619	12,594	-24	-0.2%
19.8%	12,595	12,500	-95	-0.8%
21.0%	12,528	12,485	-43	-0.3%
22.2%	12,500	12,481	-20	-0.2%
23.5%	12,485	12,406	-79	-0.6%
24.7%	12,428	12,368	-60	-0.5%
25.9%	12,330	12,347	17	0.1%
27.2%	12,220	12,274	54	0.4%
28.4%	12,156	12,256	100	0.8%
29.6%	12,112	12,253	141	1.2%
30.9%	12,034	12,164	131	1.1%
32.1%	11,898	12,156	258	2.2%
33.3%	11,868	11,938	69	0.6%
34.6%	11,757	11,862	105	0.9%
35.8%	11,740	11,862	122	1.0%
37.0%	11,599	11,749	150	1.3%
38.3%	11,539	11,718	179	1.6%
39.5%	11,534	11,527	-6	-0.1%
40.7%	11,514	11,498	-16	-0.1%
42.0%	11,423	11,373	-50	-0.4%
43.2%	11,418	11,360	-58	-0.5%
44.4%	11,403	11,327	-76	-0.7%
45.7%	11,265	11,303	38	0.3%
46.9%	11,215	11,095	-120	-1.1%
48.1%	11,163	10,920	-243	-2.2%
49.4%	10,959	10,884	-74	-0.7%
50.6%	10,950	10,840	-110	-1.0%
51.9%	10,930	10,786	-144	-1.3%
53.1%	10,849	10,714	-134	-1.2%
54.3%	10,796	10,709	-87	-0.8%
55.6%	10,772	10,673	-99	-0.9%
56.8%	10,717	10,586	-131	-1.2%
58.0%	10,676	10,552	-123	-1.2%
59.3%	10,638	10,521	-117	-1.1%
60.5%	10,440	10,482	42	0.4%
61.7%	10,393	10,335	-58	-0.6%
63.0%	10,308	10,323	16	0.2%
64.2%	10,283	10,314	30	0.3%
65.4%	10,255	10,261	6	0.1%
66.7%	10,240	10,173	-67	-0.7%
67.9%	10,172	10,097	-75	-0.7%
69.1%	10,014	10,020	6	0.1%
70.4%	9,841	9,761	-80	-0.8%
71.6%	9,830	9,654	-176	-1.8%
72.8%	9,656	9,649	-7	-0.1%
74.1%	9,650	9,575	-75	-0.8%
75.3%	9,451	9,485	34	0.4%
76.5%	9,440	9,478	38	0.4%
77.8%	9,084	9,474	389	4.3%
79.0%	9,052	8,933	-118	-1.3%
80.2%	8,964	8,933	-30	-0.3%
81.5%	8,933	8,907	-26	-0.3%
82.7%	8,930	8,682	-248	-2.8%
84.0%	8,928	8,415	-513	-5.7%
85.2%	8,724	8,171	-553	-6.3%
86.4%	8,653	8,137	-517	-6.0%
87.7%	8,178	8,027	-151	-1.8%
88.9%	8,161	7,803	-357	-4.4%
90.1%	7,935	7,802	-132	-1.7%
91.4%	7,920	7,717	-204	-2.6%
92.6%	7,875	7,700	-175	-2.2%
93.8%	7,585	7,635	50	0.7%
95.1%	7,519	7,567	48	0.6%
96.3%	6,821	7,424	603	8.8%
97.5%	6,727	7,307	580	8.6%
98.8%	6,523	6,482	-41	-0.6%
100.0%	4,140	4,616	476	11.5%

Figure SW-04-b
Trinity River below Lewiston Reservoir, Monthly Flow
Probability of Exceedance

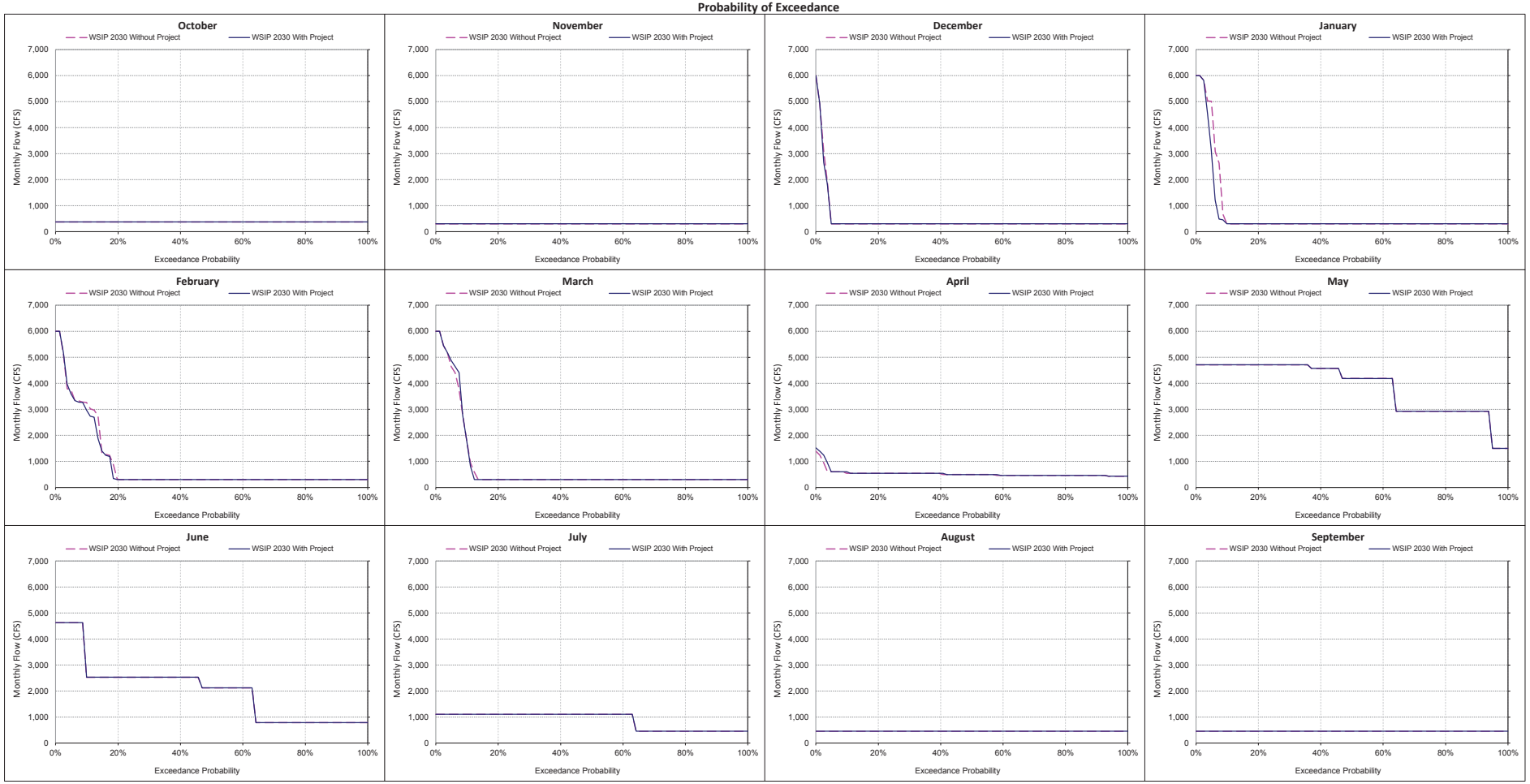


Table SW-04-b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	373	373	0	0.0%
1.2%	373	373	0	0.0%
2.5%	373	373	0	0.0%
3.7%	373	373	0	0.0%
4.9%	373	373	0	0.0%
6.2%	373	373	0	0.0%
7.4%	373	373	0	0.0%
8.6%	373	373	0	0.0%
9.9%	373	373	0	0.0%
11.1%	373	373	0	0.0%
12.3%	373	373	0	0.0%
13.6%	373	373	0	0.0%
14.8%	373	373	0	0.0%
16.0%	373	373	0	0.0%
17.3%	373	373	0	0.0%
18.5%	373	373	0	0.0%
19.8%	373	373	0	0.0%
21.0%	373	373	0	0.0%
22.2%	373	373	0	0.0%
23.5%	373	373	0	0.0%
24.7%	373	373	0	0.0%
25.9%	373	373	0	0.0%
27.2%	373	373	0	0.0%
28.4%	373	373	0	0.0%
29.6%	373	373	0	0.0%
30.9%	373	373	0	0.0%
32.1%	373	373	0	0.0%
33.3%	373	373	0	0.0%
34.6%	373	373	0	0.0%
35.8%	373	373	0	0.0%
37.0%	373	373	0	0.0%
38.3%	373	373	0	0.0%
39.5%	373	373	0	0.0%
40.7%	373	373	0	0.0%
42.0%	373	373	0	0.0%
43.2%	373	373	0	0.0%
44.4%	373	373	0	0.0%
45.7%	373	373	0	0.0%
46.9%	373	373	0	0.0%
48.1%	373	373	0	0.0%
49.4%	373	373	0	0.0%
50.6%	373	373	0	0.0%
51.9%	373	373	0	0.0%
53.1%	373	373	0	0.0%
54.3%	373	373	0	0.0%
55.6%	373	373	0	0.0%
56.8%	373	373	0	0.0%
58.0%	373	373	0	0.0%
59.3%	373	373	0	0.0%
60.5%	373	373	0	0.0%
61.7%	373	373	0	0.0%
63.0%	373	373	0	0.0%
64.2%	373	373	0	0.0%
65.4%	373	373	0	0.0%
66.7%	373	373	0	0.0%
67.9%	373	373	0	0.0%
69.1%	373	373	0	0.0%
70.4%	373	373	0	0.0%
71.6%	373	373	0	0.0%
72.8%	373	373	0	0.0%
74.1%	373	373	0	0.0%
75.3%	373	373	0	0.0%
76.5%	373	373	0	0.0%
77.8%	373	373	0	0.0%
79.0%	373	373	0	0.0%
80.2%	373	373	0	0.0%
81.5%	373	373	0	0.0%
82.7%	373	373	0	0.0%
84.0%	373	373	0	0.0%
85.2%	373	373	0	0.0%
86.4%	373	373	0	0.0%
87.7%	373	373	0	0.0%
88.9%	373	373	0	0.0%
90.1%	373	373	0	0.0%
91.4%	373	373	0	0.0%
92.6%	373	373	0	0.0%
93.8%	373	373	0	0.0%
95.1%	373	373	0	0.0%
96.3%	373	373	0	0.0%
97.5%	373	373	0	0.0%
98.8%	373	373	0	0.0%
100.0%	373	373	0	0.0%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	300	300	0	0.0%
1.2%	300	300	0	0.0%
2.5%	300	300	0	0.0%
3.7%	300	300	0	0.0%
4.9%	300	300	0	0.0%
6.2%	300	300	0	0.0%
7.4%	300	300	0	0.0%
8.6%	300	300	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	4,906	4,906	0	0.0%
2.5%	3,136	2,664	-472	-15.1%
3.7%	1,871	1,822	-49	-2.6%
4.9%	300	300	0	0.0%
6.2%	300	300	0	0.0%
7.4%	300	300	0	0.0%
8.6%	300	300	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	6,000	6,000	0	0.0%
2.5%	5,823	5,823	0	0.0%
3.7%	5,027	4,516	-511	-10.2%
4.9%	5,013	3,161	-1,852	-36.9%
6.2%	3,080	1,220	-1,860	-60.4%
7.4%	2,637	482	-2,155	-81.7%
8.6%	672	455	-218	-32.4%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

Table SW-04-b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	6,000	6,000	0	0.0%
2.5%	5,158	5,158	0	0.0%
3.7%	3,790	3,972	182	4.8%
4.9%	3,744	3,593	-151	-4.0%
6.2%	3,338	3,338	0	0.0%
7.4%	3,324	3,280	-44	-1.3%
8.6%	3,280	3,264	-16	-0.5%
9.9%	3,264	2,967	-297	-9.1%
11.1%	3,016	2,732	-285	-9.4%
12.3%	2,967	2,696	-271	-9.1%
13.6%	2,732	1,875	-857	-31.4%
14.8%	1,305	1,401	96	7.4%
16.0%	1,269	1,230	-39	-3.1%
17.3%	1,230	1,187	-42	-3.4%
18.5%	862	336	-526	-61.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	6,000	6,000	0	0.0%
2.5%	5,445	5,454	9	0.2%
3.7%	5,179	5,179	0	0.0%
4.9%	4,642	4,872	230	5.0%
6.2%	4,410	4,642	232	5.3%
7.4%	3,800	4,410	611	16.1%
8.6%	2,767	2,772	5	0.2%
9.9%	1,823	1,823	0	0.0%
11.1%	941	806	-135	-14.4%
12.3%	589	300	-289	-49.1%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,388	1,514	126	9.1%
1.2%	1,243	1,388	145	11.7%
2.5%	953	1,243	290	30.4%
3.7%	600	953	353	58.8%
4.9%	600	600	0	0.0%
6.2%	600	600	0	0.0%
7.4%	600	600	0	0.0%
8.6%	600	600	0	0.0%
9.9%	540	600	60	11.1%
11.1%	540	540	0	0.0%
12.3%	540	540	0	0.0%
13.6%	540	540	0	0.0%
14.8%	540	540	0	0.0%
16.0%	540	540	0	0.0%
17.3%	540	540	0	0.0%
18.5%	540	540	0	0.0%
19.8%	540	540	0	0.0%
21.0%	540	540	0	0.0%
22.2%	540	540	0	0.0%
23.5%	540	540	0	0.0%
24.7%	540	540	0	0.0%
25.9%	540	540	0	0.0%
27.2%	540	540	0	0.0%
28.4%	540	540	0	0.0%
29.6%	540	540	0	0.0%
30.9%	540	540	0	0.0%
32.1%	540	540	0	0.0%
33.3%	540	540	0	0.0%
34.6%	540	540	0	0.0%
35.8%	540	540	0	0.0%
37.0%	540	540	0	0.0%
38.3%	540	540	0	0.0%
39.5%	540	540	0	0.0%
40.7%	493	540	47	9.5%
42.0%	493	493	0	0.0%
43.2%	493	493	0	0.0%
44.4%	493	493	0	0.0%
45.7%	493	493	0	0.0%
46.9%	493	493	0	0.0%
48.1%	493	493	0	0.0%
49.4%	493	493	0	0.0%
50.6%	493	493	0	0.0%
51.9%	493	493	0	0.0%
53.1%	493	493	0	0.0%
54.3%	493	493	0	0.0%
55.6%	493	493	0	0.0%
56.8%	493	493	0	0.0%
58.0%	460	493	33	7.2%
59.3%	460	460	0	0.0%
60.5%	460	460	0	0.0%
61.7%	460	460	0	0.0%
63.0%	460	460	0	0.0%
64.2%	460	460	0	0.0%
65.4%	460	460	0	0.0%
66.7%	460	460	0	0.0%
67.9%	460	460	0	0.0%
69.1%	460	460	0	0.0%
70.4%	460	460	0	0.0%
71.6%	460	460	0	0.0%
72.8%	460	460	0	0.0%
74.1%	460	460	0	0.0%
75.3%	460	460	0	0.0%
76.5%	460	460	0	0.0%
77.8%	460	460	0	0.0%
79.0%	460	460	0	0.0%
80.2%	460	460	0	0.0%
81.5%	460	460	0	0.0%
82.7%	460	460	0	0.0%
84.0%	460	460	0	0.0%
85.2%	460	460	0	0.0%
86.4%	460	460	0	0.0%
87.7%	460	460	0	0.0%
88.9%	460	460	0	0.0%
90.1%	460	460	0	0.0%
91.4%	460	460	0	0.0%
92.6%	460	460	0	0.0%
93.8%	427	427	0	0.0%
95.1%	427	427	0	0.0%
96.3%	427	427	0	0.0%
97.5%	427	427	0	0.0%
98.8%	427	427	0	0.0%
100.0%	427	427	0	0.0%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,709	4,709	0	0.0%
1.2%	4,709	4,709	0	0.0%
2.5%	4,709	4,709	0	0.0%
3.7%	4,709	4,709	0	0.0%
4.9%	4,709	4,709	0	0.0%
6.2%	4,709	4,709	0	0.0%
7.4%	4,709	4,709	0	0.0%
8.6%	4,709	4,709	0	0.0%
9.9%	4,709	4,709	0	0.0%
11.1%	4,709	4,709	0	0.0%
12.3%	4,709	4,709	0	0.0%
13.6%	4,709	4,709	0	0.0%
14.8%	4,709	4,709	0	0.0%
16.0%	4,709	4,709	0	0.0%
17.3%	4,709	4,709	0	0.0%
18.5%	4,709	4,709	0	0.0%
19.8%	4,709	4,709	0	0.0%
21.0%	4,709	4,709	0	0.0%
22.2%	4,709	4,709	0	0.0%
23.5%	4,709	4,709	0	0.0%
24.7%	4,709	4,709	0	0.0%
25.9%	4,709	4,709	0	0.0%
27.2%	4,709	4,709	0	0.0%
28.4%	4,709	4,709	0	0.0%
29.6%	4,709	4,709	0	0.0%
30.9%	4,709	4,709	0	0.0%
32.1%	4,709	4,709	0	0.0%
33.3%	4,709	4,709	0	0.0%
34.6%	4,709	4,709	0	0.0%
35.8%	4,709	4,709	0	0.0%
37.0%	4,570	4,570	0	0.0%
38.3%	4,570	4,570	0	0.0%
39.5%	4,570	4,570	0	0.0%
40.7%	4,570	4,570	0	0.0%
42.0%	4,570	4,570	0	0.0%
43.2%	4,570	4,570	0	0.0%
44.4%	4,570	4,570	0	0.0%
45.7%	4,570	4,570	0	0.0%
46.9%	4,189	4,189	0	0.0%
48.1%	4,189	4,189	0	0.0%
49.4%	4,189	4,189	0	0.0%
50.6%	4,189	4,189	0	0.0%
51.9%	4,189	4,189	0	0.0%
53.1%	4,189	4,189	0	0.0%
54.3%	4,189	4,189	0	0.0%
55.6%	4,189	4,189	0	0.0%
56.8%	4,189	4,189	0	0.0%
58.0%	4,189	4,189	0	0.0%
59.3%	4,189	4,189	0	0.0%
60.5%	4,189	4,189	0	0.0%
61.7%	4,189	4,189	0	0.0%
63.0%	4,189	4,189	0	0.0%
64.2%	2,924	2,924	0	0.0%
65.4%	2,924	2,924	0	0.0%
66.7%	2,924	2,924	0	0.0%
67.9%	2,924	2,924	0	0.0%
69.1%	2,924	2,924	0	0.0%
70.4%	2,924	2,924	0	0.0%
71.6%	2,924	2,924	0	0.0%
72.8%	2,924	2,924	0	0.0%
74.1%	2,924	2,924	0	0.0%
75.3%	2,924	2,924	0	0.0%
76.5%	2,924	2,924	0	0.0%
77.8%	2,924	2,924	0	0.0%
79.0%	2,924	2,924	0	0.0%
80.2%	2,924	2,924	0	0.0%
81.5%	2,924	2,924	0	0.0%
82.7%	2,924	2,924	0	0.0%
84.0%	2,924	2,924	0	0.0%
85.2%	2,924	2,924	0	0.0%
86.4%	2,924	2,924	0	0.0%
87.7%	2,924	2,924	0	0.0%
88.9%	2,924	2,924	0	0.0%
90.1%	2,924	2,924	0	0.0%
91.4%	2,924	2,924	0	0.0%
92.6%	2,924	2,924	0	0.0%
93.8%	2,924	2,924	0	0.0%
95.1%	1,498	1,498	0	0.0%
96.3%	1,498	1,498	0	0.0%
97.5%	1,498	1,498	0	0.0%
98.8%	1,498	1,498	0	0.0%
100.0%	1,498	1,498	0	0.0%

Table SW-04-b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,626	4,626	0	0.0%
1.2%	4,626	4,626	0	0.0%
2.5%	4,626	4,626	0	0.0%
3.7%	4,626	4,626	0	0.0%
4.9%	4,626	4,626	0	0.0%
6.2%	4,626	4,626	0	0.0%
7.4%	4,626	4,626	0	0.0%
8.6%	4,626	4,626	0	0.0%
9.9%	2,526	2,526	0	0.0%
11.1%	2,526	2,526	0	0.0%
12.3%	2,526	2,526	0	0.0%
13.6%	2,526	2,526	0	0.0%
14.8%	2,526	2,526	0	0.0%
16.0%	2,526	2,526	0	0.0%
17.3%	2,526	2,526	0	0.0%
18.5%	2,526	2,526	0	0.0%
19.8%	2,526	2,526	0	0.0%
21.0%	2,526	2,526	0	0.0%
22.2%	2,526	2,526	0	0.0%
23.5%	2,526	2,526	0	0.0%
24.7%	2,526	2,526	0	0.0%
25.9%	2,526	2,526	0	0.0%
27.2%	2,526	2,526	0	0.0%
28.4%	2,526	2,526	0	0.0%
29.6%	2,526	2,526	0	0.0%
30.9%	2,526	2,526	0	0.0%
32.1%	2,526	2,526	0	0.0%
33.3%	2,526	2,526	0	0.0%
34.6%	2,526	2,526	0	0.0%
35.8%	2,526	2,526	0	0.0%
37.0%	2,526	2,526	0	0.0%
38.3%	2,526	2,526	0	0.0%
39.5%	2,526	2,526	0	0.0%
40.7%	2,526	2,526	0	0.0%
42.0%	2,526	2,526	0	0.0%
43.2%	2,526	2,526	0	0.0%
44.4%	2,526	2,526	0	0.0%
45.7%	2,526	2,526	0	0.0%
46.9%	2,120	2,120	0	0.0%
48.1%	2,120	2,120	0	0.0%
49.4%	2,120	2,120	0	0.0%
50.6%	2,120	2,120	0	0.0%
51.9%	2,120	2,120	0	0.0%
53.1%	2,120	2,120	0	0.0%
54.3%	2,120	2,120	0	0.0%
55.6%	2,120	2,120	0	0.0%
56.8%	2,120	2,120	0	0.0%
58.0%	2,120	2,120	0	0.0%
59.3%	2,120	2,120	0	0.0%
60.5%	2,120	2,120	0	0.0%
61.7%	2,120	2,120	0	0.0%
63.0%	2,120	2,120	0	0.0%
64.2%	783	783	0	0.0%
65.4%	783	783	0	0.0%
66.7%	783	783	0	0.0%
67.9%	783	783	0	0.0%
69.1%	783	783	0	0.0%
70.4%	783	783	0	0.0%
71.6%	783	783	0	0.0%
72.8%	783	783	0	0.0%
74.1%	783	783	0	0.0%
75.3%	783	783	0	0.0%
76.5%	783	783	0	0.0%
77.8%	783	783	0	0.0%
79.0%	783	783	0	0.0%
80.2%	783	783	0	0.0%
81.5%	783	783	0	0.0%
82.7%	783	783	0	0.0%
84.0%	783	783	0	0.0%
85.2%	783	783	0	0.0%
86.4%	783	783	0	0.0%
87.7%	783	783	0	0.0%
88.9%	783	783	0	0.0%
90.1%	783	783	0	0.0%
91.4%	783	783	0	0.0%
92.6%	783	783	0	0.0%
93.8%	783	783	0	0.0%
95.1%	783	783	0	0.0%
96.3%	783	783	0	0.0%
97.5%	783	783	0	0.0%
98.8%	783	783	0	0.0%
100.0%	783	783	0	0.0%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,102	1,102	0	0.0%
1.2%	1,102	1,102	0	0.0%
2.5%	1,102	1,102	0	0.0%
3.7%	1,102	1,102	0	0.0%
4.9%	1,102	1,102	0	0.0%
6.2%	1,102	1,102	0	0.0%
7.4%	1,102	1,102	0	0.0%
8.6%	1,102	1,102	0	0.0%
9.9%	1,102	1,102	0	0.0%
11.1%	1,102	1,102	0	0.0%
12.3%	1,102	1,102	0	0.0%
13.6%	1,102	1,102	0	0.0%
14.8%	1,102	1,102	0	0.0%
16.0%	1,102	1,102	0	0.0%
17.3%	1,102	1,102	0	0.0%
18.5%	1,102	1,102	0	0.0%
19.8%	1,102	1,102	0	0.0%
21.0%	1,102	1,102	0	0.0%
22.2%	1,102	1,102	0	0.0%
23.5%	1,102	1,102	0	0.0%
24.7%	1,102	1,102	0	0.0%
25.9%	1,102	1,102	0	0.0%
27.2%	1,102	1,102	0	0.0%
28.4%	1,102	1,102	0	0.0%
29.6%	1,102	1,102	0	0.0%
30.9%	1,102	1,102	0	0.0%
32.1%	1,102	1,102	0	0.0%
33.3%	1,102	1,102	0	0.0%
34.6%	1,102	1,102	0	0.0%
35.8%	1,102	1,102	0	0.0%
37.0%	1,102	1,102	0	0.0%
38.3%	1,102	1,102	0	0.0%
39.5%	1,102	1,102	0	0.0%
40.7%	1,102	1,102	0	0.0%
42.0%	1,102	1,102	0	0.0%
43.2%	1,102	1,102	0	0.0%
44.4%	1,102	1,102	0	0.0%
45.7%	1,102	1,102	0	0.0%
46.9%	1,102	1,102	0	0.0%
48.1%	1,102	1,102	0	0.0%
49.4%	1,102	1,102	0	0.0%
50.6%	1,102	1,102	0	0.0%
51.9%	1,102	1,102	0	0.0%
53.1%	1,102	1,102	0	0.0%
54.3%	1,102	1,102	0	0.0%
55.6%	1,102	1,102	0	0.0%
56.8%	1,102	1,102	0	0.0%
58.0%	1,102	1,102	0	0.0%
59.3%	1,102	1,102	0	0.0%
60.5%	1,102	1,102	0	0.0%
61.7%	1,102	1,102	0	0.0%
63.0%	1,102	1,102	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%
14.8%	450	450	0	0.0%
16.0%	450	450	0	0.0%
17.3%	450	450	0	0.0%
18.5%	450	450	0	0.0%
19.8%	450	450	0	0.0%
21.0%	450	450	0	0.0%
22.2%	450	450	0	0.0%
23.5%	450	450	0	0.0%
24.7%	450	450	0	0.0%
25.9%	450	450	0	0.0%
27.2%	450	450	0	0.0%
28.4%	450	450	0	0.0%
29.6%	450	450	0	0.0%
30.9%	450	450	0	0.0%
32.1%	450	450	0	0.0%
33.3%	450	450	0	0.0%
34.6%	450	450	0	0.0%
35.8%	450	450	0	0.0%
37.0%	450	450	0	0.0%
38.3%	450	450	0	0.0%
39.5%	450	450	0	0.0%
40.7%	450	450	0	0.0%
42.0%	450	450	0	0.0%
43.2%	450	450	0	0.0%
44.4%	450	450	0	0.0%
45.7%	450	450	0	0.0%
46.9%	450	450	0	0.0%
48.1%	450	450	0	0.0%
49.4%	450	450	0	0.0%
50.6%	450	450	0	0.0%
51.9%	450	450	0	0.0%
53.1%	450	450	0	0.0%
54.3%	450	450	0	0.0%
55.6%	450	450	0	0.0%
56.8%	450	450	0	0.0%
58.0%	450	450	0	0.0%
59.3%	450	450	0	0.0%
60.5%	450	450	0	0.0%
61.7%	450	450	0	0.0%
63.0%	450	450	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%
14.8%	450	450	0	0.0%
16.0%	450	450	0	0.0%
17.3%	450	450	0	0.0%
18.5%	450	450	0	0.0%
19.8%	450	450	0	0.0%
21.0%	450	450	0	0.0%
22.2%	450	450	0	0.0%
23.5%	450	450	0	0.0%
24.7%	450	450	0	0.0%
25.9%	450	450	0	0.0%
27.2%	450	450	0	0.0%
28.4%	450	450	0	0.0%
29.6%	450	450	0	0.0%
30.9%	450	450	0	0.0%
32.1%	450	450	0	0.0%
33.3%	450	450	0	0.0%
34.6%	450	450	0	0.0%
35.8%	450	450	0	0.0%
37.0%	450	450	0	0.0%
38.3%	450	450	0	0.0%
39.5%	450	450	0	0.0%
40.7%	450	450	0	0.0%
42.0%	450	450	0	0.0%
43.2%	450	450	0	0.0%
44.4%	450	450	0	0.0%
45.7%	450	450	0	0.0%
46.9%	450	450	0	0.0%
48.1%	450	450	0	0.0%
49.4%	450	450	0	0.0%
50.6%	450	450	0	0.0%
51.9%	450	450	0	0.0%
53.1%	450	450	0	0.0%
54.3%	450	450	0	0.0%
55.6%	450	450	0	0.0%
56.8%	450	450	0	0.0%
58.0%	450	450	0	0.0%
59.3%	450	450	0	0.0%
60.5%	450	450	0	0.0%
61.7%	450	450	0	0.0%
63.0%	450	450	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

Figure SW-05-b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

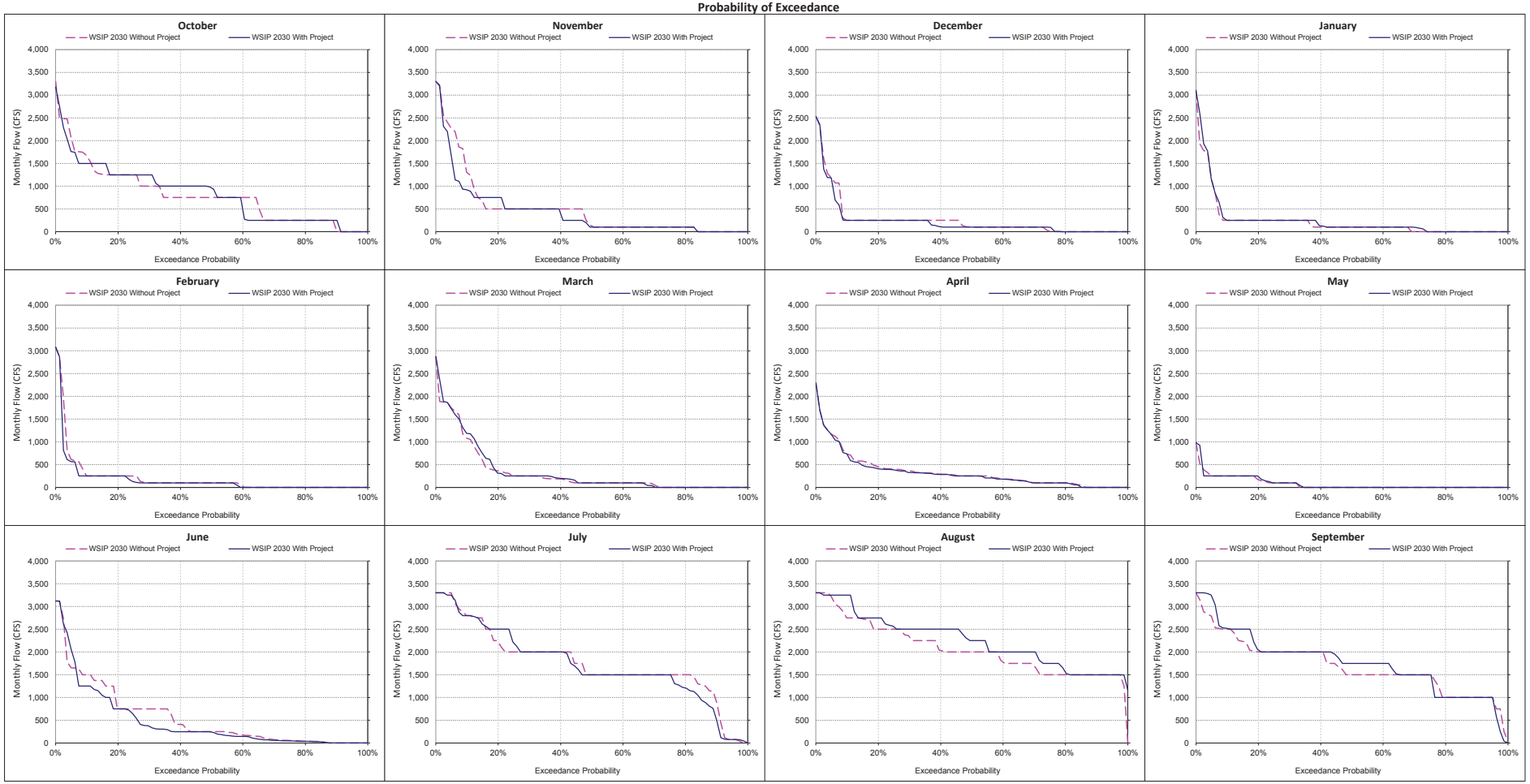


Table SW-05-b

Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,175	-125	-3.8%
1.2%	2,500	2,750	250	10.0%
2.5%	2,485	2,288	-197	-7.9%
3.7%	2,480	2,042	-438	-17.7%
4.9%	2,070	1,761	-309	-14.9%
6.2%	1,761	1,746	-15	-0.8%
7.4%	1,758	1,500	-258	-14.7%
8.6%	1,746	1,500	-246	-14.1%
9.9%	1,674	1,500	-174	-10.4%
11.1%	1,533	1,500	-33	-2.2%
12.3%	1,335	1,500	165	12.4%
13.6%	1,279	1,500	221	17.3%
14.8%	1,262	1,500	238	18.8%
16.0%	1,250	1,500	250	20.0%
17.3%	1,250	1,250	0	0.0%
18.5%	1,250	1,250	0	0.0%
19.8%	1,250	1,250	0	0.0%
21.0%	1,250	1,250	0	0.0%
22.2%	1,250	1,250	0	0.0%
23.5%	1,250	1,250	0	0.0%
24.7%	1,250	1,250	0	0.0%
25.9%	1,250	1,250	0	0.0%
27.2%	1,000	1,250	250	25.0%
28.4%	1,000	1,250	250	25.0%
29.6%	1,000	1,250	250	25.0%
30.9%	1,000	1,250	250	25.0%
32.1%	1,000	1,057	57	5.7%
33.3%	985	1,000	15	1.5%
34.6%	750	1,000	250	33.3%
35.8%	750	1,000	250	33.3%
37.0%	750	1,000	250	33.3%
38.3%	750	1,000	250	33.3%
39.5%	750	1,000	250	33.3%
40.7%	750	1,000	250	33.3%
42.0%	750	1,000	250	33.3%
43.2%	750	1,000	250	33.3%
44.4%	750	1,000	250	33.3%
45.7%	750	1,000	250	33.3%
46.9%	750	1,000	250	33.3%
48.1%	750	1,000	250	33.3%
49.4%	750	983	233	31.1%
50.6%	750	934	184	24.6%
51.9%	750	750	0	0.0%
53.1%	750	750	0	0.0%
54.3%	750	750	0	0.0%
55.6%	750	750	0	0.0%
56.8%	750	750	0	0.0%
58.0%	750	750	0	0.0%
59.3%	750	750	0	0.0%
60.5%	750	272	-478	-63.7%
61.7%	750	250	-500	-66.7%
63.0%	750	250	-500	-66.7%
64.2%	750	250	-500	-66.7%
65.4%	460	250	-210	-45.7%
66.7%	250	250	0	0.0%
67.9%	250	250	0	0.0%
69.1%	250	250	0	0.0%
70.4%	250	250	0	0.0%
71.6%	250	250	0	0.0%
72.8%	250	250	0	0.0%
74.1%	250	250	0	0.0%
75.3%	250	250	0	0.0%
76.5%	250	250	0	0.0%
77.8%	250	250	0	0.0%
79.0%	250	250	0	0.0%
80.2%	250	250	0	0.0%
81.5%	250	250	0	0.0%
82.7%	250	250	0	0.0%
84.0%	250	250	0	0.0%
85.2%	250	250	0	0.0%
86.4%	250	250	0	0.0%
87.7%	250	250	0	0.0%
88.9%	250	250	0	0.0%
90.1%	0	250	250	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,192	3,219	27	0.8%
2.5%	2,554	2,313	-241	-9.4%
3.7%	2,404	2,200	-204	-8.5%
4.9%	2,273	1,671	-602	-26.5%
6.2%	2,200	1,140	-1,061	-48.2%
7.4%	1,861	1,105	-757	-40.7%
8.6%	1,825	933	-893	-48.9%
9.9%	1,307	923	-384	-29.4%
11.1%	1,235	887	-348	-28.2%
12.3%	923	750	-173	-18.8%
13.6%	742	750	8	1.1%
14.8%	696	750	54	7.8%
16.0%	500	750	250	50.0%
17.3%	500	750	250	50.0%
18.5%	500	750	250	50.0%
19.8%	500	750	250	50.0%
21.0%	500	750	250	50.0%
22.2%	500	500	0	0.0%
23.5%	500	500	0	0.0%
24.7%	500	500	0	0.0%
25.9%	500	500	0	0.0%
27.2%	500	500	0	0.0%
28.4%	500	500	0	0.0%
29.6%	500	500	0	0.0%
30.9%	500	500	0	0.0%
32.1%	500	500	0	0.0%
33.3%	500	500	0	0.0%
34.6%	500	500	0	0.0%
35.8%	500	500	0	0.0%
37.0%	500	500	0	0.0%
38.3%	500	500	0	0.0%
39.5%	500	500	0	0.0%
40.7%	500	250	-250	-50.0%
42.0%	500	250	-250	-50.0%
43.2%	500	250	-250	-50.0%
44.4%	500	250	-250	-50.0%
45.7%	500	250	-250	-50.0%
46.9%	500	250	-250	-50.0%
48.1%	250	198	-52	-21.0%
49.4%	147	100	-47	-32.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	100	100	0	0.0%
70.4%	100	100	0	0.0%
71.6%	100	100	0	0.0%
72.8%	100	100	0	0.0%
74.1%	100	100	0	0.0%
75.3%	100	100	0	0.0%
76.5%	100	100	0	0.0%
77.8%	100	100	0	0.0%
79.0%	100	100	0	0.0%
80.2%	100	100	0	0.0%
81.5%	100	100	0	0.0%
82.7%	100	100	0	0.0%
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,530	2,530	0	0.0%
1.2%	2,329	2,353	23	1.0%
2.5%	1,617	1,372	-245	-15.2%
3.7%	1,278	1,188	-90	-7.1%
4.9%	1,187	1,187	0	0.0%
6.2%	1,072	696	-376	-35.1%
7.4%	1,067	585	-482	-45.2%
8.6%	299	256	-42	-14.2%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	250	0	0.0%
28.4%	250	250	0	0.0%
29.6%	250	250	0	0.0%
30.9%	250	250	0	0.0%
32.1%	250	250	0	0.0%
33.3%	250	250	0	0.0%
34.6%	250	250	0	0.0%
35.8%	250	250	0	0.0%
37.0%	250	144	-106	-42.5%
38.3%	250	134	-116	-46.3%
39.5%	250	109	-141	-56.3%
40.7%	250	102	-148	-59.3%
42.0%	250	100	-150	-60.0%
43.2%	250	100	-150	-60.0%
44.4%	250	100	-150	-60.0%
45.7%	250	100	-150	-60.0%
46.9%	134	100	-34	-25.5%
48.1%	109	100	-9	-8.4%
49.4%	102	100	-2	-1.7%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	100	100	0	0.0%
70.4%	100	100	0	0.0%
71.6%	100	100	0	0.0%
72.8%	95	100	5	5.3%
74.1%	32	100	68	213.9%
75.3%	0	95	95	
76.5%	0	3	3	
77.8%	0	2	2	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,109	3,109	0	0.0%
1.2%	1,933	2,598	666	34.4%
2.5%	1,779	1,933	154	8.7%
3.7%	1,771	1,771	0	0.0%
4.9%	1,158	1,158	0	0.0%
6.2%	845	845	0	0.0%
7.4%	375	646	271	72.4%
8.6%	250	314	64	25.5%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	250	0	0.0%
28.4%	250	250	0	0.0%
29.6%	250	250	0	0.0%
30.9%	250	250	0	0.0%
32.1%	250	250	0	0.0%
33.3%	250	250	0	0.0%
34.6%	250	250	0	0.0%
35.8%	250	250	0	0.0%
37.0%	109	250	141	128.8%
38.3%	100	250	150	150.0%
39.5%	100	134	34	33.8%
40.7%	100	125	25	25.0%
42.0%	100	100	0	0.0%
43.2%	100	100	0	0.0%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	93	100	7	7.2%
69.1%	0	100	100	
70.4%	0	93	93	
71.6%	0	76	76	
72.8%	0	58	58	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-05-b

Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,081	3,081	0	0.0%
1.2%	2,862	2,862	0	0.0%
2.5%	1,988	811	-1,177	-59.2%
3.7%	811	613	-197	-24.3%
4.9%	613	566	-48	-7.8%
6.2%	585	560	-25	-4.2%
7.4%	566	250	-316	-55.8%
8.6%	409	250	-159	-38.9%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	178	-72	-28.7%
24.7%	250	128	-122	-48.9%
25.9%	250	109	-141	-56.2%
27.2%	128	100	-28	-21.7%
28.4%	109	100	-9	-8.7%
29.6%	100	100	0	0.0%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	100	0	0.0%
37.0%	100	100	0	0.0%
38.3%	100	100	0	0.0%
39.5%	100	100	0	0.0%
40.7%	100	100	0	0.0%
42.0%	100	100	0	0.0%
43.2%	100	100	0	0.0%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	53	-47	-46.6%
59.3%	53	0	-53	-100.0%
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,871	2,871	0	0.0%
1.2%	1,888	2,381	493	26.1%
2.5%	1,871	1,888	16	0.9%
3.7%	1,867	1,867	0	0.0%
4.9%	1,748	1,732	-16	-0.9%
6.2%	1,669	1,599	-70	-4.2%
7.4%	1,599	1,503	-95	-6.0%
8.6%	1,176	1,317	141	12.0%
9.9%	1,082	1,185	103	9.5%
11.1%	1,050	1,176	127	12.1%
12.3%	891	1,059	168	18.9%
13.6%	751	891	140	18.6%
14.8%	618	751	133	21.5%
16.0%	427	640	213	49.8%
17.3%	407	618	211	51.8%
18.5%	383	427	44	11.6%
19.8%	363	317	-46	-12.6%
21.0%	352	305	-47	-13.2%
22.2%	318	250	-68	-21.5%
23.5%	305	250	-55	-18.1%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	250	0	0.0%
28.4%	250	250	0	0.0%
29.6%	250	250	0	0.0%
30.9%	250	250	0	0.0%
32.1%	250	250	0	0.0%
33.3%	243	250	7	3.0%
34.6%	202	250	48	23.8%
35.8%	192	250	58	30.0%
37.0%	189	243	54	28.4%
38.3%	188	211	23	12.5%
39.5%	186	202	16	8.3%
40.7%	177	192	15	8.5%
42.0%	159	188	29	18.0%
43.2%	117	177	60	51.5%
44.4%	100	159	59	59.3%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	87	-13	-13.4%
67.9%	100	43	-57	-57.0%
69.1%	87	39	-47	-54.4%
70.4%	43	0	-43	-100.0%
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,294	2,294	0	0.0%
1.2%	1,697	1,697	0	0.0%
2.5%	1,367	1,367	0	0.0%
3.7%	1,263	1,263	0	0.0%
4.9%	1,167	1,167	0	0.0%
6.2%	1,123	1,042	-81	-7.2%
7.4%	1,042	1,011	-31	-3.0%
8.6%	829	762	-66	-8.0%
9.9%	736	736	0	0.0%
11.1%	707	587	-120	-17.0%
12.3%	587	558	-29	-4.9%
13.6%	579	546	-33	-5.7%
14.8%	576	487	-90	-15.5%
16.0%	558	458	-100	-17.9%
17.3%	546	445	-101	-18.4%
18.5%	487	436	-51	-10.5%
19.8%	458	410	-48	-10.5%
21.0%	436	401	-35	-8.1%
22.2%	410	395	-16	-3.8%
23.5%	408	394	-14	-3.3%
24.7%	401	390	-10	-2.6%
25.9%	394	369	-25	-6.4%
27.2%	390	361	-30	-7.6%
28.4%	369	358	-11	-3.0%
29.6%	361	328	-33	-9.2%
30.9%	358	325	-33	-9.2%
32.1%	328	319	-8	-2.5%
33.3%	325	318	-7	-2.2%
34.6%	319	312	-7	-2.2%
35.8%	318	311	-7	-2.3%
37.0%	312	302	-10	-3.3%
38.3%	311	288	-23	-7.3%
39.5%	286	286	0	0.0%
40.7%	285	285	0	0.0%
42.0%	284	284	0	0.0%
43.2%	281	271	-10	-3.5%
44.4%	271	250	-21	-7.9%
45.7%	250	250	0	0.0%
46.9%	250	250	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	250	0	0.0%
53.1%	250	248	-2	-0.9%
54.3%	250	209	-41	-16.6%
55.6%	248	208	-40	-16.1%
56.8%	209	205	-3	-1.6%
58.0%	208	185	-22	-10.8%
59.3%	185	183	-2	-1.1%
60.5%	183	178	-6	-3.1%
61.7%	178	176	-2	-1.1%
63.0%	176	161	-14	-8.2%
64.2%	161	160	-2	-0.9%
65.4%	160	144	-15	-9.6%
66.7%	144	143	-1	-0.8%
67.9%	143	125	-18	-12.6%
69.1%	106	106	0	0.0%
70.4%	100	100	0	0.0%
71.6%	100	100	0	0.0%
72.8%	100	100	0	0.0%
74.1%	100	100	0	0.0%
75.3%	100	100	0	0.0%
76.5%	100	100	0	0.0%
77.8%	100	100	0	0.0%
79.0%	100	100	0	0.0%
80.2%	100	100	0	0.0%
81.5%	100	81	-19	-19.0%
82.7%	81	58	-23	-28.9%
84.0%	58	51	-6	-10.6%
85.2%	55	0	-55	-100.0%
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	983	983	0	0.0%
1.2%	522	922	401	76.7%
2.5%	387	250	-137	-35.4%
3.7%	327	250	-77	-23.4%
4.9%	250	250	0	0.0%
6.2%	250	250	0	0.0%
7.4%	250	250	0	0.0%
8.6%	250	250	0	0.0%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	177	250	73	41.5%
21.0%	142	177	35	24.7%
22.2%	126	142	16	12.7%
23.5%	100	126	26	25.7%
24.7%	100	100	0	0.0%
25.9%	100	100	0	0.0%
27.2%	100	100	0	0.0%
28.4%	100	100	0	0.0%
29.6%	100	100	0	0.0%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	0	39	39	
34.6%	0	0	0	
35.8%	0	0	0	
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-05-b

Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,121	3,121	0	0.0%
1.2%	3,120	3,120	0	0.0%
2.5%	2,752	2,613	-138	-5.0%
3.7%	1,784	2,427	643	36.0%
4.9%	1,654	2,067	413	25.0%
6.2%	1,647	1,784	137	8.3%
7.4%	1,627	1,250	-377	-23.2%
8.6%	1,500	1,250	-250	-16.7%
9.9%	1,500	1,250	-250	-16.7%
11.1%	1,500	1,250	-250	-16.7%
12.3%	1,374	1,179	-196	-14.2%
13.6%	1,374	1,150	-224	-16.3%
14.8%	1,374	1,055	-319	-23.2%
16.0%	1,250	1,000	-250	-20.0%
17.3%	1,250	999	-251	-20.1%
18.5%	1,250	750	-500	-40.0%
19.8%	750	750	0	0.0%
21.0%	750	750	0	0.0%
22.2%	750	750	0	0.0%
23.5%	750	720	-30	-4.0%
24.7%	750	641	-109	-14.5%
25.9%	750	538	-212	-28.3%
27.2%	750	407	-343	-45.7%
28.4%	750	383	-367	-48.9%
29.6%	750	378	-372	-49.7%
30.9%	750	334	-416	-55.4%
32.1%	750	313	-437	-58.3%
33.3%	750	303	-447	-59.6%
34.6%	750	303	-447	-59.7%
35.8%	750	292	-458	-61.0%
37.0%	631	252	-379	-60.1%
38.3%	412	250	-162	-39.3%
39.5%	408	250	-158	-38.8%
40.7%	407	250	-157	-38.6%
42.0%	303	250	-53	-17.5%
43.2%	252	250	-2	-0.6%
44.4%	250	250	0	0.0%
45.7%	250	250	0	0.0%
46.9%	250	250	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	-0.2%
50.6%	250	229	-21	-8.5%
51.9%	250	196	-54	-21.4%
53.1%	250	183	-67	-26.9%
54.3%	250	167	-83	-33.2%
55.6%	234	160	-74	-31.5%
56.8%	229	152	-77	-33.7%
58.0%	196	148	-49	-24.8%
59.3%	183	145	-38	-20.8%
60.5%	168	143	-24	-14.5%
61.7%	167	137	-30	-17.8%
63.0%	158	110	-48	-30.5%
64.2%	148	93	-55	-36.9%
65.4%	143	82	-61	-42.6%
66.7%	110	70	-40	-36.0%
67.9%	93	69	-24	-25.7%
69.1%	82	60	-22	-26.9%
70.4%	70	58	-12	-17.6%
71.6%	69	54	-16	-22.6%
72.8%	60	50	-10	-16.4%
74.1%	58	49	-9	-14.8%
75.3%	54	48	-5	-10.0%
76.5%	50	40	-11	-20.9%
77.8%	48	37	-11	-22.7%
79.0%	40	36	-3	-8.7%
80.2%	37	36	-1	-3.4%
81.5%	36	36	-1	-2.2%
82.7%	36	34	-2	-5.5%
84.0%	35	33	-1	-4.3%
85.2%	34	23	-11	-32.6%
86.4%	12	12	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,250	-50	-1.5%
4.9%	3,300	3,250	-50	-1.5%
6.2%	3,066	3,133	68	2.2%
7.4%	2,952	2,876	-76	-2.6%
8.6%	2,876	2,800	-75	-2.6%
9.9%	2,800	2,800	-1	0.0%
11.1%	2,800	2,800	0	0.0%
12.3%	2,753	2,776	22	0.8%
13.6%	2,750	2,750	0	0.0%
14.8%	2,750	2,616	-134	-4.9%
16.0%	2,500	2,563	63	2.5%
17.3%	2,500	2,500	0	0.0%
18.5%	2,250	2,500	250	11.1%
19.8%	2,250	2,500	250	11.1%
21.0%	2,110	2,500	390	18.5%
22.2%	2,004	2,500	496	24.8%
23.5%	2,000	2,500	500	25.0%
24.7%	2,000	2,222	222	11.1%
25.9%	2,000	2,123	123	6.1%
27.2%	2,000	2,000	0	0.0%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	2,000	0	0.0%
39.5%	2,000	2,000	0	0.0%
40.7%	2,000	2,000	0	0.0%
42.0%	2,000	1,972	-28	-1.4%
43.2%	2,000	1,750	-250	-12.5%
44.4%	1,750	1,700	-50	-2.9%
45.7%	1,750	1,617	-133	-7.6%
46.9%	1,750	1,500	-250	-14.3%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,500	1,303	-197	-13.1%
77.8%	1,500	1,275	-225	-15.0%
79.0%	1,500	1,223	-277	-18.5%
80.2%	1,500	1,206	-294	-19.6%
81.5%	1,500	1,149	-351	-23.4%
82.7%	1,456	1,131	-325	-22.3%
84.0%	1,303	1,051	-252	-19.3%
85.2%	1,275	941	-334	-26.2%
86.4%	1,250	887	-363	-29.0%
87.7%	1,149	814	-335	-29.1%
88.9%	1,131	759	-372	-32.9%
90.1%	868	477	-391	-45.0%
91.4%	440	116	-324	-73.6%
92.6%	116	80	-36	-30.8%
93.8%	78	79	1	
95.1%	78	78	0	
96.3%	72	78	5	
97.5%	33	72	40	
98.8%	0	43	43	
100.0%	0	0	0	

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,250	-50	-1.5%
3.7%	3,300	3,250	-50	-1.5%
4.9%	3,217	3,250	33	1.0%
6.2%	3,052	3,250	198	6.5%
7.4%	2,993	3,250	257	8.6%
8.6%	2,894	3,250	356	12.3%
9.9%	2,750	3,250	500	18.2%
11.1%	2,750	3,250	500	18.2%
12.3%	2,750	2,886	136	4.9%
13.6%	2,750	2,750	0	0.0%
14.8%	2,730	2,750	20	0.7%
16.0%	2,711	2,750	39	1.4%
17.3%	2,702	2,750	48	1.8%
18.5%	2,500	2,750	250	10.0%
19.8%	2,500	2,750	250	10.0%
21.0%	2,500	2,750	250	10.0%
22.2%	2,500	2,615	115	4.6%
23.5%	2,500	2,590	90	3.6%
24.7%	2,500	2,572	72	2.9%
25.9%	2,500	2,500	0	0.0%
27.2%	2,500	2,500	0	0.0%
28.4%	2,378	2,500	122	5.1%
29.6%	2,363	2,500	137	5.8%
30.9%	2,250	2,500	250	11.1%
32.1%	2,250	2,500	250	11.1%
33.3%	2,250	2,500	250	11.1%
34.6%	2,250	2,500	250	11.1%
35.8%	2,250	2,500	250	11.1%
37.0%	2,250	2,500	250	11.1%
38.3%	2,250	2,500	250	11.1%
39.5%	2,043	2,500	457	22.4%
40.7%	2,019	2,500	481	23.8%
42.0%	2,000	2,500	500	25.0%
43.2%	2,000	2,500	500	25.0%
44.4%	2,000	2,500	500	25.0%
45.7%	2,000	2,500	500	25.0%
46.9%	2,000	2,406	406	20.3%
48.1%	2,000	2,309	309	15.4%
49.4%	2,000	2,250	250	12.5%
50.6%	2,000	2,250	250	12.5%
51.9%	2,000	2,250	250	12.5%
53.1%	2,000	2,250	250	12.5%
54.3%	2,000	2,250	250	12.5%
55.6%	2,000	2,000	0	0.0%
56.8%	2,000	2,000	0	0.0%
58.0%	2,000	2,000	0	0.0%
59.3%	1,817	2,000	183	10.1%
60.5%	1,750	2,000	250	14.3%
61.7%	1,750	2,000	250	14.3%
63.0%	1,750	2,000	250	14.3%
64.2%	1,750	2,000	250	14.3%
65.4%	1,750	2,000	250	14.3%
66.7%	1,750	2,000	250	14.3%
67.9%	1,750	2,000	250	14.3%
69.1%	1,750	2,000	250	14.3%
70.4%	1,662	2,000	338	20.3%
71.6%	1,526	1,817	290	19.0%
72.8%	1,500	1,750	250	16.7%
74.1%	1,500	1,750	250	16.7%
75.3%	1,500	1,750	250	16.7%
76.5%	1,500	1,750	250	16.7%
77.8%	1,500	1,750	250	16.7%
79.0%	1,500	1,662	162	10.8%
80.2%	1,500	1,526	26	1.8%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,500	1,500	0	0.0%
90.1%	1,500	1,500	0	0.0%
91.4%	1,500	1,500	0	0.0%
92.6%	1,500	1,500	0	0.0%
93.8%	1,500	1,500	0	0.0%
95.1%	1,500	1,500	0	0.0%
96.3%	1,500	1,500	0	0.0%
97.5%	1,500	1,500	0	0.0%
98.8%	1,250	1,500	250	20.0%
100.0%	0	1,157	1,157	

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,150	3,300	150	4.8%
2.5%	2,883	3,300	417	14.5%
3.7%	2,832	3,285	453	16.0%
4.9%	2,787	3,250	463	16.6%
6.2%	2,529	3,039	510	20.2%
7.4%	2,518	2,574	56	2.2%
8.6%	2,500	2,529	29	1.2%
9.9%	2,500	2,518	18	0.7%
11.1%	2,500	2,500	0	0.0%
12.3%	2,406	2,500	94	3.9%
13.6%	2,255	2,500	245	10.9%
14.8%	2,234	2,500	266	11.9%
16.0%	2,216	2,500	284	12.8%
17.3%	2,033	2,500	467	23.0%
18.5%	2,029	2,218	188	9.3%
19.8%	2,000	2,059	59	2.9%
21.0%	2,000	2,000	0	0.0%
22.2%	2,000	2,000	0	0.0%
23.5%	2,000	2,000	0	0.0%
24.7%	2,000	2,000	0	0.0%
25.9%	2,000	2,000	0	0.0%
27.2%	2,000	2,000	0	0.0%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	2,000	0	0.0%
38.3%	2,000	2,000	0	0.0%
39.5%	2,000	2,000	0	0.0%
40.7%	2,000	2,000	0	0.0%
42.0%	1,753	2,000	247	14.1%
43.2%	1,750	2,000	250	14.3%
44.4%	1,750	1,956	206	11.8%
45.7%	1,674	1,867	193	11.5%
46.9%	1,617	1,750	133	8.2%
48.1%	1,500	1,750	250	16.7%
49.4%	1,500	1,750	250	16.7%
50.6%	1,500	1,750	250	16.7%
51.9%	1,500	1,750	250	16.7%
53.1%	1,500	1,750	250	16.7%
54.3%	1,500	1,750	250	16.7%
55.6%	1,500	1,750	250	16.7%
56.8%	1,500	1,750	250	16.7%
58.0%	1,500	1,750	250	16.7%
59.3%	1,500	1,750	250	16.7%
60.5%	1,500	1,750	250	16.7%
61.7%	1,500	1,750	250	16.7%
63.0%	1,500	1,630	130	8.7%
64.2%	1,500	1,522	22	1.5%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,500	0	0.0%
72.8%	1,500	1,500	0	0.0%
74.1%	1,500	1,500	0	0.0%
75.3%	1,500	1,500	0	0.0%
76.5%	1,375	1,000	-375	-27.3%
77.8%	1,241	1,000	-241	-19.4%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	1,000	0	0.0%
88.9%	1,000	1,000	0	0.0%
90.1%	1,000	1,000	0	0.0%
91.4%	1,000	1,000	0	0.0%
92.6%	1,000	1,000	0	0.0%
93.8%	1,000	1,000	0	0.0%
95.1%	1,000	1,000	0	0.0%
96.3%	750	571	-179	-23.9%
97.5%	750	250	-500	-66.7%
98.8%	250	39	-211	-84.2%
100.0%	39	0	-39	

Figure SW-06-b
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Probability of Exceedance

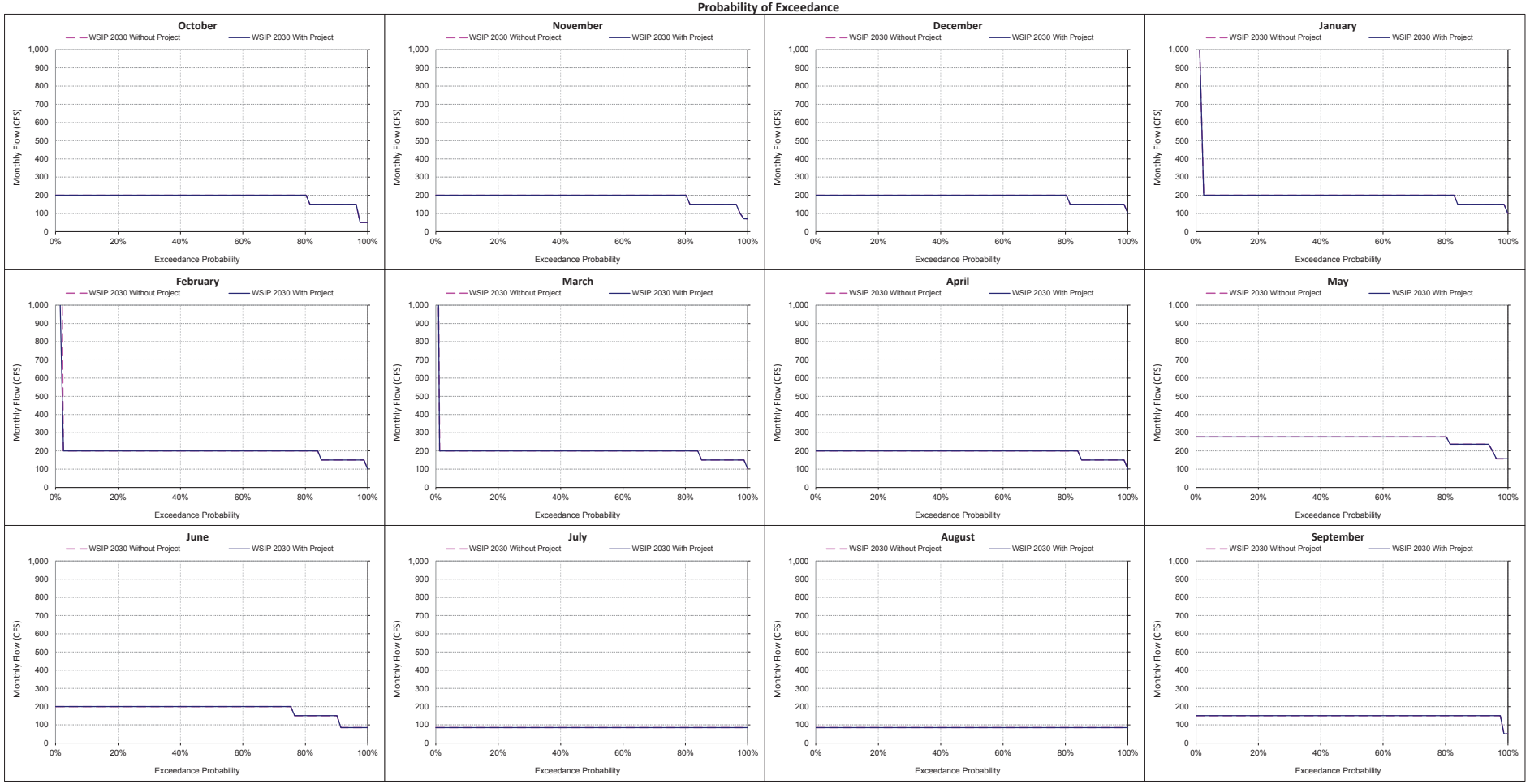


Table SW-06-b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	50	50	0	0.0%
98.8%	50	50	0	0.0%
100.0%	50	50	0	0.0%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	100	100	0	0.0%
98.8%	70	70	0	0.0%
100.0%	70	70	0	0.0%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	100	100	0	0.0%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,049	2,049	0	0.0%
1.2%	987	987	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	100	100	0	0.0%

Table SW-06-b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	2,963	1,154	-1,810	-61.1%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	100	100	0	0.0%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	100	100	0	0.0%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	200	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	100	100	0	0.0%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	277	277	0	0.0%
1.2%	277	277	0	0.0%
2.5%	277	277	0	0.0%
3.7%	277	277	0	0.0%
4.9%	277	277	0	0.0%
6.2%	277	277	0	0.0%
7.4%	277	277	0	0.0%
8.6%	277	277	0	0.0%
9.9%	277	277	0	0.0%
11.1%	277	277	0	0.0%
12.3%	277	277	0	0.0%
13.6%	277	277	0	0.0%
14.8%	277	277	0	0.0%
16.0%	277	277	0	0.0%
17.3%	277	277	0	0.0%
18.5%	277	277	0	0.0%
19.8%	277	277	0	0.0%
21.0%	277	277	0	0.0%
22.2%	277	277	0	0.0%
23.5%	277	277	0	0.0%
24.7%	277	277	0	0.0%
25.9%	277	277	0	0.0%
27.2%	277	277	0	0.0%
28.4%	277	277	0	0.0%
29.6%	277	277	0	0.0%
30.9%	277	277	0	0.0%
32.1%	277	277	0	0.0%
33.3%	277	277	0	0.0%
34.6%	277	277	0	0.0%
35.8%	277	277	0	0.0%
37.0%	277	277	0	0.0%
38.3%	277	277	0	0.0%
39.5%	277	277	0	0.0%
40.7%	277	277	0	0.0%
42.0%	277	277	0	0.0%
43.2%	277	277	0	0.0%
44.4%	277	277	0	0.0%
45.7%	277	277	0	0.0%
46.9%	277	277	0	0.0%
48.1%	277	277	0	0.0%
49.4%	277	277	0	0.0%
50.6%	277	277	0	0.0%
51.9%	277	277	0	0.0%
53.1%	277	277	0	0.0%
54.3%	277	277	0	0.0%
55.6%	277	277	0	0.0%
56.8%	277	277	0	0.0%
58.0%	277	277	0	0.0%
59.3%	277	277	0	0.0%
60.5%	277	277	0	0.0%
61.7%	277	277	0	0.0%
63.0%	277	277	0	0.0%
64.2%	277	277	0	0.0%
65.4%	277	277	0	0.0%
66.7%	277	277	0	0.0%
67.9%	277	277	0	0.0%
69.1%	277	277	0	0.0%
70.4%	277	277	0	0.0%
71.6%	277	277	0	0.0%
72.8%	277	277	0	0.0%
74.1%	277	277	0	0.0%
75.3%	277	277	0	0.0%
76.5%	277	277	0	0.0%
77.8%	277	277	0	0.0%
79.0%	277	277	0	0.0%
80.2%	277	277	0	0.0%
81.5%	237	237	0	0.0%
82.7%	237	237	0	0.0%
84.0%	237	237	0	0.0%
85.2%	237	237	0	0.0%
86.4%	237	237	0	0.0%
87.7%	237	237	0	0.0%
88.9%	237	237	0	0.0%
90.1%	237	237	0	0.0%
91.4%	237	237	0	0.0%
92.6%	237	237	0	0.0%
93.8%	237	237	0	0.0%
95.1%	200	200	0	0.0%
96.3%	156	156	0	0.0%
97.5%	156	156	0	0.0%
98.8%	156	156	0	0.0%
100.0%	156	156	0	0.0%

Table SW-06-b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85	85	0	0.0%
1.2%	85	85	0	0.0%
2.5%	85	85	0	0.0%
3.7%	85	85	0	0.0%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85	85	0	0.0%
1.2%	85	85	0	0.0%
2.5%	85	85	0	0.0%
3.7%	85	85	0	0.0%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	150	150	0	0.0%
1.2%	150	150	0	0.0%
2.5%	150	150	0	0.0%
3.7%	150	150	0	0.0%
4.9%	150	150	0	0.0%
6.2%	150	150	0	0.0%
7.4%	150	150	0	0.0%
8.6%	150	150	0	0.0%
9.9%	150	150	0	0.0%
11.1%	150	150	0	0.0%
12.3%	150	150	0	0.0%
13.6%	150	150	0	0.0%
14.8%	150	150	0	0.0%
16.0%	150	150	0	0.0%
17.3%	150	150	0	0.0%
18.5%	150	150	0	0.0%
19.8%	150	150	0	0.0%
21.0%	150	150	0	0.0%
22.2%	150	150	0	0.0%
23.5%	150	150	0	0.0%
24.7%	150	150	0	0.0%
25.9%	150	150	0	0.0%
27.2%	150	150	0	0.0%
28.4%	150	150	0	0.0%
29.6%	150	150	0	0.0%
30.9%	150	150	0	0.0%
32.1%	150	150	0	0.0%
33.3%	150	150	0	0.0%
34.6%	150	150	0	0.0%
35.8%	150	150	0	0.0%
37.0%	150	150	0	0.0%
38.3%	150	150	0	0.0%
39.5%	150	150	0	0.0%
40.7%	150	150	0	0.0%
42.0%	150	150	0	0.0%
43.2%	150	150	0	0.0%
44.4%	150	150	0	0.0%
45.7%	150	150	0	0.0%
46.9%	150	150	0	0.0%
48.1%	150	150	0	0.0%
49.4%	150	150	0	0.0%
50.6%	150	150	0	0.0%
51.9%	150	150	0	0.0%
53.1%	150	150	0	0.0%
54.3%	150	150	0	0.0%
55.6%	150	150	0	0.0%
56.8%	150	150	0	0.0%
58.0%	150	150	0	0.0%
59.3%	150	150	0	0.0%
60.5%	150	150	0	0.0%
61.7%	150	150	0	0.0%
63.0%	150	150	0	0.0%
64.2%	150	150	0	0.0%
65.4%	150	150	0	0.0%
66.7%	150	150	0	0.0%
67.9%	150	150	0	0.0%
69.1%	150	150	0	0.0%
70.4%	150	150	0	0.0%
71.6%	150	150	0	0.0%
72.8%	150	150	0	0.0%
74.1%	150	150	0	0.0%
75.3%	150	150	0	0.0%
76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	50	50	0	0.0%
100.0%	50	50	0	0.0%

Figure SW-07-b
Shasta Lake, End of Month Storage
Probability of Exceedance

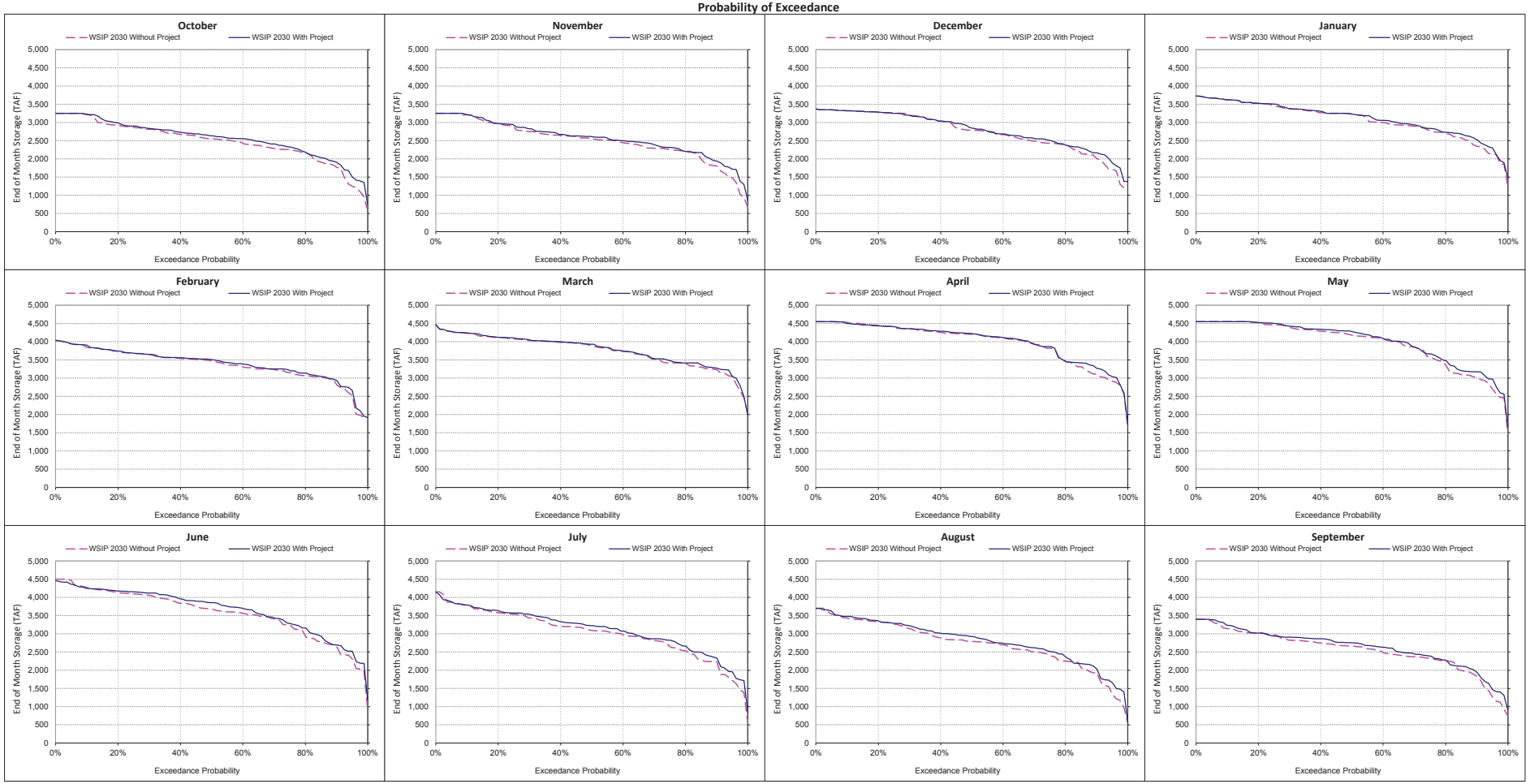


Table SW-07-b

Shasta Lake, End of Month Storage
Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,250	3,250	0	0.0%
1.2%	3,250	3,250	0	0.0%
2.5%	3,250	3,250	0	0.0%
3.7%	3,250	3,250	0	0.0%
4.9%	3,250	3,250	0	0.0%
6.2%	3,250	3,250	0	0.0%
7.4%	3,250	3,249	-1	0.0%
8.6%	3,232	3,248	16	0.5%
9.9%	3,215	3,231	15	0.5%
11.1%	3,200	3,215	15	0.5%
12.3%	3,133	3,214	81	2.6%
13.6%	2,994	3,175	181	6.0%
14.8%	2,992	3,095	103	3.4%
16.0%	2,962	3,046	84	2.8%
17.3%	2,940	3,031	91	3.1%
18.5%	2,934	3,010	76	2.6%
19.8%	2,910	2,994	84	2.9%
21.0%	2,904	2,952	48	1.7%
22.2%	2,889	2,912	23	0.8%
23.5%	2,884	2,903	19	0.7%
24.7%	2,863	2,899	36	1.3%
25.9%	2,857	2,899	42	1.5%
27.2%	2,849	2,868	19	0.7%
28.4%	2,814	2,855	41	1.5%
29.6%	2,813	2,836	24	0.8%
30.9%	2,811	2,828	16	0.6%
32.1%	2,799	2,817	18	0.6%
33.3%	2,780	2,809	29	1.0%
34.6%	2,745	2,793	48	1.8%
35.8%	2,709	2,792	83	3.1%
37.0%	2,708	2,784	76	2.8%
38.3%	2,701	2,751	50	1.9%
39.5%	2,679	2,735	56	2.1%
40.7%	2,663	2,722	59	2.2%
42.0%	2,660	2,705	44	1.7%
43.2%	2,649	2,700	51	1.9%
44.4%	2,641	2,689	48	1.8%
45.7%	2,597	2,684	86	3.3%
46.9%	2,585	2,664	78	3.0%
48.1%	2,564	2,658	95	3.7%
49.4%	2,554	2,637	83	3.2%
50.6%	2,553	2,629	77	3.0%
51.9%	2,539	2,609	70	2.8%
53.1%	2,529	2,608	79	3.1%
54.3%	2,519	2,583	64	2.5%
55.6%	2,515	2,567	53	2.1%
56.8%	2,493	2,567	74	3.0%
58.0%	2,467	2,561	95	3.8%
59.3%	2,456	2,560	103	4.2%
60.5%	2,407	2,553	145	6.0%
61.7%	2,398	2,538	141	5.9%
63.0%	2,389	2,525	136	5.7%
64.2%	2,374	2,485	111	4.7%
65.4%	2,371	2,476	105	4.4%
66.7%	2,320	2,461	142	6.1%
67.9%	2,320	2,429	110	4.7%
69.1%	2,299	2,407	108	4.7%
70.4%	2,278	2,405	127	5.6%
71.6%	2,268	2,370	102	4.5%
72.8%	2,260	2,365	104	4.6%
74.1%	2,260	2,338	78	3.5%
75.3%	2,249	2,323	73	3.3%
76.5%	2,229	2,297	68	3.1%
77.8%	2,210	2,267	57	2.6%
79.0%	2,176	2,218	42	2.0%
80.2%	2,166	2,173	7	0.3%
81.5%	2,124	2,108	-16	-0.7%
82.7%	2,006	2,093	87	4.3%
84.0%	1,938	2,057	118	6.1%
85.2%	1,908	2,031	123	6.5%
86.4%	1,869	2,012	144	7.7%
87.7%	1,864	1,956	92	4.9%
88.9%	1,830	1,939	110	6.0%
90.1%	1,766	1,901	135	7.7%
91.4%	1,735	1,824	89	5.1%
92.6%	1,473	1,693	220	15.0%
93.8%	1,308	1,677	370	28.3%
95.1%	1,246	1,503	257	20.6%
96.3%	1,209	1,419	210	17.3%
97.5%	1,100	1,394	294	26.7%
98.8%	957	1,352	395	41.3%
100.0%	585	750	165	28.1%

November				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,252	3,252	0	0.0%
1.2%	3,252	3,252	0	0.0%
2.5%	3,252	3,252	0	0.0%
3.7%	3,252	3,252	0	0.0%
4.9%	3,252	3,252	0	0.0%
6.2%	3,252	3,252	0	0.0%
7.4%	3,252	3,252	0	0.0%
8.6%	3,211	3,252	41	1.3%
9.9%	3,210	3,214	5	0.1%
11.1%	3,200	3,209	9	0.3%
12.3%	3,174	3,160	-13	-0.4%
13.6%	3,098	3,144	46	1.5%
14.8%	3,068	3,132	64	2.1%
16.0%	3,015	3,063	48	1.6%
17.3%	3,002	3,044	42	1.4%
18.5%	2,986	2,981	-5	-0.2%
19.8%	2,970	2,975	5	0.2%
21.0%	2,949	2,961	13	0.4%
22.2%	2,920	2,960	40	1.4%
23.5%	2,916	2,951	35	1.2%
24.7%	2,905	2,940	35	1.2%
25.9%	2,788	2,869	82	2.9%
27.2%	2,779	2,863	84	3.0%
28.4%	2,775	2,862	86	3.1%
29.6%	2,750	2,828	78	2.8%
30.9%	2,749	2,824	75	2.7%
32.1%	2,739	2,757	17	0.6%
33.3%	2,701	2,755	54	2.0%
34.6%	2,682	2,745	63	2.3%
35.8%	2,672	2,745	73	2.7%
37.0%	2,653	2,728	74	2.8%
38.3%	2,653	2,722	69	2.6%
39.5%	2,649	2,670	22	0.8%
40.7%	2,638	2,670	32	1.2%
42.0%	2,627	2,652	25	0.9%
43.2%	2,624	2,630	6	0.2%
44.4%	2,623	2,628	5	0.2%
45.7%	2,587	2,628	41	1.6%
46.9%	2,574	2,621	47	1.8%
48.1%	2,573	2,615	42	1.6%
49.4%	2,563	2,614	51	2.0%
50.6%	2,544	2,603	59	2.3%
51.9%	2,528	2,596	67	2.7%
53.1%	2,523	2,594	71	2.8%
54.3%	2,516	2,590	75	3.0%
55.6%	2,514	2,545	31	1.2%
56.8%	2,500	2,517	17	0.7%
58.0%	2,500	2,517	17	0.7%
59.3%	2,454	2,500	46	1.9%
60.5%	2,434	2,492	58	2.4%
61.7%	2,425	2,482	56	2.3%
63.0%	2,405	2,478	73	3.1%
64.2%	2,398	2,465	67	2.8%
65.4%	2,372	2,461	89	3.7%
66.7%	2,330	2,442	112	4.8%
67.9%	2,297	2,440	143	6.2%
69.1%	2,294	2,417	123	5.4%
70.4%	2,289	2,376	88	3.8%
71.6%	2,286	2,344	58	2.5%
72.8%	2,285	2,323	38	1.7%
74.1%	2,269	2,315	46	2.0%
75.3%	2,251	2,314	63	2.8%
76.5%	2,239	2,302	63	2.8%
77.8%	2,231	2,282	51	2.3%
79.0%	2,218	2,224	6	0.3%
80.2%	2,213	2,203	-9	-0.4%
81.5%	2,204	2,188	-16	-0.7%
82.7%	2,166	2,179	13	0.6%
84.0%	2,138	2,172	34	1.6%
85.2%	1,980	2,172	192	9.7%
86.4%	1,861	2,061	199	10.7%
87.7%	1,833	2,020	187	10.2%
88.9%	1,816	1,955	139	7.7%
90.1%	1,806	1,938	132	7.3%
91.4%	1,662	1,890	228	13.7%
92.6%	1,606	1,795	188	11.7%
93.8%	1,509	1,774	264	17.5%
95.1%	1,480	1,717	237	16.0%
96.3%	1,342	1,709	367	27.4%
97.5%	1,026	1,391	366	35.6%
98.8%	940	1,292	352	37.4%
100.0%	670	846	176	26.3%

December				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,368	3,368	0	0.0%
1.2%	3,350	3,350	0	0.0%
2.5%	3,349	3,349	0	0.0%
3.7%	3,349	3,349	0	0.0%
4.9%	3,347	3,347	0	0.0%
6.2%	3,346	3,338	-8	-0.2%
7.4%	3,338	3,328	-10	-0.3%
8.6%	3,328	3,328	0	0.0%
9.9%	3,322	3,322	0	0.0%
11.1%	3,319	3,319	0	0.0%
12.3%	3,317	3,317	0	0.0%
13.6%	3,310	3,310	0	0.0%
14.8%	3,306	3,306	0	0.0%
16.0%	3,294	3,294	0	0.0%
17.3%	3,293	3,293	0	0.0%
18.5%	3,291	3,291	0	0.0%
19.8%	3,285	3,285	0	0.0%
21.0%	3,276	3,276	0	0.0%
22.2%	3,271	3,267	-4	-0.1%
23.5%	3,267	3,265	-2	-0.1%
24.7%	3,265	3,252	-13	-0.4%
25.9%	3,252	3,252	0	0.0%
27.2%	3,252	3,252	0	0.0%
28.4%	3,252	3,204	-48	-1.5%
29.6%	3,215	3,197	-18	-0.5%
30.9%	3,190	3,172	-18	-0.6%
32.1%	3,182	3,168	-14	-0.4%
33.3%	3,167	3,158	-8	-0.3%
34.6%	3,150	3,143	-7	-0.2%
35.8%	3,095	3,086	-9	-0.3%
37.0%	3,083	3,084	1	0.0%
38.3%	3,052	3,073	20	0.7%
39.5%	3,046	3,035	-11	-0.4%
40.7%	3,027	3,033	6	0.2%
42.0%	3,019	3,021	2	0.1%
43.2%	2,992	3,020	29	1.0%
44.4%	2,876	2,975	99	3.4%
45.7%	2,826	2,968	143	5.0%
46.9%	2,812	2,954	142	5.1%
48.1%	2,793	2,918	125	4.5%
49.4%	2,787	2,855	68	2.4%
50.6%	2,786	2,838	52	1.9%
51.9%	2,785	2,817	32	1.1%
53.1%	2,769	2,811	42	1.5%
54.3%	2,769	2,786	17	0.6%
55.6%	2,758	2,736	-22	-0.8%
56.8%	2,742	2,724	-18	-0.7%
58.0%	2,665	2,696	31	1.2%
59.3%	2,665	2,689	24	0.9%
60.5%	2,664	2,686	22	0.8%
61.7%	2,637	2,657	20	0.8%
63.0%	2,614	2,644	30	1.1%
64.2%	2,587	2,638	51	2.0%
65.4%	2,551	2,626	75	2.9%
66.7%	2,542	2,586	45	1.8%
67.9%	2,522	2,580	58	2.3%
69.1%	2,493	2,579	86	3.4%
70.4%	2,488	2,554	66	2.7%
71.6%	2,457	2,552	95	3.9%
72.8%	2,441	2,550	109	4.5%
74.1%	2,431	2,524	93	3.8%
75.3%	2,429	2,500	71	2.9%
76.5%	2,425	2,463	38	1.6%
77.8%	2,411	2,420	9	0.4%
79.0%	2,395	2,415	20	0.8%
80.2%	2,386	2,373	-13	-0.6%
81.5%	2,326	2,350	24	1.0%
82.7%	2,250	2,332	82	3.6%
84.0%	2,246	2,329	83	3.7%
85.2%	2,137	2,296	159	7.4%
86.4%	2,129	2,263	134	6.3%
87.7%	2,119	2,210	90	4.3%
88.9%	2,104	2,169	65	3.1%
90.1%	2,005	2,167	162	8.1%
91.4%	1,967	2,131	164	8.3%
92.6%	1,850	2,109	260	14.0%
93.8%	1,725	2,018	293	17.0%
95.1%	1,712	1,878	166	9.7%
96.3%	1,673	1,812	139	8.3%
97.5%	1,297	1,754	457	35.2%
98.8%	1,201	1,380	180	15.0%
100.0%	1,113	1,379	266	23.9%

January				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,725	3,725	0	0.0%
1.2%	3,723	3,723	0	0.0%
2.5%	3,698	3,698	0	0.0%
3.7%	3,678	3,678	0	0.0%
4.9%	3,668	3,668	0	0.0%
6.2%	3,668	3,668	0	0.0%
7.4%	3,650	3,650	0	0.0%
8.6%	3,640	3,640	0	0.0%
9.9%	3,624	3,624	0	0.0%
11.1%	3,622	3,622	0	0.0%
12.3%	3,616	3,616	0	0.0%
13.6%	3,604	3,604	0	0.0%
14.8%	3,552	3,552	0	0.0%
16.0%	3,552	3,552	0	0.0%
17.3%	3,551	3,551	0	0.0%
18.5%	3,531	3,531	0	0.0%
19.8%	3,528	3,528	0	0.0%
21.0%	3,515	3,523	8	0.2%
22.2%	3,515	3,515	0	0.0%
23.5%	3,500	3,515	15	0.4%
24.7%	3,465	3,507	42	1.2%
25.9%	3,438	3,500	62	1.8%
27.2%	3,419	3,440	22	0.6%
28.4%	3,389	3,419	30	0.9%
29.6%	3,371	3,389	18	0.5%
30.9%	3,368	3,371	3	0.1%
32.1%	3,366	3,368	2	0.1%
33.3%	3,358	3,366	8	0.2%
34.6%	3,339	3,358	20	0.6%
35.8%	3,321	3,339	18	0.5%
37.0%	3,317	3,332	15	0.5%
38.3%	3,310	3,321	11	0.3%
39.5%	3,271	3,317	46	1.4%
40.7%	3,270	3,292	22	0.7%
42.0%	3,252	3,252	0	0.0%
43.2%	3,252	3,252	0	0.0%
44.4%	3,252	3,252	0	0.0%
45.7%	3,252	3,252	0	0.0%
46.9%	3,252	3,252	0	0.0%
48.1%	3,249	3,250	1	0.0%
49.4%	3,237	3,243	6	0.2%
50.6%	3,210	3,224	14	0.4%
51.9%	3,205	3,204	-2	0.0%
53.1%	3,199	3,196	-3	-0.1%
54.3%	3,156	3,188	32	1.0%
55.6%	3,022	3,188	166	5.5%
56.8%	3,011	3,113	101	3.4%
58.0%	3,007	3,066	59	2.0%
59.3%	2,997	3,058	61	2.0%
60.5%	2,995	3,056	61	2.0%
61.7%	2,960	3,048	88	3.0%
63.0%	2,942	3,022	80	2.7%
64.2%	2,934	3,007	73	2.5%
65.4%	2,930	2,981	50	1.7%
66.7%	2,920	2,967	47	1.6%
67.9%	2,917	2,966	49	1.7%
69.1%	2,899	2,945	46	1.6%
70.4%	2,898	2,926	29	1.0%
71.6%	2,866	2,899	33	1.1%
72.8%	2,849	2,867	19	0.7%
74.1%	2,806	2,834	28	1.0%
75.3%	2,749	2,834	85	3.1%
76.5%	2,741	2,823	82	3.0%
77.8%	2,732	2,783	50	1.8%
79.0%	2,727	2,738	12	0.4%
80.2%	2,693	2,731	37	1.4%
81.5%	2,671	2,722	51	1.9%
82.7%	2,607	2,710	104	4.0%
84.0%	2,585	2,697	112	4.4%
85.2%	2,572	2,677	104	4.0%
86.4%	2,518	2,637	119	4.7%
87.7%	2,509	2,625	116	4.6%
88.9%	2,383	2,577	194	8.2%
90.1%	2,342	2,524	182	7.8%
91.4%	2,335	2,437	102	4.4%
92.6%	2,265	2,385	120	5.3%
93.8%	2,145	2,333	188	8.8%
95.1%	2,129	2,299	170	8.0%
96.3%	2,118	2,109	-9	-0.4%
97.5%	1,860	1,952	92	5.0%
98.8%	1,853	1,897	44	2.4%
100.0%	1,216	1,473	257	21.2%

Table SW-07-b

Shasta Lake, End of Month Storage

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,037	4,037	0	0.0%
1.2%	4,022	4,022	0	0.0%
2.5%	4,005	4,005	0	0.0%
3.7%	3,982	3,982	0	0.0%
4.9%	3,944	3,944	0	0.0%
6.2%	3,926	3,926	0	0.0%
7.4%	3,920	3,920	0	0.0%
8.6%	3,914	3,914	0	0.0%
9.9%	3,848	3,912	64	1.7%
11.1%	3,831	3,848	17	0.5%
12.3%	3,827	3,831	3	0.1%
13.6%	3,826	3,826	0	0.0%
14.8%	3,794	3,794	0	0.0%
16.0%	3,789	3,789	0	0.0%
17.3%	3,777	3,777	0	0.0%
18.5%	3,743	3,757	14	0.4%
19.8%	3,739	3,743	4	0.1%
21.0%	3,705	3,739	34	0.9%
22.2%	3,698	3,705	7	0.2%
23.5%	3,694	3,694	0	0.0%
24.7%	3,685	3,685	0	0.0%
25.9%	3,675	3,675	0	0.0%
27.2%	3,675	3,675	0	0.0%
28.4%	3,661	3,661	0	0.0%
29.6%	3,654	3,654	0	0.0%
30.9%	3,652	3,636	-16	-0.4%
32.1%	3,636	3,603	-33	-0.9%
33.3%	3,588	3,588	0	0.0%
34.6%	3,570	3,570	0	0.0%
35.8%	3,567	3,569	2	0.1%
37.0%	3,565	3,567	2	0.0%
38.3%	3,560	3,567	7	0.2%
39.5%	3,544	3,561	17	0.5%
40.7%	3,539	3,560	21	0.6%
42.0%	3,539	3,547	8	0.2%
43.2%	3,530	3,540	10	0.3%
44.4%	3,516	3,539	23	0.6%
45.7%	3,503	3,530	27	0.8%
46.9%	3,498	3,522	24	0.7%
48.1%	3,496	3,521	25	0.7%
49.4%	3,480	3,516	36	1.0%
50.6%	3,462	3,503	41	1.2%
51.9%	3,431	3,480	49	1.4%
53.1%	3,423	3,462	39	1.1%
54.3%	3,371	3,431	60	1.8%
55.6%	3,358	3,423	65	1.9%
56.8%	3,356	3,412	55	1.6%
58.0%	3,348	3,395	47	1.4%
59.3%	3,333	3,392	59	1.8%
60.5%	3,292	3,381	89	2.7%
61.7%	3,288	3,367	79	2.4%
63.0%	3,282	3,328	46	1.4%
64.2%	3,252	3,292	40	1.2%
65.4%	3,252	3,288	36	1.1%
66.7%	3,252	3,282	30	0.9%
67.9%	3,252	3,252	0	0.0%
69.1%	3,252	3,252	0	0.0%
70.4%	3,229	3,252	23	0.7%
71.6%	3,208	3,252	44	1.4%
72.8%	3,206	3,252	46	1.4%
74.1%	3,158	3,236	78	2.5%
75.3%	3,147	3,203	56	1.8%
76.5%	3,104	3,192	88	2.8%
77.8%	3,091	3,149	58	1.9%
79.0%	3,072	3,142	70	2.3%
80.2%	3,067	3,138	70	2.3%
81.5%	3,056	3,096	40	1.3%
82.7%	3,043	3,080	37	1.2%
84.0%	3,037	3,062	25	0.8%
85.2%	3,028	3,047	19	0.6%
86.4%	3,008	3,033	24	0.8%
87.7%	2,993	2,979	-14	-0.5%
88.9%	2,972	2,974	2	0.1%
90.1%	2,808	2,933	125	4.5%
91.4%	2,740	2,766	26	1.0%
92.6%	2,699	2,757	58	2.1%
93.8%	2,599	2,749	150	5.8%
95.1%	2,521	2,659	138	5.5%
96.3%	2,012	2,178	166	8.3%
97.5%	1,982	2,103	121	6.1%
98.8%	1,921	1,951	30	1.6%
100.0%	1,887	1,921	34	1.8%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,462	4,462	0	0.0%
1.2%	4,347	4,347	0	0.0%
2.5%	4,339	4,339	0	0.0%
3.7%	4,292	4,292	0	0.0%
4.9%	4,280	4,280	0	0.0%
6.2%	4,256	4,256	0	0.0%
7.4%	4,248	4,252	4	0.1%
8.6%	4,246	4,248	2	0.0%
9.9%	4,229	4,246	17	0.4%
11.1%	4,226	4,229	3	0.1%
12.3%	4,224	4,226	2	0.0%
13.6%	4,162	4,218	56	1.3%
14.8%	4,147	4,174	27	0.6%
16.0%	4,142	4,162	20	0.5%
17.3%	4,136	4,142	6	0.1%
18.5%	4,121	4,136	15	0.4%
19.8%	4,118	4,121	3	0.1%
21.0%	4,116	4,118	2	0.1%
22.2%	4,106	4,116	10	0.2%
23.5%	4,083	4,111	29	0.7%
24.7%	4,076	4,106	30	0.7%
25.9%	4,071	4,086	15	0.4%
27.2%	4,064	4,080	16	0.4%
28.4%	4,062	4,071	9	0.2%
29.6%	4,033	4,062	29	0.7%
30.9%	4,030	4,033	3	0.1%
32.1%	4,022	4,030	8	0.2%
33.3%	4,022	4,022	0	0.0%
34.6%	4,014	4,022	8	0.2%
35.8%	4,010	4,014	4	0.1%
37.0%	4,000	4,010	10	0.2%
38.3%	4,000	4,000	0	0.0%
39.5%	3,985	4,000	15	0.4%
40.7%	3,980	3,993	13	0.3%
42.0%	3,976	3,980	4	0.1%
43.2%	3,976	3,976	0	0.0%
44.4%	3,965	3,965	0	0.0%
45.7%	3,953	3,963	10	0.3%
46.9%	3,940	3,953	13	0.3%
48.1%	3,937	3,940	3	0.1%
49.4%	3,901	3,931	30	0.8%
50.6%	3,873	3,927	54	1.4%
51.9%	3,846	3,873	27	0.7%
53.1%	3,834	3,856	22	0.6%
54.3%	3,831	3,842	12	0.3%
55.6%	3,823	3,835	12	0.3%
56.8%	3,756	3,773	17	0.5%
58.0%	3,748	3,763	15	0.4%
59.3%	3,743	3,756	13	0.3%
60.5%	3,738	3,732	-5	-0.1%
61.7%	3,729	3,729	0	0.0%
63.0%	3,679	3,718	39	1.1%
64.2%	3,661	3,688	27	0.7%
65.4%	3,657	3,652	-5	-0.1%
66.7%	3,653	3,640	-13	-0.4%
67.9%	3,600	3,621	21	0.6%
69.1%	3,534	3,553	19	0.5%
70.4%	3,504	3,534	30	0.9%
71.6%	3,503	3,532	29	0.8%
72.8%	3,435	3,527	92	2.7%
74.1%	3,417	3,504	87	2.5%
75.3%	3,417	3,474	58	1.7%
76.5%	3,416	3,435	19	0.6%
77.8%	3,416	3,428	12	0.4%
79.0%	3,416	3,417	1	0.0%
80.2%	3,393	3,417	24	0.7%
81.5%	3,337	3,416	79	2.4%
82.7%	3,331	3,416	85	2.5%
84.0%	3,305	3,416	111	3.3%
85.2%	3,302	3,361	59	1.8%
86.4%	3,262	3,310	48	1.5%
87.7%	3,248	3,300	52	1.6%
88.9%	3,246	3,290	45	1.4%
90.1%	3,231	3,271	40	1.2%
91.4%	3,137	3,237	100	3.2%
92.6%	3,133	3,232	100	3.2%
93.8%	3,059	3,222	163	5.3%
95.1%	3,049	3,047	-2	-0.1%
96.3%	2,826	2,997	171	6.1%
97.5%	2,653	2,794	142	5.3%
98.8%	2,458	2,492	34	1.4%
100.0%	2,008	1,975	-33	-1.6%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,552	4,552	0	0.0%
1.2%	4,552	4,552	0	0.0%
2.5%	4,552	4,552	0	0.0%
3.7%	4,552	4,552	0	0.0%
4.9%	4,552	4,552	0	0.0%
6.2%	4,546	4,552	6	0.1%
7.4%	4,543	4,546	3	0.1%
8.6%	4,536	4,543	8	0.2%
9.9%	4,534	4,498	-35	-0.8%
11.1%	4,507	4,491	-16	-0.4%
12.3%	4,506	4,482	-24	-0.5%
13.6%	4,505	4,479	-26	-0.6%
14.8%	4,491	4,459	-32	-0.7%
16.0%	4,479	4,456	-23	-0.5%
17.3%	4,462	4,456	-6	-0.1%
18.5%	4,456	4,438	-18	-0.4%
19.8%	4,454	4,434	-20	-0.5%
21.0%	4,434	4,429	-5	-0.1%
22.2%	4,422	4,425	3	0.1%
23.5%	4,420	4,422	2	0.0%
24.7%	4,412	4,412	0	0.0%
25.9%	4,367	4,402	35	0.8%
27.2%	4,366	4,367	1	0.0%
28.4%	4,356	4,366	10	0.2%
29.6%	4,355	4,358	3	0.1%
30.9%	4,344	4,355	11	0.3%
32.1%	4,335	4,347	11	0.3%
33.3%	4,305	4,342	37	0.8%
34.6%	4,301	4,334	33	0.8%
35.8%	4,290	4,310	20	0.5%
37.0%	4,289	4,303	14	0.3%
38.3%	4,271	4,301	30	0.7%
39.5%	4,259	4,290	31	0.7%
40.7%	4,243	4,289	46	1.1%
42.0%	4,232	4,277	45	1.1%
43.2%	4,230	4,259	30	0.7%
44.4%	4,227	4,255	28	0.7%
45.7%	4,217	4,247	30	0.7%
46.9%	4,217	4,244	27	0.6%
48.1%	4,215	4,231	16	0.4%
49.4%	4,204	4,227	23	0.6%
50.6%	4,203	4,217	14	0.3%
51.9%	4,196	4,204	8	0.2%
53.1%	4,173	4,173	0	0.0%
54.3%	4,143	4,156	13	0.3%
55.6%	4,137	4,151	14	0.3%
56.8%	4,126	4,137	11	0.3%
58.0%	4,117	4,137	20	0.5%
59.3%	4,109	4,120	12	0.3%
60.5%	4,094	4,109	15	0.4%
61.7%	4,074	4,096	22	0.5%
63.0%	4,067	4,094	27	0.7%
64.2%	4,058	4,074	16	0.4%
65.4%	4,033	4,058	25	0.6%
66.7%	4,024	4,033	9	0.2%
67.9%	3,973	4,026	53	1.3%
69.1%	3,972	3,949	-23	-0.6%
70.4%	3,922	3,926	4	0.1%
71.6%	3,918	3,889	-29	-0.7%
72.8%	3,861	3,867	7	0.2%
74.1%	3,821	3,867	45	1.2%
75.3%	3,819	3,863	43	1.1%
76.5%	3,808	3,821	14	0.4%
77.8%	3,554	3,580	25	0.7%
79.0%	3,517	3,510	-6	-0.2%
80.2%	3,454	3,442	-12	-0.4%
81.5%	3,437	3,437	0	0.0%
82.7%	3,378	3,429	51	1.5%
84.0%	3,313	3,427	114	3.4%
85.2%	3,313	3,416	103	3.1%
86.4%	3,227	3,407	180	5.6%
87.7%	3,165	3,364	199	6.3%
88.9%	3,116	3,337	222	7.1%
90.1%	3,116	3,263	148	4.7%
91.4%	3,030	3,244	214	7.1%
92.6%	3,021	3,192	172	5.7%
93.8%	2,958	3,089	131	4.4%
95.1%	2,917	3,037	120	4.1%
96.3%	2,879	3,019	141	4.9%
97.5%	2,804	2,815	11	0.4%
98.8%	2,559	2,592	34	1.3%
100.0%	1,619	1,724	105	6.5%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,552	4,552	0	0.0%
1.2%	4,552	4,552	0	0.0%
2.5%	4,552	4,552	0	0.0%
3.7%	4,552	4,552	0	0.0%
4.9%	4,552	4,552	0	0.0%
6.2%	4,552	4,552	0	0.0%
7.4%	4,552	4,552	0	0.0%
8.6%	4,552	4,552	0	0.0%
9.9%	4,552	4,552	0	0.0%
11.1%	4,552	4,552	0	0.0%
12.3%	4,552	4,552	0	0.0%
13.6%	4,552	4,552	0	0.0%
14.8%	4,552	4,552	0	0.0%
16.0%	4,552	4,552	0	0.0%
17.3%	4,537	4,551	14	0.3%
18.5%	4,532	4,538	6	0.1%
19.8%	4,524	4,529	5	0.1%
21.0%	4,500	4,523	23	0.5%
22.2%	4,471	4,515	44	1.0%
23.5%	4,470	4,511	42	0.9%
24.7%	4,460	4,511	51	1.1%
25.9%	4,458	4,494	36	0.8%
27.2%	4,456	4,484	27	0.6%
28.4%	4,443	4,448	6	0.1%
29.6%	4,401	4,430	29	0.7%
30.9%	4,377	4,422	45	1.0%
32.1%	4,348	4,410	61	1.4%
33.3%	4,338	4,408	70	1.6%
34.6%	4,332	4,369	37	0.8%
35.8%	4,332	4,354	22	0.5%
37.0%	4,327	4,353	26	0.6%
38.3%	4,319	4,347	28	0.7%
39.5%	4,294	4,341	48	1.1%
40.7%	4,287	4,337	50	1.2%
42.0%	4,275	4,332	57	1.3%
43.2%	4,261	4,327	66	1.5%
44.4%	4,251	4,316	65	1.5%
45.7%	4,249	4,303	55	1.3%
46.9%	4,240	4,302	62	1.5%
48.1%	4,217	4,291	75	1.8%
49.4%	4,194	4,291	97	2.3%
50.6%	4,163	4,264	101	2.4%
51.9%	4,154	4,247	93	2.2%
53.1%	4,151	4,222	70	1.7%
54.3%	4,135	4,196	60	1.5%
55.6%	4,130	4,189	59	1.4%
56.8%	4,111	4,137	26	0.6%
58.0%	4,108	4,134	27	0.6%
59.3%	4,089	4,115	26	0.6%
60.5%	4,058	4,067	10	0.2%
61.7%	4,025	4,063	38	0.9%
63.0%	4,009	4,019	10	0.2%
64.2%	3,999	4,016	17	0.4%
65.4%	3,982	4,011	28	0.7%
66.7%	3,896	3,992	95	2.4%
67.9%	3,867	3,968	102	2.6%
69.1%	3,866	3,880	14	0.4%
70.4%	3,840	3,847	7	0.2%
71.6%	3,804	3,803	0	0.0%
72.8%	3,767	3,715	-53	-1.4%
74.1%	3,598	3,667	69	1.9%
75.3%	3,569	3,666	98	2.7%
76.5%	3,519	3,621	102	2.9%
77.8%	3,477	3,570	93	2.7%
79.0%	3,455	3,502	47	1.3%
80.2%	3,336	3,472	137	4.1%
81.5%	3,154	3,354	200	6.3%
82.7%	3,142	3,332	190	6.1%
84.0%	3,122	3,238	116	3.7%
85.2%	3,093	3,201	108	3.5%
86.4%	3,084	3,191	106	3.5%
87.7%	3,077	3,179	102	3.3%
88.9%	3,040	3,177	138	4.5%
90.1%	2,998	3,175	176	5.9%
91.4%	2,958	3,168	210	7.1%
92.6%	2,930	3,064	134	4.6%
93.8%	2,859	2,977	118	4.1%
95.1%	2,694	2,974	280	10.4%
96.3%	2,568	2,751	183	7.1%
97.5%	2,471	2,587	117	4.7%
98.8%	2,459	2,567	108	4.4%
100.0%	1,485	1,657	171	11.5%

Table SW-07-b

Shasta Lake, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,500	4,460	-40	-0.9%
1.2%	4,500	4,431	-69	-1.5%
2.5%	4,500	4,422	-78	-1.7%
3.7%	4,500	4,417	-83	-1.8%
4.9%	4,471	4,365	-107	-2.4%
6.2%	4,324	4,339	14	0.3%
7.4%	4,318	4,288	-30	-0.7%
8.6%	4,300	4,286	-14	-0.3%
9.9%	4,274	4,244	-29	-0.7%
11.1%	4,257	4,244	-13	-0.3%
12.3%	4,231	4,235	4	0.1%
13.6%	4,210	4,230	20	0.5%
14.8%	4,205	4,229	23	0.5%
16.0%	4,199	4,214	15	0.3%
17.3%	4,172	4,194	22	0.5%
18.5%	4,152	4,190	38	0.9%
19.8%	4,148	4,174	26	0.6%
21.0%	4,119	4,173	53	1.3%
22.2%	4,117	4,167	50	1.2%
23.5%	4,104	4,154	50	1.2%
24.7%	4,097	4,153	55	1.4%
25.9%	4,093	4,151	58	1.4%
27.2%	4,081	4,140	60	1.5%
28.4%	4,072	4,128	56	1.4%
29.6%	4,059	4,119	60	1.5%
30.9%	4,047	4,117	70	1.7%
32.1%	4,000	4,116	116	2.9%
33.3%	3,978	4,080	102	2.6%
34.6%	3,966	4,079	112	2.8%
35.8%	3,955	4,063	109	2.7%
37.0%	3,914	4,037	123	3.1%
38.3%	3,886	4,015	129	3.3%
39.5%	3,841	3,973	132	3.4%
40.7%	3,834	3,947	113	3.0%
42.0%	3,833	3,916	83	2.2%
43.2%	3,807	3,913	106	2.8%
44.4%	3,768	3,909	141	3.7%
45.7%	3,724	3,891	167	4.5%
46.9%	3,702	3,889	187	5.1%
48.1%	3,696	3,870	174	4.7%
49.4%	3,686	3,858	172	4.7%
50.6%	3,665	3,855	190	5.2%
51.9%	3,632	3,841	209	5.7%
53.1%	3,627	3,780	153	4.2%
54.3%	3,606	3,772	167	4.6%
55.6%	3,602	3,742	139	3.9%
56.8%	3,599	3,731	132	3.7%
58.0%	3,595	3,724	130	3.6%
59.3%	3,578	3,714	136	3.8%
60.5%	3,553	3,685	132	3.7%
61.7%	3,531	3,663	132	3.7%
63.0%	3,525	3,657	132	3.7%
64.2%	3,517	3,575	58	1.6%
65.4%	3,486	3,540	54	1.6%
66.7%	3,467	3,527	60	1.7%
67.9%	3,467	3,465	-3	-0.1%
69.1%	3,423	3,463	40	1.2%
70.4%	3,401	3,427	26	0.8%
71.6%	3,384	3,421	38	1.1%
72.8%	3,257	3,385	128	3.9%
74.1%	3,241	3,301	60	1.8%
75.3%	3,229	3,280	51	1.6%
76.5%	3,128	3,246	118	3.8%
77.8%	3,115	3,227	112	3.6%
79.0%	3,102	3,166	65	2.1%
80.2%	2,906	3,158	253	8.7%
81.5%	2,873	3,031	158	5.5%
82.7%	2,872	2,997	125	4.3%
84.0%	2,795	2,971	176	6.3%
85.2%	2,788	2,929	141	5.1%
86.4%	2,739	2,810	71	2.6%
87.7%	2,711	2,751	40	1.5%
88.9%	2,695	2,702	7	0.3%
90.1%	2,631	2,691	60	2.3%
91.4%	2,422	2,675	252	10.4%
92.6%	2,420	2,555	135	5.6%
93.8%	2,413	2,521	108	4.5%
95.1%	2,305	2,518	213	9.2%
96.3%	2,049	2,233	184	9.0%
97.5%	2,032	2,194	163	8.0%
98.8%	1,991	2,184	193	9.7%
100.0%	906	1,188	282	31.2%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,150	4,147	-3	-0.1%
1.2%	4,150	4,070	-80	-1.9%
2.5%	4,069	3,934	-135	-3.3%
3.7%	3,870	3,918	48	1.2%
4.9%	3,865	3,885	20	0.5%
6.2%	3,863	3,827	-36	-0.9%
7.4%	3,823	3,821	-2	-0.1%
8.6%	3,814	3,795	-19	-0.5%
9.9%	3,772	3,788	17	0.4%
11.1%	3,761	3,774	13	0.4%
12.3%	3,685	3,717	32	0.9%
13.6%	3,682	3,710	28	0.8%
14.8%	3,652	3,693	40	1.1%
16.0%	3,647	3,653	5	0.1%
17.3%	3,619	3,647	28	0.8%
18.5%	3,590	3,647	57	1.6%
19.8%	3,582	3,639	56	1.6%
21.0%	3,568	3,605	37	1.0%
22.2%	3,561	3,583	22	0.6%
23.5%	3,543	3,578	35	1.0%
24.7%	3,539	3,572	33	0.9%
25.9%	3,532	3,569	38	1.1%
27.2%	3,520	3,567	47	1.3%
28.4%	3,499	3,543	44	1.3%
29.6%	3,438	3,542	104	3.0%
30.9%	3,424	3,522	97	2.8%
32.1%	3,423	3,481	58	1.7%
33.3%	3,372	3,473	101	3.0%
34.6%	3,360	3,457	97	2.9%
35.8%	3,301	3,441	139	4.2%
37.0%	3,250	3,384	135	4.2%
38.3%	3,223	3,375	152	4.7%
39.5%	3,206	3,338	133	4.1%
40.7%	3,200	3,320	120	3.8%
42.0%	3,199	3,304	105	3.3%
43.2%	3,197	3,297	100	3.1%
44.4%	3,186	3,295	108	3.4%
45.7%	3,180	3,285	105	3.3%
46.9%	3,165	3,273	108	3.4%
48.1%	3,117	3,233	116	3.7%
49.4%	3,099	3,225	126	4.1%
50.6%	3,087	3,220	133	4.3%
51.9%	3,078	3,200	122	4.0%
53.1%	3,076	3,200	124	4.0%
54.3%	3,075	3,200	125	4.1%
55.6%	3,047	3,152	105	3.4%
56.8%	3,022	3,141	120	4.0%
58.0%	3,017	3,139	121	4.0%
59.3%	3,006	3,079	73	2.4%
60.5%	2,954	3,069	115	3.9%
61.7%	2,937	3,022	85	2.9%
63.0%	2,936	3,010	75	2.5%
64.2%	2,927	2,965	39	1.3%
65.4%	2,922	2,937	16	0.5%
66.7%	2,863	2,902	39	1.3%
67.9%	2,855	2,871	16	0.6%
69.1%	2,830	2,866	36	1.3%
70.4%	2,812	2,865	53	1.9%
71.6%	2,800	2,861	61	2.2%
72.8%	2,784	2,852	67	2.4%
74.1%	2,724	2,830	106	3.9%
75.3%	2,628	2,823	194	7.4%
76.5%	2,616	2,785	169	6.5%
77.8%	2,585	2,718	133	5.1%
79.0%	2,539	2,669	130	5.1%
80.2%	2,532	2,657	124	4.9%
81.5%	2,446	2,547	100	4.1%
82.7%	2,440	2,500	61	2.5%
84.0%	2,309	2,499	190	8.2%
85.2%	2,278	2,490	211	9.3%
86.4%	2,238	2,422	184	8.2%
87.7%	2,238	2,390	152	6.8%
88.9%	2,234	2,363	129	5.8%
90.1%	2,222	2,325	104	4.7%
91.4%	1,880	2,096	215	11.4%
92.6%	1,880	2,055	176	9.3%
93.8%	1,807	1,962	155	8.6%
95.1%	1,720	1,956	236	13.7%
96.3%	1,625	1,769	143	8.8%
97.5%	1,461	1,735	274	18.8%
98.8%	1,381	1,713	332	24.0%
100.0%	550	819	269	48.9%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,700	3,700	0	0.0%
1.2%	3,700	3,700	0	0.0%
2.5%	3,700	3,655	-45	-1.2%
3.7%	3,614	3,654	40	1.1%
4.9%	3,541	3,626	85	2.4%
6.2%	3,512	3,517	5	0.1%
7.4%	3,498	3,506	8	0.2%
8.6%	3,450	3,480	30	0.9%
9.9%	3,434	3,477	43	1.2%
11.1%	3,400	3,474	74	2.2%
12.3%	3,400	3,446	46	1.4%
13.6%	3,392	3,428	36	1.1%
14.8%	3,385	3,417	32	0.9%
16.0%	3,378	3,414	36	1.1%
17.3%	3,349	3,375	26	0.8%
18.5%	3,341	3,371	30	0.9%
19.8%	3,329	3,364	35	1.0%
21.0%	3,326	3,323	-3	-0.1%
22.2%	3,315	3,316	0	0.0%
23.5%	3,305	3,307	2	0.1%
24.7%	3,265	3,291	26	0.8%
25.9%	3,260	3,288	28	0.9%
27.2%	3,224	3,282	58	1.8%
28.4%	3,202	3,242	39	1.2%
29.6%	3,145	3,226	81	2.6%
30.9%	3,124	3,200	76	2.4%
32.1%	3,063	3,170	107	3.5%
33.3%	3,040	3,128	88	2.9%
34.6%	3,024	3,121	96	3.2%
35.8%	3,019	3,081	63	2.1%
37.0%	2,965	3,077	112	3.8%
38.3%	2,920	3,024	105	3.6%
39.5%	2,893	3,023	129	4.5%
40.7%	2,870	3,010	140	4.9%
42.0%	2,843	3,007	164	5.8%
43.2%	2,838	2,990	151	5.3%
44.4%	2,834	2,985	151	5.3%
45.7%	2,833	2,967	134	4.7%
46.9%	2,831	2,959	128	4.5%
48.1%	2,798	2,952	154	5.5%
49.4%	2,797	2,931	134	4.8%
50.6%	2,789	2,921	132	4.7%
51.9%	2,781	2,882	100	3.6%
53.1%	2,777	2,864	87	3.1%
54.3%	2,771	2,853	82	3.0%
55.6%	2,748	2,816	68	2.5%
56.8%	2,742	2,769	27	1.0%
58.0%	2,741	2,753	12	0.4%
59.3%	2,700	2,751	51	1.9%
60.5%	2,698	2,730	33	1.2%
61.7%	2,658	2,719	61	2.3%
63.0%	2,589	2,714	124	4.8%
64.2%	2,583	2,691	109	4.2%
65.4%	2,568	2,684	116	4.5%
66.7%	2,560	2,660	101	3.9%
67.9%	2,558	2,636	79	3.1%
69.1%	2,506	2,622	116	4.6%
70.4%	2,504	2,611	107	4.3%
71.6%	2,492	2,591	99	4.0%
72.8%	2,470	2,582	113	4.6%
74.1%	2,448	2,538	90	3.7%
75.3%	2,391	2,506	116	4.8%
76.5%	2,372	2,497	126	5.3%
77.8%	2,271	2,449	178	7.8%
79.0%	2,254	2,443	189	8.4%
80.2%	2,249	2,349	100	4.5%
81.5%	2,236	2,291	55	2.5%
82.7%	2,231	2,196	-36	-1.6%
84.0%	2,220	2,184	-37	-1.7%
85.2%	2,052	2,182	130	6.4%
86.4%	2,034	2,161	128	6.3%
87.7%	1,968	2,159	191	9.7%
88.9%	1,929	2,114	185	9.6%
90.1%	1,915	2,030	115	6.0%
91.4%	1,668	1,773	105	6.3%
92.6%	1,577	1,738	161	10.2%
93.8%	1,554	1,729	175	11.3%
95.1%	1,335	1,649	314	23.5%
96.3%	1,215	1,496	281	23.2%
97.5%	1,169	1,481	312	26.7%
98.8%	966	1,403	436	45.2%
100.0%	550	550	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,400	3,400	0	0.0%
1.2%	3,400	3,400	0	0.0%
2.5%	3,400	3,400	0	0.0%
3.7%	3,364	3,400	36	1.1%
4.9%	3,357	3,393	35	1.1%
6.2%	3,288	3,378	90	2.7%
7.4%	3,277	3,331	53	1.6%
8.6%	3,168	3,311	142	4.5%
9.9%	3,141	3,234	93	3.0%
11.1%	3,138	3,229	92	2.9%
12.3%	3,117	3,200	83	2.7%
13.6%	3,067	3,146	79	2.6%
14.8%	3,056	3,128	72	2.4%
16.0%	3,031	3,111	80	2.7%
17.3%	3,028	3,042	14	0.5%
18.5%	3,025	3,024	-1	0.0%
19.8%	3,025	3,020	-5	-0.2%
21.0%	3,023	3,020	-3	-0.1%
22.2%	3,007	2,999	-8	-0.3%
23.5%	2,985	2,954	-31	-1.0%
24.7%	2,970	2,941	-29	-1.0%
25.9%	2,959	2,928	-31	-1.1%
27.2%	2,885	2,919	34	1.2%
28.4%	2,871	2,910	38	1.3%
29.6%	2,826	2,909	83	2.9%
30.9%	2,820	2,907	87	3.1%
32.1%	2,820	2,902	82	2.9%
33.3%	2,815	2,899	85	3.0%
34.6%	2,805	2,885	80	2.9%
35.8%	2,792	2,875	83	3.0%
37.0%	2,783	2,870	87	3.1%
38.3%	2,768	2,865	97	3.5%
39.5%	2,746	2,864	118	4.3%
40.7%	2,742	2,862	120	4.4%
42.0%	2,725	2,849	124	4.6%
43.2%	2,721	2,831	110	4.0%
44.4%	2,697	2,781	84	3.1%
45.7%	2,688	2,762	74	2.7%
46.9%	2,675	2,760	86	3.2%
48.1%	2,671	2,757	86	3.2%
49.4%	2,659	2,756	97	3.7%
50.6%	2,658	2,746	88	3.3%
51.9%	2,644	2,743	100	3.8%
53.1%	2,641	2,725	83	3.2%
54.3%	2,598	2,681	83	3.2%
55.6%	2,582	2,678	96	3.7%
56.8%	2,581	2,663	82	3.2%
58.0%	2,532	2,650	119	4.7%
59.3%	2,520	2,637	118	4.7%
60.5%	2,470	2,628	158	6.4%
61.7%	2,450	2,606	156	6.4%
63.0%	2,439	2,606	167	6.9%
64.2%	2,426	2,516	91	3.7%
65.4%	2,408	2,498	90	3.7%
66.7%	2,404	2,478	75	3.1%
67.9%	2,376	2,471	94	4.0%
69.1%	2,370	2,468	98	4.1%
70.4%	2,368	2,437	69	2.9%
71.6%	2,365	2,436	71	3.0%
72.8%	2,350	2,415	64	2.7%
74.1%	2,333	2,401	68	2.9%
75.3%	2,321	2,386	65	2.8%
76.5%	2,299	2,321	22	0.9%
77.8%	2,274	2,313	39	1.7%
79.0%	2,264	2,288	24	1.1%
80.2%	2,253	2,269	16	0.7%
81.5%	2,243	2,148	-96	-4.3%
82.7%	2,213	2,129	-84	-3.8%
84.0%	2,016	2,115	99	4.9%
85.2%	1,991	2,111	120	6.0%
86.4%	1,961	2,100	139	7.1%
87.7%	1,950	2,052	101	5.2%
88.9%	1,892	2,012	120	6.3%
90.1%	1,831	1,933	102	5.6%
91.4%	1,708	1,797	89	5.2%
92.6%	1,499	1,696	197	13.2%
93.8%	1,441	1,634	193	13.4%
95.1%	1,258	1,464	206	16.4%
96.3%	1,152	1,410	259	22.5%
97.5%	1,124	1,403	279	24.8%
98.8%	925	1,308	383	41.4%
100.0%	742	902	160	21.5%

Figure SW-08-b
Shasta Lake, End of Month Elevation
Probability of Exceedance

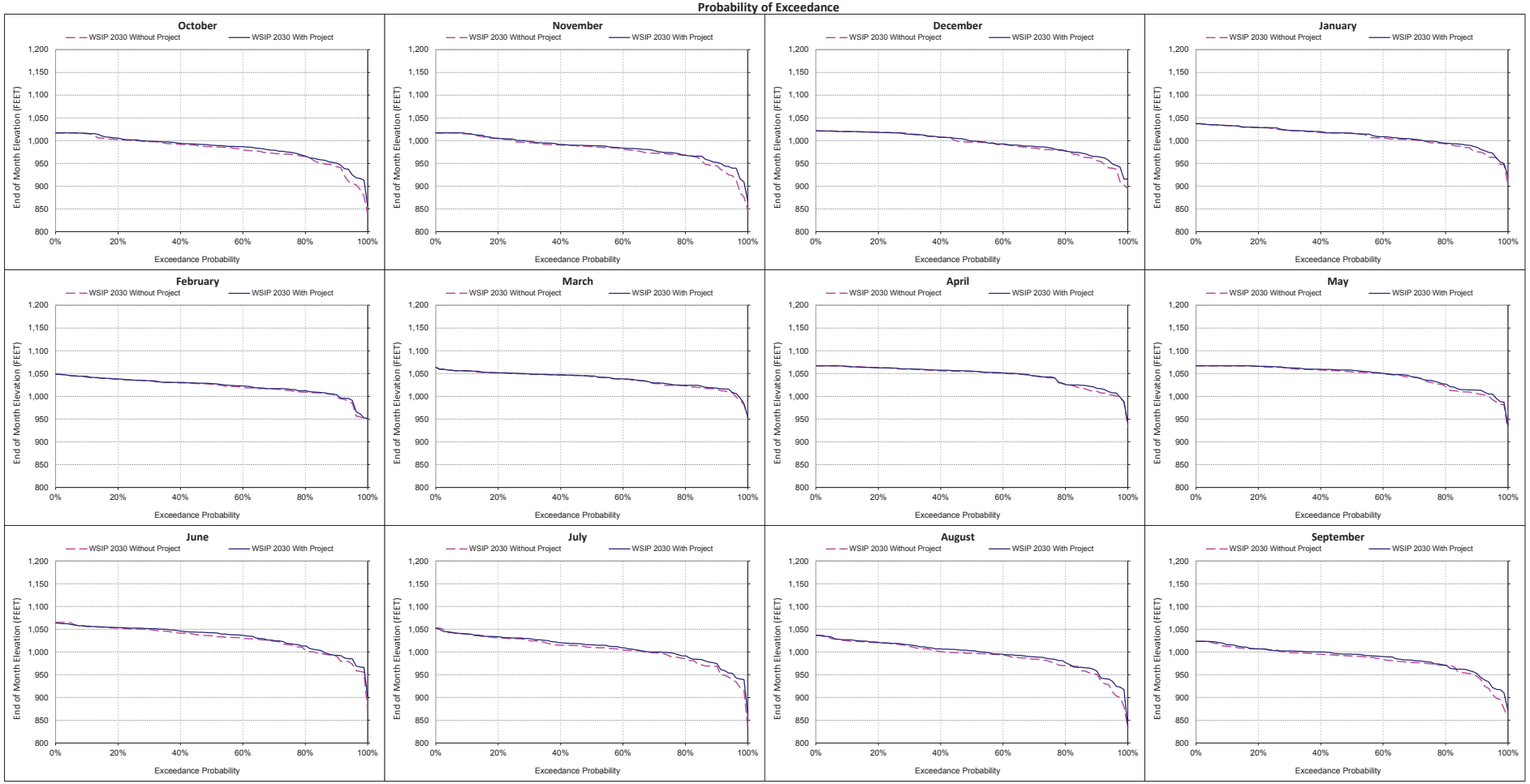


Table SW-08-b

Shasta Lake, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,016	1,017	1	0.1%
9.9%	1,015	1,016	1	0.1%
11.1%	1,015	1,015	1	0.1%
12.3%	1,012	1,015	4	0.3%
13.6%	1,006	1,014	8	0.8%
14.8%	1,006	1,010	4	0.4%
16.0%	1,004	1,008	4	0.4%
17.3%	1,003	1,007	4	0.4%
18.5%	1,003	1,007	3	0.3%
19.8%	1,002	1,006	4	0.4%
21.0%	1,002	1,004	2	0.2%
22.2%	1,001	1,002	1	0.1%
23.5%	1,001	1,002	1	0.1%
24.7%	1,000	1,002	2	0.2%
25.9%	1,000	1,002	2	0.2%
27.2%	999	1,000	1	0.1%
28.4%	998	1,000	2	0.2%
29.6%	998	999	1	0.1%
30.9%	998	999	1	0.1%
32.1%	997	998	1	0.1%
33.3%	997	998	1	0.1%
34.6%	995	997	2	0.2%
35.8%	993	997	4	0.4%
37.0%	993	997	3	0.3%
38.3%	993	995	2	0.2%
39.5%	992	995	2	0.2%
40.7%	991	994	3	0.3%
42.0%	991	993	2	0.2%
43.2%	991	993	2	0.2%
44.4%	990	993	2	0.2%
45.7%	989	992	4	0.4%
46.9%	988	991	3	0.3%
48.1%	987	991	4	0.4%
49.4%	987	990	4	0.4%
50.6%	987	990	3	0.3%
51.9%	986	989	3	0.3%
53.1%	986	989	3	0.3%
54.3%	985	988	3	0.3%
55.6%	985	987	2	0.2%
56.8%	984	987	3	0.4%
58.0%	982	987	5	0.5%
59.3%	982	987	5	0.5%
60.5%	979	987	8	0.8%
61.7%	978	986	8	0.8%
63.0%	978	985	8	0.8%
64.2%	977	983	6	0.6%
65.4%	977	983	6	0.6%
66.7%	974	982	8	0.8%
67.9%	974	980	6	0.6%
69.1%	973	979	6	0.6%
70.4%	972	979	7	0.7%
71.6%	971	977	6	0.6%
72.8%	971	976	6	0.6%
74.1%	971	975	4	0.5%
75.3%	970	974	4	0.4%
76.5%	969	973	4	0.4%
77.8%	968	971	3	0.3%
79.0%	966	968	2	0.2%
80.2%	965	966	0	0.0%
81.5%	963	962	-1	-0.1%
82.7%	956	961	5	0.5%
84.0%	952	959	7	0.7%
85.2%	951	958	7	0.7%
86.4%	948	957	8	0.9%
87.7%	948	953	5	0.6%
88.9%	946	952	6	0.7%
90.1%	943	950	8	0.8%
91.4%	941	946	5	0.5%
92.6%	922	938	16	1.7%
93.8%	910	937	27	3.0%
95.1%	906	925	19	2.1%
96.3%	903	918	15	1.7%
97.5%	893	917	24	2.6%
98.8%	878	914	35	4.0%
100.0%	839	857	17	2.0%

November				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,015	1,017	2	0.2%
9.9%	1,015	1,015	0	0.0%
11.1%	1,015	1,015	0	0.0%
12.3%	1,014	1,013	-1	-0.1%
13.6%	1,010	1,012	2	0.2%
14.8%	1,009	1,012	3	0.3%
16.0%	1,007	1,009	2	0.2%
17.3%	1,006	1,008	2	0.2%
18.5%	1,005	1,005	0	0.0%
19.8%	1,005	1,005	0	0.0%
21.0%	1,004	1,004	1	0.1%
22.2%	1,003	1,004	2	0.2%
23.5%	1,002	1,004	2	0.2%
24.7%	1,002	1,003	2	0.2%
25.9%	997	1,000	4	0.4%
27.2%	996	1,000	4	0.4%
28.4%	996	1,000	4	0.4%
29.6%	995	999	3	0.3%
30.9%	995	998	3	0.3%
32.1%	995	995	1	0.1%
33.3%	993	995	2	0.2%
34.6%	992	995	3	0.3%
35.8%	992	995	3	0.3%
37.0%	991	994	3	0.3%
38.3%	991	994	3	0.3%
39.5%	991	992	1	0.1%
40.7%	990	992	1	0.1%
42.0%	990	991	1	0.1%
43.2%	990	990	0	0.0%
44.4%	990	990	0	0.0%
45.7%	988	990	2	0.2%
46.9%	988	990	2	0.2%
48.1%	988	989	2	0.2%
49.4%	987	989	2	0.2%
50.6%	986	989	3	0.3%
51.9%	986	989	3	0.3%
53.1%	985	988	3	0.3%
54.3%	985	988	3	0.3%
55.6%	985	986	1	0.1%
56.8%	984	985	1	0.1%
58.0%	984	985	1	0.1%
59.3%	982	984	3	0.3%
60.5%	980	984	3	0.3%
61.7%	980	983	3	0.3%
63.0%	979	983	4	0.4%
64.2%	978	982	4	0.4%
65.4%	977	982	5	0.5%
66.7%	974	981	6	0.7%
67.9%	973	981	8	0.8%
69.1%	972	979	7	0.7%
70.4%	972	977	5	0.5%
71.6%	972	975	3	0.3%
72.8%	972	974	2	0.2%
74.1%	971	974	3	0.3%
75.3%	970	974	4	0.4%
76.5%	969	973	4	0.4%
77.8%	969	972	3	0.3%
79.0%	968	969	0	0.0%
80.2%	968	967	-1	-0.1%
81.5%	967	966	-1	-0.1%
82.7%	965	966	1	0.1%
84.0%	964	966	2	0.2%
85.2%	955	966	11	1.1%
86.4%	948	959	11	1.2%
87.7%	946	957	11	1.1%
88.9%	945	953	8	0.8%
90.1%	945	952	7	0.8%
91.4%	936	950	13	1.4%
92.6%	932	944	12	1.3%
93.8%	925	943	18	1.9%
95.1%	923	940	17	1.8%
96.3%	913	939	27	2.9%
97.5%	885	916	31	3.5%
98.8%	876	909	33	3.7%
100.0%	848	866	18	2.2%

December				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,022	1,022	0	0.0%
1.2%	1,021	1,021	0	0.0%
2.5%	1,021	1,021	0	0.0%
3.7%	1,021	1,021	0	0.0%
4.9%	1,021	1,021	0	0.0%
6.2%	1,021	1,021	0	0.0%
7.4%	1,021	1,020	0	0.0%
8.6%	1,020	1,020	0	0.0%
9.9%	1,020	1,020	0	0.0%
11.1%	1,020	1,020	0	0.0%
12.3%	1,020	1,020	0	0.0%
13.6%	1,020	1,020	0	0.0%
14.8%	1,019	1,019	0	0.0%
16.0%	1,019	1,019	0	0.0%
17.3%	1,019	1,019	0	0.0%
18.5%	1,019	1,019	0	0.0%
19.8%	1,018	1,018	0	0.0%
21.0%	1,018	1,018	0	0.0%
22.2%	1,018	1,018	0	0.0%
23.5%	1,018	1,018	0	0.0%
24.7%	1,018	1,017	-1	-0.1%
25.9%	1,017	1,017	0	0.0%
27.2%	1,017	1,017	0	0.0%
28.4%	1,017	1,015	-2	-0.2%
29.6%	1,015	1,015	-1	-0.1%
30.9%	1,014	1,014	-1	-0.1%
32.1%	1,014	1,013	-1	-0.1%
33.3%	1,013	1,013	0	0.0%
34.6%	1,013	1,012	0	0.0%
35.8%	1,010	1,010	0	0.0%
37.0%	1,010	1,010	0	0.0%
38.3%	1,008	1,009	1	0.1%
39.5%	1,008	1,008	0	0.0%
40.7%	1,007	1,007	0	0.0%
42.0%	1,007	1,007	0	0.0%
43.2%	1,006	1,007	1	0.1%
44.4%	1,001	1,005	4	0.4%
45.7%	998	1,005	6	0.6%
46.9%	998	1,004	6	0.6%
48.1%	997	1,002	5	0.5%
49.4%	997	1,000	3	0.3%
50.6%	997	999	2	0.2%
51.9%	997	998	1	0.1%
53.1%	996	998	2	0.2%
54.3%	996	997	1	0.1%
55.6%	996	995	-1	-0.1%
56.8%	995	994	-1	-0.1%
58.0%	992	993	1	0.1%
59.3%	992	993	1	0.1%
60.5%	991	992	1	0.1%
61.7%	990	991	1	0.1%
63.0%	989	991	1	0.1%
64.2%	988	990	2	0.2%
65.4%	987	990	3	0.3%
66.7%	986	988	2	0.2%
67.9%	985	988	3	0.3%
69.1%	984	988	4	0.4%
70.4%	983	987	3	0.3%
71.6%	982	987	5	0.5%
72.8%	981	987	6	0.6%
74.1%	980	985	5	0.5%
75.3%	980	984	4	0.4%
76.5%	980	982	2	0.2%
77.8%	979	980	1	0.1%
79.0%	978	979	1	0.1%
80.2%	978	977	-1	-0.1%
81.5%	974	976	1	0.1%
82.7%	970	975	5	0.5%
84.0%	970	974	5	0.5%
85.2%	964	973	9	0.9%
86.4%	963	971	8	0.8%
87.7%	963	968	5	0.5%
88.9%	962	965	4	0.4%
90.1%	956	965	9	1.0%
91.4%	954	963	9	1.0%
92.6%	947	962	15	1.6%
93.8%	940	957	17	1.8%
95.1%	939	949	9	1.0%
96.3%	937	945	8	0.9%
97.5%	909	942	32	3.6%
98.8%	902	916	13	1.5%
100.0%	894	915	21	2.4%

January				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,037	1,037	0	0.0%
1.2%	1,037	1,037	0	0.0%
2.5%	1,036	1,036	0	0.0%
3.7%	1,035	1,035	0	0.0%
4.9%	1,035	1,035	0	0.0%
6.2%	1,035	1,035	0	0.0%
7.4%	1,034	1,034	0	0.0%
8.6%	1,034	1,034	0	0.0%
9.9%	1,033	1,033	0	0.0%
11.1%	1,033	1,033	0	0.0%
12.3%	1,033	1,033	0	0.0%
13.6%	1,032	1,032	0	0.0%
14.8%	1,030	1,030	0	0.0%
16.0%	1,030	1,030	0	0.0%
17.3%	1,030	1,030	0	0.0%
18.5%	1,029	1,029	0	0.0%
19.8%	1,029	1,029	0	0.0%
21.0%	1,028	1,029	0	0.0%
22.2%	1,028	1,028	0	0.0%
23.5%	1,028	1,028	1	0.1%
24.7%	1,026	1,028	2	0.2%
25.9%	1,025	1,028	3	0.3%
27.2%	1,024	1,025	1	0.1%
28.4%	1,023	1,024	1	0.1%
29.6%	1,022	1,023	1	0.1%
30.9%	1,022	1,022	0	0.0%
32.1%	1,022	1,022	0	0.0%
33.3%	1,022	1,022	0	0.0%
34.6%	1,021	1,022	1	0.1%
35.8%	1,020	1,021	1	0.1%
37.0%	1,020	1,020	1	0.1%
38.3%	1,020	1,020	0	0.0%
39.5%	1,018	1,020	2	0.2%
40.7%	1,018	1,019	1	0.1%
42.0%	1,017	1,017	0	0.0%
43.2%	1,017	1,017	0	0.0%
44.4%	1,017	1,017	0	0.0%
45.7%	1,017	1,017	0	0.0%
46.9%	1,017	1,017	0	0.0%
48.1%	1,017	1,017	0	0.0%
49.4%	1,016	1,017	0	0.0%
50.6%	1,015	1,016	1	0.1%
51.9%	1,015	1,015	0	0.0%
53.1%	1,015	1,015	0	0.0%
54.3%	1,013	1,014	1	0.1%
55.6%	1,007	1,014	7	0.7%
56.8%	1,007	1,011	4	0.4%
58.0%	1,006	1,009	3	0.3%
59.3%	1,006	1,009	3	0.3%
60.5%	1,006	1,008	3	0.3%
61.7%	1,004	1,008	4	0.4%
63.0%	1,004	1,007	3	0.3%
64.2%	1,003	1,006	3	0.3%
65.4%	1,003	1,005	2	0.2%
66.7%	1,003	1,005	2	0.2%
67.9%	1,002	1,005	2	0.2%
69.1%	1,002	1,004	2	0.2%
70.4%	1,002	1,003	1	0.1%
71.6%	1,000	1,002	1	0.1%
72.8%	999	1,000	1	0.1%
74.1%	998	999	1	0.1%
75.3%	995	999	4	0.4%
76.5%	995	998	4	0.4%
77.8%	994	997	2	0.2%
79.0%	994	995	0	0.1%
80.2%	993	994	2	0.2%
81.5%	992	994	2	0.2%
82.7%	989	993	5	0.5%
84.0%	988	993	5	0.5%
85.2%	987	992	5	0.5%
86.4%	985	990	5	0.5%
87.7%	985	990	5	0.5%
88.9%	977	988	10	1.0%
90.1%	975	985	10	1.0%
91.4%	975	981	6	0.6%
92.6%	971	978	7	0.7%
93.8%	964	975	11	1.1%
95.1%	963	973	10	1.0%
96.3%	963	962	-1	-0.1%
97.5%	948	953	5	0.6%
98.8%	947	950	3	0.3%
100.0%	903	922	19	2.1%

Table SW-08-b

Shasta Lake, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,049	1,049	0	0.0%
1.2%	1,048	1,048	0	0.0%
2.5%	1,047	1,047	0	0.0%
3.7%	1,047	1,047	0	0.0%
4.9%	1,045	1,045	0	0.0%
6.2%	1,045	1,045	0	0.0%
7.4%	1,044	1,044	0	0.0%
8.6%	1,044	1,044	0	0.0%
9.9%	1,042	1,044	2	0.2%
11.1%	1,041	1,042	1	0.1%
12.3%	1,041	1,041	0	0.0%
13.6%	1,041	1,041	0	0.0%
14.8%	1,040	1,040	0	0.0%
16.0%	1,040	1,040	0	0.0%
17.3%	1,039	1,039	0	0.0%
18.5%	1,038	1,039	1	0.0%
19.8%	1,038	1,038	0	0.0%
21.0%	1,037	1,038	1	0.1%
22.2%	1,036	1,037	0	0.0%
23.5%	1,036	1,036	0	0.0%
24.7%	1,036	1,036	0	0.0%
25.9%	1,035	1,035	0	0.0%
27.2%	1,035	1,035	0	0.0%
28.4%	1,035	1,035	0	0.0%
29.6%	1,034	1,034	0	0.0%
30.9%	1,034	1,034	-1	-0.1%
32.1%	1,034	1,032	-1	-0.1%
33.3%	1,032	1,032	0	0.0%
34.6%	1,031	1,031	0	0.0%
35.8%	1,031	1,031	0	0.0%
37.0%	1,031	1,031	0	0.0%
38.3%	1,030	1,031	0	0.0%
39.5%	1,030	1,030	1	0.1%
40.7%	1,029	1,030	1	0.1%
42.0%	1,029	1,030	0	0.0%
43.2%	1,029	1,029	0	0.0%
44.4%	1,028	1,029	1	0.1%
45.7%	1,028	1,029	1	0.1%
46.9%	1,028	1,029	1	0.1%
48.1%	1,028	1,029	1	0.1%
49.4%	1,027	1,028	2	0.2%
50.6%	1,026	1,028	2	0.2%
51.9%	1,025	1,027	2	0.2%
53.1%	1,024	1,026	2	0.2%
54.3%	1,022	1,025	3	0.3%
55.6%	1,022	1,024	3	0.3%
56.8%	1,022	1,024	2	0.2%
58.0%	1,021	1,023	2	0.2%
59.3%	1,021	1,023	3	0.3%
60.5%	1,019	1,023	4	0.4%
61.7%	1,019	1,022	3	0.3%
63.0%	1,018	1,020	2	0.2%
64.2%	1,017	1,019	2	0.2%
65.4%	1,017	1,019	2	0.2%
66.7%	1,017	1,018	1	0.1%
67.9%	1,017	1,017	0	0.0%
69.1%	1,017	1,017	0	0.0%
70.4%	1,016	1,017	1	0.1%
71.6%	1,015	1,017	2	0.2%
72.8%	1,015	1,017	2	0.2%
74.1%	1,013	1,016	3	0.3%
75.3%	1,012	1,015	2	0.2%
76.5%	1,011	1,014	4	0.4%
77.8%	1,010	1,013	3	0.2%
79.0%	1,009	1,012	3	0.3%
80.2%	1,009	1,012	3	0.3%
81.5%	1,008	1,010	2	0.2%
82.7%	1,008	1,010	2	0.2%
84.0%	1,008	1,009	1	0.1%
85.2%	1,007	1,008	1	0.1%
86.4%	1,006	1,007	1	0.1%
87.7%	1,006	1,005	-1	-0.1%
88.9%	1,005	1,005	0	0.0%
90.1%	998	1,003	5	0.5%
91.4%	995	996	1	0.1%
92.6%	993	996	3	0.3%
93.8%	989	995	7	0.7%
95.1%	985	991	6	0.6%
96.3%	956	966	9	1.0%
97.5%	955	962	7	0.7%
98.8%	951	953	2	0.2%
100.0%	949	951	2	0.2%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,064	1,064	0	0.0%
1.2%	1,060	1,060	0	0.0%
2.5%	1,059	1,059	0	0.0%
3.7%	1,058	1,058	0	0.0%
4.9%	1,057	1,057	0	0.0%
6.2%	1,056	1,056	0	0.0%
7.4%	1,056	1,056	0	0.0%
8.6%	1,056	1,056	0	0.0%
9.9%	1,055	1,056	1	0.1%
11.1%	1,055	1,055	0	0.0%
12.3%	1,055	1,055	0	0.0%
13.6%	1,053	1,055	2	0.2%
14.8%	1,053	1,053	1	0.1%
16.0%	1,052	1,053	1	0.1%
17.3%	1,052	1,052	0	0.0%
18.5%	1,052	1,052	1	0.1%
19.8%	1,051	1,052	0	0.0%
21.0%	1,051	1,051	0	0.0%
22.2%	1,051	1,051	0	0.0%
23.5%	1,050	1,051	1	0.1%
24.7%	1,050	1,051	1	0.1%
25.9%	1,050	1,050	1	0.1%
27.2%	1,050	1,050	1	0.1%
28.4%	1,049	1,050	0	0.0%
29.6%	1,048	1,049	1	0.1%
30.9%	1,048	1,048	0	0.0%
32.1%	1,048	1,048	0	0.0%
33.3%	1,048	1,048	0	0.0%
34.6%	1,048	1,048	0	0.0%
35.8%	1,048	1,048	0	0.0%
37.0%	1,047	1,048	0	0.0%
38.3%	1,047	1,047	0	0.0%
39.5%	1,047	1,047	1	0.1%
40.7%	1,047	1,047	0	0.0%
42.0%	1,046	1,047	0	0.0%
43.2%	1,046	1,046	0	0.0%
44.4%	1,046	1,046	0	0.0%
45.7%	1,046	1,046	0	0.0%
46.9%	1,045	1,046	0	0.0%
48.1%	1,045	1,045	0	0.0%
49.4%	1,044	1,045	1	0.1%
50.6%	1,043	1,045	2	0.2%
51.9%	1,042	1,043	1	0.1%
53.1%	1,041	1,042	1	0.1%
54.3%	1,041	1,042	0	0.0%
55.6%	1,041	1,041	0	0.0%
56.8%	1,039	1,039	1	0.1%
58.0%	1,038	1,039	1	0.1%
59.3%	1,038	1,039	0	0.0%
60.5%	1,038	1,038	0	0.0%
61.7%	1,038	1,038	0	0.0%
63.0%	1,036	1,037	2	0.2%
64.2%	1,035	1,036	1	0.1%
65.4%	1,035	1,034	0	0.0%
66.7%	1,034	1,034	-1	-0.1%
67.9%	1,032	1,033	1	0.1%
69.1%	1,029	1,030	1	0.1%
70.4%	1,028	1,029	1	0.1%
71.6%	1,028	1,029	1	0.1%
72.8%	1,025	1,029	4	0.4%
74.1%	1,024	1,028	4	0.4%
75.3%	1,024	1,027	2	0.2%
76.5%	1,024	1,025	1	0.1%
77.8%	1,024	1,025	1	0.1%
79.0%	1,024	1,024	0	0.0%
80.2%	1,023	1,024	1	0.1%
81.5%	1,021	1,024	3	0.3%
82.7%	1,020	1,024	4	0.4%
84.0%	1,019	1,024	5	0.5%
85.2%	1,019	1,022	3	0.3%
86.4%	1,017	1,020	2	0.2%
87.7%	1,017	1,019	2	0.2%
88.9%	1,017	1,019	2	0.2%
90.1%	1,016	1,018	2	0.2%
91.4%	1,012	1,016	4	0.4%
92.6%	1,012	1,016	4	0.4%
93.8%	1,009	1,016	7	0.7%
95.1%	1,008	1,008	0	0.0%
96.3%	999	1,006	7	0.7%
97.5%	991	997	6	0.6%
98.8%	982	984	2	0.2%
100.0%	956	954	-2	-0.2%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,067	1,067	0	0.0%
7.4%	1,067	1,067	0	0.0%
8.6%	1,066	1,067	0	0.0%
9.9%	1,066	1,065	-1	-0.1%
11.1%	1,065	1,065	-1	-0.1%
12.3%	1,065	1,064	-1	-0.1%
13.6%	1,065	1,064	-1	-0.1%
14.8%	1,065	1,064	-1	-0.1%
16.0%	1,064	1,064	-1	-0.1%
17.3%	1,064	1,064	0	0.0%
18.5%	1,064	1,063	-1	-0.1%
19.8%	1,064	1,063	-1	-0.1%
21.0%	1,063	1,063	0	0.0%
22.2%	1,062	1,062	0	0.0%
23.5%	1,062	1,062	0	0.0%
24.7%	1,062	1,062	0	0.0%
25.9%	1,060	1,062	1	0.1%
27.2%	1,060	1,060	0	0.0%
28.4%	1,060	1,060	0	0.0%
29.6%	1,060	1,060	0	0.0%
30.9%	1,060	1,060	0	0.0%
32.1%	1,059	1,060	0	0.0%
33.3%	1,058	1,059	1	0.1%
34.6%	1,058	1,059	1	0.1%
35.8%	1,058	1,058	1	0.1%
37.0%	1,058	1,058	1	0.0%
38.3%	1,057	1,058	1	0.1%
39.5%	1,057	1,058	1	0.1%
40.7%	1,056	1,058	2	0.2%
42.0%	1,056	1,057	2	0.2%
43.2%	1,055	1,057	1	0.1%
44.4%	1,055	1,056	1	0.1%
45.7%	1,055	1,056	1	0.1%
46.9%	1,055	1,056	1	0.1%
48.1%	1,055	1,056	1	0.1%
49.4%	1,055	1,055	1	0.1%
50.6%	1,055	1,055	0	0.0%
51.9%	1,054	1,055	0	0.0%
53.1%	1,053	1,053	0	0.0%
54.3%	1,052	1,053	0	0.0%
55.6%	1,052	1,053	0	0.0%
56.8%	1,052	1,052	0	0.0%
58.0%	1,051	1,052	1	0.1%
59.3%	1,051	1,052	0	0.0%
60.5%	1,051	1,051	1	0.0%
61.7%	1,050	1,051	1	0.1%
63.0%	1,050	1,051	1	0.1%
64.2%	1,049	1,050	1	0.1%
65.4%	1,048	1,049	1	0.1%
66.7%	1,048	1,048	0	0.0%
67.9%	1,046	1,048	2	0.2%
69.1%	1,046	1,045	-1	-0.1%
70.4%	1,044	1,045	0	0.0%
71.6%	1,044	1,043	-1	-0.1%
72.8%	1,042	1,043	0	0.0%
74.1%	1,041	1,042	2	0.2%
75.3%	1,041	1,042	2	0.1%
76.5%	1,040	1,041	0	0.0%
77.8%	1,030	1,031	1	0.1%
79.0%	1,028	1,028	0	0.0%
80.2%	1,026	1,025	-1	-0.1%
81.5%	1,025	1,025	0	0.0%
82.7%	1,022	1,025	2	0.2%
84.0%	1,020	1,025	5	0.5%
85.2%	1,020	1,024	4	0.4%
86.4%	1,016	1,024	8	0.8%
87.7%	1,013	1,022	9	0.9%
88.9%	1,011	1,021	10	1.0%
90.1%	1,011	1,017	6	0.6%
91.4%	1,007	1,017	9	0.9%
92.6%	1,007	1,014	7	0.7%
93.8%	1,004	1,010	6	0.6%
95.1%	1,002	1,008	5	0.5%
96.3%	1,001	1,007	6	0.6%
97.5%	998	998	0	0.0%
98.8%	987	988	1	0.1%
100.0%	933	940	7	0.8%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,067	1,067	0	0.0%
7.4%	1,067	1,067	0	0.0%
8.6%	1,067	1,067	0	0.0%
9.9%	1,067	1,067	0	0.0%
11.1%	1,067	1,067	0	0.0%
12.3%	1,067	1,067	0	0.0%
13.6%	1,067	1,067	0	0.0%
14.8%	1,067	1,067	0	0.0%
16.0%	1,067	1,067	0	0.0%
17.3%	1,066	1,067	0	0.0%
18.5%	1,066	1,066	0	0.0%
19.8%	1,066	1,066	0	0.0%
21.0%	1,065	1,066	1	0.1%
22.2%	1,064	1,066	2	0.1%
23.5%	1,064	1,066	1	0.1%
24.7%	1,064	1,066	2	0.2%
25.9%	1,064	1,065	1	0.1%
27.2%	1,064	1,065	1	0.1%
28.4%	1,063	1,063	0	0.0%
29.6%	1,062	1,063	1	0.1%
30.9%	1,061	1,062	2	0.2%
32.1%	1,060	1,062	2	0.2%
33.3%	1,059	1,062	3	0.2%
34.6%	1,059	1,060	1	0.1%
35.8%	1,059	1,060	1	0.1%
37.0%	1,059	1,060	1	0.1%
38.3%	1,059	1,060	1	0.1%
39.5%	1,058	1,059	2	0.2%
40.7%	1,058	1,059	2	0.2%
42.0%	1,057	1,059	2	0.2%
43.2%	1,057	1,059	2	0.2%
44.4%	1,056	1,059	2	0.2%
45.7%	1,056	1,058	2	0.2%
46.9%	1,056	1,058	2	0.2%
48.1%	1,055	1,058	3	0.3%
49.4%	1,054	1,058	3	0.3%
50.6%	1,053	1,057	4	0.3%
51.9%	1,053	1,056	3	0.3%
53.1%	1,053	1,055	3	0.2%
54.3%	1,052	1,054	2	0.2%
55.6%	1,052	1,054	2	0.2%
56.8%	1,051	1,052	1	0.1%
58.0%	1,051	1,052	1	0.1%
59.3%	1,050	1,051	1	0.1%
60.5%	1,049	1,050	0	0.0%
61.7%	1,048	1,049	1	0.1%
63.0%	1,048	1,048	0	0.0%
64.2%	1,047	1,048	1	0.1%
65.4%	1,047	1,048	1	0.1%
66.7%	1,044	1,047	3	0.3%
67.9%	1,042	1,046	4	0.3%
69.1%	1,042	1,043	1	0.0%
70.4%	1,042	1,042	0	0.0%
71.6%	1,040	1,040	0	0.0%
72.8%	1,039	1,037	-2	-0.2%
74.1%	1,032	1,035	3	0.3%
75.3%	1,031	1,035	4	0.4%
76.5%	1,029	1,033	4	0.4%
77.8%	1,027	1,031	4	0.4%
79.0%	1,026	1,028	2	0.2%
80.2%	1,021	1,027	6	0.6%
81.5%	1,013	1,021	9	0.9%
82.7%	1,012	1,020	8	0.8%
84.0%	1,011	1,016	5	0.5%
85.2%	1,010	1,015	5	0.5%
86.4%	1,010	1,014	5	0.5%
87.7%	1,009	1,014	4	0.4%
88.9%	1,008	1,014	6	0.6%
90.1%	1,006	1,014	8	0.8%
91.4%	1,004	1,013	9	0.9%
92.6%	1,003	1,009	6	0.6%
93.8%	1,000	1,005	5	0.5%
95.1%	993	1,005	12	1.2%
96.3%	987	995	8	0.8%
97.5%	982	988	6	0.6%
98.8%	982	987	5	0.6%
100.0%	923	936	13	1.4%

Table SW-08-b

Shasta Lake, End of Month Elevation

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,065	1,064	-1	-0.1%
1.2%	1,065	1,063	-2	-0.2%
2.5%	1,065	1,062	-3	-0.3%
3.7%	1,065	1,062	-3	-0.3%
4.9%	1,064	1,060	-4	-0.4%
6.2%	1,059	1,059	1	0.0%
7.4%	1,059	1,058	-1	-0.1%
8.6%	1,058	1,057	-1	0.0%
9.9%	1,057	1,056	-1	-0.1%
11.1%	1,056	1,056	0	0.0%
12.3%	1,056	1,056	0	0.0%
13.6%	1,055	1,055	1	0.1%
14.8%	1,055	1,055	1	0.1%
16.0%	1,054	1,055	1	0.0%
17.3%	1,053	1,054	1	0.1%
18.5%	1,053	1,054	1	0.1%
19.8%	1,053	1,053	1	0.1%
21.0%	1,052	1,053	2	0.2%
22.2%	1,051	1,053	2	0.2%
23.5%	1,051	1,053	2	0.2%
24.7%	1,051	1,053	2	0.2%
25.9%	1,051	1,053	2	0.2%
27.2%	1,050	1,052	2	0.2%
28.4%	1,050	1,052	2	0.2%
29.6%	1,049	1,052	2	0.2%
30.9%	1,049	1,051	2	0.2%
32.1%	1,047	1,051	4	0.4%
33.3%	1,046	1,050	4	0.3%
34.6%	1,046	1,050	4	0.4%
35.8%	1,046	1,050	4	0.4%
37.0%	1,044	1,049	4	0.4%
38.3%	1,043	1,048	5	0.4%
39.5%	1,042	1,046	5	0.5%
40.7%	1,041	1,045	4	0.4%
42.0%	1,041	1,044	3	0.3%
43.2%	1,040	1,044	4	0.4%
44.4%	1,039	1,044	5	0.5%
45.7%	1,037	1,043	6	0.6%
46.9%	1,037	1,043	7	0.7%
48.1%	1,036	1,043	6	0.6%
49.4%	1,036	1,042	6	0.6%
50.6%	1,035	1,042	7	0.7%
51.9%	1,033	1,042	8	0.8%
53.1%	1,033	1,039	6	0.6%
54.3%	1,032	1,039	7	0.7%
55.6%	1,032	1,038	6	0.6%
56.8%	1,032	1,038	6	0.5%
58.0%	1,032	1,037	6	0.5%
59.3%	1,031	1,037	6	0.6%
60.5%	1,030	1,036	6	0.6%
61.7%	1,029	1,035	6	0.6%
63.0%	1,029	1,035	6	0.6%
64.2%	1,029	1,031	3	0.2%
65.4%	1,027	1,029	2	0.2%
66.7%	1,026	1,029	3	0.3%
67.9%	1,026	1,026	0	0.0%
69.1%	1,024	1,026	2	0.2%
70.4%	1,023	1,025	1	0.1%
71.6%	1,023	1,024	2	0.2%
72.8%	1,017	1,023	6	0.5%
74.1%	1,016	1,019	3	0.3%
75.3%	1,016	1,018	2	0.2%
76.5%	1,012	1,017	5	0.5%
77.8%	1,011	1,016	5	0.5%
79.0%	1,010	1,013	3	0.3%
80.2%	1,002	1,013	11	1.1%
81.5%	1,001	1,007	7	0.7%
82.7%	1,001	1,006	5	0.5%
84.0%	997	1,005	8	0.8%
85.2%	997	1,003	6	0.6%
86.4%	995	998	3	0.3%
87.7%	994	995	2	0.2%
88.9%	993	993	0	0.0%
90.1%	990	993	3	0.3%
91.4%	980	992	12	1.2%
92.6%	980	987	7	0.7%
93.8%	979	985	6	0.6%
95.1%	973	985	12	1.2%
96.3%	959	969	10	1.1%
97.5%	958	967	9	1.0%
98.8%	955	966	11	1.1%
100.0%	873	901	29	3.3%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,053	1,053	0	0.0%
1.2%	1,053	1,050	-3	-0.3%
2.5%	1,050	1,045	-5	-0.5%
3.7%	1,043	1,044	2	0.2%
4.9%	1,042	1,043	1	0.1%
6.2%	1,042	1,041	-1	-0.1%
7.4%	1,041	1,041	0	0.0%
8.6%	1,041	1,040	-1	-0.1%
9.9%	1,039	1,040	1	0.1%
11.1%	1,039	1,039	0	0.0%
12.3%	1,036	1,037	1	0.1%
13.6%	1,036	1,037	1	0.1%
14.8%	1,034	1,036	2	0.2%
16.0%	1,034	1,034	0	0.0%
17.3%	1,033	1,034	1	0.1%
18.5%	1,032	1,034	2	0.2%
19.8%	1,031	1,034	2	0.2%
21.0%	1,031	1,032	2	0.2%
22.2%	1,030	1,031	1	0.1%
23.5%	1,030	1,031	2	0.1%
24.7%	1,029	1,031	1	0.1%
25.9%	1,029	1,031	2	0.2%
27.2%	1,029	1,031	2	0.2%
28.4%	1,028	1,030	2	0.2%
29.6%	1,025	1,030	5	0.4%
30.9%	1,024	1,029	4	0.4%
32.1%	1,024	1,027	3	0.2%
33.3%	1,022	1,027	4	0.4%
34.6%	1,022	1,026	4	0.4%
35.8%	1,019	1,025	6	0.6%
37.0%	1,017	1,023	6	0.6%
38.3%	1,016	1,022	7	0.7%
39.5%	1,015	1,021	6	0.6%
40.7%	1,015	1,020	5	0.5%
42.0%	1,015	1,019	5	0.4%
43.2%	1,015	1,019	4	0.4%
44.4%	1,014	1,019	5	0.5%
45.7%	1,014	1,018	5	0.5%
46.9%	1,013	1,018	5	0.5%
48.1%	1,011	1,016	5	0.5%
49.4%	1,010	1,016	5	0.5%
50.6%	1,010	1,016	6	0.6%
51.9%	1,009	1,015	5	0.5%
53.1%	1,009	1,015	5	0.5%
54.3%	1,009	1,015	5	0.5%
55.6%	1,008	1,013	5	0.5%
56.8%	1,007	1,012	5	0.5%
58.0%	1,007	1,012	5	0.5%
59.3%	1,006	1,009	3	0.3%
60.5%	1,004	1,009	5	0.5%
61.7%	1,003	1,007	4	0.4%
63.0%	1,003	1,007	3	0.3%
64.2%	1,003	1,005	2	0.2%
65.4%	1,003	1,003	1	0.1%
66.7%	1,000	1,002	2	0.2%
67.9%	1,000	1,000	1	0.1%
69.1%	999	1,000	2	0.2%
70.4%	998	1,000	2	0.2%
71.6%	997	1,000	3	0.3%
72.8%	997	1,000	3	0.3%
74.1%	994	999	5	0.5%
75.3%	990	998	8	0.9%
76.5%	989	997	7	0.7%
77.8%	988	994	6	0.6%
79.0%	986	992	6	0.6%
80.2%	986	991	5	0.5%
81.5%	981	986	5	0.5%
82.7%	981	984	3	0.4%
84.0%	973	984	11	1.1%
85.2%	972	984	12	1.2%
86.4%	969	980	10	1.1%
87.7%	969	978	9	0.9%
88.9%	969	976	7	0.8%
90.1%	968	974	6	0.6%
91.4%	949	961	12	1.3%
92.6%	949	959	10	1.0%
93.8%	945	954	9	0.9%
95.1%	940	953	13	1.4%
96.3%	934	943	9	1.0%
97.5%	921	941	19	2.1%
98.8%	916	940	24	2.6%
100.0%	834	864	29	3.5%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,036	1,036	0	0.0%
1.2%	1,036	1,036	0	0.0%
2.5%	1,036	1,034	-2	-0.2%
3.7%	1,033	1,034	2	0.2%
4.9%	1,030	1,033	4	0.4%
6.2%	1,028	1,028	0	0.0%
7.4%	1,028	1,028	0	0.0%
8.6%	1,026	1,027	1	0.1%
9.9%	1,025	1,027	2	0.2%
11.1%	1,023	1,027	3	0.3%
12.3%	1,023	1,025	2	0.2%
13.6%	1,023	1,025	2	0.2%
14.8%	1,023	1,024	1	0.1%
16.0%	1,022	1,024	2	0.2%
17.3%	1,021	1,022	1	0.1%
18.5%	1,021	1,022	1	0.1%
19.8%	1,020	1,022	2	0.1%
21.0%	1,020	1,020	0	0.0%
22.2%	1,020	1,020	0	0.0%
23.5%	1,019	1,019	0	0.0%
24.7%	1,018	1,019	1	0.1%
25.9%	1,017	1,019	1	0.1%
27.2%	1,016	1,018	3	0.2%
28.4%	1,015	1,017	2	0.2%
29.6%	1,012	1,016	4	0.3%
30.9%	1,011	1,015	3	0.3%
32.1%	1,009	1,013	5	0.5%
33.3%	1,008	1,012	4	0.4%
34.6%	1,007	1,011	4	0.4%
35.8%	1,007	1,010	3	0.3%
37.0%	1,005	1,009	5	0.5%
38.3%	1,003	1,007	5	0.5%
39.5%	1,001	1,007	6	0.6%
40.7%	1,000	1,006	6	0.6%
42.0%	999	1,006	7	0.7%
43.2%	999	1,006	7	0.7%
44.4%	999	1,005	7	0.7%
45.7%	999	1,005	6	0.6%
46.9%	999	1,004	6	0.6%
48.1%	997	1,004	7	0.7%
49.4%	997	1,003	6	0.6%
50.6%	997	1,003	6	0.6%
51.9%	997	1,001	4	0.4%
53.1%	996	1,000	4	0.4%
54.3%	996	1,000	4	0.4%
55.6%	995	998	3	0.3%
56.8%	995	996	1	0.1%
58.0%	995	995	1	0.1%
59.3%	993	995	2	0.2%
60.5%	993	994	1	0.1%
61.7%	991	994	3	0.3%
63.0%	988	994	5	0.5%
64.2%	988	993	5	0.5%
65.4%	987	992	5	0.5%
66.7%	987	991	4	0.4%
67.9%	987	990	3	0.3%
69.1%	984	990	5	0.5%
70.4%	984	989	5	0.5%
71.6%	984	988	5	0.5%
72.8%	982	988	5	0.6%
74.1%	981	986	5	0.5%
75.3%	978	984	7	0.7%
76.5%	977	984	7	0.7%
77.8%	971	981	10	1.0%
79.0%	970	981	11	1.1%
80.2%	970	976	6	0.6%
81.5%	969	972	3	0.3%
82.7%	969	967	-2	-0.2%
84.0%	968	966	-2	-0.2%
85.2%	959	966	7	0.8%
86.4%	958	965	7	0.8%
87.7%	954	965	11	1.1%
88.9%	952	962	10	1.1%
90.1%	951	958	7	0.7%
91.4%	937	943	6	0.7%
92.6%	930	941	11	1.2%
93.8%	928	940	12	1.3%
95.1%	912	935	23	2.5%
96.3%	903	924	21	2.3%
97.5%	900	923	23	2.5%
98.8%	879	917	38	4.3%
100.0%	834	834	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,023	1,023	0	0.0%
1.2%	1,023	1,023	0	0.0%
2.5%	1,023	1,023	0	0.0%
3.7%	1,022	1,023	2	0.2%
4.9%	1,022	1,023	2	0.2%
6.2%	1,019	1,022	4	0.4%
7.4%	1,018	1,020	2	0.2%
8.6%	1,013	1,020	6	0.6%
9.9%	1,012	1,016	4	0.4%
11.1%	1,012	1,016	4	0.4%
12.3%	1,011	1,015	4	0.4%
13.6%	1,009	1,012	3	0.3%
14.8%	1,008	1,012	3	0.3%
16.0%	1,007	1,011	3	0.3%
17.3%	1,007	1,008	1	0.1%
18.5%	1,007	1,007	0	0.0%
19.8%	1,007	1,007	0	0.0%
21.0%	1,007	1,007	0	0.0%
22.2%	1,006	1,006	0	0.0%
23.5%	1,005	1,004	-1	-0.1%
24.7%	1,005	1,004	-1	-0.1%
25.9%	1,004	1,003	-1	-0.1%
27.2%	1,001	1,003	1	0.1%
28.4%	1,000	1,002	2	0.2%
29.6%	999	1,002	4	0.4%
30.9%	998	1,002	4	0.4%
32.1%	998	1,002	4	0.4%
33.3%	998	1,002	4	0.4%
34.6%	998	1,001	3	0.3%
35.8%	997	1,001	4	0.4%
37.0%	997	1,000	4	0.4%
38.3%	996	1,000	4	0.4%
39.5%	995	1,000	5	0.5%
40.7%	995	1,000	5	0.5%
42.0%	994	999	5	0.5%
43.2%	994	999	5	0.5%
44.4%	993	997	4	0.4%
45.7%	993	996	3	0.3%
46.9%	992	996	4	0.4%
48.1%	992	995	4	0.4%
49.4%	991	995	4	0.4%
50.6%	991	995	4	0.4%
51.9%	991	995	4	0.4%
53.1%	990	994	4	0.4%
54.3%	989	992	4	0.4%
55.6%	988	992	4	0.4%
56.8%	988	991	4	0.4%
58.0%	986	991	5	0.5%
59.3%	985	990	5	0.5%
60.5%	982	990	7	0.8%
61.7%	981	989	8	0.8%
63.0%	981	989	8	0.8%
64.2%	980	985	5	0.5%
65.4%	979	984	5	0.5%
66.7%	979	983	4	0.4%
67.9%	977	982	5	0.5%
69.1%	977	982	6	0.6%
70.4%	977	981	4	0.4%
71.6%	977	981	4	0.4%
72.8%	976	979	4	0.4%
74.1%	975	979	4	0.4%
75.3%	974	978	4	0.4%
76.5%	973	974	1	0.1%
77.8%	971	974	2	0.2%
79.0%	971	972	1	0.1%
80.2%	970	971	1	0.1%
81.5%	970	964	-5	-0.6%
82.7%	968	963	-5	-0.5%
84.0%	957	962	6	0.6%
85.2%	955	962	7	0.7%
86.4%	954	961	8	0.8%
87.7%	953	959	6	0.6%
88.9%	950	956	7	0.7%
90.1%	946	952	6	0.6%
91.4%	939	944	5	0.5%
92.6%	924	939	14	1.5%
93.8%	920	934	14	1.5%
95.1%	907	922	15	1.7%
96.3%	898	918	19	2.2%
97.5%	895	917	22	2.4%
98.8%	875	910	36	4.1%
100.0%	856	872	17	1.9%

Figure SW-09-b
Shasta Lake, End of Month Area
Probability of Exceedance

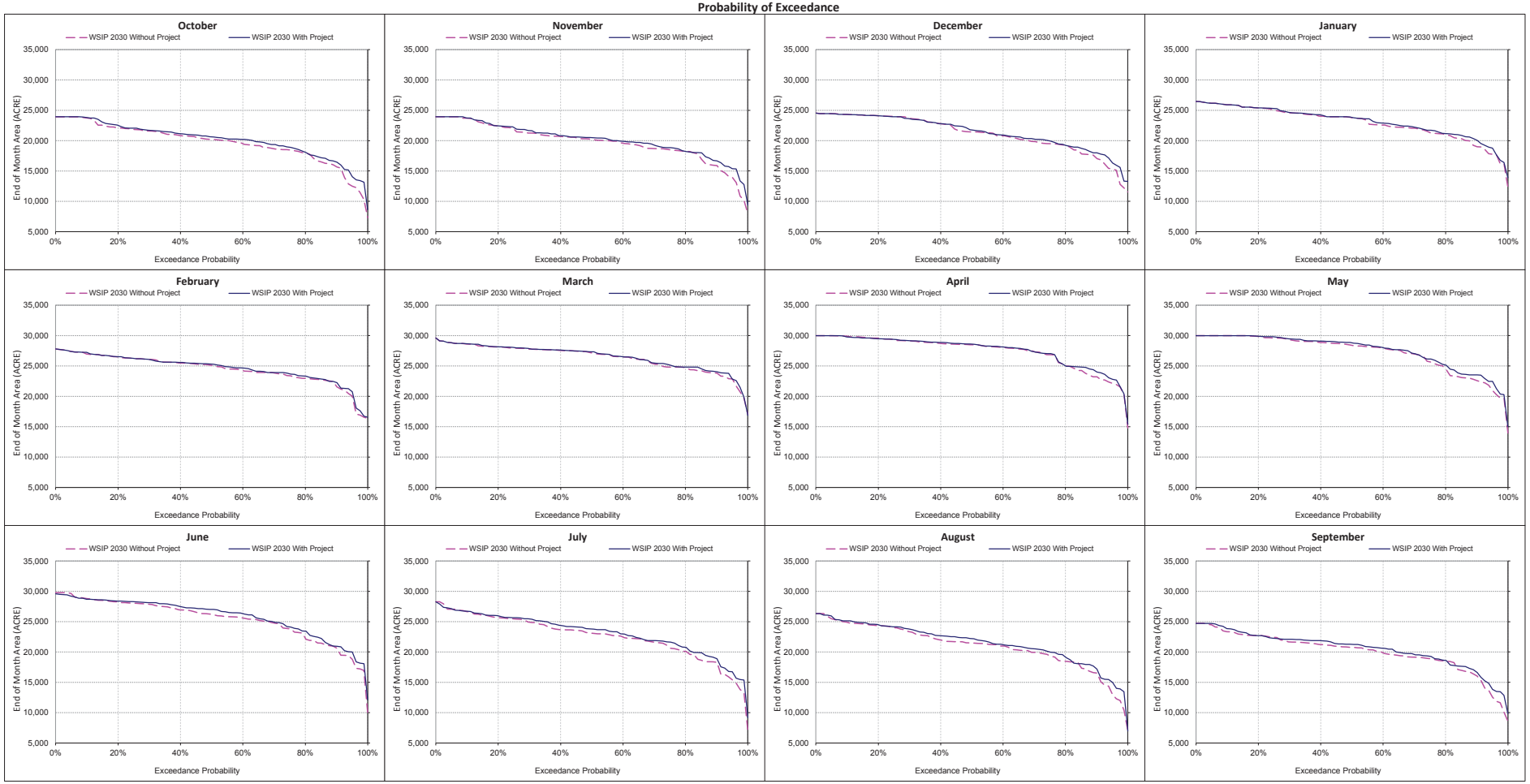


Table SW-09-b

Shasta Lake, End of Month Area

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,927	23,927	0	0.0%
1.2%	23,927	23,927	0	0.0%
2.5%	23,927	23,927	0	0.0%
3.7%	23,927	23,927	0	0.0%
4.9%	23,927	23,927	0	0.0%
6.2%	23,927	23,927	0	0.0%
7.4%	23,927	23,923	-4	0.0%
8.6%	23,830	23,918	88	0.4%
9.9%	23,742	23,824	82	0.3%
11.1%	23,659	23,740	80	0.3%
12.3%	23,303	23,735	432	1.9%
13.6%	22,559	23,525	966	4.3%
14.8%	22,550	23,101	551	2.4%
16.0%	22,389	22,838	448	2.0%
17.3%	22,270	22,758	488	2.2%
18.5%	22,241	22,647	406	1.8%
19.8%	22,110	22,557	446	2.0%
21.0%	22,077	22,335	258	1.2%
22.2%	21,998	22,120	121	0.6%
23.5%	21,974	22,075	101	0.5%
24.7%	21,860	22,053	193	0.9%
25.9%	21,826	22,053	227	1.0%
27.2%	21,783	21,885	101	0.5%
28.4%	21,597	21,816	219	1.0%
29.6%	21,590	21,717	127	0.6%
30.9%	21,583	21,670	87	0.4%
32.1%	21,519	21,615	96	0.4%
33.3%	21,418	21,573	155	0.7%
34.6%	21,227	21,484	257	1.2%
35.8%	21,037	21,480	443	2.1%
37.0%	21,031	21,437	406	1.9%
38.3%	20,992	21,261	268	1.3%
39.5%	20,875	21,175	300	1.4%
40.7%	20,791	21,105	315	1.5%
42.0%	20,777	21,014	237	1.1%
43.2%	20,714	20,988	274	1.3%
44.4%	20,674	20,931	257	1.2%
45.7%	20,440	20,900	460	2.3%
46.9%	20,374	20,794	419	2.1%
48.1%	20,260	20,765	505	2.5%
49.4%	20,208	20,650	442	2.2%
50.6%	20,202	20,611	409	2.0%
51.9%	20,126	20,501	375	1.9%
53.1%	20,075	20,495	420	2.1%
54.3%	20,022	20,366	343	1.7%
55.6%	19,998	20,280	283	1.4%
56.8%	19,872	20,276	403	2.0%
58.0%	19,721	20,248	527	2.7%
59.3%	19,661	20,240	579	2.9%
60.5%	19,377	20,201	824	4.3%
61.7%	19,320	20,124	803	4.2%
63.0%	19,270	20,053	783	4.1%
64.2%	19,185	19,826	642	3.3%
65.4%	19,167	19,774	607	3.2%
66.7%	18,869	19,688	819	4.3%
67.9%	18,868	19,503	634	3.4%
69.1%	18,750	19,373	624	3.3%
70.4%	18,625	19,363	738	4.0%
71.6%	18,570	19,162	591	3.2%
72.8%	18,526	19,130	604	3.3%
74.1%	18,522	18,974	452	2.4%
75.3%	18,461	18,887	425	2.3%
76.5%	18,345	18,740	395	2.2%
77.8%	18,234	18,562	328	1.8%
79.0%	18,035	18,281	246	1.4%
80.2%	17,976	18,017	41	0.2%
81.5%	17,735	17,644	-90	-0.5%
82.7%	17,055	17,559	505	3.0%
84.0%	16,661	17,347	685	4.1%
85.2%	16,484	17,197	713	4.3%
86.4%	16,259	17,090	831	5.1%
87.7%	16,230	16,764	534	3.3%
88.9%	16,032	16,667	635	4.0%
90.1%	15,661	16,445	783	5.0%
91.4%	15,483	16,000	517	3.3%
92.6%	13,883	15,242	1,359	9.8%
93.8%	12,863	15,147	2,284	17.8%
95.1%	12,481	14,068	1,587	12.7%
96.3%	12,253	13,549	1,296	10.6%
97.5%	11,454	13,397	1,942	17.0%
98.8%	10,301	13,138	2,837	27.5%
100.0%	7,306	8,632	1,326	18.2%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,937	23,937	0	0.0%
1.2%	23,937	23,937	0	0.0%
2.5%	23,937	23,937	0	0.0%
3.7%	23,937	23,937	0	0.0%
4.9%	23,937	23,937	0	0.0%
6.2%	23,937	23,937	0	0.0%
7.4%	23,937	23,937	0	0.0%
8.6%	23,717	23,937	220	0.9%
9.9%	23,711	23,736	25	0.1%
11.1%	23,659	23,708	49	0.2%
12.3%	23,518	23,446	-72	-0.3%
13.6%	23,116	23,362	245	1.1%
14.8%	22,954	23,298	344	1.5%
16.0%	22,669	22,928	259	1.1%
17.3%	22,601	22,827	225	1.0%
18.5%	22,518	22,492	-27	-0.1%
19.8%	22,431	22,455	24	0.1%
21.0%	22,317	22,384	67	0.3%
22.2%	22,163	22,378	215	1.0%
23.5%	22,142	22,331	189	0.9%
24.7%	22,082	22,270	188	0.8%
25.9%	21,456	21,892	436	2.0%
27.2%	21,409	21,859	450	2.1%
28.4%	21,390	21,852	461	2.2%
29.6%	21,254	21,672	418	2.0%
30.9%	21,251	21,650	399	1.9%
32.1%	21,198	21,290	92	0.4%
33.3%	20,993	21,284	291	1.4%
34.6%	20,895	21,230	335	1.6%
35.8%	20,838	21,229	391	1.9%
37.0%	20,739	21,136	397	1.9%
38.3%	20,736	21,103	368	1.8%
39.5%	20,714	20,830	116	0.6%
40.7%	20,656	20,826	170	0.8%
42.0%	20,600	20,732	133	0.6%
43.2%	20,583	20,613	29	0.1%
44.4%	20,578	20,602	25	0.1%
45.7%	20,383	20,601	218	1.1%
46.9%	20,315	20,568	253	1.2%
48.1%	20,309	20,532	223	1.1%
49.4%	20,258	20,531	273	1.3%
50.6%	20,156	20,469	313	1.6%
51.9%	20,072	20,431	360	1.8%
53.1%	20,044	20,423	379	1.9%
54.3%	20,004	20,402	398	2.0%
55.6%	19,992	20,159	166	0.8%
56.8%	19,913	20,012	99	0.5%
58.0%	19,913	20,010	97	0.5%
59.3%	19,648	19,913	265	1.3%
60.5%	19,532	19,865	333	1.7%
61.7%	19,481	19,808	327	1.7%
63.0%	19,362	19,787	425	2.2%
64.2%	19,320	19,709	390	2.0%
65.4%	19,175	19,688	514	2.7%
66.7%	18,927	19,575	648	3.4%
67.9%	18,737	19,565	828	4.4%
69.1%	18,719	19,431	713	3.8%
70.4%	18,691	19,198	507	2.7%
71.6%	18,673	19,010	336	1.8%
72.8%	18,670	18,889	219	1.2%
74.1%	18,577	18,843	266	1.4%
75.3%	18,472	18,839	366	2.0%
76.5%	18,403	18,768	365	2.0%
77.8%	18,357	18,652	295	1.6%
79.0%	18,281	18,316	35	0.2%
80.2%	18,249	18,196	-53	-0.3%
81.5%	18,199	18,107	-92	-0.5%
82.7%	17,979	18,053	75	0.4%
84.0%	17,819	18,016	197	1.1%
85.2%	16,904	18,013	1,109	6.6%
86.4%	16,216	17,370	1,154	7.1%
87.7%	16,051	17,136	1,084	6.8%
88.9%	15,952	16,758	806	5.1%
90.1%	15,894	16,659	765	4.8%
91.4%	15,052	16,380	1,328	8.8%
92.6%	14,708	15,829	1,122	7.6%
93.8%	14,108	15,708	1,600	11.3%
95.1%	13,928	15,380	1,452	10.4%
96.3%	13,073	15,334	2,261	17.3%
97.5%	10,854	13,379	2,525	23.3%
98.8%	10,166	12,768	2,602	25.6%
100.0%	7,986	9,405	1,420	17.8%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	24,555	24,555	0	0.0%
1.2%	24,461	24,461	0	0.0%
2.5%	24,455	24,455	0	0.0%
3.7%	24,455	24,455	0	0.0%
4.9%	24,445	24,445	0	0.0%
6.2%	24,439	24,397	-43	-0.2%
7.4%	24,397	24,346	-51	-0.2%
8.6%	24,343	24,343	0	0.0%
9.9%	24,311	24,311	0	0.0%
11.1%	24,295	24,295	0	0.0%
12.3%	24,284	24,284	0	0.0%
13.6%	24,247	24,247	0	0.0%
14.8%	24,226	24,226	0	0.0%
16.0%	24,161	24,162	2	0.0%
17.3%	24,156	24,156	0	0.0%
18.5%	24,147	24,147	0	0.0%
19.8%	24,114	24,114	0	0.0%
21.0%	24,065	24,065	0	0.0%
22.2%	24,038	24,017	-20	-0.1%
23.5%	24,017	24,007	-11	0.0%
24.7%	24,007	23,938	-69	-0.3%
25.9%	23,938	23,937	-1	0.0%
27.2%	23,937	23,937	0	0.0%
28.4%	23,937	23,683	-255	-1.1%
29.6%	23,738	23,644	-94	-0.4%
30.9%	23,606	23,511	-95	-0.4%
32.1%	23,564	23,487	-76	-0.3%
33.3%	23,481	23,437	-44	-0.2%
34.6%	23,395	23,357	-38	-0.2%
35.8%	23,097	23,051	-47	-0.2%
37.0%	23,033	23,038	5	0.0%
38.3%	22,869	22,978	109	0.5%
39.5%	22,835	22,777	-59	-0.3%
40.7%	22,735	22,768	33	0.1%
42.0%	22,691	22,702	12	0.1%
43.2%	22,547	22,700	153	0.7%
44.4%	21,928	22,457	529	2.4%
45.7%	21,659	22,421	762	3.5%
46.9%	21,587	22,347	760	3.5%
48.1%	21,485	22,154	668	3.1%
49.4%	21,453	21,814	361	1.7%
50.6%	21,448	21,728	280	1.3%
51.9%	21,441	21,611	170	0.8%
53.1%	21,358	21,583	225	1.1%
54.3%	21,356	21,448	92	0.4%
55.6%	21,297	21,178	-119	-0.6%
56.8%	21,214	21,116	-98	-0.5%
58.0%	20,802	20,969	166	0.8%
59.3%	20,802	20,929	128	0.6%
60.5%	20,796	20,915	119	0.6%
61.7%	20,650	20,759	109	0.5%
63.0%	20,527	20,688	160	0.8%
64.2%	20,385	20,657	273	1.3%
65.4%	20,193	20,595	402	2.0%
66.7%	20,142	20,380	238	1.2%
67.9%	20,040	20,349	309	1.5%
69.1%	19,875	20,344	469	2.4%
70.4%	19,844	20,208	364	1.8%
71.6%	19,664	20,198	533	2.7%
72.8%	19,570	20,187	617	3.2%
74.1%	19,515	20,048	533	2.7%
75.3%	19,501	19,915	413	2.1%
76.5%	19,477	19,700	222	1.1%
77.8%	19,401	19,453	52	0.3%
79.0%	19,305	19,420	115	0.6%
80.2%	19,255	19,177	-78	-0.4%
81.5%	18,903	19,044	141	0.7%
82.7%	18,467	18,940	474	2.6%
84.0%	18,444	18,923	479	2.6%
85.2%	17,812	18,730	918	5.2%
86.4%	17,762	18,538	776	4.4%
87.7%	17,709	18,231	523	3.0%
88.9%	17,623	17,997	374	2.1%
90.1%	17,049	17,985	937	5.5%
91.4%	16,828	17,779	950	5.6%
92.6%	16,147	17,650	1,503	9.3%
93.8%	15,426	17,125	1,699	11.0%
95.1%	15,351	16,311	960	6.3%
96.3%	15,118	15,929	812	5.4%
97.5%	12,796	15,591	2,796	21.8%
98.8%	12,201	13,311	1,110	9.1%
100.0%	11,554	13,303	1,749	15.1%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,451	26,451	0	0.0%
1.2%	26,441	26,441	0	0.0%
2.5%	26,320	26,320	0	0.0%
3.7%	26,215	26,215	0	0.0%
4.9%	26,160	26,160	0	0.0%
6.2%	26,160	26,160	0	0.0%
7.4%	26,063	26,063	0	0.0%
8.6%	26,011	26,011	0	0.0%
9.9%	25,925	25,925	0	0.0%
11.1%	25,914	25,914	0	0.0%
12.3%	25,882	25,882	0	0.0%
13.6%	25,818	25,818	0	0.0%
14.8%	25,540	25,540	0	0.0%
16.0%	25,540	25,540	0	0.0%
17.3%	25,535	25,535	0	0.0%
18.5%	25,428	25,428	0	0.0%
19.8%	25,412	25,412	0	0.0%
21.0%	25,343	25,384	41	0.2%
22.2%	25,342	25,343	1	0.0%
23.5%	25,261	25,342	81	0.3%
24.7%	25,075	25,300	226	0.9%
25.9%	24,932	25,261	329	1.3%
27.2%	24,828	24,944	115	0.5%
28.4%	24,669	24,828	159	0.6%
29.6%	24,573	24,669	96	0.4%
30.9%	24,557	24,573	16	0.1%
32.1%	24,546	24,557	11	0.0%
33.3%	24,504	24,546	43	0.2%
34.6%	24,399	24,504	104	0.4%
35.8%	24,306	24,399	93	0.4%
37.0%	24,284	24,366	82	0.3%
38.3%	24,246	24,306	59	0.2%
39.5%	24,039	24,284	245	1.0%
40.7%	24,034	24,153	119	0.5%
42.0%	23,938	23,938	0	0.0%
43.2%	23,938	23,938	0	0.0%
44.4%	23,937	23,937	0	0.0%
45.7%	23,937	23,937	0	0.0%
46.9%	23,937	23,937	0	0.0%
48.1%	23,921	23,925	4	0.0%
49.4%	23,856	23,890	35	0.1%
50.6%	23,714	23,788	74	0.3%
51.9%	23,688	23,680	-8	0.0%
53.1%	23,653	23,635	-18	-0.1%
54.3%	23,427	23,597	170	0.7%
55.6%	22,707	23,595	888	3.9%
56.8%	22,652	23,193	541	2.4%
58.0%	22,628	22,944	316	1.4%
59.3%	22,575	22,900	325	1.4%
60.5%	22,565	22,889	323	1.4%
61.7%	22,378	22,849	472	2.1%
63.0%	22,281	22,706	425	1.9%
64.2%	22,236	22,628	392	1.8%
65.4%	22,219	22,488	269	1.2%
66.7%	22,164	22,417	253	1.1%
67.9%	22,148	22,409	261	1.2%
69.1%	22,053	22,297	244	1.1%
70.4%	22,044	22,198	154	0.7%
71.6%	21,875	22,049	175	0.8%
72.8%	21,782	21,883	101	0.5%
74.1%	21,554	21,705	151	0.7%
75.3%	21,248	21,704	456	2.1%
76.5%	21,207	21,644	437	2.1%
77.8%	21,161	21,431	270	1.3%
79.0%	21,131	21,193	61	0.3%
80.2%	20,953	21,152	199	1.0%
81.5%	20,834	21,105	271	1.3%
82.7%	20,489	21,043	554	2.7%
84.0%	20,374	20,975	601	2.9%
85.2%	20,307	20,863	556	2.7%
86.4%	20,015	20,651	637	3.2%
87.7%	19,965	20,589	625	3.1%
88.9%	19,233	20,330	1,097	5.7%
90.1%	19,001	20,048	1,048	5.5%
91.4%	18,960	19,550	589	3.1%
92.6%	18,555	19,248	693	3.7%
93.8%	17,856	18,943	1,088	6.1%
95.1%	17,763	18,750	987	5.6%
96.3%	17,704	17,650	-54	-0.3%
97.5%	16,207	16,743	535	3.3%
98.8%	16,165	16,421	256	1.6%
100.0%	12,295	13,884	1,590	12.9%

Table SW-09-b

Shasta Lake, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	27,790	27,790	0	0.0%
1.2%	27,726	27,726	0	0.0%
2.5%	27,653	27,653	0	0.0%
3.7%	27,554	27,554	0	0.0%
4.9%	27,391	27,391	0	0.0%
6.2%	27,315	27,315	0	0.0%
7.4%	27,288	27,288	0	0.0%
8.6%	27,262	27,262	0	0.0%
9.9%	26,979	27,253	274	1.0%
11.1%	26,905	26,979	75	0.3%
12.3%	26,890	26,905	14	0.1%
13.6%	26,883	26,883	0	0.0%
14.8%	26,748	26,748	0	0.0%
16.0%	26,725	26,725	0	0.0%
17.3%	26,675	26,675	0	0.0%
18.5%	26,527	26,588	61	0.2%
19.8%	26,512	26,527	15	0.1%
21.0%	26,357	26,512	154	0.6%
22.2%	26,322	26,357	36	0.1%
23.5%	26,298	26,298	0	0.0%
24.7%	26,252	26,252	0	0.0%
25.9%	26,197	26,197	0	0.0%
27.2%	26,195	26,195	0	0.0%
28.4%	26,122	26,122	0	0.0%
29.6%	26,085	26,085	0	0.0%
30.9%	26,073	25,989	-85	-0.3%
32.1%	25,989	25,811	-177	-0.7%
33.3%	25,732	25,732	0	0.0%
34.6%	25,634	25,634	0	0.0%
35.8%	25,620	25,631	11	0.0%
37.0%	25,612	25,620	8	0.0%
38.3%	25,583	25,620	37	0.1%
39.5%	25,497	25,589	92	0.4%
40.7%	25,471	25,583	112	0.4%
42.0%	25,470	25,515	44	0.2%
43.2%	25,422	25,475	52	0.2%
44.4%	25,348	25,468	120	0.5%
45.7%	25,279	25,422	144	0.6%
46.9%	25,251	25,379	127	0.5%
48.1%	25,240	25,376	135	0.5%
49.4%	25,155	25,348	192	0.8%
50.6%	25,059	25,279	220	0.9%
51.9%	24,893	25,155	262	1.1%
53.1%	24,851	25,059	208	0.8%
54.3%	24,572	24,893	321	1.3%
55.6%	24,503	24,851	348	1.4%
56.8%	24,495	24,790	295	1.2%
58.0%	24,452	24,703	250	1.0%
59.3%	24,371	24,685	314	1.3%
60.5%	24,151	24,625	474	2.0%
61.7%	24,130	24,551	421	1.7%
63.0%	24,095	24,343	248	1.0%
64.2%	23,938	24,151	213	0.9%
65.4%	23,937	24,130	192	0.8%
66.7%	23,937	24,095	158	0.7%
67.9%	23,937	23,938	1	0.0%
69.1%	23,937	23,937	0	0.0%
70.4%	23,815	23,937	123	0.5%
71.6%	23,700	23,937	237	1.0%
72.8%	23,690	23,937	247	1.0%
74.1%	23,434	23,849	415	1.8%
75.3%	23,378	23,677	299	1.3%
76.5%	23,149	23,617	468	2.0%
77.8%	23,077	23,387	310	1.3%
79.0%	22,973	23,348	375	1.6%
80.2%	22,951	23,327	376	1.6%
81.5%	22,890	23,101	212	0.9%
82.7%	22,818	23,017	199	0.9%
84.0%	22,788	22,924	136	0.6%
85.2%	22,740	22,842	101	0.4%
86.4%	22,636	22,765	129	0.6%
87.7%	22,554	22,480	-75	-0.3%
88.9%	22,442	22,450	8	0.0%
90.1%	21,563	22,233	670	3.1%
91.4%	21,201	21,342	141	0.7%
92.6%	20,985	21,295	310	1.5%
93.8%	20,447	21,250	804	3.9%
95.1%	20,033	20,769	736	3.7%
96.3%	17,089	18,051	963	5.6%
97.5%	16,914	17,614	700	4.1%
98.8%	16,563	16,736	173	1.0%
100.0%	16,361	16,559	198	1.2%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,614	29,614	0	0.0%
1.2%	29,120	29,120	0	0.0%
2.5%	29,087	29,087	0	0.0%
3.7%	28,884	28,884	0	0.0%
4.9%	28,833	28,833	0	0.0%
6.2%	28,730	28,730	0	0.0%
7.4%	28,695	28,712	16	0.1%
8.6%	28,687	28,695	9	0.0%
9.9%	28,614	28,687	73	0.3%
11.1%	28,601	28,614	13	0.0%
12.3%	28,593	28,601	8	0.0%
13.6%	28,326	28,566	240	0.8%
14.8%	28,263	28,377	114	0.4%
16.0%	28,241	28,326	86	0.3%
17.3%	28,215	28,241	26	0.1%
18.5%	28,149	28,215	66	0.2%
19.8%	28,138	28,149	11	0.0%
21.0%	28,129	28,138	9	0.0%
22.2%	28,086	28,129	42	0.2%
23.5%	27,986	28,109	123	0.4%
24.7%	27,959	28,086	127	0.5%
25.9%	27,936	28,002	66	0.2%
27.2%	27,905	27,974	68	0.2%
28.4%	27,896	27,936	40	0.1%
29.6%	27,773	27,896	123	0.4%
30.9%	27,760	27,773	13	0.0%
32.1%	27,728	27,760	32	0.1%
33.3%	27,726	27,728	2	0.0%
34.6%	27,691	27,726	34	0.1%
35.8%	27,674	27,691	18	0.1%
37.0%	27,631	27,674	42	0.2%
38.3%	27,631	27,631	0	0.0%
39.5%	27,565	27,631	66	0.2%
40.7%	27,546	27,601	55	0.2%
42.0%	27,530	27,546	15	0.1%
43.2%	27,527	27,527	0	0.0%
44.4%	27,481	27,481	0	0.0%
45.7%	27,430	27,473	43	0.2%
46.9%	27,374	27,430	56	0.2%
48.1%	27,359	27,374	15	0.1%
49.4%	27,208	27,336	128	0.5%
50.6%	27,086	27,320	234	0.9%
51.9%	26,972	27,086	114	0.4%
53.1%	26,919	27,014	95	0.4%
54.3%	26,904	26,955	51	0.2%
55.6%	26,872	26,923	51	0.2%
56.8%	26,584	26,659	74	0.3%
58.0%	26,550	26,614	64	0.2%
59.3%	26,531	26,584	54	0.2%
60.5%	26,506	26,482	-23	-0.1%
61.7%	26,470	26,470	0	0.0%
63.0%	26,220	26,424	203	0.8%
64.2%	26,122	26,264	143	0.5%
65.4%	26,101	26,072	-28	-0.1%
66.7%	26,082	26,013	-69	-0.3%
67.9%	25,796	25,907	111	0.4%
69.1%	25,444	25,543	99	0.4%
70.4%	25,283	25,444	161	0.6%
71.6%	25,278	25,433	155	0.6%
72.8%	24,915	25,408	493	2.0%
74.1%	24,819	25,283	464	1.9%
75.3%	24,816	25,123	307	1.2%
76.5%	24,813	24,915	102	0.4%
77.8%	24,813	24,877	64	0.3%
79.0%	24,813	24,819	5	0.0%
80.2%	24,690	24,816	126	0.5%
81.5%	24,394	24,813	420	1.7%
82.7%	24,362	24,813	452	1.9%
84.0%	24,222	24,813	591	2.4%
85.2%	24,205	24,521	316	1.3%
86.4%	23,989	24,247	258	1.1%
87.7%	23,917	24,194	277	1.2%
88.9%	23,903	24,141	238	1.0%
90.1%	23,824	24,036	212	0.9%
91.4%	23,322	23,858	536	2.3%
92.6%	23,300	23,832	533	2.3%
93.8%	22,906	23,777	872	3.8%
95.1%	22,854	22,843	-11	-0.1%
96.3%	21,663	22,577	914	4.2%
97.5%	20,735	21,491	757	3.6%
98.8%	19,669	19,867	198	1.0%
100.0%	17,062	16,872	-190	-1.1%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	30,000	30,000	0	0.0%
1.2%	30,000	30,000	0	0.0%
2.5%	30,000	30,000	0	0.0%
3.7%	30,000	30,000	0	0.0%
4.9%	30,000	30,000	0	0.0%
6.2%	29,974	30,000	26	0.1%
7.4%	29,961	29,974	13	0.0%
8.6%	29,929	29,961	32	0.1%
9.9%	29,921	29,770	-151	-0.5%
11.1%	29,806	29,738	-68	-0.2%
12.3%	29,802	29,699	-102	-0.3%
13.6%	29,796	29,686	-110	-0.4%
14.8%	29,738	29,600	-138	-0.5%
16.0%	29,686	29,588	-99	-0.3%
17.3%	29,613	29,587	-26	-0.1%
18.5%	29,588	29,512	-76	-0.3%
19.8%	29,581	29,493	-88	-0.3%
21.0%	29,493	29,472	-21	-0.1%
22.2%	29,442	29,454	12	0.0%
23.5%	29,433	29,442	9	0.0%
24.7%	29,399	29,399	1	0.0%
25.9%	29,206	29,358	151	0.5%
27.2%	29,202	29,206	4	0.0%
28.4%	29,159	29,202	43	0.1%
29.6%	29,156	29,168	12	0.0%
30.9%	29,107	29,156	49	0.2%
32.1%	29,071	29,119	49	0.2%
33.3%	28,941	29,098	157	0.5%
34.6%	28,922	29,065	142	0.5%
35.8%	28,876	28,961	86	0.3%
37.0%	28,871	28,933	62	0.2%
38.3%	28,792	28,922	130	0.5%
39.5%	28,744	28,876	131	0.5%
40.7%	28,675	28,871	196	0.7%
42.0%	28,628	28,821	193	0.7%
43.2%	28,617	28,744	127	0.4%
44.4%	28,604	28,723	119	0.4%
45.7%	28,562	28,691	129	0.5%
46.9%	28,561	28,678	116	0.4%
48.1%	28,553	28,623	70	0.2%
49.4%	28,506	28,606	100	0.4%
50.6%	28,502	28,561	59	0.2%
51.9%	28,471	28,506	35	0.1%
53.1%	28,374	28,374	0	0.0%
54.3%	28,243	28,301	58	0.2%
55.6%	28,219	28,277	58	0.2%
56.8%	28,171	28,219	49	0.2%
58.0%	28,133	28,219	86	0.3%
59.3%	28,098	28,148	50	0.2%
60.5%	28,035	28,098	63	0.2%
61.7%	27,949	28,044	95	0.3%
63.0%	27,917	28,035	118	0.4%
64.2%	27,880	27,949	69	0.2%
65.4%	27,771	27,880	109	0.4%
66.7%	27,734	27,774	40	0.1%
67.9%	27,516	27,744	228	0.8%
69.1%	27,512	27,413	-99	-0.4%
70.4%	27,298	27,315	17	0.1%
71.6%	27,278	27,156	-122	-0.4%
72.8%	27,035	27,063	28	0.1%
74.1%	26,865	27,059	194	0.7%
75.3%	26,856	27,042	186	0.7%
76.5%	26,807	26,865	58	0.2%
77.8%	25,553	25,688	136	0.5%
79.0%	25,351	25,317	-33	-0.1%
80.2%	25,019	24,954	-65	-0.3%
81.5%	24,925	24,925	0	0.0%
82.7%	24,612	24,885	274	1.1%
84.0%	24,262	24,872	610	2.5%
85.2%	24,261	24,812	552	2.3%
86.4%	23,802	24,765	964	4.0%
87.7%	23,473	24,534	1,061	4.5%
88.9%	23,209	24,392	1,183	5.1%
90.1%	23,209	23,998	789	3.4%
91.4%	22,751	23,895	1,144	5.0%
92.6%	22,701	23,618	917	4.0%
93.8%	22,368	23,067	699	3.1%
95.1%	22,146	22,788	641	2.9%
96.3%	21,942	22,694	752	3.4%
97.5%	21,546	21,604	58	0.3%
98.8%	20,233	20,414	181	0.9%
100.0%	14,784	15,419	634	4.3%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	30,000	30,000	0	0.0%
1.2%	30,000	30,000	0	0.0%
2.5%	30,000	30,000	0	0.0%
3.7%	30,000	30,000	0	0.0%
4.9%	30,000	30,000	0	0.0%
6.2%	30,000	30,000	0	0.0%
7.4%	30,000	30,000	0	0.0%
8.6%	30,000	30,000	0	0.0%
9.9%	30,000	30,000	0	0.0%
11.1%	30,000	30,000	0	0.0%
12.3%	30,000	30,000	0	0.0%
13.6%	30,000	30,000	0	0.0%
14.8%	30,000	30,000	0	0.0%
16.0%	30,000	30,000	0	0.0%
17.3%	29,936	29,995	59	0.2%
18.5%	29,913	29,938	25	0.1%
19.8%	29,879	29,903	24	0.1%
21.0%	29,775	29,875	99	0.3%
22.2%	29,652	29,841	189	0.6%
23.5%	29,647	29,826	178	0.6%
24.7%	29,605	29,824	218	0.7%
25.9%	29,597	29,750	153	0.5%
27.2%	29,590	29,707	117	0.4%
28.4%	29,531	29,555	24	0.1%
29.6%	29,353	29,477	125	0.4%
30.9%	29,248	29,440	192	0.7%
32.1%	29,126	29,389	263	0.9%
33.3%	29,080	29,381	301	1.0%
34.6%	29,055	29,213	158	0.5%
35.8%	29,054	29,150	95	0.3%
37.0%	29,036	29,146	110	0.4%
38.3%	29,000	29,121	121	0.4%
39.5%	28,891	29,095	204	0.7%
40.7%	28,861	29,075	214	0.7%
42.0%	28,811	29,054	243	0.8%
43.2%	28,752	29,035	283	1.0%
44.4%	28,709	28,989	280	1.0%
45.7%	28,698	28,933	235	0.8%
46.9%	28,660	28,927	266	0.9%
48.1%	28,562	28,881	320	1.1%
49.4%	28,465	28,879	414	1.5%
50.6%	28,332	28,765	433	1.5%
51.9%	28,292	28,692	400	1.4%
53.1%	28,281	28,582	301	1.1%
54.3%	28,212	28,470	259	0.9%
55.6%	28,191	28,442	251	0.9%
56.8%	28,106	28,219	113	0.4%
58.0%	28,094	28,208	114	0.4%
59.3%	28,012	28,123	111	0.4%
60.5%	27,879	27,921	42	0.1%
61.7%	27,738	27,900	161	0.6%
63.0%	27,670	27,713	43	0.2%
64.2%	27,628	27,701	73	0.3%
65.4%	27,555	27,677	122	0.4%
66.7%	27,187	27,596	409	1.5%
67.9%	27,060	27,496	436	1.6%
69.1%	27,055	27,115	60	0.2%
70.4%	26,946	26,976	30	0.1%
71.6%	26,789	26,787	-2	0.0%
72.8%	26,632	26,406	-226	-0.8%
74.1%	25,786	26,153	367	1.4%
75.3%	25,630	26,151	521	2.0%
76.5%	25,366	25,910	544	2.1%
77.8%	25,139	25,638	499	2.0%
79.0%	25,023	25,272	249	1.0%
80.2%	24,383	25,114	730	3.0%
81.5%	23,412	24,481	1,069	4.6%
82.7%	23,349	24,365	1,016	4.4%
84.0%	23,245	23,862	617	2.7%
85.2%	23,088	23,667	578	2.5%
86.4%	23,041	23,610	568	2.5%
87.7%	23,004	23,547	543	2.4%
88.9%	22,803	23,539	736	3.2%
90.1%	22,583	23,524	942	4.2%
91.4%	22,367	23,491	1,124	5.0%
92.6%	22,217	22,932	715	3.2%
93.8%	21,838	22,468	631	2.9%
95.1%	20,958	22,454	1,496	7.1%
96.3%	20,284	21,262	977	4.8%
97.5%	19,743	20,385	643	3.3%
98.8%	19,676	20,277	601	3.1%
100.0%	13,961	15,018	1,057	7.6%

Table SW-09-b

Shasta Lake, End of Month Area

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,776	29,606	-171	-0.6%
1.2%	29,776	29,481	-295	-1.0%
2.5%	29,776	29,443	-334	-1.1%
3.7%	29,776	29,422	-354	-1.2%
4.9%	29,653	29,196	-457	-1.5%
6.2%	29,023	29,086	62	0.2%
7.4%	28,996	28,868	-128	-0.4%
8.6%	28,920	28,859	-61	-0.2%
9.9%	28,806	28,680	-126	-0.4%
11.1%	28,736	28,678	-58	-0.2%
12.3%	28,624	28,639	15	0.1%
13.6%	28,532	28,618	86	0.3%
14.8%	28,513	28,612	99	0.3%
16.0%	28,485	28,548	63	0.2%
17.3%	28,371	28,465	94	0.3%
18.5%	28,284	28,447	162	0.6%
19.8%	28,266	28,380	113	0.4%
21.0%	28,143	28,372	229	0.8%
22.2%	28,133	28,346	213	0.8%
23.5%	28,079	28,293	214	0.8%
24.7%	28,048	28,286	238	0.8%
25.9%	28,031	28,279	248	0.9%
27.2%	27,978	28,233	255	0.9%
28.4%	27,941	28,180	240	0.9%
29.6%	27,884	28,142	258	0.9%
30.9%	27,833	28,132	299	1.1%
32.1%	27,633	28,129	497	1.8%
33.3%	27,538	27,975	436	1.6%
34.6%	27,487	27,969	482	1.8%
35.8%	27,436	27,903	466	1.7%
37.0%	27,261	27,788	527	1.9%
38.3%	27,144	27,695	552	2.0%
39.5%	26,949	27,516	567	2.1%
40.7%	26,918	27,405	487	1.8%
42.0%	26,915	27,270	355	1.3%
43.2%	26,804	27,260	456	1.7%
44.4%	26,636	27,240	604	2.3%
45.7%	26,449	27,164	715	2.7%
46.9%	26,340	27,154	814	3.1%
48.1%	26,310	27,074	763	2.9%
49.4%	26,255	27,021	766	2.9%
50.6%	26,145	27,010	865	3.3%
51.9%	25,968	26,948	980	3.8%
53.1%	25,941	26,689	749	2.9%
54.3%	25,827	26,655	829	3.2%
55.6%	25,809	26,523	714	2.8%
56.8%	25,792	26,479	686	2.7%
58.0%	25,767	26,449	682	2.6%
59.3%	25,679	26,405	726	2.8%
60.5%	25,546	26,252	706	2.8%
61.7%	25,427	26,135	707	2.8%
63.0%	25,394	26,099	706	2.8%
64.2%	25,354	25,663	308	1.2%
65.4%	25,185	25,476	291	1.2%
66.7%	25,088	25,406	318	1.3%
67.9%	25,087	25,073	-14	-0.1%
69.1%	24,850	25,065	215	0.9%
70.4%	24,733	24,874	141	0.6%
71.6%	24,641	24,842	202	0.8%
72.8%	23,962	24,646	683	2.9%
74.1%	23,877	24,196	320	1.3%
75.3%	23,813	24,087	275	1.2%
76.5%	23,274	23,905	631	2.7%
77.8%	23,206	23,804	598	2.6%
79.0%	23,133	23,480	346	1.5%
80.2%	22,086	23,437	1,350	6.1%
81.5%	21,913	22,756	843	3.8%
82.7%	21,909	22,576	667	3.0%
84.0%	21,493	22,434	941	4.4%
85.2%	21,459	22,214	755	3.5%
86.4%	21,195	21,576	381	1.8%
87.7%	21,047	21,260	213	1.0%
88.9%	20,961	20,998	37	0.2%
90.1%	20,622	20,943	321	1.6%
91.4%	19,462	20,852	1,390	7.1%
92.6%	19,451	20,215	764	3.9%
93.8%	19,410	20,030	620	3.2%
95.1%	18,782	20,015	1,233	6.6%
96.3%	17,304	18,368	1,065	6.2%
97.5%	17,201	18,143	941	5.5%
98.8%	16,968	18,084	1,116	6.6%
100.0%	9,886	12,123	2,237	22.6%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	28,275	28,261	-13	0.0%
1.2%	28,275	27,930	-345	-1.2%
2.5%	27,929	27,349	-580	-2.1%
3.7%	27,072	27,278	206	0.8%
4.9%	27,053	27,139	86	0.3%
6.2%	27,043	26,889	-153	-0.6%
7.4%	26,873	26,863	-9	0.0%
8.6%	26,832	26,751	-81	-0.3%
9.9%	26,652	26,724	71	0.3%
11.1%	26,605	26,661	57	0.2%
12.3%	26,252	26,417	165	0.6%
13.6%	26,232	26,383	151	0.6%
14.8%	26,076	26,291	216	0.8%
16.0%	26,050	26,078	28	0.1%
17.3%	25,896	26,048	152	0.6%
18.5%	25,743	26,045	302	1.2%
19.8%	25,703	26,002	299	1.2%
21.0%	25,625	25,821	195	0.8%
22.2%	25,590	25,707	117	0.5%
23.5%	25,492	25,681	189	0.7%
24.7%	25,470	25,646	176	0.7%
25.9%	25,430	25,632	202	0.8%
27.2%	25,367	25,620	253	1.0%
28.4%	25,258	25,493	236	0.9%
29.6%	24,930	25,484	555	2.2%
30.9%	24,858	25,378	520	2.1%
32.1%	24,850	25,162	312	1.3%
33.3%	24,577	25,115	539	2.2%
34.6%	24,516	25,033	517	2.1%
35.8%	24,201	24,945	744	3.1%
37.0%	23,924	24,645	720	3.0%
38.3%	23,782	24,596	814	3.4%
39.5%	23,690	24,399	708	3.0%
40.7%	23,659	24,301	642	2.7%
42.0%	23,654	24,213	560	2.4%
43.2%	23,643	24,179	536	2.3%
44.4%	23,586	24,165	579	2.5%
45.7%	23,553	24,116	562	2.4%
46.9%	23,473	24,051	578	2.5%
48.1%	23,217	23,838	621	2.7%
49.4%	23,122	23,794	672	2.9%
50.6%	23,056	23,765	709	3.1%
51.9%	23,005	23,659	654	2.8%
53.1%	22,995	23,659	664	2.9%
54.3%	22,990	23,659	669	2.9%
55.6%	22,845	23,403	559	2.4%
56.8%	22,707	23,347	640	2.8%
58.0%	22,683	23,331	648	2.9%
59.3%	22,624	23,014	390	1.7%
60.5%	22,344	22,960	616	2.8%
61.7%	22,256	22,708	451	2.0%
63.0%	22,247	22,647	399	1.8%
64.2%	22,200	22,407	207	0.9%
65.4%	22,172	22,255	83	0.4%
66.7%	21,860	22,066	206	0.9%
67.9%	21,816	21,903	86	0.4%
69.1%	21,680	21,875	195	0.9%
70.4%	21,585	21,868	283	1.3%
71.6%	21,524	21,849	325	1.5%
72.8%	21,438	21,799	361	1.7%
74.1%	21,119	21,683	565	2.7%
75.3%	20,606	21,645	1,039	5.0%
76.5%	20,541	21,444	904	4.4%
77.8%	20,374	21,085	711	3.5%
79.0%	20,128	20,823	695	3.5%
80.2%	20,091	20,756	665	3.3%
81.5%	19,601	20,168	567	2.9%
82.7%	19,564	19,914	351	1.8%
84.0%	18,808	19,908	1,101	5.9%
85.2%	18,630	19,854	1,224	6.6%
86.4%	18,398	19,462	1,064	5.8%
87.7%	18,395	19,277	882	4.8%
88.9%	18,375	19,122	747	4.1%
90.1%	18,302	18,902	600	3.3%
91.4%	16,325	17,572	1,246	7.6%
92.6%	16,321	17,338	1,017	6.2%
93.8%	15,901	16,800	899	5.7%
95.1%	15,399	16,766	1,367	8.9%
96.3%	14,826	15,679	853	5.8%
97.5%	13,810	15,483	1,673	12.1%
98.8%	13,318	15,356	2,039	15.3%
100.0%	7,002	9,188	2,186	31.2%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,331	26,331	0	0.0%
1.2%	26,331	26,331	0	0.0%
2.5%	26,331	26,088	-242	-0.9%
3.7%	25,873	26,086	213	0.8%
4.9%	25,482	25,935	452	1.8%
6.2%	25,327	25,353	26	0.1%
7.4%	25,250	25,294	44	0.2%
8.6%	24,993	25,153	160	0.6%
9.9%	24,912	25,140	229	0.9%
11.1%	24,727	25,125	398	1.6%
12.3%	24,726	24,973	248	1.0%
13.6%	24,685	24,875	190	0.8%
14.8%	24,648	24,817	169	0.7%
16.0%	24,609	24,802	193	0.8%
17.3%	24,456	24,597	140	0.6%
18.5%	24,411	24,572	161	0.7%
19.8%	24,351	24,537	186	0.8%
21.0%	24,333	24,317	-16	-0.1%
22.2%	24,275	24,278	2	0.0%
23.5%	24,218	24,231	13	0.1%
24.7%	24,007	24,148	141	0.6%
25.9%	23,980	24,130	151	0.6%
27.2%	23,786	24,098	312	1.3%
28.4%	23,673	23,882	210	0.9%
29.6%	23,366	23,798	432	1.8%
30.9%	23,254	23,659	406	1.7%
32.1%	22,928	23,498	570	2.5%
33.3%	22,805	23,276	471	2.1%
34.6%	22,720	23,235	515	2.3%
35.8%	22,691	23,026	336	1.5%
37.0%	22,403	23,001	598	2.7%
38.3%	22,163	22,721	559	2.5%
39.5%	22,021	22,712	691	3.1%
40.7%	21,895	22,643	748	3.4%
42.0%	21,753	22,628	875	4.0%
43.2%	21,727	22,536	809	3.7%
44.4%	21,705	22,513	808	3.7%
45.7%	21,698	22,412	714	3.3%
46.9%	21,689	22,371	682	3.1%
48.1%	21,513	22,335	822	3.8%
49.4%	21,505	22,220	716	3.3%
50.6%	21,463	22,168	705	3.3%
51.9%	21,423	21,958	535	2.5%
53.1%	21,401	21,863	463	2.2%
54.3%	21,368	21,805	437	2.0%
55.6%	21,244	21,609	364	1.7%
56.8%	21,213	21,357	144	0.7%
58.0%	21,207	21,270	63	0.3%
59.3%	20,989	21,263	274	1.3%
60.5%	20,975	21,149	174	0.8%
61.7%	20,766	21,090	325	1.6%
63.0%	20,398	21,061	664	3.3%
64.2%	20,361	20,943	582	2.9%
65.4%	20,283	20,902	620	3.1%
66.7%	20,238	20,776	538	2.7%
67.9%	20,229	20,649	420	2.1%
69.1%	19,947	20,573	626	3.1%
70.4%	19,937	20,513	576	2.9%
71.6%	19,866	20,406	540	2.7%
72.8%	19,737	20,360	623	3.2%
74.1%	19,611	20,120	509	2.6%
75.3%	19,280	19,949	669	3.5%
76.5%	19,170	19,899	728	3.8%
77.8%	18,588	19,617	1,029	5.5%
79.0%	18,486	19,583	1,097	5.9%
80.2%	18,459	19,040	581	3.1%
81.5%	18,383	18,703	319	1.7%
82.7%	18,357	18,150	-207	-1.1%
84.0%	18,294	18,082	-213	-1.2%
85.2%	17,319	18,074	755	4.4%
86.4%	17,212	17,952	740	4.3%
87.7%	16,834	17,940	1,105	6.6%
88.9%	16,608	17,677	1,069	6.4%
90.1%	16,524	17,192	668	4.0%
91.4%	15,086	15,701	615	4.1%
92.6%	14,527	15,499	972	6.7%
93.8%	14,384	15,447	1,064	7.4%
95.1%	13,032	14,972	1,940	14.9%
96.3%	12,288	14,025	1,737	14.1%
97.5%	12,008	13,937	1,929	16.1%
98.8%	10,375	13,450	3,074	29.6%
100.0%	7,002	7,002	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	24,728	24,728	0	0.0%
1.2%	24,728	24,728	0	0.0%
2.5%	24,728	24,728	0	0.0%
3.7%	24,537	24,728	191	0.8%
4.9%	24,499	24,688	189	0.8%
6.2%	24,129	24,612	483	2.0%
7.4%	24,073	24,358	285	1.2%
8.6%	23,491	24,251	760	3.2%
9.9%	23,346	23,842	495	2.1%
11.1%	23,326	23,817	491	2.1%
12.3%	23,218	23,659	442	1.9%
13.6%	22,948	23,371	422	1.8%
14.8%	22,888	23,272	385	1.7%
16.0%	22,754	23,184	430	1.9%
17.3%	22,742	22,818	76	0.3%
18.5%	22,724	22,720	-5	0.0%
19.8%	22,722	22,697	-25	-0.1%
21.0%	22,713	22,696	-17	-0.1%
22.2%	22,628	22,586	-42	-0.2%
23.5%	22,508	22,345	-164	-0.7%
24.7%	22,429	22,277	-152	-0.7%
25.9%	22,373	22,206	-167	-0.7%
27.2%	21,978	22,157	180	0.8%
28.4%	21,902	22,108	206	0.9%
29.6%	21,663	22,105	443	2.0%
30.9%	21,632	22,095	463	2.1%
32.1%	21,629	22,069	440	2.0%
33.3%	21,600	22,052	452	2.1%
34.6%	21,549	21,979	430	2.0%
35.8%	21,481	21,923	441	2.1%
37.0%	21,434	21,897	463	2.2%
38.3%	21,352	21,871	520	2.4%
39.5%	21,236	21,865	629	3.0%
40.7%	21,215	21,853	639	3.0%
42.0%	21,121	21,784	663	3.1%
43.2%	21,099	21,687	588	2.8%
44.4%	20,972	21,422	450	2.1%
45.7%	20,926	21,321	395	1.9%
46.9%	20,852	21,311	459	2.2%
48.1%	20,832	21,291	459	2.2%
49.4%	20,768	21,288	519	2.5%
50.6%	20,762	21,234	472	2.3%
51.9%	20,688	21,221	533	2.6%
53.1%	20,675	21,119	445	2.2%
54.3%	20,444	20,887	443	2.2%
55.6%	20,357	20,871	513	2.5%
56.8%	20,350	20,788	438	2.2%
58.0%	20,089	20,723	633	3.2%
59.3%	20,025	20,654	628	3.1%
60.5%	19,738	20,604	866	4.4%
61.7%	19,625	20,489	864	4.4%
63.0%	19,559	20,488	928	4.7%
64.2%	19,483	20,006	524	2.7%
65.4%	19,382	19,902	520	2.7%
66.7%	19,355	19,787	432	2.2%
67.9%	19,196	19,743	546	2.8%
69.1%	19,161	19,727	566	3.0%
70.4%	19,149	19,548	399	2.1%
71.6%	19,133	19,542	409	2.1%
72.8%	19,046	19,419	373	2.0%
74.1%	18,949	19,340	391	2.1%
75.3%	18,878	19,254	376	2.0%
76.5%	18,752	18,878	126	0.7%
77.8%	18,603	18,828	225	1.2%
79.0%	18,548	18,688	140	0.8%
80.2%	18,483	18,578	94	0.5%
81.5%	18,428	17,873	-555	-3.0%
82.7%	18,251	17,766	-485	-2.7%
84.0%	17,110	17,682	572	3.3%
85.2%	16,964	17,659	695	4.1%
86.4%	16,794	17,598	803	4.8%
87.7%	16,731	17,317	586	3.5%
88.9%	16,393	17,089	695	4.2%
90.1%	16,040	16,630	590	3.7%
91.4%	15,327	15,845	518	3.4%
92.6%	14,045	15,260	1,214	8.6%
93.8%	13,688	14,878	1,190	8.7%
95.1%	12,559	13,830	1,272	10.1%
96.3%	11,870	13,498	1,628	13.7%
97.5%	11,645	13,452	1,807	15.5%
98.8%	10,047	12,868	2,821	28.1%
100.0%	8,572	9,859	1,287	15.0%

Figure SW-10-b
Sacramento River below Keswick Reservoir, Monthly Flow
Probability of Exceedance

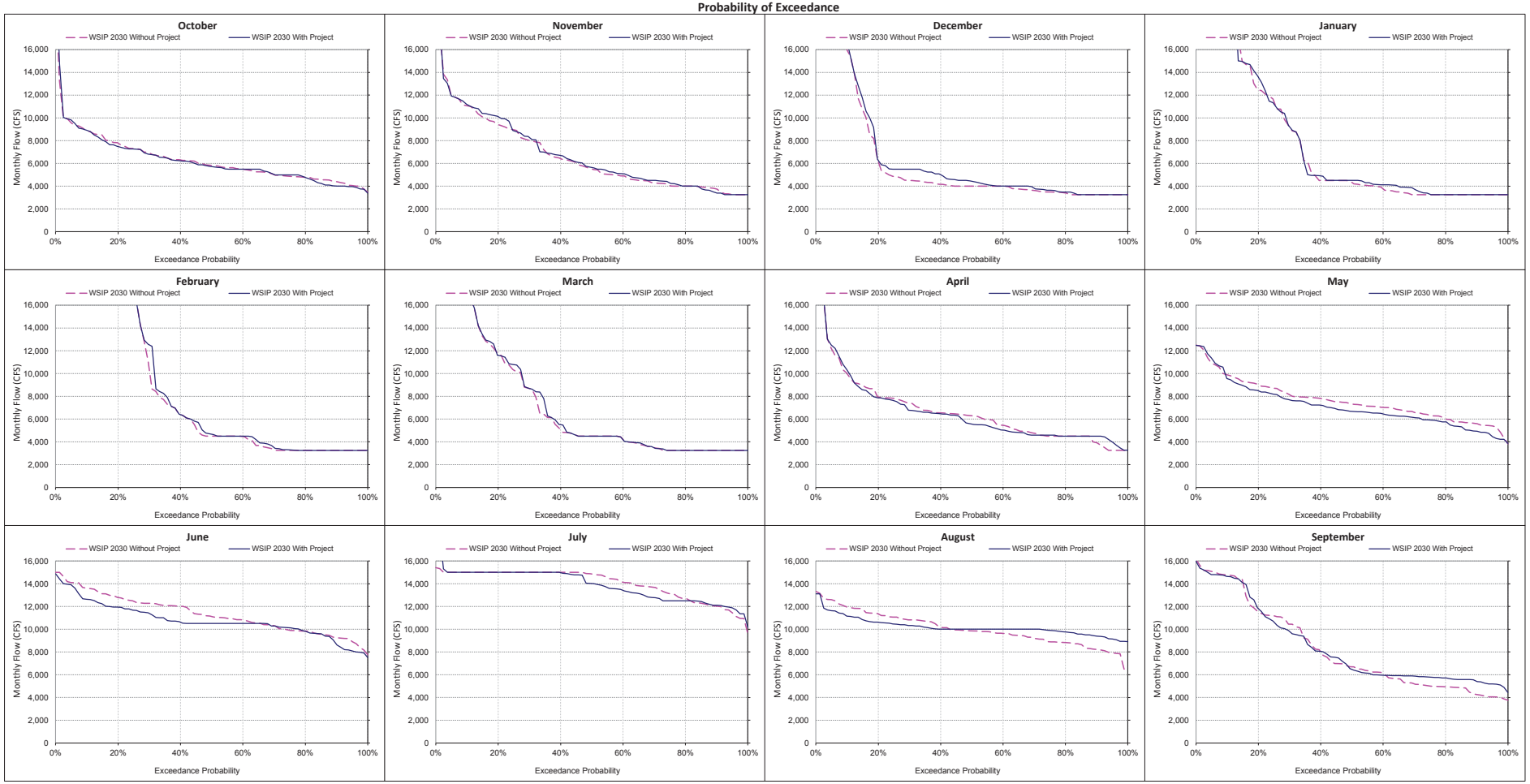


Table SW-10-b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,482	23,314	2,832	13.8%
1.2%	13,269	14,718	1,448	10.9%
2.5%	10,011	10,032	21	0.2%
3.7%	9,944	9,929	-15	-0.1%
4.9%	9,583	9,836	252	2.6%
6.2%	9,329	9,519	190	2.0%
7.4%	9,298	9,097	-201	-2.2%
8.6%	9,112	9,036	-76	-0.8%
9.9%	8,862	8,926	64	0.7%
11.1%	8,782	8,795	13	0.1%
12.3%	8,589	8,511	-78	-0.9%
13.6%	8,536	8,331	-204	-2.4%
14.8%	8,502	8,060	-442	-5.2%
16.0%	8,033	7,913	-120	-1.5%
17.3%	7,987	7,637	-350	-4.4%
18.5%	7,832	7,634	-199	-2.5%
19.8%	7,819	7,492	-327	-4.2%
21.0%	7,613	7,414	-199	-2.6%
22.2%	7,490	7,320	-170	-2.3%
23.5%	7,321	7,280	-40	-0.6%
24.7%	7,305	7,265	-40	-0.5%
25.9%	7,302	7,253	-49	-0.7%
27.2%	7,219	7,217	-2	0.0%
28.4%	6,996	6,926	-71	-1.0%
29.6%	6,989	6,821	-168	-2.4%
30.9%	6,797	6,778	-19	-0.3%
32.1%	6,713	6,713	0	0.0%
33.3%	6,656	6,550	-106	-1.6%
34.6%	6,622	6,528	-93	-1.4%
35.8%	6,470	6,462	-7	-0.1%
37.0%	6,349	6,322	-27	-0.4%
38.3%	6,327	6,264	-63	-1.0%
39.5%	6,324	6,244	-80	-1.3%
40.7%	6,266	6,204	-62	-1.0%
42.0%	6,262	6,193	-68	-1.1%
43.2%	6,225	6,131	-94	-1.5%
44.4%	6,206	6,016	-190	-3.1%
45.7%	6,026	5,885	-141	-2.3%
46.9%	5,990	5,878	-112	-1.9%
48.1%	5,865	5,812	-52	-0.9%
49.4%	5,842	5,737	-104	-1.8%
50.6%	5,785	5,691	-94	-1.6%
51.9%	5,778	5,645	-132	-2.3%
53.1%	5,682	5,639	-42	-0.7%
54.3%	5,635	5,512	-123	-2.2%
55.6%	5,627	5,500	-127	-2.3%
56.8%	5,623	5,500	-123	-2.2%
58.0%	5,541	5,500	-41	-0.7%
59.3%	5,537	5,500	-37	-0.7%
60.5%	5,467	5,500	33	0.6%
61.7%	5,415	5,500	85	1.6%
63.0%	5,343	5,500	157	2.9%
64.2%	5,262	5,500	238	4.5%
65.4%	5,260	5,484	224	4.3%
66.7%	5,244	5,326	82	1.6%
67.9%	5,200	5,272	72	1.4%
69.1%	5,101	5,118	17	0.3%
70.4%	4,967	5,000	33	0.7%
71.6%	4,966	5,000	34	0.7%
72.8%	4,923	5,000	77	1.6%
74.1%	4,883	5,000	117	2.4%
75.3%	4,863	5,000	137	2.8%
76.5%	4,832	5,000	168	3.5%
77.8%	4,824	4,979	155	3.2%
79.0%	4,797	4,879	81	1.7%
80.2%	4,771	4,737	-34	-0.7%
81.5%	4,766	4,625	-141	-3.0%
82.7%	4,625	4,496	-129	-2.8%
84.0%	4,619	4,306	-313	-6.8%
85.2%	4,554	4,226	-328	-7.2%
86.4%	4,553	4,108	-445	-9.8%
87.7%	4,540	4,104	-436	-9.6%
88.9%	4,414	4,028	-386	-8.7%
90.1%	4,388	4,010	-379	-8.6%
91.4%	4,313	4,000	-313	-7.3%
92.6%	4,251	4,000	-251	-5.9%
93.8%	4,077	3,964	-113	-2.8%
95.1%	4,055	3,951	-104	-2.6%
96.3%	4,000	3,899	-101	-2.5%
97.5%	4,000	3,762	-238	-6.0%
98.8%	3,746	3,740	-7	-0.2%
100.0%	3,468	3,390	-78	-2.2%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,009	22,765	1,756	8.4%
1.2%	17,899	18,693	795	4.4%
2.5%	13,829	13,451	-378	-2.7%
3.7%	13,358	13,037	-321	-2.4%
4.9%	11,945	11,922	-23	-0.2%
6.2%	11,815	11,815	0	0.0%
7.4%	11,658	11,658	0	0.0%
8.6%	11,147	11,496	349	3.1%
9.9%	11,072	11,200	128	1.2%
11.1%	11,009	11,022	13	0.1%
12.3%	10,751	10,873	123	1.1%
13.6%	10,352	10,800	449	4.3%
14.8%	10,108	10,394	287	2.8%
16.0%	9,953	10,374	422	4.2%
17.3%	9,742	10,295	553	5.7%
18.5%	9,683	10,218	535	5.5%
19.8%	9,437	10,158	721	7.6%
21.0%	9,321	9,940	619	6.6%
22.2%	9,202	9,912	710	7.7%
23.5%	9,022	9,715	693	7.7%
24.7%	8,974	8,893	-81	-0.9%
25.9%	8,893	8,778	-115	-1.3%
27.2%	8,270	8,658	388	4.7%
28.4%	8,145	8,389	245	3.0%
29.6%	8,048	8,372	325	4.0%
30.9%	7,986	8,104	118	1.5%
32.1%	7,882	8,068	186	2.4%
33.3%	7,830	7,030	-799	-10.2%
34.6%	7,210	7,009	-201	-2.8%
35.8%	6,848	6,899	51	0.7%
37.0%	6,646	6,869	223	3.4%
38.3%	6,545	6,767	222	3.4%
39.5%	6,487	6,716	229	3.5%
40.7%	6,326	6,646	320	5.1%
42.0%	6,306	6,418	111	1.8%
43.2%	6,225	6,317	93	1.5%
44.4%	6,138	6,181	43	0.7%
45.7%	5,880	6,079	199	3.4%
46.9%	5,789	6,029	241	4.2%
48.1%	5,672	5,731	59	1.0%
49.4%	5,551	5,672	121	2.2%
50.6%	5,460	5,607	147	2.7%
51.9%	5,429	5,500	71	1.3%
53.1%	5,087	5,500	413	8.1%
54.3%	5,061	5,415	354	7.0%
55.6%	5,036	5,255	219	4.4%
56.8%	5,002	5,231	229	4.6%
58.0%	4,980	5,122	142	2.8%
59.3%	4,906	5,108	203	4.1%
60.5%	4,892	5,081	188	3.8%
61.7%	4,644	4,950	306	6.6%
63.0%	4,579	4,794	215	4.7%
64.2%	4,544	4,726	182	4.0%
65.4%	4,489	4,686	197	4.4%
66.7%	4,485	4,594	109	2.4%
67.9%	4,473	4,516	43	1.0%
69.1%	4,326	4,500	174	4.0%
70.4%	4,279	4,500	221	5.2%
71.6%	4,242	4,457	215	5.1%
72.8%	4,236	4,434	198	4.7%
74.1%	4,204	4,412	208	5.0%
75.3%	4,006	4,242	236	5.9%
76.5%	4,000	4,204	204	5.1%
77.8%	4,000	4,126	126	3.1%
79.0%	4,000	4,000	0	0.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	4,000	0	0.0%
82.7%	4,000	4,000	0	0.0%
84.0%	3,971	4,000	29	0.7%
85.2%	3,931	3,767	-164	-4.2%
86.4%	3,885	3,670	-215	-5.5%
87.7%	3,854	3,644	-209	-5.4%
88.9%	3,823	3,498	-325	-8.5%
90.1%	3,739	3,387	-352	-9.4%
91.4%	3,481	3,380	-101	-2.9%
92.6%	3,334	3,261	-73	-2.2%
93.8%	3,321	3,250	-71	-2.1%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,077	30,100	23	0.1%
1.2%	26,650	27,397	747	2.8%
2.5%	24,364	24,364	0	0.0%
3.7%	24,085	23,634	-451	-1.9%
4.9%	23,634	21,894	-1,740	-7.4%
6.2%	18,545	18,545	0	0.0%
7.4%	18,097	17,296	-802	-4.4%
8.6%	17,123	17,222	99	0.6%
9.9%	16,028	16,783	755	4.7%
11.1%	15,388	15,388	0	0.0%
12.3%	13,886	13,886	0	0.0%
13.6%	11,696	12,809	1,113	9.5%
14.8%	10,819	11,813	994	9.2%
16.0%	10,043	10,576	533	5.3%
17.3%	8,478	10,016	1,538	18.1%
18.5%	8,210	9,167	957	11.7%
19.8%	6,353	6,353	0	0.0%
21.0%	5,365	5,888	523	9.7%
22.2%	5,190	5,800	610	11.8%
23.5%	4,992	5,518	525	10.5%
24.7%	4,857	5,500	643	13.2%
25.9%	4,846	5,500	654	13.5%
27.2%	4,738	5,500	762	16.1%
28.4%	4,534	5,500	965	21.3%
29.6%	4,498	5,500	1,002	22.3%
30.9%	4,492	5,500	1,008	22.4%
32.1%	4,461	5,500	1,039	23.3%
33.3%	4,447	5,500	1,053	23.7%
34.6%	4,376	5,338	962	22.0%
35.8%	4,334	5,247	913	21.1%
37.0%	4,327	5,242	915	21.1%
38.3%	4,222	5,084	862	20.4%
39.5%	4,169	5,082	913	21.9%
40.7%	4,160	4,902	742	17.8%
42.0%	4,087	4,640	553	13.5%
43.2%	4,048	4,609	561	13.9%
44.4%	4,000	4,572	572	14.3%
45.7%	4,000	4,500	500	12.5%
46.9%	4,000	4,500	500	12.5%
48.1%	4,000	4,500	500	12.5%
49.4%	4,000	4,466	466	11.7%
50.6%	4,000	4,395	395	9.9%
51.9%	4,000	4,323	323	8.1%
53.1%	4,000	4,242	242	6.1%
54.3%	4,000	4,160	160	4.0%
55.6%	4,000	4,097	97	2.4%
56.8%	4,000	4,055	55	1.4%
58.0%	4,000	4,004	4	0.1%
59.3%	4,000	4,000	0	0.0%
60.5%	4,000	4,000	0	0.0%
61.7%	3,959	4,000	41	1.0%
63.0%	3,781	4,000	219	5.8%
64.2%	3,764	4,000	236	6.3%
65.4%	3,744	4,000	256	6.8%
66.7%	3,707	4,000	293	7.9%
67.9%	3,690	4,000	310	8.4%
69.1%	3,650	3,959	309	8.5%
70.4%	3,609	3,764	155	4.3%
71.6%	3,551	3,744	193	5.4%
72.8%	3,494	3,707	213	6.1%
74.1%	3,493	3,650	157	4.5%
75.3%	3,490	3,648	159	4.5%
76.5%	3,472	3,609	137	4.0%
77.8%	3,471	3,494	24	0.7%
79.0%	3,439	3,493	54	1.6%
80.2%	3,392	3,490	98	2.9%
81.5%	3,251	3,472	221	6.8%
82.7%	3,250	3,392	142	4.4%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	50,381	50,381	0	0.0%
1.2%	38,601	38,601	0	0.0%
2.5%	37,180	37,180	0	0.0%
3.7%	33,556	33,556	0	0.0%
4.9%	29,077	29,077	0	0.0%
6.2%	28,527	28,392	-134	-0.5%
7.4%	24,826	26,118	1,292	5.2%
8.6%	22,825	24,687	1,862	8.2%
9.9%	22,150	22,825	675	3.0%
11.1%	21,937	22,150	213	1.0%
12.3%	21,569	21,937	368	1.7%
13.6%	17,052	15,000	-2,052	-12.0%
14.8%	14,963	14,963	0	0.0%
16.0%	14,689	14,791	101	0.7%
17.3%	14,657	14,689	33	0.2%
18.5%	13,036	14,155	1,118	8.6%
19.8%	12,472	13,699	1,227	9.8%
21.0%	12,402	13,136	734	5.9%
22.2%	12,093	12,386	293	2.4%
23.5%	11,922	11,471	-451	-3.8%
24.7%	11,664	11,329	-335	-2.9%
25.9%	10,781	10,858	76	0.7%
27.2%	10,777	10,532	-245	-2.3%
28.4%	9,846	10,408	563	5.7%
29.6%	9,348	9,348	0	0.0%
30.9%	8,856	8,904	49	0.5%
32.1%	8,766	8,766	0	0.0%
33.3%	8,031	8,031	0	0.0%
34.6%	6,268	6,268	0	0.0%
35.8%	6,170	5,003	-1,167	-18.9%
37.0%	5,145	4,950	-195	-3.8%
38.3%	4,915	4,950	35	0.7%
39.5%	4,500	4,915	415	9.2%
40.7%	4,500	4,868	368	8.2%
42.0%	4,500	4,500	0	0.0%
43.2%	4,500	4,500	0	0.0%
44.4%	4,500	4,500	0	0.0%
45.7%	4,500	4,500	0	0.0%
46.9%	4,500	4,500	0	0.0%
48.1%	4,500	4,500	0	0.0%
49.4%	4,465	4,500	35	0.8%
50.6%	4,202	4,500	298	7.1%
51.9%	4,165	4,500	335	8.0%
53.1%	4,087	4,465	378	9.2%
54.3%	4,082	4,298	216	5.3%
55.6%	4,040	4,298	258	6.4%
56.8%	4,025	4,165	140	3.5%
58.0%	3,979	4,149	170	4.3%
59.3%	3,926	4,125	199	5.1%
60.5%	3,638	4,125	487	13.4%
61.7%	3,629	4,125	496	13.7%
63.0%	3,584	4,087	503	14.0%
64.2%	3,502	4,082	580	16.6%
65.4%	3,488	3,926	438	12.6%
66.7%	3,417	3,919	501	14.7%
67.9%	3,389	3,883	493	14.6%
69.1%	3,255	3,874	619	19.0%
70.4%	3,250	3,698	448	13.8%
71.6%	3,250	3,532	282	8.7%
72.8%	3,250	3,417	167	5.2%
74.1%	3,250	3,393	143	4.4%
75.3%	3,250	3,262	12	0.4%
76.5%	3,250	3,260	10	0.3%
77.8%	3,250	3,255	5	0.1%
79.0%	3,250	3,250	0	0.0%
80.2%	3,250	3,250	0	0.0%
81.5%	3,250	3,250	0	0.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

Table SW-10-b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	53,417	53,417	0	0.0%
1.2%	50,275	50,275	0	0.0%
2.5%	39,207	39,773	566	1.4%
3.7%	38,056	39,207	1,151	3.0%
4.9%	38,051	38,056	5	0.0%
6.2%	36,392	36,392	0	0.0%
7.4%	34,350	34,350	0	0.0%
8.6%	32,084	32,084	0	0.0%
9.9%	30,245	30,245	0	0.0%
11.1%	29,446	30,113	667	2.3%
12.3%	27,865	29,446	1,581	5.7%
13.6%	26,990	27,865	875	3.2%
14.8%	26,644	26,990	346	1.3%
16.0%	26,311	26,311	0	0.0%
17.3%	25,626	26,068	442	1.7%
18.5%	24,390	24,390	0	0.0%
19.8%	23,076	23,076	0	0.0%
21.0%	21,643	21,643	0	0.0%
22.2%	20,242	20,242	0	0.0%
23.5%	20,206	20,206	0	0.0%
24.7%	19,346	19,346	0	0.0%
25.9%	16,279	16,279	0	0.0%
27.2%	14,250	14,250	0	0.0%
28.4%	12,789	12,941	151	1.2%
29.6%	11,089	12,583	1,494	13.5%
30.9%	8,650	12,384	3,734	43.2%
32.1%	8,432	8,650	218	2.6%
33.3%	7,909	8,432	523	6.6%
34.6%	7,717	8,271	554	7.2%
35.8%	7,294	7,909	615	8.4%
37.0%	7,118	7,117	-1	0.0%
38.3%	6,961	6,961	0	0.0%
39.5%	6,435	6,435	0	0.0%
40.7%	6,324	6,324	0	0.0%
42.0%	6,092	6,092	0	0.0%
43.2%	6,001	6,001	0	0.0%
44.4%	5,527	5,826	299	5.4%
45.7%	4,852	5,703	851	17.5%
46.9%	4,595	5,055	460	10.0%
48.1%	4,500	4,772	272	6.0%
49.4%	4,500	4,714	214	4.8%
50.6%	4,500	4,625	125	2.8%
51.9%	4,500	4,500	0	0.0%
53.1%	4,500	4,500	0	0.0%
54.3%	4,500	4,500	0	0.0%
55.6%	4,500	4,500	0	0.0%
56.8%	4,500	4,500	0	0.0%
58.0%	4,500	4,500	0	0.0%
59.3%	4,491	4,500	9	0.2%
60.5%	4,451	4,500	49	1.1%
61.7%	4,207	4,491	285	6.8%
63.0%	4,107	4,451	344	8.4%
64.2%	3,679	4,207	528	14.3%
65.4%	3,675	3,901	226	6.1%
66.7%	3,560	3,875	315	8.9%
67.9%	3,488	3,807	319	9.1%
69.1%	3,414	3,679	265	7.8%
70.4%	3,250	3,414	164	5.0%
71.6%	3,250	3,413	163	5.0%
72.8%	3,250	3,313	63	1.9%
74.1%	3,250	3,306	56	1.7%
75.3%	3,250	3,297	47	1.5%
76.5%	3,250	3,258	8	0.2%
77.8%	3,250	3,250	0	0.0%
79.0%	3,250	3,250	0	0.0%
80.2%	3,250	3,250	0	0.0%
81.5%	3,250	3,250	0	0.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	55,765	55,765	0	0.0%
1.2%	49,855	49,855	0	0.0%
2.5%	37,105	37,105	0	0.0%
3.7%	36,029	36,029	0	0.0%
4.9%	26,743	25,396	-1,347	-5.0%
6.2%	23,420	23,420	0	0.0%
7.4%	22,946	22,946	0	0.0%
8.6%	21,803	21,803	0	0.0%
9.9%	20,393	20,393	0	0.0%
11.1%	16,622	16,622	0	0.0%
12.3%	15,749	15,749	0	0.0%
13.6%	14,212	14,212	0	0.0%
14.8%	13,341	13,476	135	1.0%
16.0%	12,837	12,951	115	0.9%
17.3%	12,606	12,837	231	1.8%
18.5%	12,239	12,606	366	3.0%
19.8%	11,794	11,591	-203	-1.7%
21.0%	11,591	11,550	-41	-0.4%
22.2%	10,858	11,442	584	5.4%
23.5%	10,757	10,858	100	0.9%
24.7%	10,358	10,791	434	4.2%
25.9%	10,151	10,757	606	6.0%
27.2%	10,103	10,358	254	2.5%
28.4%	8,803	8,866	63	0.7%
29.6%	8,721	8,721	0	0.0%
30.9%	8,622	8,622	0	0.0%
32.1%	7,882	8,408	526	6.7%
33.3%	6,480	8,380	1,899	29.3%
34.6%	6,440	7,815	1,375	21.4%
35.8%	6,142	6,285	143	2.3%
37.0%	6,131	6,142	11	0.2%
38.3%	5,524	5,924	400	7.2%
39.5%	5,203	5,524	321	6.2%
40.7%	4,830	5,481	651	13.5%
42.0%	4,827	4,830	3	0.1%
43.2%	4,762	4,768	6	0.1%
44.4%	4,644	4,644	0	0.0%
45.7%	4,500	4,500	0	0.0%
46.9%	4,500	4,500	0	0.0%
48.1%	4,500	4,500	0	0.0%
49.4%	4,500	4,500	0	0.0%
50.6%	4,500	4,500	0	0.0%
51.9%	4,500	4,500	0	0.0%
53.1%	4,500	4,500	0	0.0%
54.3%	4,500	4,500	0	0.0%
55.6%	4,500	4,500	0	0.0%
56.8%	4,500	4,500	0	0.0%
58.0%	4,500	4,500	0	0.0%
59.3%	4,431	4,431	0	0.0%
60.5%	4,048	4,048	0	0.0%
61.7%	3,979	3,994	16	0.4%
63.0%	3,958	3,979	20	0.5%
64.2%	3,898	3,916	18	0.5%
65.4%	3,768	3,898	130	3.4%
66.7%	3,704	3,768	65	1.7%
67.9%	3,602	3,602	0	0.0%
69.1%	3,575	3,595	20	0.6%
70.4%	3,455	3,422	-32	-0.9%
71.6%	3,422	3,404	-18	-0.5%
72.8%	3,250	3,378	128	3.9%
74.1%	3,250	3,250	0	0.0%
75.3%	3,250	3,250	0	0.0%
76.5%	3,250	3,250	0	0.0%
77.8%	3,250	3,250	0	0.0%
79.0%	3,250	3,250	0	0.0%
80.2%	3,250	3,250	0	0.0%
81.5%	3,250	3,250	0	0.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,315	31,315	0	0.0%
1.2%	23,960	23,960	0	0.0%
2.5%	16,657	16,657	0	0.0%
3.7%	13,026	13,026	0	0.0%
4.9%	12,204	12,502	297	2.4%
6.2%	11,590	12,204	614	5.3%
7.4%	11,360	11,524	164	1.4%
8.6%	10,336	10,822	486	4.7%
9.9%	10,045	10,336	291	2.9%
11.1%	9,548	9,840	291	3.1%
12.3%	9,186	9,186	0	0.0%
13.6%	9,115	8,855	-259	-2.8%
14.8%	8,977	8,572	-406	-4.5%
16.0%	8,782	8,516	-266	-3.0%
17.3%	8,675	8,247	-428	-4.9%
18.5%	8,672	7,961	-711	-8.2%
19.8%	7,961	7,871	-90	-1.1%
21.0%	7,872	7,861	-12	-0.1%
22.2%	7,868	7,757	-110	-1.4%
23.5%	7,861	7,725	-136	-1.7%
24.7%	7,830	7,651	-179	-2.3%
25.9%	7,757	7,526	-232	-3.0%
27.2%	7,663	7,295	-368	-4.8%
28.4%	7,529	7,254	-275	-3.6%
29.6%	7,394	6,777	-617	-8.4%
30.9%	7,373	6,765	-608	-8.2%
32.1%	7,104	6,716	-389	-5.5%
33.3%	6,977	6,671	-306	-4.4%
34.6%	6,774	6,608	-166	-2.5%
35.8%	6,765	6,595	-169	-2.5%
37.0%	6,670	6,538	-132	-2.0%
38.3%	6,558	6,508	-51	-0.8%
39.5%	6,552	6,483	-69	-1.1%
40.7%	6,538	6,448	-90	-1.4%
42.0%	6,508	6,426	-81	-1.3%
43.2%	6,483	6,339	-144	-2.2%
44.4%	6,466	6,336	-130	-2.0%
45.7%	6,426	6,268	-158	-2.5%
46.9%	6,404	5,972	-432	-6.7%
48.1%	6,342	5,671	-671	-10.6%
49.4%	6,307	5,601	-706	-11.2%
50.6%	6,279	5,531	-747	-11.9%
51.9%	6,228	5,504	-724	-11.6%
53.1%	6,078	5,500	-579	-9.5%
54.3%	5,957	5,477	-480	-8.1%
55.6%	5,951	5,370	-581	-9.8%
56.8%	5,920	5,250	-669	-11.3%
58.0%	5,511	5,155	-356	-6.5%
59.3%	5,477	5,053	-423	-7.7%
60.5%	5,433	5,017	-416	-7.7%
61.7%	5,339	4,938	-402	-7.5%
63.0%	5,149	4,867	-282	-5.5%
64.2%	5,074	4,839	-235	-4.6%
65.4%	4,940	4,816	-124	-2.5%
66.7%	4,925	4,792	-132	-2.7%
67.9%	4,894	4,634	-260	-5.3%
69.1%	4,801	4,600	-201	-4.2%
70.4%	4,733	4,600	-133	-2.8%
71.6%	4,585	4,600	15	0.3%
72.8%	4,564	4,600	36	0.8%
74.1%	4,500	4,600	100	2.2%
75.3%	4,500	4,600	100	2.2%
76.5%	4,500	4,600	100	2.2%
77.8%	4,500	4,500	0	0.0%
79.0%	4,500	4,500	0	0.0%
80.2%	4,500	4,500	0	0.0%
81.5%	4,500	4,500	0	0.0%
82.7%	4,500	4,500	0	0.0%
84.0%	4,500	4,500	0	0.0%
85.2%	4,500	4,500	0	0.0%
86.4%	4,500	4,500	0	0.0%
87.7%	4,500	4,500	0	0.0%
88.9%	3,990	4,500	510	12.8%
90.1%	3,910	4,500	590	15.1%
91.4%	3,700	4,500	800	21.6%
92.6%	3,485	4,430	945	27.1%
93.8%	3,250	4,197	947	29.1%
95.1%	3,250	3,977	727	22.4%
96.3%	3,250	3,700	450	13.8%
97.5%	3,250	3,467	217	6.7%
98.8%	3,250	3,258	8	0.3%
100.0%	3,250	3,255	5	0.1%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,495	12,495	0	0.0%
1.2%	12,433	12,433	0	0.0%
2.5%	12,079	12,376	298	2.5%
3.7%	11,387	11,742	355	3.1%
4.9%	10,920	11,387	467	4.3%
6.2%	10,768	10,920	152	1.4%
7.4%	10,577	10,671	95	0.9%
8.6%	10,007	10,577	570	5.7%
9.9%	9,898	9,572	-326	-3.3%
11.1%	9,803	9,452	-350	-3.6%
12.3%	9,660	9,211	-449	-4.7%
13.6%	9,532	9,079	-452	-4.7%
14.8%	9,309	8,981	-329	-3.5%
16.0%	9,285	8,839	-446	-4.8%
17.3%	9,202	8,591	-611	-6.6%
18.5%	9,162	8,560	-602	-6.6%
19.8%	9,061	8,515	-546	-6.0%
21.0%	8,894	8,377	-517	-5.8%
22.2%	8,864	8,367	-497	-5.6%
23.5%	8,799	8,295	-504	-5.7%
24.7%	8,714	8,204	-509	-5.8%
25.9%	8,688	8,160	-528	-6.1%
27.2%	8,487	7,940	-547	-6.4%
28.4%	8,377	7,788	-589	-7.0%
29.6%	8,197	7,724	-473	-5.8%
30.9%	8,005	7,629	-376	-4.7%
32.1%	7,957	7,611	-346	-4.3%
33.3%	7,943	7,595	-348	-4.4%
34.6%	7,940	7,545	-396	-5.0%
35.8%	7,914	7,398	-516	-6.5%
37.0%	7,906	7,243	-663	-8.4%
38.3%	7,865	7,235	-630	-8.0%
39.5%	7,831	7,234	-597	-7.6%
40.7%	7,775	7,195	-580	-7.5%
42.0%	7,701	7,053	-648	-8.4%
43.2%	7,616	7,008	-608	-8.0%
44.4%	7,534	6,945	-588	-7.8%
45.7%	7,521	6,819	-702	-9.3%
46.9%	7,481	6,792	-689	-9.2%
48.1%	7,463	6,765	-699	-9.4%
49.4%	7,365	6,682	-683	-9.3%
50.6%	7,294	6,673	-621	-8.5%
51.9%	7,279	6,637	-642	-8.8%
53.1%	7,235	6,636	-600	-8.3%
54.3%	7,151	6,610	-542	-7.6%
55.6%	7,134	6,567	-568	-8.0%
56.8%	7,118	6,524	-594	-8.3%
58.0%	7,105	6,519	-586	-8.2%
59.3%	7,043	6,513	-530	-7.5%
60.5%	7,019	6,411	-608	-8.7%
61.7%	7,012	6,353	-658	-9.4%
63.0%	6,975	6,320	-655	-9.4%
64.2%	6,858	6,283	-576	-8.4%
65.4%	6,810	6,265	-545	-8.0%
66.7%	6,755	6,263	-492	-7.3%
67.9%	6,682	6,218	-464	-6.9%
69.1%	6,680	6,158	-522	-7.8%
70.4%	6,549	6,112	-437	-6.7%
71.6%	6,544	6,100	-444	-6.8%
72.8%	6,445	5,944	-500	-7.8%
74.1%	6,413	5,934	-479	-7.5%
75.3%	6,289	5,918	-370	-5.9%
76.5%	6,283	5,886	-397	-6.3%
77.8%	6,273	5,821	-452	-7.2%
79.0%	6,166	5,755	-411	-6.7%
80.2%	5,988	5,743	-245	-4.1%
81.5%	5,964	5,483	-481	-8.1%
82.7%	5,756	5,384	-371	-6.5%
84.0%	5,751	5,365	-387	-6.7%
85.2%	5,741	5,313	-428	-7.5%
86.4%	5,692	5,045	-648	-11.4%
87.7%	5,687	5,012	-675	-11.9%
88.9%	5,637	4,943	-693	-12.3%
90.1%	5,598	4,929	-669	-11.9%
91.4%	5,465	4,851	-614	-11.2%
92.6%	5,450	4,830	-619	-11.4%
93.8%	5,429	4,751	-679	-12.5%
95.1%	5,395	4,455	-940	-17.4%
96.3%	5,305	4,289	-1,016	-19.2%
97.5%	4,869	4,223	-645	-13.3%
98.8%	4,329	4,219	-109	-2.5%
100.0%	3,824	3,850	26	0.7%

Table SW-10-b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,000	14,879	-121	-0.8%
1.2%	15,000	14,426	-574	-3.8%
2.5%	14,650	14,010	-640	-4.4%
3.7%	14,185	13,966	-219	-1.5%
4.9%	14,103	13,909	-194	-1.4%
6.2%	14,101	13,618	-482	-3.4%
7.4%	14,076	13,111	-965	-6.9%
8.6%	13,680	12,690	-990	-7.2%
9.9%	13,598	12,639	-959	-7.1%
11.1%	13,577	12,617	-960	-7.1%
12.3%	13,520	12,517	-1,004	-7.4%
13.6%	13,298	12,343	-955	-7.2%
14.8%	13,125	12,242	-883	-6.7%
16.0%	13,113	12,020	-1,094	-8.3%
17.3%	12,986	11,989	-996	-7.7%
18.5%	12,955	11,960	-995	-7.7%
19.8%	12,803	11,942	-861	-6.7%
21.0%	12,746	11,918	-827	-6.5%
22.2%	12,622	11,796	-826	-6.5%
23.5%	12,547	11,786	-762	-6.1%
24.7%	12,497	11,672	-826	-6.6%
25.9%	12,348	11,657	-690	-5.6%
27.2%	12,315	11,514	-802	-6.5%
28.4%	12,279	11,483	-796	-6.5%
29.6%	12,279	11,440	-839	-6.8%
30.9%	12,277	11,270	-1,007	-8.2%
32.1%	12,246	11,026	-1,220	-10.0%
33.3%	12,147	11,022	-1,125	-9.3%
34.6%	12,096	11,019	-1,078	-8.9%
35.8%	12,075	10,751	-1,323	-11.0%
37.0%	12,068	10,711	-1,358	-11.3%
38.3%	12,056	10,708	-1,347	-11.2%
39.5%	12,019	10,677	-1,342	-11.2%
40.7%	12,013	10,527	-1,486	-12.4%
42.0%	11,924	10,518	-1,407	-11.8%
43.2%	11,639	10,512	-1,127	-9.7%
44.4%	11,369	10,500	-869	-7.6%
45.7%	11,328	10,500	-828	-7.3%
46.9%	11,296	10,500	-796	-7.0%
48.1%	11,185	10,500	-685	-6.1%
49.4%	11,158	10,500	-658	-5.9%
50.6%	11,071	10,500	-571	-5.2%
51.9%	11,036	10,500	-536	-4.9%
53.1%	11,035	10,500	-535	-4.8%
54.3%	10,994	10,500	-494	-4.5%
55.6%	10,923	10,500	-423	-3.9%
56.8%	10,920	10,500	-420	-3.8%
58.0%	10,841	10,500	-341	-3.1%
59.3%	10,837	10,500	-337	-3.1%
60.5%	10,801	10,500	-301	-2.8%
61.7%	10,702	10,500	-202	-1.9%
63.0%	10,589	10,500	-89	-0.8%
64.2%	10,553	10,500	-53	-0.5%
65.4%	10,532	10,500	-32	-0.3%
66.7%	10,408	10,500	92	0.9%
67.9%	10,399	10,499	99	1.0%
69.1%	10,362	10,282	-80	-0.8%
70.4%	10,281	10,272	-9	-0.1%
71.6%	10,051	10,189	138	1.4%
72.8%	10,039	10,174	135	1.3%
74.1%	9,965	10,139	174	1.7%
75.3%	9,898	10,125	227	2.3%
76.5%	9,889	10,062	173	1.7%
77.8%	9,858	10,040	182	1.8%
79.0%	9,846	9,887	40	0.4%
80.2%	9,831	9,800	-31	-0.3%
81.5%	9,830	9,665	-165	-1.7%
82.7%	9,679	9,650	-29	-0.3%
84.0%	9,596	9,627	31	0.3%
85.2%	9,559	9,588	29	0.3%
86.4%	9,508	9,396	-111	-1.2%
87.7%	9,471	9,375	-96	-1.0%
88.9%	9,305	9,064	-241	-2.6%
90.1%	9,255	8,623	-632	-6.8%
91.4%	9,220	8,418	-801	-8.7%
92.6%	9,191	8,200	-991	-10.8%
93.8%	9,184	8,181	-1,004	-10.9%
95.1%	8,903	8,100	-803	-9.0%
96.3%	8,728	7,989	-740	-8.5%
97.5%	8,392	7,983	-410	-4.9%
98.8%	8,166	7,900	-266	-3.3%
100.0%	7,758	7,516	-242	-3.1%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,415	18,786	3,370	21.9%
1.2%	15,332	18,590	3,258	21.2%
2.5%	15,000	15,298	298	2.0%
3.7%	15,000	15,000	0	0.0%
4.9%	15,000	15,000	0	0.0%
6.2%	15,000	15,000	0	0.0%
7.4%	15,000	15,000	0	0.0%
8.6%	15,000	15,000	0	0.0%
9.9%	15,000	15,000	0	0.0%
11.1%	15,000	15,000	0	0.0%
12.3%	15,000	15,000	0	0.0%
13.6%	15,000	15,000	0	0.0%
14.8%	15,000	15,000	0	0.0%
16.0%	15,000	15,000	0	0.0%
17.3%	15,000	15,000	0	0.0%
18.5%	15,000	15,000	0	0.0%
19.8%	15,000	15,000	0	0.0%
21.0%	15,000	15,000	0	0.0%
22.2%	15,000	15,000	0	0.0%
23.5%	15,000	15,000	0	0.0%
24.7%	15,000	15,000	0	0.0%
25.9%	15,000	15,000	0	0.0%
27.2%	15,000	15,000	0	0.0%
28.4%	15,000	15,000	0	0.0%
29.6%	15,000	15,000	0	0.0%
30.9%	15,000	15,000	0	0.0%
32.1%	15,000	15,000	0	0.0%
33.3%	15,000	15,000	0	0.0%
34.6%	15,000	15,000	0	0.0%
35.8%	15,000	15,000	0	0.0%
37.0%	15,000	15,000	0	0.0%
38.3%	15,000	15,000	0	0.0%
39.5%	15,000	15,000	0	0.0%
40.7%	15,000	14,913	-87	-0.6%
42.0%	15,000	14,901	-99	-0.7%
43.2%	15,000	14,833	-167	-1.1%
44.4%	15,000	14,783	-217	-1.4%
45.7%	15,000	14,778	-222	-1.5%
46.9%	15,000	14,766	-234	-1.6%
48.1%	14,901	14,044	-857	-5.8%
49.4%	14,881	14,029	-852	-5.7%
50.6%	14,833	14,001	-831	-5.6%
51.9%	14,778	13,942	-836	-5.7%
53.1%	14,759	13,865	-894	-6.1%
54.3%	14,625	13,754	-870	-5.9%
55.6%	14,449	13,589	-860	-6.0%
56.8%	14,424	13,562	-862	-6.0%
58.0%	14,387	13,536	-851	-5.9%
59.3%	14,167	13,504	-663	-4.7%
60.5%	14,109	13,370	-739	-5.2%
61.7%	14,095	13,304	-790	-5.6%
63.0%	14,050	13,202	-848	-6.0%
64.2%	13,848	13,174	-674	-4.9%
65.4%	13,811	13,112	-699	-5.1%
66.7%	13,790	13,003	-787	-5.7%
67.9%	13,752	12,837	-915	-6.7%
69.1%	13,710	12,788	-922	-6.7%
70.4%	13,664	12,765	-899	-6.6%
71.6%	13,495	12,698	-797	-5.9%
72.8%	13,320	12,500	-820	-6.2%
74.1%	13,192	12,500	-692	-5.2%
75.3%	13,093	12,500	-593	-4.5%
76.5%	13,059	12,500	-559	-4.3%
77.8%	12,816	12,500	-316	-2.5%
79.0%	12,714	12,500	-214	-1.7%
80.2%	12,705	12,500	-205	-1.6%
81.5%	12,525	12,500	-25	-0.2%
82.7%	12,341	12,492	151	1.2%
84.0%	12,331	12,484	153	1.2%
85.2%	12,279	12,437	158	1.3%
86.4%	12,214	12,300	86	0.7%
87.7%	12,096	12,191	96	0.8%
88.9%	12,056	12,110	54	0.4%
90.1%	12,032	12,102	71	0.6%
91.4%	11,982	12,078	95	0.8%
92.6%	11,715	11,988	273	2.3%
93.8%	11,695	11,948	253	2.2%
95.1%	11,441	11,870	429	3.8%
96.3%	11,119	11,706	587	5.3%
97.5%	10,950	11,362	413	3.8%
98.8%	10,938	11,352	414	3.8%
100.0%	9,607	10,176	569	5.9%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,327	13,115	-213	-1.6%
1.2%	13,157	13,106	-51	-0.4%
2.5%	12,726	11,860	-866	-6.8%
3.7%	12,618	11,704	-914	-7.2%
4.9%	12,605	11,631	-974	-7.7%
6.2%	12,493	11,610	-883	-7.1%
7.4%	12,223	11,419	-804	-6.6%
8.6%	12,095	11,368	-727	-6.0%
9.9%	11,959	11,141	-818	-6.8%
11.1%	11,900	11,138	-763	-6.4%
12.3%	11,839	11,064	-775	-6.5%
13.6%	11,833	11,053	-780	-6.6%
14.8%	11,823	10,859	-964	-8.2%
16.0%	11,466	10,737	-729	-6.4%
17.3%	11,420	10,664	-756	-6.6%
18.5%	11,414	10,619	-794	-7.0%
19.8%	11,375	10,618	-757	-6.7%
21.0%	11,205	10,573	-632	-5.6%
22.2%	11,198	10,555	-642	-5.7%
23.5%	11,094	10,541	-553	-5.0%
24.7%	11,069	10,468	-601	-5.4%
25.9%	11,062	10,446	-615	-5.6%
27.2%	10,936	10,394	-542	-5.0%
28.4%	10,883	10,392	-491	-4.5%
29.6%	10,825	10,337	-488	-4.5%
30.9%	10,820	10,335	-484	-4.5%
32.1%	10,819	10,289	-529	-4.9%
33.3%	10,781	10,272	-508	-4.7%
34.6%	10,725	10,191	-534	-5.0%
35.8%	10,689	10,139	-550	-5.1%
37.0%	10,647	10,088	-559	-5.3%
38.3%	10,480	10,022	-458	-4.4%
39.5%	10,211	10,000	-211	-2.1%
40.7%	10,140	10,000	-140	-1.4%
42.0%	10,137	10,000	-137	-1.4%
43.2%	9,949	10,000	51	0.5%
44.4%	9,945	10,000	55	0.6%
45.7%	9,938	10,000	62	0.6%
46.9%	9,913	10,000	87	0.9%
48.1%	9,887	10,000	113	1.1%
49.4%	9,864	10,000	136	1.4%
50.6%	9,850	10,000	150	1.5%
51.9%	9,841	10,000	159	1.6%
53.1%	9,802	10,000	198	2.0%
54.3%	9,802	10,000	198	2.0%
55.6%	9,785	10,000	215	2.2%
56.8%	9,715	10,000	285	2.9%
58.0%	9,651	10,000	349	3.6%
59.3%	9,650	10,000	350	3.6%
60.5%	9,626	10,000	374	3.9%
61.7%	9,620	10,000	380	3.9%
63.0%	9,489	10,000	511	5.4%
64.2%	9,472	10,000	528	5.6%
65.4%	9,447	10,000	553	5.9%
66.7%	9,427	10,000	573	6.1%
67.9%	9,305	10,000	695	7.5%
69.1%	9,292	10,000	708	7.6%
70.4%	9,180	10,000	820	8.9%
71.6%	9,134	10,000	866	9.5%
72.8%	9,120	9,955	835	9.2%
74.1%	8,917	9,915	998	11.2%
75.3%	8,888	9,904	1,016	11.4%
76.5%	8,885	9,871	986	11.1%
77.8%	8,856	9,823	966	10.9%
79.0%	8,845	9,783	938	10.6%
80.2%	8,831	9,750	920	10.4%
81.5%	8,799	9,722	923	10.5%
82.7%	8,721	9,697	976	11.2%
84.0%	8,721	9,565	845	9.7%
85.2%	8,649	9,564	916	10.6%
86.4%	8,333	9,514	1,182	14.2%
87.7%	8,305	9,504	1,199	14.4%
88.9%	8,254	9,431	1,177	14.3%
90.1%	8,222	9,397	1,176	14.3%
91.4%	8,178	9,368	1,190	14.6%
92.6%	8,109	9,327	1,218	15.0%
93.8%	7,967	9,164	1,197	15.0%
95.1%	7,935	9,137	1,202	15.1%
96.3%	7,876	9,075	1,199	15.2%
97.5%	7,850	8,946	1,095	14.0%
98.8%	6,504	8,942	2,438	37.5%
100.0%	6,272	8,909	2,636	42.0%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,164	15,987	-177	-1.1%
1.2%	15,623	15,370	-253	-1.6%
2.5%	15,174	15,214	39	0.3%
3.7%	15,166	15,000	-166	-1.1%
4.9%	15,078	14,807	-271	-1.8%
6.2%	15,000	14,803	-197	-1.3%
7.4%	14,854	14,778	-76	-0.5%
8.6%	14,807	14,761	-46	-0.3%
9.9%	14,778	14,643	-136	-0.9%
11.1%	14,734	14,618	-116	-0.8%
12.3%	14,685	14,492	-193	-1.3%
13.6%	14,396	14,442	46	0.3%
14.8%	14,390	14,125	-265	-1.8%
16.0%	12,891	13,929	1,038	8.1%
17.3%	12,115	12,808	694	5.7%
18.5%	11,886	12,578	692	5.8%
19.8%	11,562	11,878	315	2.7%
21.0%	11,388	11,559	171	1.5%
22.2%	11,248	11,109	-138	-1.2%
23.5%	11,221	10,920	-301	-2.7%
24.7%	11,205	10,714	-492	-4.4%
25.9%	11,109	10,353	-757	-6.8%
27.2%	11,086	10,122	-964	-8.7%
28.4%	10,933	10,044	-889	-8.1%
29.6%	10,450	9,905	-545	-5.2%
30.9%	10,444	9,601	-843	-8.1%
32.1%	10,217	9,536	-681	-6.7%
33.3%	10,127	9,441	-687	-6.8%
34.6%	9,244	9,396	152	1.6%
35.8%	9,120	8,655	-464	-5.1%
37.0%	8,630	8,405	-225	-2.6%
38.3%	8,257	8,085	-171	-2.1%
39.5%	8,204	8,060	-144	-1.8%
40.7%	7,706	8,030	324	4.2%
42.0%	7,549	7,824	275	3.6%
43.2%	7,186	7,566	380	5.3%
44.4%	6,986	7,549	562	8.1%
45.7%	6,978	7,481	503	7.2%
46.9%	6,960	7,177	217	3.1%
48.1%	6,825	6,958	132	1.9%
49.4%	6,705	6,537	-168	-2.5%
50.6%	6,690	6,392	-298	-4.5%
51.9%	6,503	6,310	-193	-3.0%
53.1%	6,490	6,199	-291	-4.5%
54.3%	6,379	6,157	-222	-3.5%
55.6%	6,340	6,122	-217	-3.4%
56.8%	6,230	6,000	-230	-3.7%
58.0%	6,229	6,000	-229	-3.7%
59.3%	6,209	5,961	-248	-4.0%
60.5%	6,042	5,945	-97	-1.6%
61.7%	5,732	5,943	210	3.7%
63.0%	5,683	5,933	250	4.4%
64.2%	5,641	5,929	288	5.1%
65.4%	5,632	5,925	293	5.2%
66.7%	5,306	5,910	605	11.4%
67.9%	5,294	5,907	613	11.6%
69.1%	5,282	5,906	624	11.8%
70.4%	5,158	5,876	719	13.9%
71.6%	5,147	5,835	687	13.4%
72.8%	5,098	5,826	728	14.3%
74.1%	5,045	5,815	770	15.3%
75.3%	4,996	5,783	788	15.8%
76.5%	4,983	5,767	785	15.7%
77.8%	4,967	5,754	787	15.9%
79.0%	4,960	5,724	765	15.4%
80.2%	4,931	5,718	787	16.0%
81.5%	4,927	5,652	726	14.7%
82.7%	4,899	5,600	701	14.3%
84.0%	4,878	5,583	705	14.4%
85.2%	4,855	5,582	727	15.0%
86.4%	4,841	5,573	733	15.1%
87.7%	4,476	5,572	1,096	24.5%
88.9%	4,316	5,553	1,237	28.7%
90.1%	4,255	5,389	1,135	26.7%
91.4%	4,206	5,382	1,176	27.9%
92.6%	4,131	5,250	1,119	27.1%
93.8%	4,059	5,200	1,141	28.1%
95.1%	4,055	5,182	1,128	27.8%
96.3%	4,045	5,170	1,124	27.8%
97.5%	4,025	5,102	1,078	26.8%
98.8%	3,877	4,900	1,023	26.4%
100.0%	3,764	4,434	671	17.8%

Figure SW-11-b
Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

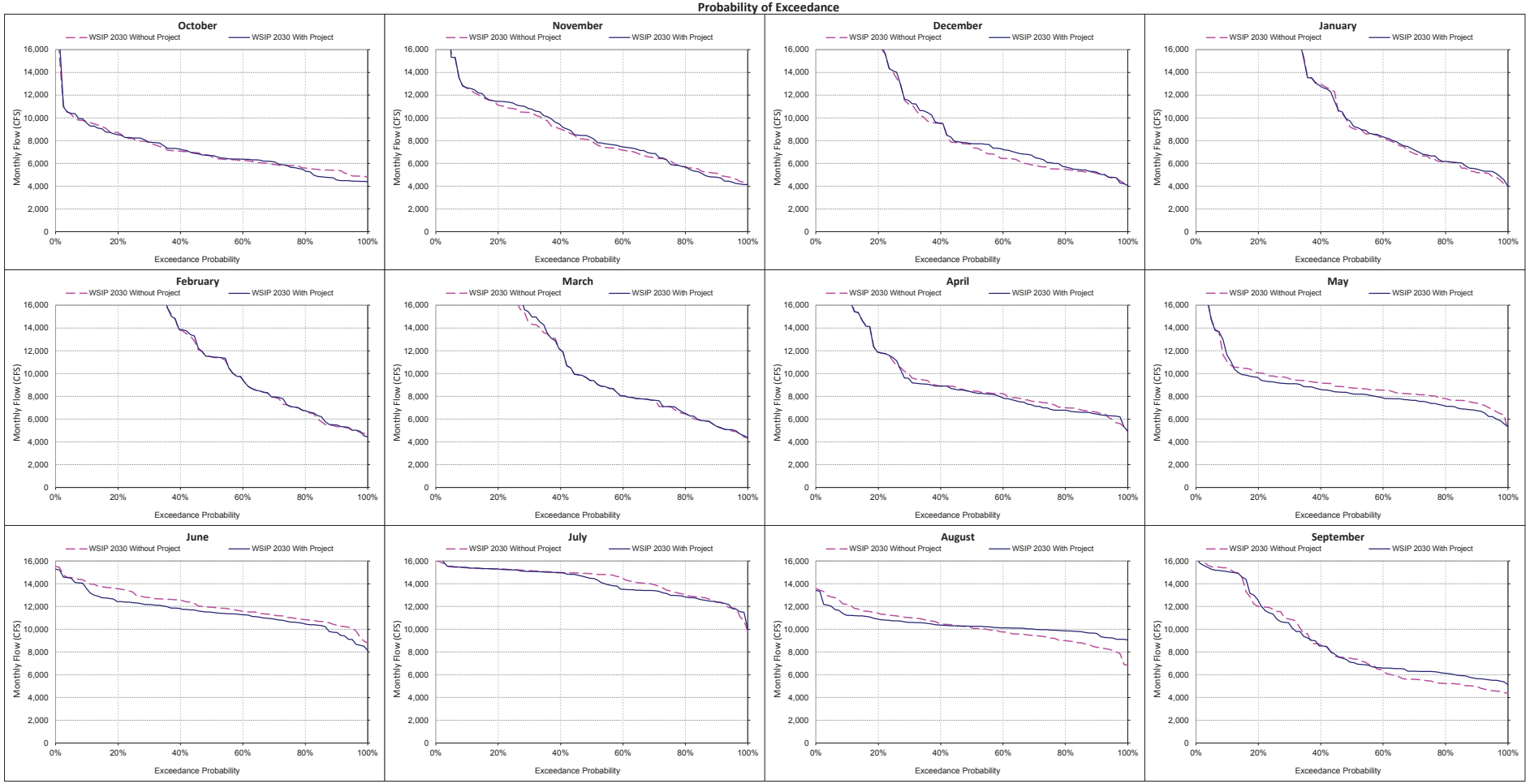


Table SW-11-b

Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,805	27,628	2,823	11.4%
1.2%	15,348	16,781	1,434	9.3%
2.5%	11,083	10,978	-105	-0.9%
3.7%	10,573	10,512	-62	-0.6%
4.9%	10,347	10,403	56	0.5%
6.2%	9,937	10,368	431	4.3%
7.4%	9,809	9,944	136	1.4%
8.6%	9,769	9,909	140	1.4%
9.9%	9,689	9,561	-128	-1.3%
11.1%	9,577	9,279	-297	-3.1%
12.3%	9,477	9,275	-202	-2.1%
13.6%	9,367	9,109	-258	-2.8%
14.8%	9,252	9,058	-194	-2.1%
16.0%	9,089	8,763	-326	-3.6%
17.3%	8,791	8,722	-69	-0.8%
18.5%	8,741	8,628	-113	-1.3%
19.8%	8,726	8,532	-194	-2.2%
21.0%	8,548	8,471	-77	-0.9%
22.2%	8,317	8,271	-46	-0.6%
23.5%	8,204	8,267	63	0.8%
24.7%	8,197	8,237	40	0.5%
25.9%	7,978	8,230	252	3.2%
27.2%	7,970	8,225	255	3.2%
28.4%	7,951	8,101	150	1.9%
29.6%	7,868	7,896	28	0.4%
30.9%	7,698	7,841	142	1.9%
32.1%	7,610	7,827	217	2.9%
33.3%	7,490	7,797	306	4.1%
34.6%	7,454	7,558	105	1.4%
35.8%	7,168	7,351	183	2.5%
37.0%	7,128	7,310	183	2.6%
38.3%	7,104	7,309	205	2.9%
39.5%	7,087	7,263	176	2.5%
40.7%	7,048	7,187	139	2.0%
42.0%	7,034	7,133	98	1.4%
43.2%	6,986	6,969	-16	-0.2%
44.4%	6,952	6,891	-60	-0.9%
45.7%	6,936	6,845	-91	-1.3%
46.9%	6,798	6,754	-43	-0.6%
48.1%	6,761	6,717	-44	-0.7%
49.4%	6,716	6,681	-35	-0.5%
50.6%	6,500	6,679	180	2.8%
51.9%	6,417	6,573	156	2.4%
53.1%	6,375	6,472	98	1.5%
54.3%	6,349	6,458	109	1.7%
55.6%	6,331	6,402	70	1.1%
56.8%	6,327	6,393	66	1.0%
58.0%	6,313	6,393	80	1.3%
59.3%	6,245	6,392	147	2.3%
60.5%	6,239	6,355	116	1.9%
61.7%	6,222	6,350	127	2.0%
63.0%	6,178	6,319	141	2.3%
64.2%	6,079	6,315	237	3.9%
65.4%	6,065	6,295	230	3.8%
66.7%	6,033	6,200	167	2.8%
67.9%	5,999	6,193	194	3.2%
69.1%	5,927	6,186	259	4.4%
70.4%	5,893	6,112	218	3.7%
71.6%	5,842	5,936	94	1.6%
72.8%	5,827	5,880	53	0.9%
74.1%	5,818	5,840	22	0.4%
75.3%	5,815	5,643	-172	-3.0%
76.5%	5,815	5,639	-176	-3.0%
77.8%	5,778	5,556	-222	-3.8%
79.0%	5,605	5,482	-123	-2.2%
80.2%	5,589	5,305	-283	-5.1%
81.5%	5,512	5,264	-248	-4.5%
82.7%	5,506	4,957	-549	-10.0%
84.0%	5,480	4,862	-618	-11.3%
85.2%	5,437	4,838	-599	-11.0%
86.4%	5,425	4,784	-641	-11.8%
87.7%	5,416	4,763	-653	-12.1%
88.9%	5,405	4,736	-668	-12.4%
90.1%	5,387	4,537	-851	-15.8%
91.4%	5,363	4,495	-868	-16.2%
92.6%	5,146	4,485	-661	-12.8%
93.8%	5,058	4,478	-580	-11.5%
95.1%	4,895	4,442	-453	-9.2%
96.3%	4,890	4,432	-459	-9.4%
97.5%	4,882	4,428	-454	-9.3%
98.8%	4,876	4,422	-453	-9.3%
100.0%	4,772	4,395	-377	-7.9%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,510	32,253	1,743	5.7%
1.2%	27,006	27,799	793	2.9%
2.5%	20,269	19,968	-301	-1.5%
3.7%	19,973	19,950	-22	-0.1%
4.9%	15,676	15,332	-344	-2.2%
6.2%	15,333	15,299	-34	-0.2%
7.4%	13,545	13,520	-25	-0.2%
8.6%	12,853	12,786	-67	-0.5%
9.9%	12,616	12,664	48	0.4%
11.1%	12,466	12,583	117	0.9%
12.3%	12,209	12,478	269	2.2%
13.6%	12,036	12,206	170	1.4%
14.8%	11,848	12,128	280	2.4%
16.0%	11,658	11,781	123	1.1%
17.3%	11,558	11,575	18	0.2%
18.5%	11,553	11,493	-61	-0.5%
19.8%	11,141	11,460	320	2.9%
21.0%	11,045	11,442	397	3.6%
22.2%	11,039	11,420	382	3.5%
23.5%	10,848	11,390	542	5.0%
24.7%	10,831	11,305	474	4.4%
25.9%	10,755	11,129	374	3.5%
27.2%	10,518	11,061	543	5.2%
28.4%	10,497	11,015	518	4.9%
29.6%	10,486	10,840	354	3.4%
30.9%	10,437	10,757	320	3.1%
32.1%	10,219	10,588	369	3.6%
33.3%	10,102	10,536	434	4.3%
34.6%	9,888	10,193	306	3.1%
35.8%	9,736	10,114	378	3.9%
37.0%	9,275	9,929	654	7.1%
38.3%	9,195	9,623	428	4.7%
39.5%	9,059	9,498	439	4.8%
40.7%	8,950	9,170	220	2.5%
42.0%	8,836	9,032	196	2.2%
43.2%	8,617	8,891	274	3.2%
44.4%	8,485	8,535	50	0.6%
45.7%	8,160	8,484	324	4.0%
46.9%	8,155	8,450	294	3.6%
48.1%	8,112	8,448	336	4.1%
49.4%	8,097	8,323	225	2.8%
50.6%	7,815	8,148	334	4.3%
51.9%	7,601	7,818	217	2.9%
53.1%	7,476	7,800	325	4.3%
54.3%	7,403	7,725	322	4.4%
55.6%	7,368	7,675	307	4.2%
56.8%	7,360	7,647	287	3.9%
58.0%	7,336	7,596	261	3.6%
59.3%	7,189	7,484	295	4.1%
60.5%	7,147	7,439	293	4.1%
61.7%	7,056	7,393	336	4.8%
63.0%	7,050	7,346	296	4.2%
64.2%	6,942	7,268	326	4.7%
65.4%	6,791	7,133	342	5.0%
66.7%	6,697	7,126	429	6.4%
67.9%	6,578	6,962	383	5.8%
69.1%	6,543	6,878	335	5.1%
70.4%	6,451	6,852	401	6.2%
71.6%	6,419	6,505	86	1.3%
72.8%	6,413	6,469	56	0.9%
74.1%	6,343	6,283	-59	-0.9%
75.3%	6,214	5,898	-316	-5.1%
76.5%	5,964	5,827	-137	-2.3%
77.8%	5,836	5,824	-12	-0.2%
79.0%	5,779	5,710	-69	-1.2%
80.2%	5,605	5,692	87	1.6%
81.5%	5,595	5,443	-152	-2.7%
82.7%	5,587	5,321	-266	-4.8%
84.0%	5,533	5,280	-252	-4.6%
85.2%	5,325	5,137	-188	-3.5%
86.4%	5,213	4,914	-299	-5.7%
87.7%	5,211	4,823	-388	-7.5%
88.9%	5,152	4,801	-350	-6.8%
90.1%	5,131	4,794	-337	-6.6%
91.4%	4,918	4,710	-208	-4.2%
92.6%	4,863	4,442	-422	-8.7%
93.8%	4,809	4,434	-375	-7.8%
95.1%	4,725	4,340	-385	-8.2%
96.3%	4,613	4,236	-377	-8.2%
97.5%	4,410	4,187	-223	-5.1%
98.8%	4,344	4,150	-194	-4.5%
100.0%	4,091	4,140	49	1.2%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	43,991	43,990	-1	0.0%
1.2%	40,606	41,235	630	1.6%
2.5%	40,494	40,622	128	0.3%
3.7%	40,330	38,144	-2,186	-5.4%
4.9%	37,225	37,223	-2	0.0%
6.2%	31,401	31,910	508	1.6%
7.4%	31,278	31,280	2	0.0%
8.6%	30,717	30,085	-632	-2.1%
9.9%	26,011	26,187	175	0.7%
11.1%	25,033	25,034	2	0.0%
12.3%	23,636	23,640	5	0.0%
13.6%	21,684	22,798	1,114	5.1%
14.8%	17,849	18,643	794	4.5%
16.0%	17,706	18,332	625	3.5%
17.3%	17,317	18,315	998	5.8%
18.5%	16,333	17,941	1,608	9.8%
19.8%	16,288	17,048	760	4.7%
21.0%	16,043	16,331	288	1.8%
22.2%	15,634	15,636	2	0.0%
23.5%	14,357	14,352	-5	0.0%
24.7%	14,023	14,148	126	0.9%
25.9%	13,451	13,996	545	4.1%
27.2%	12,911	12,906	-5	0.0%
28.4%	11,545	11,665	119	1.0%
29.6%	11,239	11,550	311	2.8%
30.9%	11,161	11,237	76	0.7%
32.1%	10,671	11,218	547	5.1%
33.3%	10,245	10,662	417	4.1%
34.6%	10,061	10,628	567	5.6%
35.8%	9,715	10,460	745	7.7%
37.0%	9,616	10,270	655	6.8%
38.3%	9,548	9,615	66	0.7%
39.5%	9,527	9,549	22	0.2%
40.7%	9,474	9,504	30	0.3%
42.0%	8,475	8,474	-1	0.0%
43.2%	7,883	8,331	449	5.7%
44.4%	7,845	7,941	96	1.2%
45.7%	7,810	7,881	71	0.9%
46.9%	7,737	7,847	109	1.4%
48.1%	7,725	7,809	84	1.1%
49.4%	7,692	7,748	56	0.7%
50.6%	7,346	7,734	388	5.3%
51.9%	7,337	7,728	390	5.3%
53.1%	7,146	7,723	577	8.1%
54.3%	6,922	7,694	771	11.1%
55.6%	6,833	7,652	819	12.0%
56.8%	6,831	7,347	517	7.6%
58.0%	6,657	7,342	685	10.3%
59.3%	6,461	7,297	836	12.9%
60.5%	6,431	7,188	757	11.8%
61.7%	6,429	7,147	718	11.2%
63.0%	6,393	7,043	651	10.2%
64.2%	6,343	6,943	600	9.5%
65.4%	6,153	6,862	709	11.5%
66.7%	6,005	6,815	810	13.5%
67.9%	5,971	6,786	815	13.7%
69.1%	5,863	6,732	868	14.8%
70.4%	5,862	6,495	633	10.8%
71.6%	5,737	6,432	695	12.1%
72.8%	5,697	6,346	649	11.4%
74.1%	5,696	6,083	387	6.8%
75.3%	5,524	6,073	549	9.9%
76.5%	5,510	6,001	492	8.9%
77.8%	5,507	5,986	480	8.7%
79.0%	5,500	5,748	249	4.5%
80.2%	5,473	5,663	189	3.5%
81.5%	5,428	5,573	145	2.7%
82.7%	5,372	5,489	117	2.2%
84.0%	5,312	5,476	164	3.1%
85.2%	5,296	5,433	137	2.6%
86.4%	5,253	5,430	177	3.4%
87.7%	5,241	5,315	75	1.4%
88.9%	5,228	5,295	67	1.3%
90.1%	5,114	5,225	111	2.2%
91.4%	5,040	5,039	-1	0.0%
92.6%	5,004	5,002	-1	0.0%
93.8%	4,773	4,779	6	0.1%
95.1%	4,725	4,775	50	1.1%
96.3%	4,716	4,740	25	0.5%
97.5%	4,467	4,278	-189	-4.2%
98.8%	4,274	4,215	-59	-1.4%
100.0%	4,052	4,057	5	0.1%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,446	78,441	-5	0.0%
1.2%	56,765	56,769	3	0.0%
2.5%	55,578	55,590	12	0.0%
3.7%	53,568	54,753	1,185	2.2%
4.9%	51,633	53,568	1,934	3.7%
6.2%	44,390	44,817	427	1.0%
7.4%	44,288	44,387	99	0.2%
8.6%	43,522	44,154	632	1.5%
9.9%	34,621	34,614	-6	0.0%
11.1%	33,764	33,765	1	0.0%
12.3%	31,630	31,630	0	0.0%
13.6%	30,160	31,027	867	2.9%
14.8%	29,557	29,162	-395	-1.3%
16.0%	28,105	26,670	-1,435	-5.1%
17.3%	26,660	26,657	-3	0.0%
18.5%	26,410	26,419	10	0.0%
19.8%	22,035	23,873	1,838	8.3%
21.0%	21,779	22,135	356	1.6%
22.2%	21,741	21,910	169	0.8%
23.5%	21,272	21,389	117	0.5%
24.7%	20,925	20,982	57	0.3%
25.9%	20,415	20,356	-59	-0.3%
27.2%	20,284	20,088	-196	-1.0%
28.4%	20,263	19,133	-1,129	-5.6%
29.6%	17,621	18,556	935	5.3%
30.9%	17,133	17,131	-2	0.0%
32.1%	17,035	17,025	-10	-0.1%
33.3%	16,628	16,628	0	0.0%
34.6%	15,329	15,188	-142	-0.9%
35.8%	13,537	13,528	-9	-0.1%
37.0%	13,526	13,520	-6	0.0%
38.3%	13,131	13,072	-59	-0.5%
39.5%	13,071	12,857	-214	-1.6%
40.7%	12,858	12,648	-209	-1.6%
42.0%	12,651	12,535	-116	-0.9%
43.2%	12,537	12,293	-244	-1.9%
44.4%	12,292	11,459	-833	-6.8%
45.7%	10,506	10,644	138	1.3%
46.9%	10,400	10,504	104	1.0%
48.1%	9,920	9,920	0	0.0%
49.4%	9,203	9,738	535	5.8%
50.6%	9,035	9,225	190	2.1%
51.9%	8,964	9,135	170	1.9%
53.1%	8,935	8,965	30	0.3%
54.3%	8,596	8,924	328	3.8%
55.6%	8,571	8,646	75	0.9%
56.8%	8,556	8,573	17	0.2%
58.0%	8,480	8,556	76	0.9%
59.3%	8,280	8,419	139	1.7%
60.5%	8,181	8,278	98	1.2%
61.7%	8,025	8,185	160	2.0%
63.0%	7,908	8,026	118	1.5%
64.2%	7,713	7,906	193	2.5%
65.4%	7,540	7,714	174	2.3%
66.7%	7,467	7,542	75	1.0%
67.9%	7,122	7,470	348	4.9%
69.1%	6,971	7,294	323	4.6%
70.4%	6,812	7,137	325	4.8%
71.6%	6,738	6,971	234	3.5%
72.8%	6,658	6,789	131	2.0%
74.1%	6,647	6,739	92	1.4%
75.3%	6,364	6,658	294	4.6%
76.5%	6,336	6,651	314	5.0%
77.8%	6,173	6,366	193	3.1%
79.0%	6,164	6,175	12	0.2%
80.2%	6,133	6,165	32	0.5%
81.5%	6,126	6,130	4	0.1%
82.7%	6,091	6,093	2	0.0%
84.0%	6,049	6,067	18	0.3%
85.2%	5,584	6,049	465	8.3%
86.4%	5,578	5,784	206	3.7%
87.7%	5,313	5,588	276	5.2%
88.9%	5,307	5,570	263	5.0%
90.1%	5,179	5,494	315	6.1%
91.4%	5,175	5,403	227	4.4%
92.6%	5,163	5,318	155	3.0%
93.8%	5,115	5,314	199	3.9%
95.1%	4,837	5,294	457	9.5%
96.3%	4,777	5,114	336	7.0%
97.5%	4,547	4,828	281	6.2%
98.8%	4,180	4,550	370	8.8%
100.0%	4,133	3,995	-138	-3.3%

Table SW-11-b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	87,769	87,769	0	0.0%
1.2%	84,648	82,846	-1,802	-2.1%
2.5%	59,216	60,935	1,720	2.9%
3.7%	59,111	59,116	5	0.0%
4.9%	58,443	58,444	1	0.0%
6.2%	56,500	56,501	1	0.0%
7.4%	50,719	50,717	-2	0.0%
8.6%	45,997	46,019	22	0.0%
9.9%	43,771	43,774	3	0.0%
11.1%	43,711	43,706	-5	0.0%
12.3%	40,782	43,356	2,574	6.3%
13.6%	40,495	41,224	728	1.8%
14.8%	39,906	40,493	587	1.5%
16.0%	39,893	39,906	13	0.0%
17.3%	38,279	38,280	1	0.0%
18.5%	34,277	34,278	1	0.0%
19.8%	33,086	33,070	-16	0.0%
21.0%	31,794	32,673	879	2.8%
22.2%	31,298	31,813	515	1.6%
23.5%	29,971	31,299	1,328	4.4%
24.7%	28,319	29,960	1,640	5.8%
25.9%	27,409	28,307	898	3.3%
27.2%	25,229	25,238	9	0.0%
28.4%	23,378	23,363	-15	-0.1%
29.6%	21,750	23,248	1,498	6.9%
30.9%	20,257	20,411	154	0.8%
32.1%	18,565	19,116	551	3.0%
33.3%	17,469	18,315	846	4.8%
34.6%	16,596	17,474	879	5.3%
35.8%	15,783	15,784	1	0.0%
37.0%	15,224	15,048	-176	-1.2%
38.3%	14,810	14,813	2	0.0%
39.5%	13,842	13,866	24	0.2%
40.7%	13,742	13,853	111	0.8%
42.0%	13,486	13,738	252	1.9%
43.2%	13,300	13,421	121	0.9%
44.4%	12,865	13,300	435	3.4%
45.7%	12,111	12,235	124	1.0%
46.9%	11,938	11,940	2	0.0%
48.1%	11,523	11,524	1	0.0%
49.4%	11,503	11,503	0	0.0%
50.6%	11,432	11,433	1	0.0%
51.9%	11,381	11,431	50	0.4%
53.1%	11,375	11,384	9	0.1%
54.3%	11,172	11,348	176	1.6%
55.6%	10,475	10,475	0	0.0%
56.8%	10,014	10,013	-1	0.0%
58.0%	9,778	9,778	1	0.0%
59.3%	9,738	9,726	-11	-0.1%
60.5%	9,244	9,247	3	0.0%
61.7%	8,858	8,862	3	0.0%
63.0%	8,676	8,675	-1	0.0%
64.2%	8,537	8,540	3	0.0%
65.4%	8,458	8,461	3	0.0%
66.7%	8,358	8,358	1	0.0%
67.9%	8,306	8,303	-3	0.0%
69.1%	7,943	7,947	3	0.0%
70.4%	7,893	7,939	46	0.6%
71.6%	7,772	7,894	122	1.6%
72.8%	7,293	7,774	481	6.6%
74.1%	7,263	7,264	0	0.0%
75.3%	7,097	7,097	1	0.0%
76.5%	7,065	7,064	-1	0.0%
77.8%	6,997	6,997	0	0.0%
79.0%	6,779	6,781	2	0.0%
80.2%	6,720	6,721	1	0.0%
81.5%	6,535	6,591	55	0.8%
82.7%	6,470	6,537	67	1.0%
84.0%	6,000	6,312	312	5.2%
85.2%	5,769	6,205	436	7.6%
86.4%	5,520	5,770	250	4.5%
87.7%	5,491	5,524	33	0.6%
88.9%	5,427	5,492	65	1.2%
90.1%	5,333	5,481	149	2.8%
91.4%	5,332	5,333	1	0.0%
92.6%	5,269	5,329	60	1.1%
93.8%	5,216	5,268	52	1.0%
95.1%	5,019	5,021	2	0.0%
96.3%	5,014	5,018	4	0.1%
97.5%	4,825	4,926	101	2.1%
98.8%	4,761	4,526	-235	-4.9%
100.0%	4,404	4,454	49	1.1%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,396	81,397	1	0.0%
1.2%	78,412	78,418	6	0.0%
2.5%	56,138	56,139	1	0.0%
3.7%	49,042	49,044	2	0.0%
4.9%	40,170	38,824	-1,346	-3.4%
6.2%	35,288	35,283	-5	0.0%
7.4%	34,503	34,482	-21	-0.1%
8.6%	33,664	33,665	1	0.0%
9.9%	31,145	31,150	5	0.0%
11.1%	29,253	29,257	4	0.0%
12.3%	22,829	22,827	-2	0.0%
13.6%	22,596	21,877	-719	-3.2%
14.8%	21,875	21,525	-350	-1.6%
16.0%	21,519	21,477	-42	-0.2%
17.3%	21,477	20,878	-599	-2.8%
18.5%	20,694	20,842	148	0.7%
19.8%	20,333	20,697	364	1.8%
21.0%	20,126	20,469	343	1.7%
22.2%	19,363	19,434	71	0.4%
23.5%	19,075	19,079	4	0.0%
24.7%	17,602	19,012	1,410	8.0%
25.9%	16,263	17,603	1,340	8.2%
27.2%	15,608	16,789	1,181	7.6%
28.4%	15,397	15,612	215	1.4%
29.6%	14,548	15,463	915	6.3%
30.9%	14,326	14,976	649	4.5%
32.1%	14,284	14,965	681	4.8%
33.3%	14,025	14,547	522	3.7%
34.6%	13,597	14,284	687	5.1%
35.8%	13,475	13,479	3	0.0%
37.0%	13,104	13,108	5	0.0%
38.3%	13,091	12,895	-196	-1.5%
39.5%	12,198	12,194	-4	0.0%
40.7%	11,897	11,896	-1	0.0%
42.0%	10,686	10,688	2	0.0%
43.2%	10,501	10,503	2	0.0%
44.4%	9,940	9,940	1	0.0%
45.7%	9,894	9,893	-1	0.0%
46.9%	9,836	9,837	1	0.0%
48.1%	9,657	9,658	0	0.0%
49.4%	9,401	9,402	2	0.0%
50.6%	9,378	9,385	7	0.1%
51.9%	9,040	9,042	2	0.0%
53.1%	8,886	8,884	-2	0.0%
54.3%	8,849	8,849	0	0.0%
55.6%	8,706	8,702	-5	-0.1%
56.8%	8,682	8,681	-1	0.0%
58.0%	8,327	8,330	4	0.0%
59.3%	8,042	8,042	0	0.0%
60.5%	8,029	8,030	1	0.0%
61.7%	7,917	7,917	0	0.0%
63.0%	7,905	7,906	1	0.0%
64.2%	7,802	7,802	0	0.0%
65.4%	7,791	7,792	1	0.0%
66.7%	7,769	7,770	0	0.0%
67.9%	7,725	7,729	5	0.1%
69.1%	7,663	7,664	1	0.0%
70.4%	7,647	7,647	0	0.0%
71.6%	7,104	7,597	493	6.9%
72.8%	7,097	7,105	8	0.1%
74.1%	7,087	7,097	10	0.1%
75.3%	7,086	7,088	2	0.0%
76.5%	6,831	7,087	256	3.8%
77.8%	6,613	6,833	219	3.3%
79.0%	6,508	6,614	107	1.6%
80.2%	6,452	6,451	-1	0.0%
81.5%	6,283	6,288	6	0.1%
82.7%	6,008	6,256	248	4.1%
84.0%	5,960	5,955	-4	-0.1%
85.2%	5,871	5,873	2	0.0%
86.4%	5,833	5,834	1	0.0%
87.7%	5,798	5,799	2	0.0%
88.9%	5,558	5,559	1	0.0%
90.1%	5,334	5,335	2	0.0%
91.4%	5,209	5,244	35	0.7%
92.6%	5,112	5,101	-11	-0.2%
93.8%	5,058	5,065	7	0.1%
95.1%	4,948	5,058	110	2.2%
96.3%	4,889	4,951	62	1.3%
97.5%	4,680	4,686	5	0.1%
98.8%	4,421	4,548	127	2.9%
100.0%	4,338	4,357	19	0.4%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,458	42,460	1	0.0%
1.2%	33,162	33,164	3	0.0%
2.5%	27,535	27,535	0	0.0%
3.7%	23,041	23,043	1	0.0%
4.9%	20,865	22,056	1,191	5.7%
6.2%	20,590	20,867	277	1.3%
7.4%	18,663	20,525	1,862	10.0%
8.6%	18,531	18,664	132	0.7%
9.9%	16,972	16,973	1	0.0%
11.1%	16,816	16,278	-537	-3.2%
12.3%	15,439	15,444	4	0.0%
13.6%	15,354	15,358	3	0.0%
14.8%	14,666	14,668	2	0.0%
16.0%	14,234	14,140	-95	-0.7%
17.3%	14,122	14,123	1	0.0%
18.5%	12,381	12,347	-34	-0.3%
19.8%	11,882	11,884	3	0.0%
21.0%	11,796	11,795	-1	0.0%
22.2%	11,741	11,745	4	0.0%
23.5%	11,586	11,586	0	0.0%
24.7%	11,110	11,407	297	2.7%
25.9%	10,682	11,111	428	4.0%
27.2%	10,521	10,336	-185	-1.8%
28.4%	10,202	9,613	-589	-5.8%
29.6%	10,009	9,580	-430	-4.3%
30.9%	9,611	9,168	-443	-4.6%
32.1%	9,506	9,160	-346	-3.6%
33.3%	9,486	9,102	-384	-4.0%
34.6%	9,438	9,091	-347	-3.7%
35.8%	9,389	9,062	-327	-3.5%
37.0%	9,100	8,994	-106	-1.2%
38.3%	8,996	8,898	-98	-1.1%
39.5%	8,920	8,897	-23	-0.3%
40.7%	8,902	8,894	-8	-0.1%
42.0%	8,900	8,892	-9	-0.1%
43.2%	8,890	8,705	-185	-2.1%
44.4%	8,857	8,624	-232	-2.6%
45.7%	8,636	8,565	-71	-0.8%
46.9%	8,627	8,554	-73	-0.9%
48.1%	8,499	8,482	-17	-0.2%
49.4%	8,488	8,421	-67	-0.8%
50.6%	8,458	8,324	-134	-1.6%
51.9%	8,453	8,254	-198	-2.3%
53.1%	8,351	8,252	-99	-1.2%
54.3%	8,351	8,220	-131	-1.6%
55.6%	8,295	8,202	-93	-1.1%
56.8%	8,253	8,172	-81	-1.0%
58.0%	8,251	8,091	-160	-1.9%
59.3%	8,247	7,945	-302	-3.7%
60.5%	8,185	7,814	-371	-4.5%
61.7%	7,914	7,773	-141	-1.8%
63.0%	7,871	7,686	-186	-2.4%
64.2%	7,870	7,593	-277	-3.5%
65.4%	7,812	7,509	-302	-3.9%
66.7%	7,708	7,486	-222	-2.9%
67.9%	7,675	7,298	-376	-4.9%
69.1%	7,569	7,268	-301	-4.0%
70.4%	7,534	7,125	-409	-5.4%
71.6%	7,509	7,122	-387	-5.2%
72.8%	7,441	6,979	-462	-6.2%
74.1%	7,426	6,977	-449	-6.1%
75.3%	7,330	6,858	-472	-6.4%
76.5%	7,247	6,789	-458	-6.3%
77.8%	7,050	6,787	-263	-3.7%
79.0%	7,031	6,784	-247	-3.5%
80.2%	6,988	6,772	-216	-3.1%
81.5%	6,979	6,697	-281	-4.0%
82.7%	6,963	6,654	-310	-4.4%
84.0%	6,878	6,629	-250	-3.6%
85.2%	6,789	6,607	-181	-2.7%
86.4%	6,742	6,595	-147	-2.2%
87.7%	6,697	6,585	-112	-1.7%
88.9%	6,666	6,477	-189	-2.8%
90.1%	6,595	6,428	-166	-2.5%
91.4%	6,488	6,372	-116	-1.8%
92.6%	6,471	6,330	-141	-2.2%
93.8%	6,140	6,308	168	2.7%
95.1%	5,966	6,280	314	5.3%
96.3%	5,676	6,245	569	10.0%
97.5%	5,601	6,185	583	10.4%
98.8%	5,302	5,311	9	0.2%
100.0%	4,920	4,925	5	0.1%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,135	18,139	4	0.0%
1.2%	17,656	17,955	299	1.7%
2.5%	16,455	16,456	1	0.0%
3.7%	16,370	16,369	0	0.0%
4.9%	14,749	14,751	1	0.0%
6.2%	13,873	13,776	-97	-0.7%
7.4%	13,656	13,667	10	0.1%
8.6%	11,658	13,005	1,347	11.6%
9.9%	11,091	11,659	568	5.1%
11.1%	10,728	11,092	364	3.4%
12.3%	10,552	10,380	-172	-1.6%
13.6%	10,538	10,099	-439	-4.2%
14.8%	10,470	9,899	-571	-5.5%
16.0%	10,449	9,858	-591	-5.7%
17.3%	10,397	9,772	-625	-6.0%
18.5%	10,178	9,698	-480	-4.7%
19.8%	10,056	9,669	-387	-3.8%
21.0%	10,053	9,402	-651	-6.5%
22.2%	9,946	9,346	-600	-6.0%
23.5%	9,797	9,281	-515	-5.3%
24.7%	9,785	9,257	-528	-5.4%
25.9%	9,717	9,203	-514	-5.3%
27.2%	9,709	9,163	-546	-5.6%
28.4%	9,691	9,125	-567	-5.8%
29.6%	9,583	9,110	-473	-4.9%
30.9%	9,435	9,109	-326	-3.5%
32.1%	9,419	9,109	-310	-3.3%
33.3%	9,402	9,034	-368	-3.9%
34.6%	9,389	8,846	-543	-5.8%
35.8%	9,329	8,834	-495	-5.3%
37.0%	9,281	8,830	-451	-4.9%
38.3%	9,230	8,719	-510	-5.5%
39.5%	9,204	8,631	-573	-6.2%
40.7%	9,155	8,561	-594	-6.5%
42.0%	9,144	8,554	-590	-6.5%
43.2%	9,122	8,485	-637	-7.0%
44.4%	8,903	8,389	-513	-5.8%
45.7%	8,863	8,384	-479	-5.4%
46.9%	8,861	8,365	-495	-5.6%
48.1%	8,779	8,361	-418	-4.8%
49.4%	8,758	8,264	-494	-5.6%
50.6%	8,725	8,204	-520	-6.0%
51.9%	8,699	8,194	-504	-5.8%
53.1%	8,685	8,185	-500	-5.8%
54.3%	8,659	8,171	-488	-5.6%
55.6%	8,600	8,108	-492	-5.7%
56.8%	8,592	8,035	-558	-6.5%
58.0%	8,571	7,962	-609	-7.1%
59.3%	8,545	7,926	-619	-7.2%
60.5%	8,542	7,811	-731	-8.6%
61.7%	8,527	7,803	-724	-8.5%
63.0%	8,422	7,792	-630	-7.5%
64.2%	8,309	7,790	-520	-6.3%
65.4%	8,269	7,781	-489	-5.9%
66.7%	8,250	7,715	-536	-6.5%
67.9%	8,224	7,683	-541	-6.6%
69.1%	8,218	7,656	-562	-6.8%
70.4%	8,209	7,642	-568	-6.9%
71.6%	8,139	7,563	-576	-7.1%
72.8%	8,137	7,555	-582	-7.2%
74.1%	8,117	7,496	-621	-7.6%
75.3%	8,040	7,368	-672	-8.4%
76.5%	8,029	7,367	-662	-8.2%
77.8%	7,885	7,289	-596	-7.6%
79.0%	7,830	7,211	-620	-7.9%
80.2%	7,784	7,128	-657	-8.4%
81.5%	7,679	7,120	-559	-7.3%
82.7%	7,660	7,098	-562	-7.3%
84.0%	7,644	6,953	-691	-9.0%
85.2%	7,637	6,891	-746	-9.8%
86.4%	7,618	6,870	-748	-9.8%
87.7%	7,524	6,837	-687	-9.1%
88.9%	7,454	6,803	-651	-8.7%
90.1%	7,400	6,744	-656	-8.9%
91.4%	7,280	6,694	-586	-8.0%
92.6%	7,200	6,534	-666	-9.2%
93.8%	7,003	6,239	-763	-10.9%
95.1%	6,854	6,221	-633	-9.2%
96.3%	6,645	6,013	-632	-9.5%
97.5%	6,480	5,864	-616	-9.5%
98.8%	6,387	5,583	-804	-12.6%
100.0%	4,958	5,352	394	8.0%

Table SW-11-b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,526	15,285	-241	-1.6%
1.2%	15,440	15,215	-225	-1.5%
2.5%	14,781	14,584	-197	-1.3%
3.7%	14,549	14,541	-8	-0.1%
4.9%	14,532	14,516	-16	-0.1%
6.2%	14,493	14,108	-385	-2.7%
7.4%	14,388	14,076	-312	-2.2%
8.6%	14,351	14,057	-294	-2.0%
9.9%	14,150	13,561	-589	-4.2%
11.1%	13,964	13,184	-779	-5.6%
12.3%	13,964	12,999	-964	-6.9%
13.6%	13,775	12,908	-867	-6.3%
14.8%	13,736	12,780	-956	-7.0%
16.0%	13,682	12,759	-924	-6.8%
17.3%	13,663	12,705	-958	-7.0%
18.5%	13,576	12,653	-923	-6.8%
19.8%	13,564	12,435	-1,128	-8.3%
21.0%	13,524	12,429	-1,095	-8.1%
22.2%	13,463	12,391	-1,073	-8.0%
23.5%	13,380	12,380	-1,000	-7.5%
24.7%	13,272	12,327	-945	-7.1%
25.9%	12,948	12,324	-624	-4.8%
27.2%	12,923	12,275	-648	-5.0%
28.4%	12,828	12,188	-640	-5.0%
29.6%	12,799	12,176	-623	-4.9%
30.9%	12,757	12,157	-600	-4.7%
32.1%	12,681	12,106	-575	-4.5%
33.3%	12,667	12,102	-566	-4.5%
34.6%	12,660	12,039	-621	-4.9%
35.8%	12,637	11,961	-676	-5.4%
37.0%	12,625	11,860	-765	-6.1%
38.3%	12,596	11,860	-737	-5.8%
39.5%	12,588	11,832	-756	-6.0%
40.7%	12,507	11,754	-752	-6.0%
42.0%	12,404	11,749	-654	-5.3%
43.2%	12,386	11,706	-680	-5.5%
44.4%	12,278	11,690	-588	-4.8%
45.7%	12,054	11,607	-448	-3.7%
46.9%	12,006	11,562	-444	-3.7%
48.1%	11,962	11,523	-439	-3.7%
49.4%	11,943	11,505	-438	-3.7%
50.6%	11,928	11,476	-452	-3.8%
51.9%	11,869	11,426	-443	-3.7%
53.1%	11,845	11,412	-433	-3.7%
54.3%	11,841	11,387	-454	-3.8%
55.6%	11,786	11,362	-425	-3.6%
56.8%	11,745	11,354	-391	-3.3%
58.0%	11,661	11,337	-324	-2.8%
59.3%	11,612	11,287	-325	-2.8%
60.5%	11,570	11,270	-299	-2.6%
61.7%	11,525	11,244	-281	-2.4%
63.0%	11,516	11,127	-389	-3.4%
64.2%	11,506	11,094	-412	-3.6%
65.4%	11,367	11,068	-299	-2.6%
66.7%	11,360	10,992	-368	-3.2%
67.9%	11,328	10,977	-351	-3.1%
69.1%	11,317	10,912	-405	-3.6%
70.4%	11,216	10,870	-346	-3.1%
71.6%	11,185	10,800	-385	-3.4%
72.8%	11,167	10,777	-390	-3.5%
74.1%	11,049	10,683	-366	-3.3%
75.3%	11,023	10,632	-391	-3.5%
76.5%	10,961	10,630	-331	-3.0%
77.8%	10,933	10,581	-352	-3.2%
79.0%	10,863	10,523	-340	-3.1%
80.2%	10,832	10,447	-384	-3.5%
81.5%	10,800	10,401	-398	-3.7%
82.7%	10,790	10,394	-396	-3.7%
84.0%	10,698	10,361	-337	-3.1%
85.2%	10,687	10,318	-369	-3.5%
86.4%	10,615	10,209	-407	-3.8%
87.7%	10,573	9,794	-779	-7.4%
88.9%	10,436	9,729	-707	-6.8%
90.1%	10,361	9,717	-644	-6.2%
91.4%	10,266	9,460	-807	-7.9%
92.6%	10,230	9,418	-812	-7.9%
93.8%	10,182	9,116	-1,066	-10.5%
95.1%	10,091	9,101	-990	-9.8%
96.3%	9,838	8,654	-1,184	-12.0%
97.5%	9,303	8,589	-715	-7.7%
98.8%	8,964	8,500	-464	-5.2%
100.0%	8,781	8,134	-647	-7.4%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,042	19,127	3,085	19.2%
1.2%	15,933	18,740	2,808	17.6%
2.5%	15,787	15,932	146	0.9%
3.7%	15,545	15,544	0	0.0%
4.9%	15,480	15,528	48	0.3%
6.2%	15,459	15,481	22	0.1%
7.4%	15,441	15,465	24	0.2%
8.6%	15,429	15,438	9	0.1%
9.9%	15,405	15,434	28	0.2%
11.1%	15,379	15,380	1	0.0%
12.3%	15,363	15,378	15	0.1%
13.6%	15,341	15,363	22	0.1%
14.8%	15,338	15,339	1	0.0%
16.0%	15,330	15,338	8	0.1%
17.3%	15,320	15,332	11	0.1%
18.5%	15,297	15,303	6	0.0%
19.8%	15,296	15,296	0	0.0%
21.0%	15,295	15,257	-38	-0.2%
22.2%	15,294	15,233	-61	-0.4%
23.5%	15,236	15,231	-5	0.0%
24.7%	15,229	15,220	-9	-0.1%
25.9%	15,218	15,213	-5	0.0%
27.2%	15,209	15,111	-98	-0.6%
28.4%	15,168	15,092	-76	-0.5%
29.6%	15,153	15,073	-80	-0.5%
30.9%	15,139	15,073	-66	-0.4%
32.1%	15,109	15,066	-43	-0.3%
33.3%	15,097	15,056	-40	-0.3%
34.6%	15,066	15,025	-41	-0.3%
35.8%	15,058	15,002	-56	-0.4%
37.0%	15,045	14,997	-48	-0.3%
38.3%	15,018	14,996	-23	-0.2%
39.5%	14,985	14,969	-16	-0.1%
40.7%	14,977	14,960	-17	-0.1%
42.0%	14,970	14,858	-112	-0.7%
43.2%	14,962	14,832	-130	-0.9%
44.4%	14,948	14,829	-119	-0.8%
45.7%	14,931	14,745	-186	-1.2%
46.9%	14,914	14,674	-239	-1.6%
48.1%	14,909	14,569	-340	-2.3%
49.4%	14,889	14,486	-403	-2.7%
50.6%	14,861	14,459	-401	-2.7%
51.9%	14,812	14,328	-485	-3.3%
53.1%	14,809	14,104	-705	-4.8%
54.3%	14,804	13,976	-828	-5.6%
55.6%	14,780	13,891	-889	-6.0%
56.8%	14,765	13,823	-942	-6.4%
58.0%	14,627	13,791	-836	-5.7%
59.3%	14,620	13,523	-1,097	-7.5%
60.5%	14,367	13,502	-865	-6.0%
61.7%	14,260	13,482	-778	-5.5%
63.0%	14,202	13,475	-727	-5.1%
64.2%	14,107	13,441	-665	-4.7%
65.4%	14,080	13,425	-654	-4.6%
66.7%	14,052	13,421	-631	-4.5%
67.9%	14,031	13,413	-618	-4.4%
69.1%	13,980	13,402	-578	-4.1%
70.4%	13,888	13,389	-499	-3.6%
71.6%	13,761	13,323	-438	-3.2%
72.8%	13,613	13,204	-408	-3.0%
74.1%	13,427	13,134	-293	-2.2%
75.3%	13,375	12,983	-392	-2.9%
76.5%	13,256	12,969	-288	-2.2%
77.8%	13,175	12,963	-211	-1.6%
79.0%	13,102	12,898	-203	-1.6%
80.2%	12,972	12,817	-155	-1.2%
81.5%	12,909	12,769	-140	-1.1%
82.7%	12,884	12,765	-119	-0.9%
84.0%	12,821	12,691	-131	-1.0%
85.2%	12,802	12,591	-211	-1.6%
86.4%	12,759	12,553	-207	-1.6%
87.7%	12,646	12,477	-169	-1.3%
88.9%	12,517	12,448	-68	-0.5%
90.1%	12,378	12,378	0	0.0%
91.4%	12,339	12,353	15	0.1%
92.6%	12,138	12,259	121	1.0%
93.8%	11,913	12,173	260	2.2%
95.1%	11,859	11,816	-43	-0.4%
96.3%	11,833	11,769	-64	-0.5%
97.5%	11,093	11,528	435	3.9%
98.8%	10,741	11,496	754	7.0%
100.0%	9,801	9,968	168	1.7%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,571	13,401	-170	-1.3%
1.2%	13,442	13,348	-94	-0.7%
2.5%	13,314	12,179	-1,135	-8.5%
3.7%	12,955	12,131	-824	-6.4%
4.9%	12,836	12,008	-827	-6.4%
6.2%	12,773	11,728	-1,045	-8.2%
7.4%	12,568	11,644	-925	-7.4%
8.6%	12,231	11,383	-848	-6.9%
9.9%	12,192	11,217	-975	-8.0%
11.1%	12,109	11,212	-897	-7.4%
12.3%	11,833	11,188	-644	-5.4%
13.6%	11,780	11,172	-608	-5.2%
14.8%	11,607	11,165	-442	-3.8%
16.0%	11,584	11,132	-452	-3.9%
17.3%	11,555	11,079	-476	-4.1%
18.5%	11,496	10,978	-518	-4.5%
19.8%	11,429	10,903	-526	-4.6%
21.0%	11,312	10,841	-471	-4.2%
22.2%	11,303	10,803	-500	-4.4%
23.5%	11,231	10,780	-451	-4.0%
24.7%	11,201	10,742	-459	-4.1%
25.9%	11,169	10,738	-431	-3.9%
27.2%	11,106	10,718	-389	-3.5%
28.4%	11,058	10,652	-406	-3.7%
29.6%	11,030	10,608	-421	-3.8%
30.9%	11,005	10,608	-397	-3.6%
32.1%	10,960	10,577	-383	-3.5%
33.3%	10,946	10,577	-369	-3.4%
34.6%	10,844	10,561	-284	-2.6%
35.8%	10,790	10,511	-279	-2.6%
37.0%	10,729	10,470	-259	-2.4%
38.3%	10,674	10,386	-288	-2.7%
39.5%	10,507	10,366	-140	-1.3%
40.7%	10,453	10,345	-109	-1.0%
42.0%	10,411	10,337	-74	-0.7%
43.2%	10,405	10,316	-88	-0.8%
44.4%	10,307	10,309	2	0.0%
45.7%	10,295	10,285	-11	-0.1%
46.9%	10,257	10,284	28	0.3%
48.1%	10,230	10,283	54	0.5%
49.4%	10,211	10,263	52	0.5%
50.6%	10,062	10,258	196	1.9%
51.9%	10,057	10,257	200	2.0%
53.1%	10,034	10,254	220	2.2%
54.3%	10,012	10,210	198	2.0%
55.6%	9,945	10,204	260	2.6%
56.8%	9,904	10,158	254	2.6%
58.0%	9,871	10,151	281	2.8%
59.3%	9,772	10,129	357	3.7%
60.5%	9,755	10,127	372	3.8%
61.7%	9,725	10,116	391	4.0%
63.0%	9,595	10,107	512	5.3%
64.2%	9,579	10,104	525	5.5%
65.4%	9,565	10,101	536	5.6%
66.7%	9,554	10,068	514	5.4%
67.9%	9,491	10,041	550	5.8%
69.1%	9,466	10,022	556	5.9%
70.4%	9,440	9,992	553	5.9%
71.6%	9,400	9,967	567	6.0%
72.8%	9,377	9,960	582	6.2%
74.1%	9,301	9,953	652	7.0%
75.3%	9,212	9,923	711	7.7%
76.5%	9,202	9,913	711	7.7%
77.8%	9,041	9,899	858	9.5%
79.0%	9,004	9,863	859	9.5%
80.2%	8,994	9,860	865	9.6%
81.5%	8,952	9,849	897	10.0%
82.7%	8,912	9,817	905	10.2%
84.0%	8,816	9,804	988	11.2%
85.2%	8,802	9,787	985	11.2%
86.4%	8,705	9,713	1,008	11.6%
87.7%	8,628	9,671	1,043	12.1%
88.9%	8,491	9,669	1,179	13.9%
90.1%	8,415	9,625	1,210	14.4%
91.4%	8,390	9,337	947	11.3%
92.6%	8,300	9,282	982	11.8%
93.8%	8,246	9,256	1,009	12.2%
95.1%	8,149	9,240	1,091	13.4%
96.3%	8,006	9,124	1,118	14.0%
97.5%	7,859	9,116	1,257	16.0%
98.8%	6,898	9,115	2,217	32.1%
100.0%	6,831	9,060	2,229	32.6%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,583	16,406	-177	-1.1%
1.2%	16,055	15,802	-254	-1.6%
2.5%	15,970	15,599	-370	-2.3%
3.7%	15,636	15,450	-186	-1.2%
4.9%	15,485	15,293	-193	-1.2%
6.2%	15,464	15,195	-269	-1.7%
7.4%	15,461	15,165	-295	-1.9%
8.6%	15,405	15,123	-281	-1.8%
9.9%	15,404	15,073	-331	-2.1%
11.1%	15,220	15,003	-217	-1.4%
12.3%	15,003	14,978	-25	-0.2%
13.6%	14,911	14,910	-1	0.0%
14.8%	14,530	14,574	44	0.3%
16.0%	13,307	14,385	1,078	8.1%
17.3%	12,862	13,148	287	2.2%
18.5%	12,241	12,992	751	6.1%
19.8%	12,016	12,626	610	5.1%
21.0%	11,971	12,025	53	0.4%
22.2%	11,947	11,623	-325	-2.7%
23.5%	11,905	11,436	-468	-3.9%
24.7%	11,761	11,335	-426	-3.6%
25.9%	11,557	10,881	-676	-5.8%
27.2%	11,549	10,663	-886	-7.7%
28.4%	10,981	10,592	-388	-3.5%
29.6%	10,912	10,580	-332	-3.0%
30.9%	10,843	10,100	-743	-6.9%
32.1%	10,713	9,800	-913	-8.5%
33.3%	10,102	9,797	-305	-3.0%
34.6%	9,616	9,374	-242	-2.5%
35.8%	9,598	9,240	-359	-3.7%
37.0%	8,759	9,016	257	2.9%
38.3%	8,732	8,977	245	2.8%
39.5%	8,702	8,533	-168	-1.9%
40.7%	8,505	8,532	27	0.3%
42.0%	8,419	8,481	62	0.7%
43.2%	8,012	8,038	26	0.3%
44.4%	7,624	7,806	182	2.4%
45.7%	7,560	7,566	6	0.1%
46.9%	7,538	7,460	-77	-1.0%
48.1%	7,479	7,357	-123	-1.6%
49.4%	7,469	7,119	-350	-4.7%
50.6%	7,375	7,066	-309	-4.2%
51.9%	7,373	6,918	-456	-6.2%
53.1%	7,187	6,914	-273	-3.8%
54.3%	7,110	6,890	-220	-3.1%
55.6%	6,884	6,818	-66	-1.0%
56.8%	6,873	6,675	-198	-2.9%
58.0%	6,503	6,641	138	2.1%
59.3%	6,455	6,599	144	2.2%
60.5%	6,193	6,588	395	6.4%
61.7%	6,048	6,578	530	8.8%
63.0%	5,981	6,560	579	9.7%
64.2%	5,915	6,541	626	10.6%
65.4%	5,777	6,537	760	13.2%
66.7%	5,630	6,509	879	15.6%
67.9%	5,618	6,317	699	12.4%
69.1%	5,604	6,307	703	12.5%
70.4%	5,597	6,306	709	12.7%
71.6%	5,568	6,297	729	13.1%
72.8%	5,530	6,296	765	13.8%
74.1%	5,474	6,291	817	14.9%
75.3%	5,455	6,280	825	15.1%
76.5%	5,327	6,262	935	17.6%
77.8%	5,259	6,223	964	18.3%
79.0%	5,248	6,149	901	17.2%
80.2%	5,236	6,136	900	17.2%
81.5%	5,219	6,092	873	16.7%
82.7%	5,216	6,017	802	15.4%
84.0%	5,178	5,935	756	14.6%
85.2%	5,173	5,916	743	14.4%
86.4%	5,038	5,897	860	17.1%
87.7%	5,033	5,794	761	15.1%
88.9%	5,005	5,717	712	14.2%
90.1%	4,979	5,648	669	13.4%
91.4%	4,798	5,645	848	17.7%
92.6%	4,732	5,605	874	18.5%
93.8%	4,622	5,561	939	20.3%
95.1%	4,592	5,515	923	20.1%
96.3%	4,567	5,513	946	20.7%
97.5%	4,530	5,451	921	20.3%
98.8%	4,409	5,369	960	21.8%
100.0%	4,387	5,146	759	17.3%

Figure SW-12-b
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Probability of Exceedance

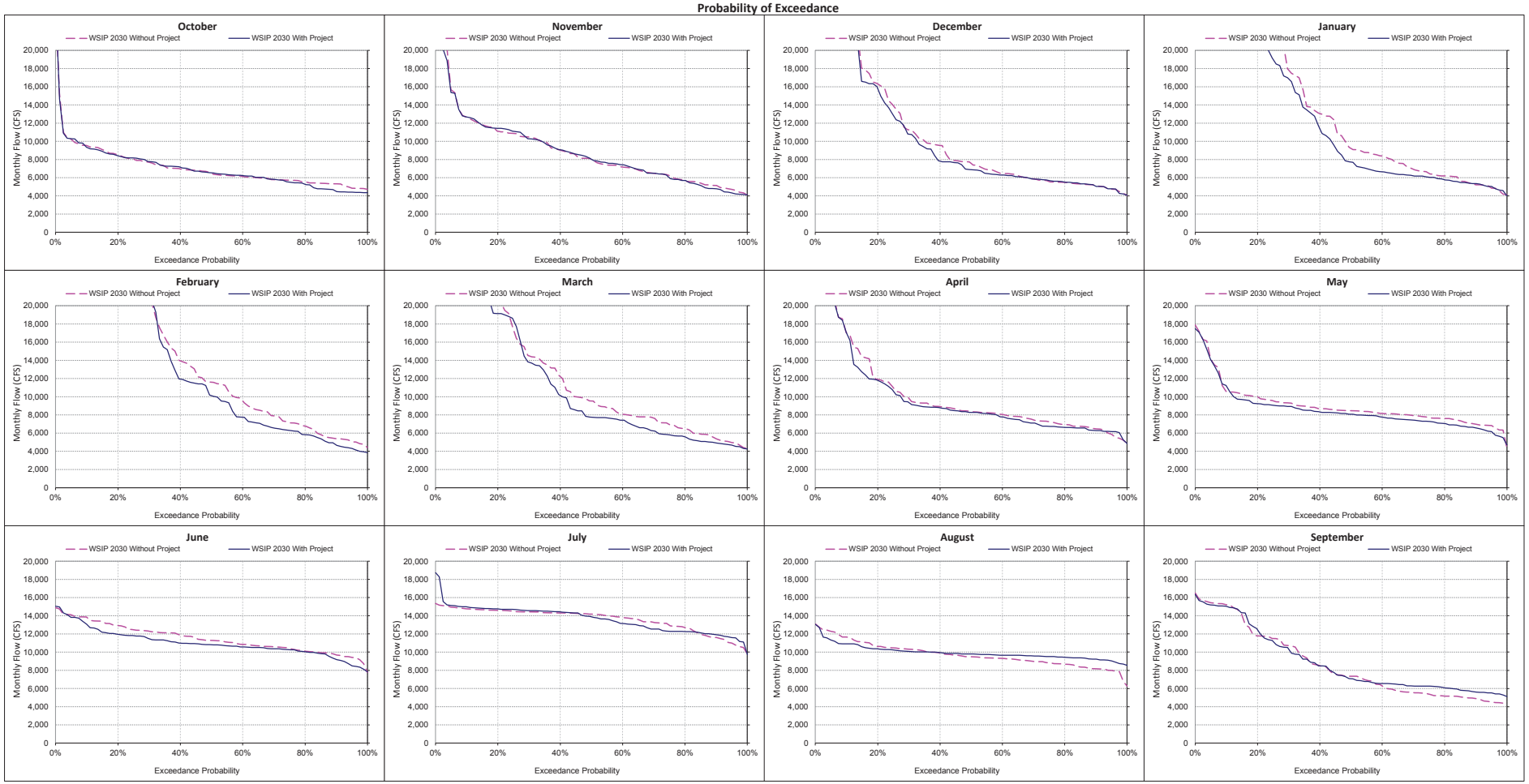


Table SW-12-b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,760	25,516	756	3.1%
1.2%	15,293	14,660	-633	-4.1%
2.5%	10,996	10,892	-104	-0.9%
3.7%	10,407	10,348	-60	-0.6%
4.9%	10,242	10,280	37	0.4%
6.2%	9,874	10,264	390	3.9%
7.4%	9,723	9,823	101	1.0%
8.6%	9,565	9,803	237	2.5%
9.9%	9,544	9,357	-187	-2.0%
11.1%	9,373	9,189	-183	-2.0%
12.3%	9,370	9,144	-226	-2.4%
13.6%	9,310	9,053	-258	-2.8%
14.8%	9,117	8,910	-206	-2.3%
16.0%	8,941	8,708	-233	-2.6%
17.3%	8,686	8,594	-92	-1.1%
18.5%	8,664	8,579	-86	-1.0%
19.8%	8,540	8,442	-99	-1.2%
21.0%	8,388	8,310	-77	-0.9%
22.2%	8,222	8,194	-28	-0.3%
23.5%	8,115	8,172	57	0.7%
24.7%	8,106	8,166	59	0.7%
25.9%	7,895	8,140	245	3.1%
27.2%	7,892	8,051	159	2.0%
28.4%	7,749	8,018	268	3.5%
29.6%	7,721	7,771	50	0.6%
30.9%	7,621	7,762	142	1.9%
32.1%	7,433	7,681	248	3.3%
33.3%	7,376	7,447	70	1.0%
34.6%	7,355	7,290	-65	-0.9%
35.8%	7,078	7,259	182	2.6%
37.0%	7,037	7,254	217	3.1%
38.3%	7,034	7,221	187	2.7%
39.5%	7,009	7,208	200	2.9%
40.7%	6,890	7,075	185	2.7%
42.0%	6,862	7,038	176	2.6%
43.2%	6,846	6,903	57	0.8%
44.4%	6,823	6,717	-105	-1.5%
45.7%	6,810	6,708	-101	-1.5%
46.9%	6,731	6,626	-105	-1.6%
48.1%	6,699	6,609	-91	-1.4%
49.4%	6,580	6,538	-42	-0.6%
50.6%	6,372	6,519	147	2.3%
51.9%	6,320	6,435	115	1.8%
53.1%	6,275	6,400	125	2.0%
54.3%	6,266	6,365	100	1.6%
55.6%	6,239	6,317	78	1.3%
56.8%	6,206	6,287	81	1.3%
58.0%	6,191	6,258	68	1.1%
59.3%	6,187	6,251	65	1.0%
60.5%	6,098	6,221	123	2.0%
61.7%	6,070	6,185	115	1.9%
63.0%	6,036	6,183	147	2.4%
64.2%	6,020	6,044	23	0.4%
65.4%	5,967	6,031	64	1.1%
66.7%	5,952	6,026	74	1.2%
67.9%	5,933	5,862	-71	-1.2%
69.1%	5,793	5,822	29	0.5%
70.4%	5,788	5,803	15	0.3%
71.6%	5,785	5,746	-39	-0.7%
72.8%	5,749	5,728	-21	-0.4%
74.1%	5,732	5,549	-183	-3.2%
75.3%	5,714	5,501	-213	-3.7%
76.5%	5,712	5,426	-286	-5.0%
77.8%	5,686	5,423	-262	-4.6%
79.0%	5,544	5,404	-140	-2.5%
80.2%	5,530	5,251	-279	-5.0%
81.5%	5,427	5,218	-209	-3.9%
82.7%	5,426	4,900	-526	-9.7%
84.0%	5,419	4,784	-635	-11.7%
85.2%	5,382	4,781	-601	-11.2%
86.4%	5,372	4,746	-626	-11.7%
87.7%	5,339	4,710	-628	-11.8%
88.9%	5,328	4,682	-646	-12.1%
90.1%	5,327	4,462	-865	-16.2%
91.4%	5,308	4,446	-862	-16.2%
92.6%	5,088	4,434	-654	-12.9%
93.8%	4,987	4,421	-566	-11.3%
95.1%	4,842	4,406	-435	-9.0%
96.3%	4,828	4,392	-436	-9.0%
97.5%	4,816	4,386	-430	-8.9%
98.8%	4,812	4,361	-452	-9.4%
100.0%	4,718	4,359	-359	-7.6%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,605	30,227	-378	-1.2%
1.2%	27,114	27,898	784	2.9%
2.5%	20,414	20,108	-305	-1.5%
3.7%	20,122	18,867	-1,255	-6.2%
4.9%	15,672	15,364	-309	-2.0%
6.2%	15,356	15,295	-61	-0.4%
7.4%	13,544	13,510	-34	-0.2%
8.6%	12,859	12,786	-73	-0.6%
9.9%	12,658	12,698	40	0.3%
11.1%	12,465	12,597	132	1.1%
12.3%	12,250	12,468	218	1.8%
13.6%	12,044	12,118	74	0.6%
14.8%	11,842	11,796	-46	-0.4%
16.0%	11,694	11,560	-134	-1.1%
17.3%	11,577	11,521	-56	-0.5%
18.5%	11,570	11,458	-112	-1.0%
19.8%	11,129	11,428	298	2.7%
21.0%	11,041	11,425	383	3.5%
22.2%	11,037	11,386	349	3.2%
23.5%	10,905	11,298	393	3.6%
24.7%	10,885	11,117	232	2.1%
25.9%	10,846	11,068	222	2.0%
27.2%	10,546	11,003	457	4.3%
28.4%	10,501	10,629	128	1.2%
29.6%	10,492	10,285	-206	-2.0%
30.9%	10,424	10,274	-150	-1.4%
32.1%	10,319	10,206	-114	-1.1%
33.3%	10,079	10,125	46	0.5%
34.6%	9,888	9,915	26	0.3%
35.8%	9,836	9,614	-222	-2.3%
37.0%	9,272	9,481	209	2.3%
38.3%	9,172	9,262	90	1.0%
39.5%	9,083	9,085	1	0.0%
40.7%	8,953	9,026	73	0.8%
42.0%	8,836	8,882	46	0.5%
43.2%	8,653	8,776	123	1.4%
44.4%	8,647	8,637	-9	-0.1%
45.7%	8,261	8,550	289	3.5%
46.9%	8,132	8,454	322	4.0%
48.1%	8,131	8,339	207	2.5%
49.4%	8,126	8,137	11	0.1%
50.6%	7,887	7,882	-5	-0.1%
51.9%	7,637	7,828	191	2.5%
53.1%	7,513	7,717	204	2.7%
54.3%	7,427	7,705	278	3.7%
55.6%	7,379	7,588	209	2.8%
56.8%	7,375	7,570	194	2.6%
58.0%	7,369	7,513	144	2.0%
59.3%	7,203	7,445	241	3.3%
60.5%	7,148	7,416	269	3.8%
61.7%	7,114	7,267	153	2.1%
63.0%	7,050	7,111	61	0.9%
64.2%	6,956	6,976	20	0.3%
65.4%	6,782	6,885	104	1.5%
66.7%	6,697	6,833	136	2.0%
67.9%	6,588	6,496	-92	-1.4%
69.1%	6,524	6,493	-31	-0.5%
70.4%	6,467	6,492	26	0.4%
71.6%	6,429	6,410	-19	-0.3%
72.8%	6,402	6,408	6	0.1%
74.1%	6,343	6,285	-59	-0.9%
75.3%	6,190	5,891	-299	-4.8%
76.5%	5,949	5,821	-128	-2.2%
77.8%	5,836	5,808	-28	-0.5%
79.0%	5,781	5,701	-80	-1.4%
80.2%	5,593	5,696	103	1.8%
81.5%	5,587	5,428	-159	-2.9%
82.7%	5,572	5,366	-206	-3.7%
84.0%	5,516	5,265	-252	-4.6%
85.2%	5,378	5,130	-248	-4.6%
86.4%	5,220	4,906	-314	-6.0%
87.7%	5,213	4,812	-402	-7.7%
88.9%	5,153	4,799	-354	-6.9%
90.1%	5,140	4,792	-348	-6.8%
91.4%	4,910	4,701	-209	-4.3%
92.6%	4,871	4,435	-435	-8.9%
93.8%	4,790	4,418	-372	-7.8%
95.1%	4,710	4,330	-379	-8.1%
96.3%	4,596	4,223	-373	-8.1%
97.5%	4,395	4,179	-216	-4.9%
98.8%	4,334	4,149	-185	-4.3%
100.0%	4,081	4,133	51	1.3%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,323	44,322	-1	0.0%
1.2%	40,732	41,426	694	1.7%
2.5%	40,685	38,627	-2,058	-5.1%
3.7%	40,604	38,418	-2,186	-5.4%
4.9%	37,377	35,254	-2,123	-5.7%
6.2%	31,674	32,137	462	1.5%
7.4%	31,408	30,358	-1,050	-3.3%
8.6%	30,944	29,289	-1,655	-5.3%
9.9%	26,188	26,363	175	0.7%
11.1%	25,176	25,177	2	0.0%
12.3%	23,711	21,594	-2,117	-8.9%
13.6%	21,766	20,759	-1,007	-4.6%
14.8%	18,054	16,605	-1,450	-8.0%
16.0%	17,841	16,522	-1,319	-7.4%
17.3%	17,453	16,346	-1,106	-6.3%
18.5%	16,523	16,329	-195	-1.2%
19.8%	16,371	16,025	-345	-2.1%
21.0%	16,092	14,975	-1,117	-6.9%
22.2%	15,835	14,221	-1,614	-10.2%
23.5%	14,491	13,716	-776	-5.4%
24.7%	14,052	13,068	-984	-7.0%
25.9%	13,524	12,365	-1,159	-8.6%
27.2%	13,073	12,188	-885	-6.8%
28.4%	11,563	11,712	149	1.3%
29.6%	11,268	10,811	-456	-4.1%
30.9%	11,250	10,752	-498	-4.4%
32.1%	10,820	10,359	-460	-4.3%
33.3%	10,291	9,649	-642	-6.2%
34.6%	10,185	9,446	-739	-7.3%
35.8%	9,808	9,189	-619	-6.3%
37.0%	9,756	9,144	-612	-6.3%
38.3%	9,649	8,394	-1,255	-13.0%
39.5%	9,571	7,855	-1,716	-17.9%
40.7%	9,529	7,763	-1,766	-18.5%
42.0%	8,553	7,759	-794	-9.3%
43.2%	7,965	7,735	-230	-2.9%
44.4%	7,890	7,662	-229	-2.9%
45.7%	7,856	7,634	-222	-2.8%
46.9%	7,769	7,427	-342	-4.4%
48.1%	7,766	6,946	-820	-10.6%
49.4%	7,733	6,905	-828	-10.7%
50.6%	7,385	6,864	-521	-7.1%
51.9%	7,373	6,835	-538	-7.3%
53.1%	7,151	6,752	-400	-5.6%
54.3%	6,953	6,500	-453	-6.5%
55.6%	6,857	6,431	-426	-6.2%
56.8%	6,843	6,381	-461	-6.7%
58.0%	6,662	6,359	-303	-4.6%
59.3%	6,486	6,293	-193	-3.0%
60.5%	6,455	6,281	-175	-2.7%
61.7%	6,451	6,237	-215	-3.3%
63.0%	6,398	6,222	-176	-2.8%
64.2%	6,356	6,122	-234	-3.7%
65.4%	6,163	6,087	-76	-1.2%
66.7%	6,052	6,074	22	0.4%
67.9%	5,996	6,011	16	0.3%
69.1%	5,868	5,881	13	0.2%
70.4%	5,866	5,842	-25	-0.4%
71.6%	5,742	5,841	100	1.7%
72.8%	5,719	5,771	51	0.9%
74.1%	5,699	5,753	54	0.9%
75.3%	5,530	5,663	132	2.4%
76.5%	5,526	5,622	95	1.7%
77.8%	5,507	5,601	94	1.7%
79.0%	5,500	5,573	73	1.3%
80.2%	5,481	5,491	11	0.2%
81.5%	5,433	5,483	51	0.9%
82.7%	5,375	5,440	65	1.2%
84.0%	5,326	5,435	108	2.0%
85.2%	5,313	5,330	17	0.3%
86.4%	5,261	5,312	51	1.0%
87.7%	5,241	5,269	28	0.5%
88.9%	5,231	5,228	-3	-0.1%
90.1%	5,114	5,039	-75	-1.5%
91.4%	5,043	5,031	-12	-0.2%
92.6%	5,007	5,006	-1	0.0%
93.8%	4,780	4,785	4	0.1%
95.1%	4,727	4,782	55	1.2%
96.3%	4,717	4,743	26	0.5%
97.5%	4,472	4,280	-192	-4.3%
98.8%	4,277	4,217	-60	-1.4%
100.0%	4,053	4,059	5	0.1%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79,033	79,029	-5	0.0%
1.2%	57,100	56,882	-217	-0.4%
2.5%	56,011	53,902	-2,109	-3.8%
3.7%	54,057	53,710	-347	-0.6%
4.9%	52,712	52,200	-512	-1.0%
6.2%	44,749	44,464	-285	-0.6%
7.4%	44,597	43,183	-1,414	-3.2%
8.6%	44,010	42,625	-1,385	-3.1%
9.9%	34,985	34,201	-784	-2.2%
11.1%	34,200	32,858	-1,342	-3.9%
12.3%	31,743	31,743	0	0.0%
13.6%	30,506	29,640	-865	-2.8%
14.8%	29,901	29,118	-783	-2.6%
16.0%	28,840	24,893	-3,947	-13.7%
17.3%	26,895	24,771	-2,124	-7.9%
18.5%	26,705	24,593	-2,112	-7.9%
19.8%	22,392	21,929	-463	-2.1%
21.0%	22,004	21,751	-254	-1.2%
22.2%	21,876	20,370	-1,506	-6.9%
23.5%	21,449	20,015	-1,434	-6.7%
24.7%	21,286	19,173	-2,113	-9.9%
25.9%	20,728	18,496	-2,231	-10.8%
27.2%	20,545	18,325	-2,220	-10.8%
28.4%	20,448	17,198	-3,251	-15.9%
29.6%	17,980	16,998	-981	-5.5%
30.9%	17,496	16,569	-927	-5.3%
32.1%	17,245	15,373	-1,872	-10.9%
33.3%	16,998	15,114	-1,884	-11.1%
34.6%	15,706	13,762	-1,944	-12.4%
35.8%	13,831	13,443	-389	-2.8%
37.0%	13,768	13,110	-658	-4.8%
38.3%	13,398	12,774	-624	-4.7%
39.5%	13,109	11,701	-1,408	-10.7%
40.7%	12,968	10,847	-2,122	-16.4%
42.0%	12,776	10,629	-2,148	-16.8%
43.2%	12,752	10,267	-2,485	-19.5%
44.4%	12,387	9,605	-2,782	-22.5%
45.7%	10,761	8,884	-1,877	-17.4%
46.9%	10,628	8,505	-2,123	-20.0%
48.1%	9,997	7,876	-2,121	-21.2%
49.4%	9,336	7,749	-1,586	-17.0%
50.6%	9,094	7,705	-1,388	-15.3%
51.9%	9,077	7,234	-1,843	-20.3%
53.1%	8,966	7,160	-1,805	-20.1%
54.3%	8,779	7,073	-1,706	-19.4%
55.6%	8,767	6,957	-1,810	-20.6%
56.8%	8,604	6,833	-1,770	-20.6%
58.0%	8,537	6,707	-1,829	-21.4%
59.3%	8,409	6,670	-1,739	-20.7%
60.5%	8,372	6,647	-1,725	-20.6%
61.7%	8,147	6,547	-1,600	-19.6%
63.0%	8,017	6,483	-1,535	-19.1%
64.2%	7,720	6,415	-1,305	-16.9%
65.4%	7,583	6,360	-1,224	-16.1%
66.7%	7,562	6,351	-1,211	-16.0%
67.9%	7,219	6,286	-933	-12.9%
69.1%	7,048	6,271	-777	-11.0%
70.4%	6,865	6,189	-676	-9.8%
71.6%	6,759	6,188	-571	-8.5%
72.8%	6,703	6,179	-525	-7.8%
74.1%	6,666	6,097	-570	-8.5%
75.3%	6,414	6,041	-373	-5.8%
76.5%	6,370	6,027	-343	-5.4%
77.8%	6,236	5,895	-341	-5.5%
79.0%	6,194	5,858	-337	-5.4%
80.2%	6,191	5,747	-444	-7.2%
81.5%	6,178	5,716	-462	-7.5%
82.7%	6,129	5,601	-528	-8.6%
84.0%	6,095	5,588	-507	-8.3%
85.2%	5,609	5,465	-144	-2.6%
86.4%	5,584	5,454	-130	-2.3%
87.7%	5,447	5,398	-49	-0.9%
88.9%	5,313	5,365	52	1.0%
90.1%	5,221	5,363	142	2.7%
91.4%	5,220	5,294	74	1.4%
92.6%	5,189	5,146	-43	-0.8%
93.8%	5,148	5,026	-122	-2.4%
95.1%	4,848	5,025	176	3.6%
96.3%	4,834	4,767	-67	-1.4%
97.5%	4,573	4,642	69	1.5%
98.8%	4,194	4,576	382	9.1%
100.0%	4,137	3,999	-138	-3.3%

Table SW-12-b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	88,545	86,424	-2,121	-2.4%
1.2%	85,350	83,548	-1,802	-2.1%
2.5%	59,759	59,357	-402	-0.7%
3.7%	59,446	57,330	-2,116	-3.6%
4.9%	58,589	56,879	-1,710	-2.9%
6.2%	56,878	56,469	-410	-0.7%
7.4%	50,901	50,834	-67	-0.1%
8.6%	46,353	44,253	-2,099	-4.5%
9.9%	44,263	42,291	-1,972	-4.5%
11.1%	44,022	42,137	-1,886	-4.3%
12.3%	41,078	41,505	427	1.0%
13.6%	40,758	40,109	-649	-1.6%
14.8%	40,164	39,399	-765	-1.9%
16.0%	40,108	38,634	-1,474	-3.7%
17.3%	38,421	38,421	1	0.0%
18.5%	34,442	34,442	1	0.0%
19.8%	33,379	31,242	-2,137	-6.4%
21.0%	32,185	30,808	-1,377	-4.3%
22.2%	31,456	30,269	-1,187	-3.8%
23.5%	30,088	29,336	-753	-2.5%
24.7%	28,456	27,955	-501	-1.8%
25.9%	27,665	26,323	-1,342	-4.9%
27.2%	25,349	23,236	-2,113	-8.3%
28.4%	23,534	21,397	-2,136	-9.1%
29.6%	21,968	21,345	-623	-2.8%
30.9%	20,376	20,530	154	0.8%
32.1%	18,736	19,287	551	2.9%
33.3%	17,586	16,380	-1,206	-6.9%
34.6%	16,782	15,471	-1,312	-7.8%
35.8%	16,027	15,189	-838	-5.2%
37.0%	15,365	13,907	-1,458	-9.5%
38.3%	15,018	12,899	-2,119	-14.1%
39.5%	14,003	11,955	-2,048	-14.6%
40.7%	13,844	11,893	-1,951	-14.1%
42.0%	13,697	11,718	-1,978	-14.4%
43.2%	13,369	11,585	-1,784	-13.3%
44.4%	13,071	11,505	-1,566	-12.0%
45.7%	12,186	11,422	-764	-6.3%
46.9%	12,086	11,417	-669	-5.5%
48.1%	11,657	11,248	-409	-3.5%
49.4%	11,610	10,189	-1,421	-12.2%
50.6%	11,582	10,048	-1,534	-13.2%
51.9%	11,424	9,967	-1,457	-12.8%
53.1%	11,398	9,534	-1,864	-16.4%
54.3%	11,246	9,461	-1,785	-15.9%
55.6%	10,514	9,335	-1,179	-11.2%
56.8%	10,049	8,393	-1,656	-16.5%
58.0%	9,910	7,790	-2,120	-21.4%
59.3%	9,858	7,767	-2,092	-21.2%
60.5%	9,325	7,726	-1,599	-17.1%
61.7%	8,985	7,270	-1,714	-19.1%
63.0%	8,756	7,206	-1,550	-17.7%
64.2%	8,590	7,128	-1,462	-17.0%
65.4%	8,515	7,078	-1,438	-16.9%
66.7%	8,394	6,867	-1,527	-18.2%
67.9%	8,337	6,760	-1,577	-18.9%
69.1%	7,931	6,633	-1,298	-16.4%
70.4%	7,888	6,531	-1,357	-17.2%
71.6%	7,797	6,472	-1,325	-17.0%
72.8%	7,325	6,397	-928	-12.7%
74.1%	7,270	6,345	-925	-12.7%
75.3%	7,128	6,274	-854	-12.0%
76.5%	7,113	6,213	-900	-12.6%
77.8%	7,027	6,193	-834	-11.9%
79.0%	6,836	5,850	-986	-14.4%
80.2%	6,759	5,811	-948	-14.0%
81.5%	6,569	5,793	-776	-11.8%
82.7%	6,411	5,677	-734	-11.4%
84.0%	5,989	5,511	-478	-8.0%
85.2%	5,810	5,357	-453	-7.8%
86.4%	5,583	5,109	-474	-8.5%
87.7%	5,509	4,941	-568	-10.3%
88.9%	5,445	4,932	-513	-9.4%
90.1%	5,375	4,638	-737	-13.7%
91.4%	5,364	4,537	-826	-15.4%
92.6%	5,309	4,458	-851	-16.0%
93.8%	5,250	4,395	-855	-16.3%
95.1%	5,036	4,307	-729	-14.5%
96.3%	5,017	4,149	-869	-17.3%
97.5%	4,836	4,010	-826	-17.1%
98.8%	4,776	3,930	-846	-17.7%
100.0%	4,409	3,867	-541	-12.3%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,912	81,873	-39	0.0%
1.2%	78,728	76,613	-2,115	-2.7%
2.5%	56,404	55,935	-469	-0.8%
3.7%	49,359	49,353	-6	0.0%
4.9%	40,657	39,098	-1,558	-3.8%
6.2%	35,455	33,330	-2,126	-6.0%
7.4%	34,657	32,515	-2,142	-6.2%
8.6%	33,932	31,811	-2,121	-6.2%
9.9%	31,335	31,288	-47	-0.1%
11.1%	29,484	27,367	-2,117	-7.2%
12.3%	22,960	22,934	-26	-0.1%
13.6%	22,849	21,843	-1,006	-4.4%
14.8%	22,039	21,557	-482	-2.2%
16.0%	21,714	21,462	-252	-1.2%
17.3%	21,496	20,595	-900	-4.2%
18.5%	20,739	19,177	-1,562	-7.5%
19.8%	20,468	19,152	-1,316	-6.4%
21.0%	20,350	19,131	-1,219	-6.0%
22.2%	19,491	19,010	-481	-2.5%
23.5%	19,156	18,835	-320	-1.7%
24.7%	17,719	18,620	902	5.1%
25.9%	16,434	17,703	1,269	7.7%
27.2%	15,760	16,110	350	2.2%
28.4%	15,513	14,477	-1,036	-6.7%
29.6%	14,543	13,834	-710	-4.9%
30.9%	14,391	13,702	-689	-4.8%
32.1%	14,339	13,457	-881	-6.1%
33.3%	14,140	13,419	-721	-5.1%
34.6%	13,701	12,943	-758	-5.5%
35.8%	13,505	12,271	-1,234	-9.1%
37.0%	13,167	11,387	-1,780	-13.5%
38.3%	13,148	11,051	-2,097	-16.0%
39.5%	12,362	10,236	-2,125	-17.2%
40.7%	11,990	9,979	-2,011	-16.8%
42.0%	10,710	9,868	-842	-7.9%
43.2%	10,559	8,708	-1,851	-17.5%
44.4%	10,022	8,603	-1,420	-14.2%
45.7%	9,961	8,444	-1,518	-15.2%
46.9%	9,896	8,440	-1,456	-14.7%
48.1%	9,773	7,839	-1,933	-19.8%
49.4%	9,539	7,776	-1,764	-18.5%
50.6%	9,525	7,728	-1,797	-18.9%
51.9%	9,067	7,714	-1,353	-14.9%
53.1%	8,928	7,702	-1,225	-13.7%
54.3%	8,896	7,696	-1,200	-13.5%
55.6%	8,721	7,652	-1,069	-12.3%
56.8%	8,708	7,600	-1,108	-12.7%
58.0%	8,329	7,536	-794	-9.5%
59.3%	8,073	7,425	-648	-8.0%
60.5%	8,062	7,406	-656	-8.1%
61.7%	8,000	7,123	-877	-11.0%
63.0%	7,928	6,948	-981	-12.4%
64.2%	7,833	6,775	-1,058	-13.5%
65.4%	7,786	6,592	-1,195	-15.3%
66.7%	7,786	6,588	-1,198	-15.4%
67.9%	7,784	6,485	-1,299	-16.7%
69.1%	7,757	6,270	-1,487	-19.2%
70.4%	7,603	6,214	-1,389	-18.3%
71.6%	7,146	5,945	-1,201	-16.8%
72.8%	7,135	5,871	-1,264	-17.7%
74.1%	7,126	5,859	-1,267	-17.8%
75.3%	6,885	5,805	-1,079	-15.7%
76.5%	6,858	5,712	-1,146	-16.7%
77.8%	6,595	5,667	-928	-14.1%
79.0%	6,519	5,666	-853	-13.1%
80.2%	6,492	5,569	-923	-14.2%
81.5%	6,338	5,337	-1,001	-15.8%
82.7%	5,980	5,228	-753	-12.6%
84.0%	5,974	5,165	-810	-13.6%
85.2%	5,879	5,072	-807	-13.7%
86.4%	5,866	5,067	-798	-13.6%
87.7%	5,814	5,014	-800	-13.8%
88.9%	5,576	5,005	-571	-10.2%
90.1%	5,352	4,922	-431	-8.0%
91.4%	5,201	4,851	-350	-6.7%
92.6%	5,127	4,782	-345	-6.7%
93.8%	5,077	4,724	-352	-6.9%
95.1%	4,961	4,678	-283	-5.7%
96.3%	4,927	4,524	-403	-8.2%
97.5%	4,679	4,509	-170	-3.6%
98.8%	4,401	4,320	-81	-1.8%
100.0%	4,305	4,254	-51	-1.2%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,595	40,718	-1,877	-4.4%
1.2%	33,232	33,232	0	0.0%
2.5%	27,679	27,679	0	0.0%
3.7%	23,083	23,085	1	0.0%
4.9%	20,982	20,983	1	0.0%
6.2%	20,590	20,248	-342	-1.7%
7.4%	18,736	18,737	1	0.0%
8.6%	18,566	18,407	-159	-0.9%
9.9%	17,054	17,052	-2	0.0%
11.1%	16,749	16,203	-546	-3.3%
12.3%	15,443	13,566	-1,877	-12.2%
13.6%	15,303	13,253	-2,051	-13.4%
14.8%	14,418	12,751	-1,666	-11.6%
16.0%	14,293	12,370	-1,923	-13.5%
17.3%	14,168	11,968	-2,200	-15.5%
18.5%	12,094	11,918	-176	-1.5%
19.8%	11,918	11,838	-80	-0.7%
21.0%	11,839	11,628	-211	-1.8%
22.2%	11,629	11,401	-228	-2.0%
23.5%	11,617	11,121	-496	-4.3%
24.7%	11,122	10,797	-326	-2.9%
25.9%	10,593	10,202	-391	-3.7%
27.2%	10,486	10,130	-356	-3.4%
28.4%	10,030	9,468	-562	-5.6%
29.6%	9,987	9,433	-554	-5.5%
30.9%	9,466	9,124	-342	-3.6%
32.1%	9,379	9,067	-312	-3.3%
33.3%	9,319	8,993	-326	-3.5%
34.6%	9,303	8,908	-394	-4.2%
35.8%	9,301	8,863	-438	-4.7%
37.0%	9,064	8,855	-210	-2.3%
38.3%	8,948	8,845	-102	-1.1%
39.5%	8,935	8,819	-116	-1.3%
40.7%	8,880	8,719	-161	-1.8%
42.0%	8,823	8,700	-123	-1.4%
43.2%	8,768	8,531	-237	-2.7%
44.4%	8,692	8,471	-221	-2.5%
45.7%	8,550	8,452	-98	-1.1%
46.9%	8,455	8,373	-82	-1.0%
48.1%	8,452	8,365	-87	-1.0%
49.4%	8,409	8,275	-134	-1.6%
50.6%	8,339	8,273	-66	-0.8%
51.9%	8,316	8,273	-43	-0.5%
53.1%	8,278	8,175	-102	-1.2%
54.3%	8,276	8,159	-117	-1.4%
55.6%	8,226	8,122	-105	-1.3%
56.8%	8,204	8,076	-128	-1.6%
58.0%	8,169	8,028	-141	-1.7%
59.3%	8,082	7,780	-302	-3.7%
60.5%	8,028	7,774	-254	-3.2%
61.7%	7,916	7,613	-303	-3.8%
63.0%	7,845	7,556	-290	-3.7%
64.2%	7,844	7,502	-342	-4.4%
65.4%	7,817	7,464	-353	-4.5%
66.7%	7,729	7,246	-483	-6.2%
67.9%	7,622	7,178	-444	-5.8%
69.1%	7,545	7,117	-428	-5.7%
70.4%	7,409	7,107	-302	-4.1%
71.6%	7,345	6,948	-397	-5.4%
72.8%	7,322	6,765	-557	-7.6%
74.1%	7,304	6,759	-545	-7.5%
75.3%	7,231	6,747	-485	-6.7%
76.5%	7,154	6,733	-421	-5.9%
77.8%	7,033	6,670	-363	-5.2%
79.0%	6,964	6,660	-304	-4.4%
80.2%	6,941	6,627	-314	-4.5%
81.5%	6,913	6,623	-290	-4.2%
82.7%	6,754	6,579	-174	-2.6%
84.0%	6,753	6,561	-192	-2.8%
85.2%	6,742	6,557	-185	-2.7%
86.4%	6,710	6,551	-159	-2.4%
87.7%	6,649	6,346	-304	-4.6%
88.9%	6,521	6,299	-222	-3.4%
90.1%	6,459	6,280	-178	-2.8%
91.4%	6,445	6,268	-177	-2.7%
92.6%	6,334	6,190	-144	-2.3%
93.8%	6,013	6,187	174	2.9%
95.1%	5,866	6,158	291	5.0%
96.3%	5,520	6,150	630	11.4%
97.5%	5,431	6,059	628	11.6%
98.8%	5,232	5,251	19	0.4%
100.0%	4,869	4,866	-3	-0.1%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,891	17,493	-398	-2.2%
1.2%	17,195	17,098	-97	-0.6%
2.5%	16,295	16,294	0	0.0%
3.7%	16,136	15,202	-933	-5.8%
4.9%	14,130	14,132	1	0.0%
6.2%	13,496	13,399	-97	-0.7%
7.4%	13,208	12,603	-605	-4.6%
8.6%	11,246	11,420	174	1.5%
9.9%	10,591	11,247	655	6.2%
11.1%	10,530	10,530	1	0.0%
12.3%	10,509	10,026	-483	-4.6%
13.6%	10,436	9,728	-708	-6.8%
14.8%	10,325	9,710	-615	-6.0%
16.0%	10,156	9,639	-517	-5.1%
17.3%	10,141	9,592	-549	-5.4%
18.5%	10,058	9,278	-780	-7.8%
19.8%	10,053	9,248	-805	-8.0%
21.0%	9,768	9,222	-546	-5.6%
22.2%	9,711	9,139	-571	-5.9%
23.5%	9,647	9,132	-515	-5.3%
24.7%	9,580	9,062	-518	-5.4%
25.9%	9,439	9,007	-432	-4.6%
27.2%	9,426	8,984	-442	-4.7%
28.4%	9,337	8,979	-358	-3.8%
29.6%	9,323	8,943	-380	-4.1%
30.9%	9,295	8,937	-358	-3.8%
32.1%	9,061	8,768	-293	-3.2%
33.3%	9,012	8,688	-324	-3.6%
34.6%	8,983	8,535	-448	-5.0%
35.8%	8,948	8,503	-445	-5.0%
37.0%	8,836	8,494	-341	-3.9%
38.3%	8,835	8,382	-453	-5.1%
39.5%	8,694	8,358	-336	-3.9%
40.7%	8,689	8,287	-402	-4.6%
42.0%	8,670	8,283	-387	-4.5%
43.2%	8,607	8,264	-343	-4.0%
44.4%	8,572	8,237	-335	-3.9%
45.7%	8,521	8,226	-295	-3.5%
46.9%	8,497	8,175	-323	-3.8%
48.1%	8,481	8,153	-328	-3.9%
49.4%	8,464	8,086	-379	-4.5%
50.6%	8,453	8,064	-389	-4.6%
51.9%	8,445	7,986	-458	-5.4%
53.1%	8,419	7,980	-438	-5.2%
54.3%	8,379	7,961	-418	-5.0%
55.6%	8,369	7,933	-436	-5.2%
56.8%	8,307	7,925	-382	-4.6%
58.0%	8,256	7,910	-346	-4.2%
59.3%	8,180	7,794	-386	-4.7%
60.5%	8,139	7,741	-399	-4.9%
61.7%	8,138	7,645	-493	-6.1%
63.0%	8,134	7,644	-490	-6.0%
64.2%	8,106	7,560	-546	-6.7%
65.4%	8,059	7,534	-525	-6.5%
66.7%	8,031	7,516	-516	-6.4%
67.9%	8,028	7,464	-564	-7.0%
69.1%	7,967	7,435	-532	-6.7%
70.4%	7,903	7,413	-490	-6.2%
71.6%	7,888	7,368	-520	-6.6%
72.8%	7,816	7,308	-508	-6.5%
74.1%	7,772	7,294	-478	-6.1%
75.3%	7,663	7,281	-382	-5.0%
76.5%	7,648	7,219	-428	-5.6%
77.8%	7,640	7,101	-539	-7.1%
79.0%	7,607	7,078	-529	-7.0%
80.2%	7,605	7,050	-555	-7.3%
81.5%	7,598	6,899	-698	-9.2%
82.7%	7,520	6,892	-628	-8.4%
84.0%	7,439	6,877	-562	-7.6%
85.2%	7,339	6,764	-575	-7.8%
86.4%	7,188	6,733	-455	-6.3%
87.7%	7,094	6,653	-442	-6.2%
88.9%	7,047	6,651	-396	-5.6%
90.1%	6,972	6,551	-421	-6.0%
91.4%	6,884	6,478	-406	-5.9%
92.6%	6,878	6,353	-525	-7.6%
93.8%	6,856	6,234	-621	-9.1%
95.1%	6,828	6,170	-658	-9.6%
96.3%	6,564	5,768	-795	-12.1%
97.5%	6,347	5,653	-694	-10.9%
98.8%	6,338	5,502	-836	-13.2%
100.0%	4,313	4,695	382	8.9%

Table SW-12-b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,880	15,045	165	1.1%
1.2%	14,755	14,975	220	1.5%
2.5%	14,171	14,304	133	0.9%
3.7%	14,147	14,136	-12	-0.1%
4.9%	14,117	13,837	-279	-2.0%
6.2%	13,928	13,810	-118	-0.8%
7.4%	13,880	13,741	-140	-1.0%
8.6%	13,877	13,395	-482	-3.5%
9.9%	13,864	13,082	-782	-5.6%
11.1%	13,485	12,696	-789	-5.9%
12.3%	13,427	12,668	-760	-5.7%
13.6%	13,418	12,509	-909	-6.8%
14.8%	13,413	12,204	-1,209	-9.0%
16.0%	13,155	12,136	-1,020	-7.8%
17.3%	13,151	12,068	-1,082	-8.2%
18.5%	12,973	12,061	-912	-7.0%
19.8%	12,930	11,982	-948	-7.3%
21.0%	12,892	11,912	-980	-7.6%
22.2%	12,774	11,850	-924	-7.2%
23.5%	12,517	11,840	-678	-5.4%
24.7%	12,471	11,822	-650	-5.2%
25.9%	12,416	11,773	-643	-5.2%
27.2%	12,401	11,772	-629	-5.1%
28.4%	12,367	11,719	-649	-5.2%
29.6%	12,328	11,515	-812	-6.6%
30.9%	12,236	11,381	-855	-7.0%
32.1%	12,234	11,350	-884	-7.2%
33.3%	12,147	11,343	-804	-6.6%
34.6%	12,130	11,327	-803	-6.6%
35.8%	12,126	11,257	-868	-7.2%
37.0%	12,122	11,141	-981	-8.1%
38.3%	12,096	11,114	-982	-8.1%
39.5%	11,918	11,003	-915	-7.7%
40.7%	11,795	10,981	-814	-6.9%
42.0%	11,751	10,961	-790	-6.7%
43.2%	11,737	10,937	-800	-6.8%
44.4%	11,644	10,936	-707	-6.1%
45.7%	11,414	10,916	-498	-4.4%
46.9%	11,367	10,868	-499	-4.4%
48.1%	11,302	10,831	-471	-4.2%
49.4%	11,295	10,827	-468	-4.1%
50.6%	11,287	10,811	-476	-4.2%
51.9%	11,250	10,794	-457	-4.1%
53.1%	11,246	10,777	-469	-4.2%
54.3%	11,132	10,711	-422	-3.8%
55.6%	11,076	10,672	-404	-3.6%
56.8%	11,051	10,656	-395	-3.6%
58.0%	10,941	10,656	-285	-2.6%
59.3%	10,861	10,578	-283	-2.6%
60.5%	10,846	10,572	-274	-2.5%
61.7%	10,843	10,534	-310	-2.9%
63.0%	10,756	10,524	-232	-2.2%
64.2%	10,704	10,514	-190	-1.8%
65.4%	10,692	10,505	-187	-1.8%
66.7%	10,632	10,478	-154	-1.5%
67.9%	10,625	10,412	-213	-2.0%
69.1%	10,612	10,377	-234	-2.2%
70.4%	10,583	10,374	-209	-2.0%
71.6%	10,555	10,363	-192	-1.8%
72.8%	10,511	10,301	-210	-2.0%
74.1%	10,493	10,276	-217	-2.1%
75.3%	10,373	10,260	-113	-1.1%
76.5%	10,285	10,246	-40	-0.4%
77.8%	10,207	10,125	-81	-0.8%
79.0%	10,172	10,088	-84	-0.8%
80.2%	10,087	10,025	-62	-0.6%
81.5%	10,053	9,982	-71	-0.7%
82.7%	10,024	9,982	-43	-0.4%
84.0%	10,003	9,897	-106	-1.1%
85.2%	9,932	9,837	-95	-1.0%
86.4%	9,927	9,800	-127	-1.3%
87.7%	9,865	9,537	-329	-3.3%
88.9%	9,821	9,340	-481	-4.9%
90.1%	9,678	9,170	-508	-5.3%
91.4%	9,636	9,084	-553	-5.7%
92.6%	9,516	8,976	-540	-5.7%
93.8%	9,509	8,748	-761	-8.0%
95.1%	9,416	8,483	-933	-9.9%
96.3%	9,382	8,426	-956	-10.2%
97.5%	9,161	8,337	-824	-9.0%
98.8%	8,733	8,127	-606	-6.9%
100.0%	7,767	7,823	56	0.7%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,352	18,739	3,387	22.1%
1.2%	15,162	18,271	3,110	20.5%
2.5%	15,111	15,577	467	3.1%
3.7%	15,097	15,185	88	0.6%
4.9%	14,953	15,137	184	1.2%
6.2%	14,921	15,097	176	1.2%
7.4%	14,847	15,026	179	1.2%
8.6%	14,815	15,004	188	1.3%
9.9%	14,768	14,983	215	1.5%
11.1%	14,744	14,894	150	1.0%
12.3%	14,708	14,891	184	1.2%
13.6%	14,688	14,837	149	1.0%
14.8%	14,667	14,827	160	1.1%
16.0%	14,667	14,793	126	0.9%
17.3%	14,623	14,784	160	1.1%
18.5%	14,617	14,765	148	1.0%
19.8%	14,597	14,759	162	1.1%
21.0%	14,596	14,717	121	0.8%
22.2%	14,578	14,716	138	0.9%
23.5%	14,548	14,708	160	1.1%
24.7%	14,520	14,696	176	1.2%
25.9%	14,455	14,672	217	1.5%
27.2%	14,440	14,613	173	1.2%
28.4%	14,434	14,605	171	1.2%
29.6%	14,427	14,580	152	1.1%
30.9%	14,426	14,576	150	1.0%
32.1%	14,419	14,553	134	0.9%
33.3%	14,415	14,526	110	0.8%
34.6%	14,338	14,509	171	1.2%
35.8%	14,328	14,497	169	1.2%
37.0%	14,324	14,477	153	1.1%
38.3%	14,316	14,462	146	1.0%
39.5%	14,314	14,447	133	0.9%
40.7%	14,305	14,398	93	0.7%
42.0%	14,303	14,380	77	0.5%
43.2%	14,285	14,343	58	0.4%
44.4%	14,282	14,321	39	0.3%
45.7%	14,251	14,315	65	0.5%
46.9%	14,250	14,062	-188	-1.3%
48.1%	14,227	13,972	-255	-1.8%
49.4%	14,181	13,937	-244	-1.7%
50.6%	14,181	13,823	-358	-2.5%
51.9%	14,142	13,752	-390	-2.8%
53.1%	14,117	13,654	-463	-3.3%
54.3%	14,036	13,638	-397	-2.8%
55.6%	13,961	13,609	-352	-2.5%
56.8%	13,957	13,446	-511	-3.7%
58.0%	13,883	13,348	-535	-3.9%
59.3%	13,849	13,164	-685	-4.9%
60.5%	13,793	13,144	-649	-4.7%
61.7%	13,747	13,078	-669	-4.9%
63.0%	13,694	13,043	-651	-4.8%
64.2%	13,669	13,037	-632	-4.6%
65.4%	13,529	12,899	-630	-4.7%
66.7%	13,341	12,880	-461	-3.5%
67.9%	13,337	12,668	-669	-5.0%
69.1%	13,334	12,549	-785	-5.9%
70.4%	13,247	12,540	-707	-5.3%
71.6%	13,212	12,531	-681	-5.2%
72.8%	13,175	12,377	-798	-6.1%
74.1%	13,168	12,305	-863	-6.6%
75.3%	12,890	12,291	-599	-4.6%
76.5%	12,848	12,290	-558	-4.3%
77.8%	12,832	12,289	-543	-4.2%
79.0%	12,802	12,275	-527	-4.1%
80.2%	12,681	12,259	-422	-3.3%
81.5%	12,627	12,249	-378	-3.0%
82.7%	12,346	12,233	-113	-0.9%
84.0%	12,138	12,186	48	0.4%
85.2%	11,949	12,105	156	1.3%
86.4%	11,846	12,038	192	1.6%
87.7%	11,705	12,025	320	2.7%
88.9%	11,608	11,972	364	3.1%
90.1%	11,605	11,898	293	2.5%
91.4%	11,492	11,861	369	3.2%
92.6%	11,397	11,743	347	3.0%
93.8%	11,066	11,670	604	5.5%
95.1%	10,996	11,596	601	5.5%
96.3%	10,760	11,568	808	7.5%
97.5%	10,615	11,169	554	5.2%
98.8%	10,498	11,119	621	5.9%
100.0%	9,801	9,752	-48	-0.5%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,107	13,055	-52	-0.4%
1.2%	12,739	12,703	-36	-0.3%
2.5%	12,457	11,646	-811	-6.5%
3.7%	12,426	11,559	-867	-7.0%
4.9%	12,288	11,349	-939	-7.6%
6.2%	12,201	11,206	-994	-8.1%
7.4%	11,934	10,943	-991	-8.3%
8.6%	11,663	10,921	-743	-6.4%
9.9%	11,660	10,911	-748	-6.4%
11.1%	11,609	10,906	-704	-6.1%
12.3%	11,328	10,898	-430	-3.8%
13.6%	11,157	10,831	-326	-2.9%
14.8%	11,150	10,604	-547	-4.9%
16.0%	11,063	10,485	-578	-5.2%
17.3%	11,018	10,424	-594	-5.4%
18.5%	10,731	10,376	-355	-3.3%
19.8%	10,626	10,375	-252	-2.4%
21.0%	10,623	10,321	-302	-2.8%
22.2%	10,520	10,282	-238	-2.3%
23.5%	10,500	10,272	-227	-2.2%
24.7%	10,471	10,252	-220	-2.1%
25.9%	10,450	10,195	-256	-2.4%
27.2%	10,372	10,146	-226	-2.2%
28.4%	10,371	10,123	-248	-2.4%
29.6%	10,327	10,079	-249	-2.4%
30.9%	10,313	10,069	-243	-2.4%
32.1%	10,279	10,035	-244	-2.4%
33.3%	10,229	10,032	-197	-1.9%
34.6%	10,153	10,022	-131	-1.3%
35.8%	10,029	10,018	-12	-0.1%
37.0%	9,996	10,000	4	0.0%
38.3%	9,983	9,997	14	0.1%
39.5%	9,949	9,962	13	0.1%
40.7%	9,802	9,900	97	1.0%
42.0%	9,768	9,858	91	0.9%
43.2%	9,749	9,851	102	1.0%
44.4%	9,667	9,850	183	1.9%
45.7%	9,654	9,843	189	2.0%
46.9%	9,579	9,801	222	2.3%
48.1%	9,510	9,800	290	3.1%
49.4%	9,502	9,797	295	3.1%
50.6%	9,478	9,787	308	3.3%
51.9%	9,461	9,759	298	3.1%
53.1%	9,422	9,733	311	3.3%
54.3%	9,370	9,733	363	3.9%
55.6%	9,364	9,730	366	3.9%
56.8%	9,357	9,725	368	3.9%
58.0%	9,326	9,691	364	3.9%
59.3%	9,323	9,669	346	3.7%
60.5%	9,296	9,668	372	4.0%
61.7%	9,260	9,665	404	4.4%
63.0%	9,242	9,663	421	4.6%
64.2%	9,204	9,663	459	5.0%
65.4%	9,140	9,655	515	5.6%
66.7%	9,106	9,635	529	5.8%
67.9%	9,075	9,609	534	5.9%
69.1%	9,023	9,608	585	6.5%
70.4%	8,963	9,583	620	6.9%
71.6%	8,952	9,572	620	6.9%
72.8%	8,951	9,549	598	6.7%
74.1%	8,845	9,528	683	7.7%
75.3%	8,836	9,509	673	7.6%
76.5%	8,736	9,502	766	8.8%
77.8%	8,726	9,453	727	8.3%
79.0%	8,718	9,450	732	8.4%
80.2%	8,674	9,440	766	8.8%
81.5%	8,651	9,412	761	8.8%
82.7%	8,591	9,383	792	9.2%
84.0%	8,421	9,376	955	11.3%
85.2%	8,356	9,368	1,012	12.1%
86.4%	8,347	9,337	990	11.9%
87.7%	8,236	9,252	1,016	12.3%
88.9%	8,186	9,240	1,053	12.9%
90.1%	8,168	9,239	1,071	13.1%
91.4%	8,149	9,152	1,003	12.3%
92.6%	8,146	9,152	1,006	12.3%
93.8%	8,006	9,116	1,111	13.9%
95.1%	7,984	9,026	1,043	13.1%
96.3%	7,904	8,885	981	12.4%
97.5%	7,859	8,736	877	11.2%
98.8%	6,769	8,679	1,910	28.2%
100.0%	6,261	8,549	2,288	36.5%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,515	16,355	-160	-1.0%
1.2%	15,850	15,666	-184	-1.2%
2.5%	15,685	15,549	-137	-0.9%
3.7%	15,572	15,277	-295	-1.9%
4.9%	15,437	15,203	-233	-1.5%
6.2%	15,382	15,166	-216	-1.4%
7.4%	15,338	15,091	-247	-1.6%
8.6%	15,327	15,065	-263	-1.7%
9.9%	15,225	15,047	-178	-1.2%
11.1%	15,194	14,920	-273	-1.8%
12.3%	14,867	14,866	-1	0.0%
13.6%	14,694	14,739	45	0.3%
14.8%	14,244	14,349	105	0.7%
16.0%	13,028	14,314	1,287	9.9%
17.3%	12,734	13,111	377	3.0%
18.5%	11,930	12,833	903	7.6%
19.8%	11,792	12,583	791	6.7%
21.0%	11,776	11,957	181	1.5%
22.2%	11,750	11,543	-207	-1.8%
23.5%	11,721	11,375	-346	-3.0%
24.7%	11,501	11,289	-212	-1.8%
25.9%	11,486	10,837	-649	-5.7%
27.2%	11,382	10,622	-760	-6.7%
28.4%	10,772	10,548	-225	-2.1%
29.6%	10,732	10,514	-218	-2.0%
30.9%	10,682	9,897	-785	-7.3%
32.1%	10,552	9,767	-785	-7.4%
33.3%	9,891	9,749	-141	-1.4%
34.6%	9,567	9,239	-328	-3.4%
35.8%	9,356	9,228	-128	-1.4%
37.0%	8,748	8,894	146	1.7%
38.3%	8,654	8,822	168	1.9%
39.5%	8,568	8,500	-67	-0.8%
40.7%	8,392	8,493	100	1.2%
42.0%	8,381	8,449	68	0.8%
43.2%	7,929	7,991	61	0.8%
44.4%	7,571	7,779	208	2.8%
45.7%	7,507	7,460	-47	-0.6%
46.9%	7,463	7,432	-31	-0.4%
48.1%	7,366	7,325	-41	-0.6%
49.4%	7,352	7,084	-269	-3.7%
50.6%	7,349	7,055	-294	-4.0%
51.9%	7,343	6,883	-459	-6.3%
53.1%	7,169	6,868	-301	-4.2%
54.3%	6,979	6,787	-192	-2.8%
55.6%	6,859	6,776	-82	-1.2%
56.8%	6,823	6,648	-175	-2.6%
58.0%	6,466	6,570	104	1.6%
59.3%	6,432	6,559	127	2.0%
60.5%	6,168	6,554	387	6.3%
61.7%	5,969	6,539	570	9.6%
63.0%	5,940	6,506	566	9.5%
64.2%	5,798	6,487	689	11.9%
65.4%	5,711	6,441	730	12.8%
66.7%	5,630	6,426	796	14.1%
67.9%	5,597	6,299	702	12.5%
69.1%	5,596	6,283	687	12.3%
70.4%	5,530	6,263	732	13.2%
71.6%	5,522	6,263	740	13.4%
72.8%	5,491	6,252	761	13.9%
74.1%	5,449	6,249	800	14.7%
75.3%	5,355	6,248	893	16.7%
76.5%	5,225	6,245	1,020	19.5%
77.8%	5,206	6,202	997	19.1%
79.0%	5,201	6,149	948	18.2%
80.2%	5,160	6,058	898	17.4%
81.5%	5,159	6,034	875	17.0%
82.7%	5,155	5,980	825	16.0%
84.0%	5,145	5,935	789	15.3%
85.2%	5,072	5,818	746	14.7%
86.4%	5,013	5,762	749	15.0%
87.7%	4,966	5,754	789	15.9%
88.9%	4,946	5,649	703	14.2%
90.1%	4,889	5,605	716	14.6%
91.4%	4,798	5,580	782	16.3%
92.6%	4,623	5,564	941	20.4%
93.8%	4,581	5,524	943	20.6%
95.1%	4,513	5,513	1,000	22.2%
96.3%	4,454	5,417	963	21.6%
97.5%	4,446	5,414	969	21.8%
98.8%	4,387	5,288	901	20.5%
100.0%	4,210	5,113	903	21.5%

Figure SW-13-b
Sacramento River below Hamilton City, Monthly Flow
Probability of Exceedance

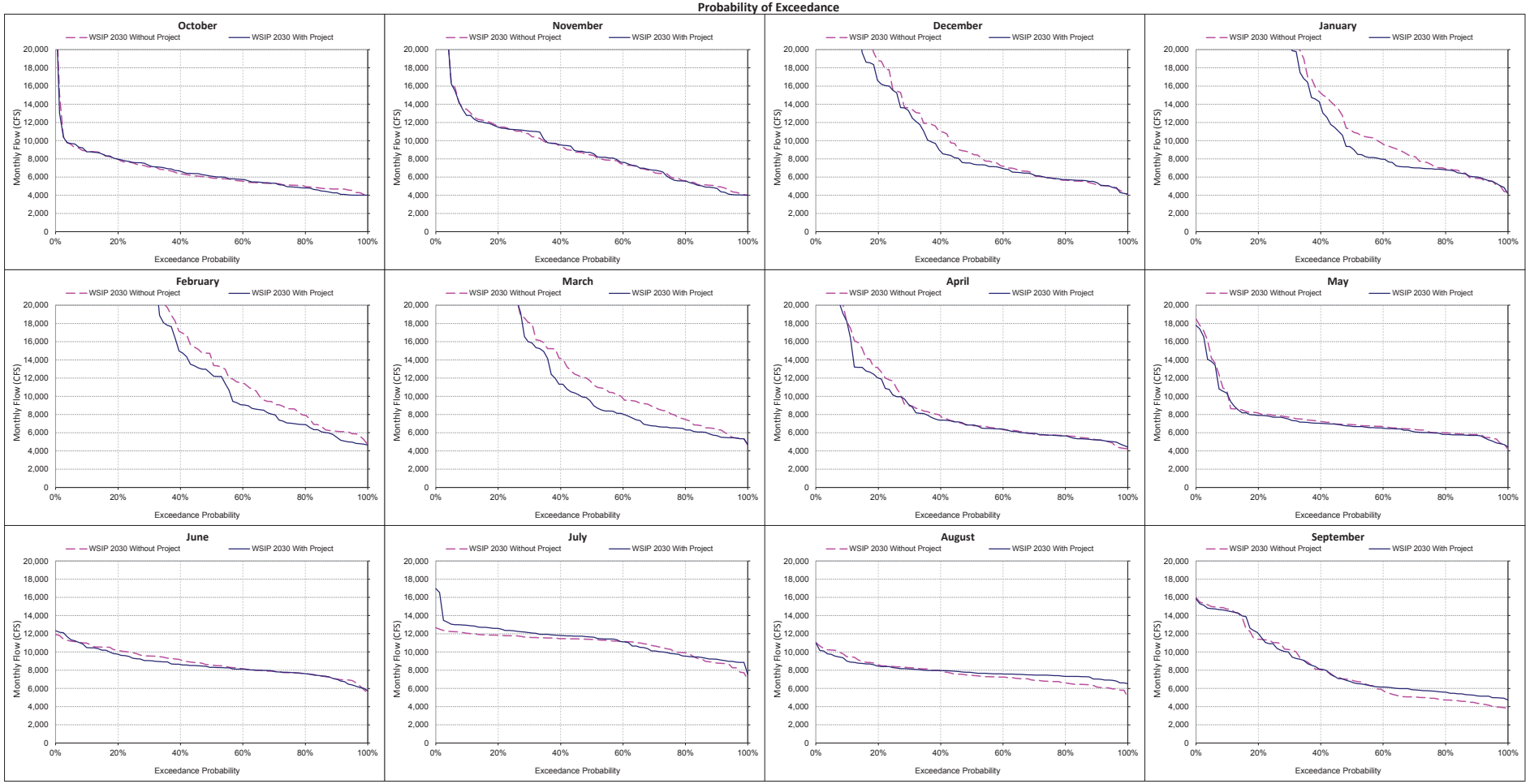


Table SW-13-b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,159	25,407	-752	-2.9%
1.2%	15,151	13,010	-2,141	-14.1%
2.5%	10,445	10,382	-63	-0.6%
3.7%	9,807	9,779	-28	-0.3%
4.9%	9,575	9,677	102	1.1%
6.2%	9,218	9,637	419	4.5%
7.4%	9,192	9,293	101	1.1%
8.6%	8,921	9,195	275	3.1%
9.9%	8,881	8,769	-112	-1.3%
11.1%	8,813	8,766	-47	-0.5%
12.3%	8,791	8,733	-59	-0.7%
13.6%	8,749	8,702	-47	-0.5%
14.8%	8,647	8,555	-92	-1.1%
16.0%	8,316	8,324	9	0.1%
17.3%	8,244	8,307	63	0.8%
18.5%	8,091	8,077	-13	-0.2%
19.8%	8,007	7,984	-23	-0.3%
21.0%	7,753	7,899	147	1.9%
22.2%	7,641	7,774	133	1.7%
23.5%	7,634	7,714	80	1.0%
24.7%	7,577	7,596	19	0.3%
25.9%	7,397	7,591	193	2.6%
27.2%	7,323	7,579	256	3.5%
28.4%	7,268	7,517	250	3.4%
29.6%	7,117	7,313	196	2.8%
30.9%	7,105	7,163	58	0.8%
32.1%	7,081	7,115	34	0.5%
33.3%	6,859	7,088	229	3.3%
34.6%	6,820	7,047	227	3.3%
35.8%	6,733	6,914	181	2.7%
37.0%	6,669	6,895	226	3.4%
38.3%	6,518	6,721	203	3.1%
39.5%	6,342	6,697	355	5.6%
40.7%	6,334	6,537	203	3.2%
42.0%	6,262	6,410	148	2.4%
43.2%	6,210	6,397	186	3.0%
44.4%	6,117	6,384	268	4.4%
45.7%	6,108	6,378	270	4.4%
46.9%	6,053	6,259	206	3.4%
48.1%	6,053	6,211	158	2.6%
49.4%	5,946	6,123	177	3.0%
50.6%	5,872	6,066	194	3.3%
51.9%	5,857	6,016	159	2.7%
53.1%	5,818	6,015	197	3.4%
54.3%	5,803	5,971	168	2.9%
55.6%	5,787	5,820	33	0.6%
56.8%	5,687	5,813	127	2.2%
58.0%	5,607	5,788	181	3.2%
59.3%	5,580	5,749	169	3.0%
60.5%	5,519	5,725	207	3.7%
61.7%	5,410	5,577	167	3.1%
63.0%	5,402	5,480	78	1.4%
64.2%	5,384	5,470	85	1.6%
65.4%	5,352	5,424	72	1.3%
66.7%	5,337	5,390	53	1.0%
67.9%	5,302	5,372	70	1.3%
69.1%	5,302	5,317	15	0.3%
70.4%	5,285	5,310	25	0.5%
71.6%	5,270	5,145	-125	-2.4%
72.8%	5,143	5,115	-28	-0.5%
74.1%	5,142	4,960	-182	-3.5%
75.3%	5,108	4,937	-171	-3.3%
76.5%	5,101	4,907	-194	-3.8%
77.8%	5,082	4,855	-227	-4.5%
79.0%	5,073	4,821	-252	-5.0%
80.2%	4,935	4,810	-125	-2.5%
81.5%	4,919	4,780	-139	-2.8%
82.7%	4,851	4,628	-223	-4.6%
84.0%	4,831	4,584	-247	-5.1%
85.2%	4,759	4,461	-298	-6.3%
86.4%	4,725	4,449	-277	-5.9%
87.7%	4,721	4,338	-382	-8.1%
88.9%	4,689	4,268	-421	-9.0%
90.1%	4,683	4,258	-425	-9.1%
91.4%	4,681	4,097	-584	-12.5%
92.6%	4,680	4,083	-596	-12.7%
93.8%	4,565	4,039	-526	-11.5%
95.1%	4,538	4,024	-514	-11.3%
96.3%	4,294	4,016	-278	-6.5%
97.5%	4,286	4,013	-273	-6.4%
98.8%	4,078	4,012	-66	-1.6%
100.0%	3,988	4,004	16	0.4%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,160	33,491	-1,669	-4.7%
1.2%	30,990	31,782	792	2.6%
2.5%	23,318	22,067	-1,251	-5.4%
3.7%	22,072	21,779	-293	-1.3%
4.9%	16,263	16,262	0	0.0%
6.2%	15,815	15,438	-377	-2.4%
7.4%	14,181	14,229	48	0.3%
8.6%	13,583	13,427	-156	-1.1%
9.9%	13,452	12,784	-668	-5.0%
11.1%	13,054	12,784	-270	-2.1%
12.3%	12,549	12,340	-209	-1.7%
13.6%	12,328	12,102	-226	-1.8%
14.8%	12,267	12,060	-207	-1.7%
16.0%	12,152	11,946	-206	-1.7%
17.3%	12,035	11,875	-160	-1.3%
18.5%	11,832	11,684	-148	-1.3%
19.8%	11,593	11,524	-69	-0.6%
21.0%	11,501	11,382	-119	-1.0%
22.2%	11,471	11,334	-137	-1.2%
23.5%	11,294	11,252	-42	-0.4%
24.7%	11,175	11,229	54	0.5%
25.9%	11,046	11,201	155	1.4%
27.2%	11,044	11,164	120	1.1%
28.4%	10,794	11,122	328	3.0%
29.6%	10,785	11,069	284	2.6%
30.9%	10,425	11,034	609	5.8%
32.1%	10,408	11,014	606	5.8%
33.3%	10,248	10,955	707	6.9%
34.6%	9,945	10,167	222	2.2%
35.8%	9,725	9,779	54	0.6%
37.0%	9,712	9,711	-1	0.0%
38.3%	9,704	9,696	-8	-0.1%
39.5%	9,456	9,570	114	1.2%
40.7%	9,298	9,480	181	2.0%
42.0%	9,012	9,452	440	4.9%
43.2%	8,962	9,405	443	4.9%
44.4%	8,740	8,921	181	2.1%
45.7%	8,729	8,834	105	1.2%
46.9%	8,693	8,821	129	1.5%
48.1%	8,497	8,732	235	2.8%
49.4%	8,439	8,719	281	3.3%
50.6%	8,379	8,561	181	2.2%
51.9%	8,086	8,203	117	1.4%
53.1%	7,981	8,180	199	2.5%
54.3%	7,878	8,172	294	3.7%
55.6%	7,855	8,097	242	3.1%
56.8%	7,821	8,094	273	3.5%
58.0%	7,797	7,911	114	1.5%
59.3%	7,477	7,640	163	2.2%
60.5%	7,415	7,614	198	2.7%
61.7%	7,285	7,438	152	2.1%
63.0%	7,275	7,302	27	0.4%
64.2%	7,174	7,231	57	0.8%
65.4%	6,956	6,978	22	0.3%
66.7%	6,887	6,974	87	1.3%
67.9%	6,782	6,869	87	1.3%
69.1%	6,671	6,774	103	1.5%
70.4%	6,449	6,757	309	4.8%
71.6%	6,398	6,670	271	4.2%
72.8%	6,386	6,556	170	2.7%
74.1%	6,361	6,103	-258	-4.1%
75.3%	6,000	5,836	-164	-2.7%
76.5%	5,844	5,625	-219	-3.7%
77.8%	5,839	5,590	-249	-4.3%
79.0%	5,629	5,585	-44	-0.8%
80.2%	5,541	5,544	2	0.0%
81.5%	5,449	5,388	-60	-1.1%
82.7%	5,418	5,274	-144	-2.7%
84.0%	5,160	5,098	-62	-1.2%
85.2%	5,154	5,045	-109	-2.1%
86.4%	5,146	4,905	-242	-4.7%
87.7%	5,102	4,885	-217	-4.2%
88.9%	5,074	4,846	-228	-4.5%
90.1%	4,955	4,744	-211	-4.3%
91.4%	4,921	4,370	-551	-11.2%
92.6%	4,797	4,312	-485	-10.1%
93.8%	4,607	4,131	-476	-10.3%
95.1%	4,374	4,080	-295	-6.7%
96.3%	4,316	4,032	-284	-6.6%
97.5%	4,197	4,031	-166	-3.9%
98.8%	4,071	4,019	-53	-1.3%
100.0%	4,000	4,013	13	0.3%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	51,598	51,597	-1	0.0%
1.2%	48,170	46,681	-1,489	-3.1%
2.5%	45,939	45,984	44	0.1%
3.7%	45,087	41,543	-3,544	-7.9%
4.9%	41,585	39,982	-1,603	-3.9%
6.2%	38,789	38,022	-766	-2.0%
7.4%	36,027	34,589	-1,438	-4.0%
8.6%	35,905	32,468	-3,437	-9.6%
9.9%	31,089	31,273	184	0.6%
11.1%	28,479	28,481	2	0.0%
12.3%	26,495	22,983	-3,512	-13.3%
13.6%	25,429	22,939	-2,491	-9.8%
14.8%	21,826	19,679	-2,147	-9.8%
16.0%	21,513	18,633	-2,880	-13.4%
17.3%	21,179	18,561	-2,617	-12.4%
18.5%	19,680	18,358	-1,322	-6.7%
19.8%	18,827	16,635	-2,192	-11.6%
21.0%	18,723	16,195	-2,528	-13.5%
22.2%	17,840	16,063	-1,776	-10.0%
23.5%	17,801	15,993	-1,807	-10.2%
24.7%	15,554	15,549	-5	0.0%
25.9%	15,457	15,245	-212	-1.4%
27.2%	15,296	13,634	-1,662	-10.9%
28.4%	13,642	13,592	-50	-0.4%
29.6%	13,604	13,324	-280	-2.1%
30.9%	13,427	12,473	-954	-7.1%
32.1%	13,090	12,125	-965	-7.4%
33.3%	13,015	11,787	-1,229	-9.4%
34.6%	11,906	11,032	-875	-7.3%
35.8%	11,904	10,048	-1,856	-15.6%
37.0%	11,786	9,865	-1,921	-16.3%
38.3%	11,619	9,700	-1,919	-16.5%
39.5%	11,014	9,013	-2,001	-18.2%
40.7%	10,948	8,556	-2,391	-21.8%
42.0%	10,742	8,462	-2,280	-21.2%
43.2%	9,768	8,373	-1,394	-14.3%
44.4%	9,701	8,132	-1,569	-16.2%
45.7%	9,011	8,057	-954	-10.6%
46.9%	8,891	7,615	-1,276	-14.4%
48.1%	8,831	7,552	-1,279	-14.5%
49.4%	8,687	7,545	-1,143	-13.2%
50.6%	8,465	7,397	-1,068	-12.6%
51.9%	8,423	7,343	-1,080	-12.8%
53.1%	8,068	7,338	-729	-9.0%
54.3%	7,752	7,317	-434	-5.6%
55.6%	7,751	7,158	-593	-7.6%
56.8%	7,594	7,153	-441	-5.8%
58.0%	7,550	7,122	-428	-5.7%
59.3%	7,227	7,016	-210	-2.9%
60.5%	7,164	6,904	-259	-3.6%
61.7%	6,995	6,832	-163	-2.3%
63.0%	6,977	6,547	-431	-6.2%
64.2%	6,852	6,514	-338	-4.9%
65.4%	6,687	6,501	-186	-2.8%
66.7%	6,662	6,447	-215	-3.2%
67.9%	6,633	6,445	-188	-2.8%
69.1%	6,498	6,340	-158	-2.4%
70.4%	6,092	6,155	63	1.0%
71.6%	6,092	6,108	16	0.3%
72.8%	5,980	6,050	70	1.2%
74.1%	5,934	5,912	-22	-0.4%
75.3%	5,901	5,904	3	0.1%
76.5%	5,829	5,828	-1	0.0%
77.8%	5,748	5,807	59	1.0%
79.0%	5,667	5,726	58	1.0%
80.2%	5,641	5,716	75	1.3%
81.5%	5,627	5,691	64	1.1%
82.7%	5,564	5,670	106	1.9%
84.0%	5,560	5,643	83	1.5%
85.2%	5,546	5,631	85	1.5%
86.4%	5,544	5,608	63	1.1%
87.7%	5,386	5,529	143	2.7%
88.9%	5,280	5,523	243	4.6%
90.1%	5,148	5,383	234	4.6%
91.4%	5,070	5,088	18	0.4%
92.6%	5,044	5,078	34	0.7%
93.8%	5,027	5,030	2	0.0%
95.1%	4,862	4,877	16	0.3%
96.3%	4,751	4,848	97	2.0%
97.5%	4,529	4,289	-239	-5.3%
98.8%	4,286	4,218	-68	-1.6%
100.0%	4,077	4,111	34	0.8%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	90,217	90,213	-5	0.0%
1.2%	64,369	64,385	16	0.0%
2.5%	63,695	64,202	507	0.8%
3.7%	62,353	59,935	-2,418	-3.9%
4.9%	61,585	59,728	-1,857	-3.0%
6.2%	51,634	50,498	-1,136	-2.2%
7.4%	50,230	50,097	-134	-0.3%
8.6%	48,585	46,152	-2,433	-5.0%
9.9%	40,624	38,745	-1,879	-4.6%
11.1%	38,744	38,188	-556	-1.4%
12.3%	35,605	35,876	271	0.8%
13.6%	35,384	35,605	221	0.6%
14.8%	35,173	33,785	-1,388	-3.9%
16.0%	33,682	28,365	-5,317	-15.8%
17.3%	29,945	27,525	-2,421	-8.1%
18.5%	29,839	27,406	-2,433	-8.2%
19.8%	27,547	26,028	-1,520	-5.5%
21.0%	25,594	24,403	-1,191	-4.7%
22.2%	25,564	23,263	-2,300	-9.0%
23.5%	24,181	22,294	-1,886	-7.8%
24.7%	24,158	21,932	-2,226	-9.2%
25.9%	24,018	21,719	-2,299	-9.6%
27.2%	23,480	21,195	-2,285	-9.7%
28.4%	23,449	21,122	-2,326	-9.9%
29.6%	22,220	20,638	-1,582	-7.1%
30.9%	21,195	19,889	-1,305	-6.2%
32.1%	20,601	19,788	-813	-3.9%
33.3%	19,910	17,469	-2,440	-12.3%
34.6%	19,005	16,818	-2,187	-11.5%
35.8%	17,006	16,433	-573	-3.4%
37.0%	16,824	14,750	-2,074	-12.3%
38.3%	15,879	14,567	-1,312	-8.3%
39.5%	15,398	14,288	-1,110	-7.2%
40.7%	14,997	13,019	-1,978	-13.2%
42.0%	14,752	12,564	-2,188	-14.8%
43.2%	14,287	11,777	-2,510	-17.6%
44.4%	13,891	11,462	-2,429	-17.5%
45.7%	13,461	11,029	-2,432	-18.1%
46.9%	12,794	10,607	-2,186	-17.1%
48.1%	11,388	9,369	-2,018	-17.7%
49.4%	11,244	9,349	-1,895	-16.9%
50.6%	10,913	9,009	-1,904	-17.4%
51.9%	10,803	8,484	-2,319	-21.5%
53.1%	10,529	8,464	-2,065	-19.6%
54.3%	10,433	8,239	-2,195	-21.0%
55.6%	10,355	8,155	-2,200	-21.2%
56.8%	10,320	8,139	-2,181	-21.1%
58.0%	10,036	8,104	-1,932	-19.3%
59.3%	9,789	7,974	-1,815	-18.5%
60.5%	9,501	7,943	-1,558	-16.4%
61.7%	9,410	7,653	-1,757	-18.7%
63.0%	9,246	7,604	-1,642	-17.8%
64.2%	9,104	7,241	-1,863	-20.5%
65.4%	8,906	7,142	-1,764	-19.8%
66.7%	8,719	7,128	-1,591	-18.2%
67.9%	8,461	7,122	-1,338	-15.8%
69.1%	8,284	7,032	-1,252	-15.1%
70.4%	8,224	7,020	-1,203	-14.6%
71.6%	7,760	7,004	-756	-9.7%
72.8%	7,650	6,958	-692	-9.0%
74.1%	7,605	6,917	-689	-9.1%
75.3%	7,396	6,908	-489	-6.6%
76.5%	7,127	6,874	-253	-3.6%
77.8%	7,023	6,852	-171	-2.4%
79.0%	7,007	6,848	-159	-2.3%
80.2%	6,879	6,782	-97	-1.4%
81.5%	6,867	6,748	-119	-1.7%
82.7%	6,776	6,678	-98	-1.4%
84.0%	6,746	6,468	-278	-4.1%
85.2%	6,461	6,416	-45	-0.7%
86.4%	6,424	6,343	-81	-1.3%
87.7%	5,942	6,085	143	2.4%
88.9%	5,914	6,030	117	2.0%
90.1%	5,854	6,012	159	2.7%
91.4%	5,837	5,918	81	1.4%
92.6%	5,604	5,741	138	2.5%
93.8%	5,551	5,602	51	0.9%
95.1%	5,539	5,520	-19	-0.3%
96.3%	5,126	5,303	177	3.5%
97.5%	5,038	5,040	3	0.1%
98.8%	4,418	4,867	449	10.2%
100.0%	4,311	4,173	-138	-3.2%

Table SW-13-b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	98,053	95,487	-2,566	-2.6%
1.2%	94,425	92,623	-1,802	-1.9%
2.5%	70,308	69,461	-846	-1.2%
3.7%	65,329	62,921	-2,408	-3.7%
4.9%	64,363	62,768	-1,595	-2.5%
6.2%	62,920	61,798	-1,122	-1.8%
7.4%	56,282	56,215	-67	-0.1%
8.6%	51,732	49,204	-2,529	-4.9%
9.9%	50,026	48,295	-1,731	-3.5%
11.1%	48,606	47,320	-1,286	-2.6%
12.3%	46,409	46,035	-373	-0.8%
13.6%	45,894	45,681	-213	-0.5%
14.8%	45,680	44,121	-1,559	-3.4%
16.0%	45,491	42,938	-2,553	-5.6%
17.3%	42,279	42,280	1	0.0%
18.5%	39,202	39,203	1	0.0%
19.8%	37,192	34,610	-2,582	-6.9%
21.0%	36,105	34,410	-1,695	-4.7%
22.2%	35,235	34,189	-1,046	-3.0%
23.5%	34,426	32,686	-1,740	-5.1%
24.7%	31,774	31,848	74	0.2%
25.9%	31,712	29,196	-2,516	-7.9%
27.2%	28,850	26,756	-2,094	-7.3%
28.4%	26,971	24,390	-2,581	-9.6%
29.6%	25,222	24,154	-1,068	-4.2%
30.9%	23,594	24,145	551	2.3%
32.1%	22,619	22,773	154	0.7%
33.3%	20,374	18,897	-1,478	-7.3%
34.6%	20,221	18,096	-2,124	-10.5%
35.8%	19,743	17,814	-1,930	-9.8%
37.0%	18,935	17,656	-1,278	-6.8%
38.3%	18,273	16,371	-1,902	-10.4%
39.5%	17,148	14,977	-2,171	-12.7%
40.7%	16,928	14,753	-2,175	-12.9%
42.0%	16,763	14,358	-2,405	-14.3%
43.2%	15,682	13,527	-2,156	-13.7%
44.4%	15,420	13,352	-2,069	-13.4%
45.7%	15,166	13,127	-2,039	-13.4%
46.9%	14,777	12,979	-1,798	-12.2%
48.1%	14,749	12,968	-1,782	-12.1%
49.4%	14,723	12,601	-2,122	-14.4%
50.6%	13,377	12,211	-1,165	-8.7%
51.9%	13,351	12,185	-1,165	-8.7%
53.1%	13,219	12,171	-1,048	-7.9%
54.3%	12,975	11,390	-1,584	-12.2%
55.6%	11,999	10,711	-1,287	-10.7%
56.8%	11,891	9,449	-2,442	-20.5%
58.0%	11,578	9,314	-2,265	-19.6%
59.3%	11,496	9,072	-2,424	-21.1%
60.5%	11,392	9,058	-2,333	-20.5%
61.7%	11,044	8,972	-2,072	-18.8%
63.0%	10,744	8,681	-2,063	-19.2%
64.2%	10,600	8,594	-2,006	-18.9%
65.4%	9,964	8,537	-1,427	-14.3%
66.7%	9,585	8,481	-1,104	-11.5%
67.9%	9,448	8,181	-1,267	-13.4%
69.1%	9,428	8,033	-1,395	-14.8%
70.4%	9,080	7,973	-1,107	-12.2%
71.6%	9,072	7,402	-1,670	-18.4%
72.8%	8,908	7,280	-1,628	-18.3%
74.1%	8,638	7,063	-1,575	-18.2%
75.3%	8,629	7,049	-1,580	-18.3%
76.5%	8,610	7,003	-1,607	-18.7%
77.8%	8,276	6,922	-1,354	-16.4%
79.0%	7,971	6,906	-1,066	-13.4%
80.2%	7,894	6,879	-1,015	-12.9%
81.5%	7,478	6,557	-921	-12.3%
82.7%	6,923	6,334	-589	-8.5%
84.0%	6,896	6,323	-573	-8.3%
85.2%	6,690	6,101	-589	-8.8%
86.4%	6,321	6,018	-303	-4.8%
87.7%	6,251	5,971	-280	-4.5%
88.9%	6,222	5,800	-422	-6.8%
90.1%	6,144	5,480	-663	-10.8%
91.4%	6,130	5,153	-977	-15.9%
92.6%	6,119	5,084	-1,035	-16.9%
93.8%	6,079	5,002	-1,076	-17.7%
95.1%	5,891	4,961	-929	-15.8%
96.3%	5,880	4,815	-1,064	-18.1%
97.5%	5,636	4,785	-851	-15.1%
98.8%	5,243	4,742	-501	-9.5%
100.0%	4,693	4,639	-54	-1.2%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	90,364	90,333	-31	0.0%
1.2%	85,993	82,090	-3,902	-4.5%
2.5%	62,721	62,271	-449	-0.7%
3.7%	54,902	54,903	2	0.0%
4.9%	45,960	44,410	-1,550	-3.4%
6.2%	39,386	35,473	-3,913	-9.9%
7.4%	38,903	34,974	-3,929	-10.1%
8.6%	38,083	34,919	-3,164	-8.3%
9.9%	34,958	34,176	-782	-2.2%
11.1%	33,438	29,533	-3,904	-11.7%
12.3%	26,348	25,797	-551	-2.1%
13.6%	25,973	25,538	-435	-1.7%
14.8%	25,557	24,595	-962	-3.8%
16.0%	24,732	24,577	-156	-0.6%
17.3%	24,596	23,491	-1,105	-4.5%
18.5%	23,355	22,303	-1,052	-4.5%
19.8%	23,113	21,849	-1,265	-5.5%
21.0%	22,878	21,724	-1,154	-5.0%
22.2%	22,654	21,029	-1,625	-7.2%
23.5%	21,844	20,775	-1,070	-4.9%
24.7%	20,853	20,721	-132	-0.6%
25.9%	20,782	20,538	-244	-1.2%
27.2%	18,826	19,208	382	2.0%
28.4%	18,611	16,561	-2,050	-11.0%
29.6%	18,121	16,011	-2,110	-11.6%
30.9%	18,000	15,857	-2,143	-11.9%
32.1%	16,207	15,351	-857	-5.3%
33.3%	16,135	15,226	-909	-5.6%
34.6%	15,912	14,919	-993	-6.2%
35.8%	15,244	14,158	-1,086	-7.1%
37.0%	15,231	12,409	-2,822	-18.5%
38.3%	15,210	11,979	-3,231	-21.2%
39.5%	14,186	11,340	-2,846	-20.1%
40.7%	14,102	11,326	-2,776	-19.7%
42.0%	13,271	10,800	-2,472	-18.6%
43.2%	12,848	10,506	-2,343	-18.2%
44.4%	12,443	10,400	-2,043	-16.4%
45.7%	12,279	10,190	-2,090	-17.0%
46.9%	12,046	9,934	-2,112	-17.5%
48.1%	12,031	9,870	-2,161	-18.0%
49.4%	11,716	9,543	-2,173	-18.5%
50.6%	11,239	8,960	-2,279	-20.3%
51.9%	10,975	8,717	-2,258	-20.6%
53.1%	10,919	8,509	-2,410	-22.1%
54.3%	10,825	8,398	-2,427	-22.4%
55.6%	10,437	8,378	-2,059	-19.7%
56.8%	10,405	8,372	-2,033	-19.5%
58.0%	10,166	8,137	-2,029	-20.0%
59.3%	10,041	8,130	-1,911	-19.0%
60.5%	9,576	7,999	-1,576	-16.5%
61.7%	9,574	7,808	-1,766	-18.4%
63.0%	9,520	7,629	-1,891	-19.9%
64.2%	9,459	7,433	-2,025	-21.4%
65.4%	9,237	7,332	-1,905	-20.6%
66.7%	9,195	6,931	-2,264	-24.6%
67.9%	9,149	6,848	-2,301	-25.2%
69.1%	8,919	6,772	-2,147	-24.1%
70.4%	8,755	6,747	-2,008	-22.9%
71.6%	8,554	6,641	-1,913	-22.4%
72.8%	8,437	6,611	-1,826	-21.6%
74.1%	8,413	6,607	-1,806	-21.5%
75.3%	8,073	6,544	-1,529	-18.9%
76.5%	7,961	6,529	-1,431	-18.0%
77.8%	7,653	6,512	-1,141	-14.9%
79.0%	7,568	6,472	-1,096	-14.5%
80.2%	7,423	6,315	-1,108	-14.9%
81.5%	7,282	6,310	-972	-13.3%
82.7%	6,859	6,122	-738	-10.8%
84.0%	6,844	6,080	-764	-11.2%
85.2%	6,767	6,065	-702	-10.4%
86.4%	6,534	6,044	-490	-7.5%
87.7%	6,533	5,889	-643	-9.8%
88.9%	6,483	5,743	-740	-11.4%
90.1%	6,325	5,682	-643	-10.2%
91.4%	6,309	5,514	-795	-12.6%
92.6%	6,027	5,484	-543	-9.0%
93.8%	5,770	5,451	-319	-5.5%
95.1%	5,473	5,444	-29	-0.5%
96.3%	5,424	5,419	-5	-0.1%
97.5%	5,374	5,325	-49	-0.9%
98.8%	5,323	5,323	0	0.0%
100.0%	4,623	4,691	68	1.5%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	45,589	42,190	-3,399	-7.5%
1.2%	36,311	36,317	7	0.0%
2.5%	30,576	30,706	130	0.4%
3.7%	25,399	25,400	1	0.0%
4.9%	22,903	22,632	-271	-1.2%
6.2%	22,624	20,449	-2,175	-9.6%
7.4%	20,441	20,382	-59	-0.3%
8.6%	20,131	19,099	-1,032	-5.1%
9.9%	18,208	18,217	9	0.0%
11.1%	17,465	16,393	-1,072	-6.1%
12.3%	16,098	13,220	-2,878	-17.9%
13.6%	15,892	13,183	-2,709	-17.0%
14.8%	15,275	13,170	-2,105	-13.8%
16.0%	14,178	12,791	-1,387	-9.8%
17.3%	14,084	12,667	-1,417	-10.1%
18.5%	13,211	12,429	-782	-5.9%
19.8%	13,171	12,042	-1,129	-8.6%
21.0%	12,668	11,902	-766	-6.0%
22.2%	12,024	10,873	-1,151	-9.6%
23.5%	11,820	10,770	-1,049	-8.9%
24.7%	11,686	10,145	-1,541	-13.2%
25.9%	10,842	9,957	-886	-8.2%
27.2%	10,228	9,945	-283	-2.8%
28.4%	9,119	9,691	571	6.3%
29.6%	8,972	9,122	150	1.7%
30.9%	8,931	8,804	-127	-1.4%
32.1%	8,684	8,180	-504	-5.8%
33.3%	8,607	8,136	-470	-5.5%
34.6%	8,382	8,099	-283	-3.4%
35.8%	8,319	7,922	-397	-4.8%
37.0%	8,135	7,688	-447	-5.5%
38.3%	8,051	7,501	-551	-6.8%
39.5%	7,984	7,391	-593	-7.4%
40.7%	7,574	7,388	-186	-2.5%
42.0%	7,511	7,351	-160	-2.1%
43.2%	7,335	7,309	-25	-0.3%
44.4%	7,223	7,191	-32	-0.4%
45.7%	7,122	7,181	59	0.8%
46.9%	7,015	7,114	100	1.4%
48.1%	6,909	6,850	-59	-0.9%
49.4%	6,811	6,846	34	0.5%
50.6%	6,776	6,842	66	1.0%
51.9%	6,744	6,740	-4	-0.1%
53.1%	6,728	6,509	-218	-3.2%
54.3%	6,721	6,485	-236	-3.5%
55.6%	6,588	6,474	-114	-1.7%
56.8%	6,540	6,462	-78	-1.2%
58.0%	6,461	6,432	-29	-0.4%
59.3%	6,413	6,425	12	0.2%
60.5%	6,313	6,371	57	0.9%
61.7%	6,285	6,260	-25	-0.4%
63.0%	6,262	6,149	-113	-1.8%
64.2%	6,227	6,127	-100	-1.6%
65.4%	6,128	6,030	-97	-1.6%
66.7%	6,112	5,991	-121	-2.0%
67.9%	5,989	5,946	-43	-0.7%
69.1%	5,914	5,945	31	0.5%
70.4%	5,814	5,924	110	1.9%
71.6%	5,764	5,791	28	0.5%
72.8%	5,759	5,784	24	0.4%
74.1%	5,753	5,744	-9	-0.2%
75.3%	5,751	5,735	-16	-0.3%
76.5%	5,743	5,716	-27	-0.5%
77.8%	5,713	5,687	-26	-0.5%
79.0%	5,689	5,656	-32	-0.6%
80.2%	5,687	5,644	-43	-0.8%
81.5%	5,619	5,495	-124	-2.2%
82.7%	5,610	5,381	-229	-4.1%
84.0%	5,527	5,335	-193	-3.5%
85.2%	5,457	5,332	-125	-2.3%
86.4%	5,439	5,315	-124	-2.3%
87.7%	5,381	5,287	-94	-1.7%
88.9%	5,304	5,237	-67	-1.3%
90.1%	5,194	5,217	24	0.5%
91.4%	5,186	5,189	3	0.1%
92.6%	5,103	5,103	0	0.0%
93.8%	5,007	5,040	33	0.7%
95.1%	4,865	5,012	148	3.0%
96.3%	4,440	4,963	523	11.8%
97.5%	4,348	4,773	425	9.8%
98.8%	4,275	4,599	324	7.6%
100.0%	4,251	4,437	186	4.4%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,521	17,802	-718	-3.9%
1.2%	17,803	17,411	-392	-2.2%
2.5%	17,185	16,553	-632	-3.7%
3.7%	16,156	14,067	-2,089	-12.9%
4.9%	14,204	13,827	-377	-2.7%
6.2%	13,619	13,449	-170	-1.2%
7.4%	12,351	10,811	-1,540	-12.5%
8.6%	10,918	10,564	-354	-3.2%
9.9%	10,687	10,358	-329	-3.1%
11.1%	8,642	9,403	761	8.8%
12.3%	8,618	8,909	291	3.4%
13.6%	8,611	8,514	-98	-1.1%
14.8%	8,498	8,203	-295	-3.5%
16.0%	8,319	8,198	-120	-1.4%
17.3%	8,240	7,995	-245	-3.0%
18.5%	8,238	7,962	-277	-3.4%
19.8%	8,185	7,894	-291	-3.6%
21.0%	8,037	7,893	-144	-1.8%
22.2%	8,011	7,883	-128	-1.6%
23.5%	8,009	7,822	-188	-2.3%
24.7%	7,902	7,709	-193	-2.4%
25.9%	7,892	7,701	-191	-2.4%
27.2%	7,850	7,700	-150	-1.9%
28.4%	7,770	7,623	-147	-1.9%
29.6%	7,725	7,496	-229	-3.0%
30.9%	7,661	7,328	-333	-4.4%
32.1%	7,537	7,318	-220	-2.9%
33.3%	7,502	7,169	-333	-4.4%
34.6%	7,501	7,156	-345	-4.6%
35.8%	7,398	7,124	-275	-3.7%
37.0%	7,358	7,085	-273	-3.7%
38.3%	7,318	7,044	-273	-3.7%
39.5%	7,240	7,040	-200	-2.8%
40.7%	7,215	7,017	-198	-2.7%
42.0%	7,143	7,006	-137	-1.9%
43.2%	7,141	6,955	-186	-2.6%
44.4%	6,952	6,953	1	0.0%
45.7%	6,943	6,911	-32	-0.5%
46.9%	6,928	6,808	-121	-1.7%
48.1%	6,920	6,774	-147	-2.1%
49.4%	6,906	6,748	-157	-2.3%
50.6%	6,874	6,684	-190	-2.8%
51.9%	6,852	6,684	-168	-2.4%
53.1%	6,779	6,682	-96	-1.4%
54.3%	6,751	6,617	-135	-2.0%
55.6%	6,751	6,564	-187	-2.8%
56.8%	6,739	6,554	-184	-2.7%
58.0%	6,700	6,543	-157	-2.3%
59.3%	6,697	6,521	-176	-2.6%
60.5%	6,646	6,470	-176	-2.7%
61.7%	6,596	6,451	-145	-2.2%
63.0%	6,530	6,441	-89	-1.4%
64.2%	6,520	6,432	-88	-1.4%
65.4%	6,488	6,429	-59	-0.9%
66.7%	6,445	6,289	-157	-2.4%
67.9%	6,433	6,271	-162	-2.5%
69.1%	6,415	6,177	-237	-3.7%
70.4%	6,344	6,086	-258	-4.1%
71.6%	6,306	6,042	-264	-4.2%
72.8%	6,302	6,013	-290	-4.6%
74.1%	6,157	6,011	-147	-2.4%
75.3%	6,024	5,979	-45	-0.7%
76.5%	6,023	5,967	-57	-0.9%
77.8%	6,023	5,954	-69	-1.1%
79.0%	6,008	5,820	-188	-3.1%
80.2%	6,004	5,809	-195	-3.2%
81.5%	5,952	5,801	-150	-2.5%
82.7%	5,900	5,777	-123	-2.1%
84.0%	5,891	5,764	-128	-2.2%
85.2%	5,847	5,758	-89	-1.5%
86.4%	5,834	5,739	-95	-1.6%
87.7%	5,813	5,717	-96	-1.6%
88.9%	5,798	5,712	-86	-1.5%
90.1%	5,798	5,710	-88	-1.5%
91.4%	5,797	5,639	-158	-2.7%
92.6%	5,503	5,433	-70	-1.3%
93.8%	5,476	5,233	-243	-4.4%
95.1%	5,365	5,073	-292	-5.4%
96.3%	5,318	4,873	-445	-8.4%
97.5%	4,843	4,797	-46	-1.0%
98.8%	4,809	4,722	-87	-1.8%
100.0%	4,171	4,454	282	6.8%

Table SW-13-b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,928	12,341	413	3.5%
1.2%	11,810	12,154	345	2.9%
2.5%	11,428	12,099	671	5.9%
3.7%	11,283	11,675	392	3.5%
4.9%	11,190	11,347	157	1.4%
6.2%	11,139	11,224	85	0.8%
7.4%	11,106	11,053	-54	-0.5%
8.6%	11,005	10,891	-114	-1.0%
9.9%	10,976	10,489	-487	-4.4%
11.1%	10,807	10,467	-340	-3.1%
12.3%	10,568	10,454	-114	-1.1%
13.6%	10,549	10,361	-188	-1.8%
14.8%	10,539	10,189	-350	-3.3%
16.0%	10,527	10,186	-341	-3.2%
17.3%	10,526	9,996	-530	-5.0%
18.5%	10,259	9,823	-436	-4.2%
19.8%	10,221	9,765	-456	-4.5%
21.0%	10,104	9,632	-472	-4.7%
22.2%	10,043	9,593	-450	-4.5%
23.5%	9,995	9,520	-475	-4.8%
24.7%	9,927	9,309	-618	-6.2%
25.9%	9,823	9,249	-574	-5.8%
27.2%	9,655	9,230	-425	-4.4%
28.4%	9,572	9,054	-518	-5.4%
29.6%	9,558	9,054	-504	-5.3%
30.9%	9,546	9,033	-513	-5.4%
32.1%	9,541	8,968	-572	-6.0%
33.3%	9,484	8,936	-548	-5.8%
34.6%	9,427	8,910	-517	-5.5%
35.8%	9,324	8,902	-422	-4.5%
37.0%	9,294	8,699	-595	-6.4%
38.3%	9,239	8,668	-571	-6.2%
39.5%	9,194	8,647	-548	-6.0%
40.7%	9,023	8,583	-440	-4.9%
42.0%	8,948	8,581	-366	-4.1%
43.2%	8,894	8,514	-380	-4.3%
44.4%	8,839	8,503	-336	-3.8%
45.7%	8,825	8,486	-339	-3.8%
46.9%	8,769	8,450	-318	-3.6%
48.1%	8,620	8,425	-195	-2.3%
49.4%	8,620	8,325	-294	-3.4%
50.6%	8,538	8,313	-225	-2.6%
51.9%	8,488	8,300	-188	-2.2%
53.1%	8,485	8,279	-206	-2.4%
54.3%	8,429	8,253	-176	-2.1%
55.6%	8,326	8,248	-78	-0.9%
56.8%	8,284	8,150	-134	-1.6%
58.0%	8,272	8,122	-149	-1.8%
59.3%	8,180	8,111	-69	-0.8%
60.5%	8,123	8,104	-19	-0.2%
61.7%	8,077	8,067	-10	-0.1%
63.0%	8,075	8,031	-43	-0.5%
64.2%	7,990	8,011	21	0.3%
65.4%	7,985	7,995	9	0.1%
66.7%	7,947	7,977	29	0.4%
67.9%	7,904	7,972	68	0.9%
69.1%	7,890	7,958	67	0.9%
70.4%	7,871	7,837	-34	-0.4%
71.6%	7,871	7,799	-72	-0.9%
72.8%	7,738	7,774	36	0.5%
74.1%	7,727	7,768	41	0.5%
75.3%	7,721	7,748	26	0.3%
76.5%	7,713	7,716	4	0.0%
77.8%	7,697	7,688	-8	-0.1%
79.0%	7,644	7,651	8	0.1%
80.2%	7,618	7,615	-3	0.0%
81.5%	7,556	7,578	22	0.3%
82.7%	7,526	7,462	-64	-0.8%
84.0%	7,441	7,443	2	0.0%
85.2%	7,358	7,367	10	0.1%
86.4%	7,291	7,352	61	0.8%
87.7%	7,236	7,252	16	0.2%
88.9%	7,073	7,080	7	0.1%
90.1%	7,022	6,995	-27	-0.4%
91.4%	6,954	6,789	-164	-2.4%
92.6%	6,923	6,744	-179	-2.6%
93.8%	6,922	6,451	-471	-6.8%
95.1%	6,862	6,374	-487	-7.1%
96.3%	6,596	6,235	-361	-5.5%
97.5%	6,260	6,082	-178	-2.8%
98.8%	5,851	6,010	160	2.7%
100.0%	5,511	5,756	245	4.4%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,668	16,962	4,294	33.9%
1.2%	12,500	16,526	4,026	32.2%
2.5%	12,367	13,493	1,126	9.1%
3.7%	12,269	13,291	1,022	8.3%
4.9%	12,248	13,060	812	6.6%
6.2%	12,228	12,992	764	6.2%
7.4%	12,210	12,985	775	6.3%
8.6%	12,129	12,964	835	6.9%
9.9%	12,065	12,932	867	7.2%
11.1%	12,018	12,878	860	7.2%
12.3%	12,017	12,849	832	6.9%
13.6%	11,928	12,725	797	6.7%
14.8%	11,891	12,716	825	6.9%
16.0%	11,887	12,705	818	6.9%
17.3%	11,858	12,656	797	6.7%
18.5%	11,855	12,606	751	6.3%
19.8%	11,849	12,588	739	6.2%
21.0%	11,825	12,503	678	5.7%
22.2%	11,799	12,374	575	4.9%
23.5%	11,786	12,365	579	4.9%
24.7%	11,778	12,343	565	4.8%
25.9%	11,776	12,290	514	4.4%
27.2%	11,731	12,216	485	4.1%
28.4%	11,643	12,203	560	4.8%
29.6%	11,630	12,141	511	4.4%
30.9%	11,586	12,079	493	4.3%
32.1%	11,583	12,065	482	4.2%
33.3%	11,560	11,940	380	3.3%
34.6%	11,560	11,931	371	3.2%
35.8%	11,546	11,926	380	3.3%
37.0%	11,534	11,881	347	3.0%
38.3%	11,528	11,840	312	2.7%
39.5%	11,470	11,836	366	3.2%
40.7%	11,468	11,795	327	2.9%
42.0%	11,452	11,778	325	2.8%
43.2%	11,450	11,771	321	2.8%
44.4%	11,447	11,745	298	2.6%
45.7%	11,440	11,744	304	2.7%
46.9%	11,433	11,741	308	2.7%
48.1%	11,403	11,688	285	2.5%
49.4%	11,395	11,655	260	2.3%
50.6%	11,363	11,629	266	2.3%
51.9%	11,344	11,487	143	1.3%
53.1%	11,294	11,443	149	1.3%
54.3%	11,283	11,435	152	1.3%
55.6%	11,263	11,432	169	1.5%
56.8%	11,210	11,424	213	1.9%
58.0%	11,197	11,333	136	1.2%
59.3%	11,158	11,151	-7	-0.1%
60.5%	11,138	11,105	-32	-0.3%
61.7%	11,117	11,030	-86	-0.8%
63.0%	11,115	10,661	-453	-4.1%
64.2%	10,998	10,649	-350	-3.2%
65.4%	10,998	10,505	-492	-4.5%
66.7%	10,901	10,476	-425	-3.9%
67.9%	10,853	10,376	-477	-4.4%
69.1%	10,720	10,114	-606	-5.7%
70.4%	10,640	10,105	-536	-5.0%
71.6%	10,558	10,034	-524	-5.0%
72.8%	10,463	10,012	-451	-4.3%
74.1%	10,355	9,950	-405	-3.9%
75.3%	10,288	9,826	-462	-4.5%
76.5%	10,015	9,796	-219	-2.2%
77.8%	9,969	9,747	-221	-2.2%
79.0%	9,940	9,561	-379	-3.8%
80.2%	9,910	9,530	-379	-3.8%
81.5%	9,735	9,482	-253	-2.6%
82.7%	9,467	9,470	3	0.0%
84.0%	9,272	9,464	192	2.1%
85.2%	9,234	9,393	158	1.7%
86.4%	8,973	9,324	351	3.9%
87.7%	8,924	9,224	300	3.4%
88.9%	8,883	9,224	340	3.8%
90.1%	8,777	9,203	426	4.8%
91.4%	8,755	9,129	374	4.3%
92.6%	8,727	9,066	339	3.9%
93.8%	8,698	8,978	280	3.2%
95.1%	8,271	8,976	705	8.5%
96.3%	8,258	8,874	617	7.5%
97.5%	7,781	8,867	1,087	14.0%
98.8%	7,726	8,859	1,133	14.7%
100.0%	6,915	7,495	580	8.4%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,044	10,992	-52	-0.5%
1.2%	10,667	10,176	-491	-4.6%
2.5%	10,390	10,117	-274	-2.6%
3.7%	10,239	9,806	-433	-4.2%
4.9%	10,221	9,750	-471	-4.6%
6.2%	10,191	9,552	-640	-6.3%
7.4%	9,998	9,461	-537	-5.4%
8.6%	9,811	9,361	-451	-4.6%
9.9%	9,484	9,010	-474	-5.0%
11.1%	9,461	8,900	-561	-5.9%
12.3%	9,414	8,845	-570	-6.1%
13.6%	9,124	8,760	-365	-4.0%
14.8%	8,966	8,746	-220	-2.5%
16.0%	8,866	8,693	-174	-2.0%
17.3%	8,847	8,689	-157	-1.8%
18.5%	8,787	8,601	-186	-2.1%
19.8%	8,637	8,460	-177	-2.0%
21.0%	8,471	8,405	-66	-0.8%
22.2%	8,462	8,392	-70	-0.8%
23.5%	8,439	8,389	-50	-0.6%
24.7%	8,411	8,282	-129	-1.5%
25.9%	8,365	8,244	-120	-1.4%
27.2%	8,361	8,180	-182	-2.2%
28.4%	8,327	8,163	-164	-2.0%
29.6%	8,278	8,139	-139	-1.7%
30.9%	8,267	8,123	-144	-1.7%
32.1%	8,217	8,080	-137	-1.7%
33.3%	8,174	8,066	-108	-1.3%
34.6%	8,141	8,009	-132	-1.6%
35.8%	8,140	7,982	-158	-1.9%
37.0%	7,990	7,982	-8	-0.1%
38.3%	7,984	7,971	-13	-0.2%
39.5%	7,973	7,965	-8	-0.1%
40.7%	7,790	7,948	158	2.0%
42.0%	7,778	7,941	164	2.1%
43.2%	7,687	7,917	231	3.0%
44.4%	7,569	7,877	308	4.1%
45.7%	7,565	7,854	289	3.8%
46.9%	7,557	7,812	254	3.4%
48.1%	7,480	7,784	304	4.1%
49.4%	7,463	7,769	306	4.1%
50.6%	7,408	7,730	322	4.3%
51.9%	7,375	7,667	292	4.0%
53.1%	7,328	7,659	331	4.5%
54.3%	7,297	7,648	351	4.8%
55.6%	7,279	7,637	358	4.9%
56.8%	7,270	7,601	331	4.5%
58.0%	7,263	7,593	330	4.5%
59.3%	7,242	7,591	349	4.8%
60.5%	7,235	7,587	352	4.9%
61.7%	7,170	7,582	412	5.7%
63.0%	7,170	7,581	411	5.7%
64.2%	7,107	7,558	451	6.3%
65.4%	7,069	7,553	485	6.9%
66.7%	7,065	7,515	450	6.4%
67.9%	7,056	7,500	444	6.3%
69.1%	6,928	7,490	561	8.1%
70.4%	6,881	7,465	584	8.5%
71.6%	6,871	7,464	593	8.6%
72.8%	6,803	7,458	655	9.6%
74.1%	6,788	7,454	665	9.8%
75.3%	6,759	7,440	681	10.1%
76.5%	6,747	7,411	664	9.8%
77.8%	6,747	7,395	649	9.6%
79.0%	6,626	7,331	706	10.6%
80.2%	6,593	7,330	737	11.2%
81.5%	6,522	7,328	806	12.4%
82.7%	6,459	7,323	864	13.4%
84.0%	6,447	7,307	860	13.3%
85.2%	6,437	7,300	863	13.4%
86.4%	6,428	7,292	864	13.4%
87.7%	6,392	7,250	858	13.4%
88.9%	6,330	7,035	706	11.1%
90.1%	6,142	7,019	877	14.3%
91.4%	6,092	7,008	916	15.0%
92.6%	6,068	6,912	844	13.9%
93.8%	6,059	6,907	847	14.0%
95.1%	5,945	6,893	949	16.0%
96.3%	5,942	6,795	854	14.4%
97.5%	5,811	6,608	798	13.7%
98.8%	5,801	6,596	795	13.7%
100.0%	4,994	6,512	1,518	30.4%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,986	15,845	-141	-0.9%
1.2%	15,483	15,307	-175	-1.1%
2.5%	15,346	15,135	-211	-1.4%
3.7%	15,202	14,836	-366	-2.4%
4.9%	14,996	14,751	-245	-1.6%
6.2%	14,954	14,739	-215	-1.4%
7.4%	14,887	14,652	-235	-1.6%
8.6%	14,886	14,634	-252	-1.7%
9.9%	14,720	14,547	-173	-1.2%
11.1%	14,707	14,439	-268	-1.8%
12.3%	14,370	14,370	-1	0.0%
13.6%	14,238	14,283	45	0.3%
14.8%	13,797	13,965	168	1.2%
16.0%	12,544	13,867	1,323	10.5%
17.3%	12,283	12,635	351	2.9%
18.5%	11,474	12,349	875	7.6%
19.8%	11,416	12,132	716	6.3%
21.0%	11,383	11,590	207	1.8%
22.2%	11,326	11,069	-257	-2.3%
23.5%	11,318	10,922	-396	-3.5%
24.7%	11,033	10,915	-118	-1.1%
25.9%	11,024	10,387	-637	-5.8%
27.2%	10,934	10,206	-728	-6.7%
28.4%	10,316	10,054	-262	-2.5%
29.6%	10,279	10,001	-278	-2.7%
30.9%	10,201	9,429	-771	-7.6%
32.1%	10,015	9,294	-721	-7.2%
33.3%	9,379	9,213	-166	-1.8%
34.6%	9,073	9,092	19	0.2%
35.8%	8,888	8,728	-160	-1.8%
37.0%	8,566	8,540	-26	-0.3%
38.3%	8,105	8,411	306	3.8%
39.5%	8,095	8,123	28	0.3%
40.7%	7,988	8,100	112	1.4%
42.0%	7,842	7,953	111	1.4%
43.2%	7,629	7,528	-100	-1.3%
44.4%	7,299	7,303	4	0.1%
45.7%	7,236	7,069	-167	-2.3%
46.9%	7,025	7,062	37	0.5%
48.1%	7,021	6,896	-125	-1.8%
49.4%	6,985	6,770	-215	-3.1%
50.6%	6,828	6,597	-231	-3.4%
51.9%	6,756	6,512	-243	-3.6%
53.1%	6,700	6,486	-214	-3.2%
54.3%	6,495	6,391	-104	-1.6%
55.6%	6,308	6,353	45	0.7%
56.8%	6,291	6,227	-63	-1.0%
58.0%	5,939	6,186	246	4.2%
59.3%	5,922	6,156	234	3.9%
60.5%	5,644	6,145	502	8.9%
61.7%	5,477	6,123	645	11.8%
63.0%	5,355	6,068	713	13.3%
64.2%	5,249	5,998	749	14.3%
65.4%	5,149	5,971	821	15.9%
66.7%	5,079	5,964	885	17.4%
67.9%	5,069	5,962	892	17.6%
69.1%	5,065	5,853	787	15.5%
70.4%	5,058	5,830	772	15.3%
71.6%	5,004	5,794	790	15.8%
72.8%	4,989	5,743	754	15.1%
74.1%	4,981	5,734	753	15.1%
75.3%	4,921	5,719	798	16.2%
76.5%	4,904	5,681	777	15.8%
77.8%	4,814	5,627	813	16.9%
79.0%	4,745	5,600	855	18.0%
80.2%	4,723	5,590	867	18.3%
81.5%	4,707	5,460	753	16.0%
82.7%	4,668	5,453	785	16.8%
84.0%	4,644	5,408	764	16.4%
85.2%	4,587	5,404	818	17.8%
86.4%	4,574	5,318	744	16.3%
87.7%	4,475	5,298	823	18.4%
88.9%	4,470	5,263	793	17.8%
90.1%	4,368	5,185	817	18.7%
91.4%	4,322	5,142	820	19.0%
92.6%	4,231	5,141	910	21.5%
93.8%	4,159	5,139	980	23.6%
95.1%	4,022	4,979	957	23.8%
96.3%	3,964	4,978	1,013	25.6%
97.5%	3,929	4,946	1,017	25.9%
98.8%	3,877	4,914	1,037	26.8%
100.0%	3,813	4,709	896	23.5%

Figure SW-14-b
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Probability of Exceedance

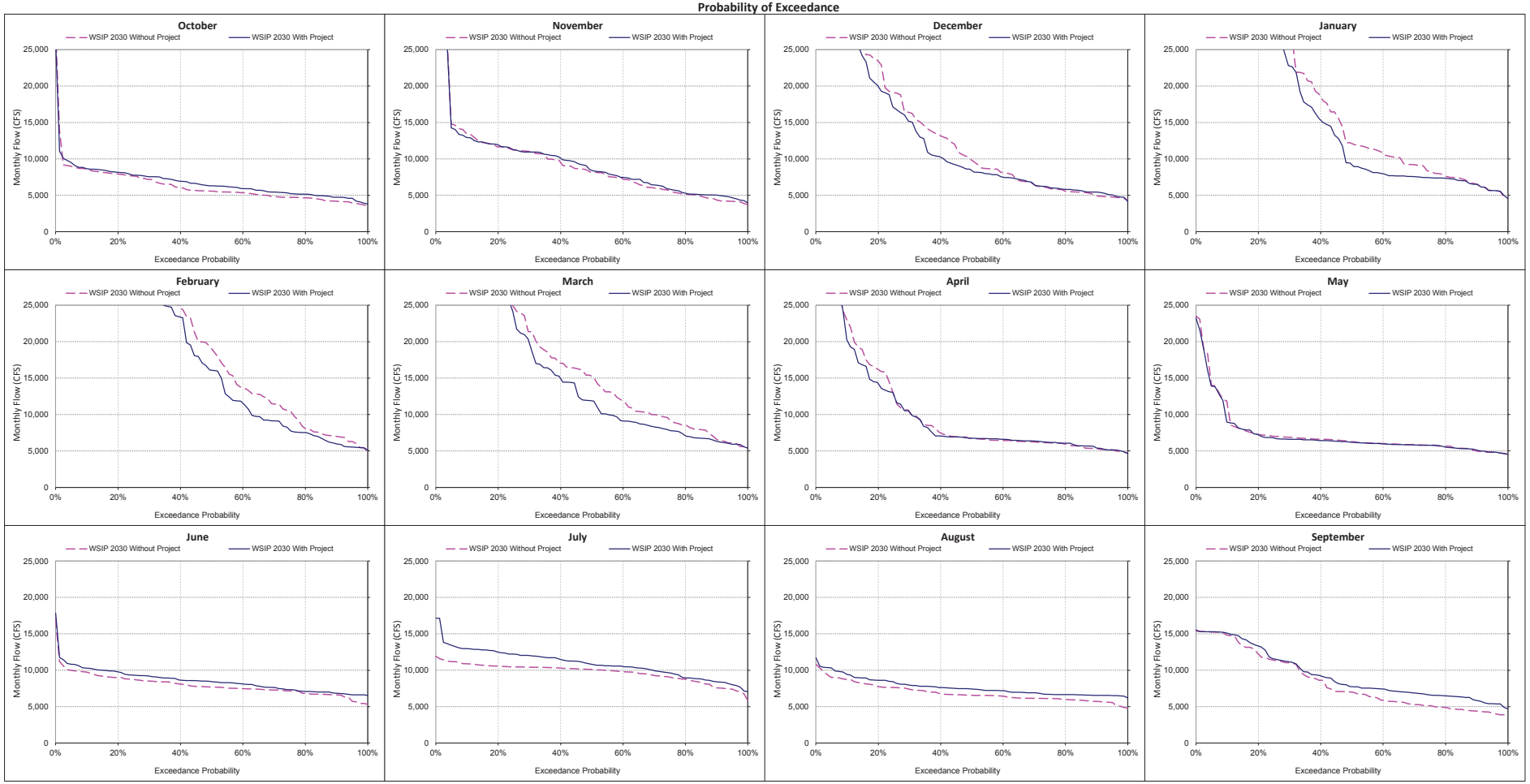


Table SW-14-b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	27,728	26,182	-1,546	-5.6%
1.2%	13,993	11,051	-2,942	-21.0%
2.5%	9,163	10,058	895	9.8%
3.7%	9,083	9,782	699	7.7%
4.9%	8,984	9,510	526	5.9%
6.2%	8,858	9,091	233	2.6%
7.4%	8,697	8,846	148	1.7%
8.6%	8,683	8,812	129	1.5%
9.9%	8,631	8,656	25	0.3%
11.1%	8,415	8,591	176	2.1%
12.3%	8,297	8,583	286	3.4%
13.6%	8,247	8,562	315	3.8%
14.8%	8,111	8,476	366	4.5%
16.0%	8,103	8,391	288	3.6%
17.3%	8,033	8,265	232	2.9%
18.5%	7,983	8,230	247	3.1%
19.8%	7,926	8,160	235	3.0%
21.0%	7,862	8,109	248	3.1%
22.2%	7,780	8,075	295	3.8%
23.5%	7,691	7,950	259	3.4%
24.7%	7,656	7,768	112	1.5%
25.9%	7,611	7,763	151	2.0%
27.2%	7,322	7,725	402	5.5%
28.4%	7,304	7,653	350	4.8%
29.6%	7,165	7,557	392	5.5%
30.9%	7,155	7,556	401	5.6%
32.1%	6,805	7,552	747	11.0%
33.3%	6,641	7,518	877	13.2%
34.6%	6,541	7,309	768	11.7%
35.8%	6,507	7,261	754	11.6%
37.0%	6,498	7,192	694	10.7%
38.3%	6,139	7,053	915	14.9%
39.5%	6,066	6,932	866	14.3%
40.7%	6,007	6,902	895	14.9%
42.0%	5,776	6,858	1,082	18.7%
43.2%	5,679	6,664	985	17.3%
44.4%	5,678	6,642	964	17.0%
45.7%	5,629	6,548	919	16.3%
46.9%	5,609	6,439	831	14.8%
48.1%	5,583	6,382	799	14.3%
49.4%	5,577	6,287	709	12.7%
50.6%	5,561	6,283	723	13.0%
51.9%	5,481	6,252	771	14.1%
53.1%	5,454	6,250	795	14.6%
54.3%	5,454	6,227	773	14.2%
55.6%	5,435	6,155	720	13.3%
56.8%	5,428	6.119	691	12.7%
58.0%	5,410	6,069	660	12.2%
59.3%	5,354	5,941	587	11.0%
60.5%	5,341	5,900	559	10.5%
61.7%	5,267	5,899	632	12.0%
63.0%	5,213	5,881	668	12.8%
64.2%	5,109	5,697	588	11.5%
65.4%	5,054	5,685	632	12.5%
66.7%	5,014	5,621	607	12.1%
67.9%	4,998	5,484	487	9.7%
69.1%	4,827	5,451	624	12.9%
70.4%	4,812	5,436	623	12.9%
71.6%	4,758	5,407	649	13.6%
72.8%	4,723	5,380	657	13.9%
74.1%	4,710	5,332	622	13.2%
75.3%	4,708	5,214	506	10.7%
76.5%	4,705	5,193	488	10.4%
77.8%	4,693	5,168	475	10.1%
79.0%	4,650	5,156	506	10.9%
80.2%	4,641	5,154	513	11.1%
81.5%	4,621	5,117	496	10.7%
82.7%	4,573	5,011	438	9.6%
84.0%	4,497	4,944	447	9.9%
85.2%	4,428	4,936	507	11.5%
86.4%	4,236	4,911	675	15.9%
87.7%	4,222	4,857	635	15.0%
88.9%	4,212	4,723	511	12.1%
90.1%	4,183	4,715	532	12.7%
91.4%	4,130	4,712	582	14.1%
92.6%	4,108	4,685	577	14.1%
93.8%	4,094	4,596	502	12.3%
95.1%	3,936	4,594	658	16.7%
96.3%	3,879	4,207	328	8.4%
97.5%	3,773	4,068	296	7.8%
98.8%	3,672	3,896	224	6.1%
100.0%	3,427	3,799	372	10.9%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	37,473	34,340	-3,132	-8.4%
1.2%	33,424	34,219	795	2.4%
2.5%	26,783	25,572	-1,212	-4.5%
3.7%	25,900	25,049	-851	-3.3%
4.9%	14,790	14,264	-526	-3.6%
6.2%	14,631	14,027	-604	-4.1%
7.4%	14,144	13,347	-797	-5.6%
8.6%	14,030	13,241	-789	-5.6%
9.9%	13,451	12,946	-505	-3.8%
11.1%	13,384	12,893	-491	-3.7%
12.3%	12,919	12,517	-402	-3.1%
13.6%	12,510	12,327	-183	-1.5%
14.8%	12,260	12,326	66	0.5%
16.0%	12,172	12,184	12	0.1%
17.3%	12,094	12,036	-58	-0.5%
18.5%	11,959	12,034	75	0.6%
19.8%	11,644	11,959	316	2.7%
21.0%	11,643	11,690	48	0.4%
22.2%	11,568	11,645	77	0.7%
23.5%	11,434	11,563	128	1.1%
24.7%	11,223	11,275	52	0.5%
25.9%	11,182	11,193	12	0.1%
27.2%	11,112	11,018	-93	-0.8%
28.4%	11,077	10,947	-130	-1.2%
29.6%	11,037	10,946	-92	-0.8%
30.9%	10,942	10,937	-5	0.0%
32.1%	10,731	10,924	194	1.8%
33.3%	10,703	10,901	198	1.8%
34.6%	10,699	10,661	-38	-0.4%
35.8%	9,975	10,575	600	6.0%
37.0%	9,969	10,469	500	5.0%
38.3%	9,839	10,426	587	6.0%
39.5%	9,790	10,248	457	4.7%
40.7%	9,072	9,854	782	8.6%
42.0%	9,021	9,802	781	8.7%
43.2%	9,009	9,736	727	8.1%
44.4%	8,687	9,602	916	10.5%
45.7%	8,632	9,330	697	8.1%
46.9%	8,605	9,200	595	6.9%
48.1%	8,531	9,081	549	6.4%
49.4%	8,207	8,519	312	3.8%
50.6%	8,188	8,333	145	1.8%
51.9%	8,110	8,268	158	2.0%
53.1%	8,107	8,239	131	1.6%
54.3%	7,892	8,144	253	3.2%
55.6%	7,541	7,913	372	4.9%
56.8%	7,496	7,809	313	4.2%
58.0%	7,435	7,697	262	3.5%
59.3%	7,373	7,481	108	1.5%
60.5%	7,160	7,454	294	4.1%
61.7%	7,152	7,350	198	2.8%
63.0%	6,863	7,205	342	5.0%
64.2%	6,684	7,201	517	7.7%
65.4%	6,431	7,180	749	11.6%
66.7%	6,307	6,762	455	7.2%
67.9%	6,071	6,731	660	10.9%
69.1%	6,064	6,430	366	6.0%
70.4%	5,965	6,399	434	7.3%
71.6%	5,949	6,315	366	6.2%
72.8%	5,794	6,240	446	7.7%
74.1%	5,748	5,921	173	3.0%
75.3%	5,528	5,803	275	5.0%
76.5%	5,392	5,677	286	5.3%
77.8%	5,306	5,612	305	5.8%
79.0%	5,196	5,369	174	3.3%
80.2%	5,160	5,250	90	1.8%
81.5%	5,087	5,150	63	1.2%
82.7%	5,057	5,150	93	1.8%
84.0%	4,982	5,135	153	3.1%
85.2%	4,840	5,068	229	4.7%
86.4%	4,679	5,063	384	8.2%
87.7%	4,579	5,048	469	10.2%
88.9%	4,540	5,038	497	11.0%
90.1%	4,325	5,021	696	16.1%
91.4%	4,226	4,959	733	17.3%
92.6%	4,213	4,866	653	15.5%
93.8%	4,197	4,810	613	14.6%
95.1%	4,164	4,664	499	12.0%
96.3%	4,110	4,521	412	10.0%
97.5%	4,093	4,321	228	5.6%
98.8%	3,874	4,275	401	10.4%
100.0%	3,715	3,925	210	5.6%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	64,123	64,274	151	0.2%
1.2%	53,497	52,381	-1,116	-2.1%
2.5%	52,160	51,265	-895	-1.7%
3.7%	51,625	46,889	-4,736	-9.2%
4.9%	46,820	43,038	-3,782	-8.1%
6.2%	41,839	42,349	510	1.2%
7.4%	41,517	38,195	-3,323	-8.0%
8.6%	39,510	35,792	-3,718	-9.4%
9.9%	35,636	35,698	63	0.2%
11.1%	32,203	30,000	-2,203	-6.8%
12.3%	30,000	26,679	-3,321	-11.1%
13.6%	29,681	25,577	-4,104	-13.8%
14.8%	26,284	24,186	-2,098	-8.0%
16.0%	24,308	23,328	-980	-4.0%
17.3%	24,284	21,110	-3,173	-13.1%
18.5%	23,813	20,550	-3,264	-13.7%
19.8%	23,516	20,118	-3,399	-14.5%
21.0%	22,885	19,275	-3,611	-15.8%
22.2%	19,742	19,078	-664	-3.4%
23.5%	19,282	18,821	-461	-2.4%
24.7%	19,114	17,124	-1,990	-10.4%
25.9%	19,040	16,738	-2,302	-12.1%
27.2%	18,788	16,360	-2,428	-12.9%
28.4%	16,458	16,041	-416	-2.5%
29.6%	16,405	15,173	-1,232	-7.5%
30.9%	16,244	15,045	-1,199	-7.4%
32.1%	15,407	13,836	-1,572	-10.2%
33.3%	15,097	13,014	-2,082	-13.8%
34.6%	14,631	12,785	-1,846	-12.6%
35.8%	14,124	10,886	-3,238	-22.9%
37.0%	13,801	10,558	-3,243	-23.5%
38.3%	13,524	10,387	-3,137	-23.2%
39.5%	13,281	10,337	-2,943	-22.2%
40.7%	13,012	10,083	-2,929	-22.5%
42.0%	12,826	9,603	-3,223	-25.1%
43.2%	12,340	9,398	-2,942	-23.8%
44.4%	12,020	9,214	-2,806	-23.3%
45.7%	10,887	9,048	-1,839	-16.9%
46.9%	10,588	8,860	-1,728	-16.3%
48.1%	10,380	8,618	-1,762	-17.0%
49.4%	9,975	8,581	-1,394	-14.0%
50.6%	9,614	8,186	-1,428	-14.9%
51.9%	9,219	8,167	-1,052	-11.4%
53.1%	8,752	8,119	-633	-7.2%
54.3%	8,675	7,966	-710	-8.2%
55.6%	8,635	7,938	-697	-8.1%
56.8%	8,601	7,846	-754	-8.8%
58.0%	8,592	7,824	-768	-8.9%
59.3%	8,170	7,529	-640	-7.8%
60.5%	8,106	7,436	-670	-8.3%
61.7%	7,991	7,433	-558	-7.0%
63.0%	7,843	7,363	-480	-6.1%
64.2%	7,198	7,253	55	0.8%
65.4%	6,971	7,142	170	2.4%
66.7%	6,908	7,052	144	2.1%
67.9%	6,842	6,906	65	0.9%
69.1%	6,686	6,788	102	1.5%
70.4%	6,333	6,346	13	0.2%
71.6%	6,194	6,246	52	0.8%
72.8%	6,165	6,228	63	1.0%
74.1%	6,050	6,202	153	2.5%
75.3%	5,892	6,022	130	2.2%
76.5%	5,872	5,973	101	1.7%
77.8%	5,822	5,936	113	1.9%
79.0%	5,754	5,827	73	1.3%
80.2%	5,490	5,794	304	5.5%
81.5%	5,488	5,785	297	5.4%
82.7%	5,467	5,718	251	4.6%
84.0%	5,445	5,685	240	4.4%
85.2%	5,430	5,624	194	3.6%
86.4%	5,379	5,462	83	1.5%
87.7%	5,286	5,458	173	3.3%
88.9%	5,123	5,458	335	6.5%
90.1%	4,902	5,435	532	10.9%
91.4%	4,850	5,355	504	10.4%
92.6%	4,818	5,259	441	9.1%
93.8%	4,782	5,070	288	6.0%
95.1%	4,761	5,051	291	6.1%
96.3%	4,701	4,833	132	2.8%
97.5%	4,667	4,765	98	2.1%
98.8%	4,564	4,721	157	3.4%
100.0%	4,300	4,107	-193	-4.5%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	84,265	84,414	149	0.2%
1.2%	78,272	77,384	-888	-1.1%
2.5%	73,974	71,475	-2,498	-3.4%
3.7%	72,842	71,054	-1,788	-2.5%
4.9%	69,729	69,819	90	0.1%
6.2%	66,519	63,924	-2,595	-3.9%
7.4%	62,928	61,768	-1,160	-1.8%
8.6%	61,714	60,919	-795	-1.3%
9.9%	52,796	49,427	-3,370	-6.4%
11.1%	50,218	49,031	-1,187	-2.4%
12.3%	49,116	48,357	-759	-1.5%
13.6%	47,653	46,112	-1,541	-3.2%
14.8%	45,367	42,566	-2,800	-6.2%
16.0%	44,629	40,370	-4,259	-9.5%
17.3%	41,142	37,151	-3,991	-9.7%
18.5%	40,324	36,990	-3,334	-8.3%
19.8%	38,247	34,661	-3,585	-9.4%
21.0%	37,998	33,344	-4,654	-12.2%
22.2%	36,340	32,041	-4,299	-11.8%
23.5%	33,760	30,798	-2,961	-8.8%
24.7%	32,711	30,000	-2,711	-8.3%
25.9%	31,604	29,458	-2,146	-6.8%
27.2%	28,193	26,694	-1,499	-5.3%
28.4%	27,899	24,579	-3,320	-11.9%
29.6%	26,495	22,827	-3,668	-13.8%
30.9%	26,462	22,633	-3,830	-14.5%
32.1%	21,890	21,848	-42	-0.2%
33.3%	21,881	19,204	-2,677	-12.2%
34.6%	21,720	17,833	-3,887	-17.9%
35.8%	20,716	17,427	-3,289	-15.9%
37.0%	20,575	17,100	-3,475	-16.9%
38.3%	19,305	16,246	-3,058	-15.8%
39.5%	18,866	15,505	-3,361	-17.8%
40.7%	17,991	14,997	-2,995	-16.6%
42.0%	17,621	14,722	-2,899	-16.4%
43.2%	16,448	14,482	-1,966	-12.0%
44.4%	16,442	13,266	-3,177	-19.3%
45.7%	15,559	12,779	-2,780	-17.9%
46.9%	14,460	11,808	-2,652	-18.3%
48.1%	12,245	9,455	-2,790	-22.8%
49.4%	12,197	9,425	-2,773	-22.7%
50.6%	11,988	8,951	-3,036	-25.3%
51.9%	11,807	8,934	-2,873	-24.3%
53.1%	11,766	8,715	-3,050	-25.9%
54.3%	11,624	8,583	-3,040	-26.2%
55.6%	11,429	8,380	-3,048	-26.7%
56.8%	11,355	8,120	-3,235	-28.5%
58.0%	11,183	8,119	-3,063	-27.4%
59.3%	10,972	8,023	-2,949	-26.9%
60.5%	10,507	7,894	-2,613	-24.9%
61.7%	10,407	7,688	-2,719	-26.1%
63.0%	10,269	7,681	-2,588	-25.2%
64.2%	10,237	7,664	-2,574	-25.1%
65.4%	10,129	7,660	-2,469	-24.4%
66.7%	9,298	7,635	-1,663	-17.9%
67.9%	9,226	7,591	-1,634	-17.7%
69.1%	9,220	7,572	-1,648	-17.9%
70.4%	9,171	7,562	-1,609	-17.5%
71.6%	9,074	7,496	-1,578	-17.4%
72.8%	9,060	7,447	-1,612	-17.8%
74.1%	8,362	7,439	-922	-11.0%
75.3%	8,270	7,414	-856	-10.4%
76.5%	8,010	7,367	-643	-8.0%
77.8%	7,980	7,356	-624	-7.8%
79.0%	7,875	7,350	-525	-6.7%
80.2%	7,579	7,316	-263	-3.5%
81.5%	7,464	7,256	-208	-2.8%
82.7%	7,450	7,224	-225	-3.0%
84.0%	7,437	7,031	-406	-5.5%
85.2%	7,251	6,997	-254	-3.5%
86.4%	7,104	6,992	-112	-1.6%
87.7%	6,649	6,611	-39	-0.6%
88.9%	6,647	6,517	-130	-2.0%
90.1%	6,500	6,502	1	0.0%
91.4%	6,178	6,143	-34	-0.6%
92.6%	6,123	6,089	-33	-0.5%
93.8%	5,696	5,660	-36	-0.6%
95.1%	5,645	5,642	-2	0.0%
96.3%	5,614	5,632	18	0.3%
97.5%	5,530	5,541	11	0.2%
98.8%	4,699	4,963	264	5.6%
100.0%	4,690	4,567	-123	-2.6%

Table SW-14-b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	101,616	99,822	-1,794	-1.8%
1.2%	94,345	94,151	-194	-0.2%
2.5%	77,996	76,536	-1,460	-1.9%
3.7%	76,733	74,017	-2,716	-3.5%
4.9%	73,853	73,848	-4	0.0%
6.2%	73,687	71,189	-2,498	-3.4%
7.4%	71,243	70,983	-260	-0.4%
8.6%	63,388	62,096	-1,292	-2.0%
9.9%	60,666	58,631	-2,036	-3.4%
11.1%	60,424	57,883	-2,541	-4.2%
12.3%	58,765	56,447	-2,319	-3.9%
13.6%	57,719	56,166	-1,553	-2.7%
14.8%	55,414	53,548	-1,866	-3.4%
16.0%	51,495	46,957	-4,538	-8.8%
17.3%	47,213	45,252	-1,961	-4.2%
18.5%	45,414	45,077	-337	-0.7%
19.8%	45,066	43,515	-1,551	-3.4%
21.0%	44,647	42,610	-2,037	-4.6%
22.2%	44,298	40,051	-4,247	-9.6%
23.5%	41,724	38,220	-3,505	-8.4%
24.7%	38,695	37,916	-778	-2.0%
25.9%	37,626	34,089	-3,537	-9.4%
27.2%	36,860	32,315	-4,545	-12.3%
28.4%	32,301	30,000	-2,301	-7.1%
29.6%	31,184	30,000	-1,184	-3.8%
30.9%	31,109	29,582	-1,527	-4.9%
32.1%	30,000	28,537	-1,463	-4.9%
33.3%	28,933	28,234	-699	-2.4%
34.6%	28,767	25,007	-3,760	-13.1%
35.8%	27,370	24,846	-2,524	-9.2%
37.0%	27,263	24,747	-2,516	-9.2%
38.3%	26,319	23,577	-2,742	-10.4%
39.5%	24,736	23,426	-1,309	-5.3%
40.7%	24,402	23,285	-1,118	-4.6%
42.0%	23,461	19,862	-3,598	-15.3%
43.2%	23,261	19,526	-3,735	-16.1%
44.4%	21,339	18,095	-3,245	-15.2%
45.7%	20,048	17,982	-2,067	-10.3%
46.9%	19,960	17,090	-2,870	-14.4%
48.1%	19,889	16,735	-3,154	-15.9%
49.4%	19,313	16,114	-3,200	-16.6%
50.6%	18,687	16,063	-2,623	-14.0%
51.9%	17,982	15,963	-2,019	-11.2%
53.1%	17,107	14,968	-2,139	-12.5%
54.3%	16,500	12,825	-3,675	-22.3%
55.6%	15,558	12,445	-3,114	-20.0%
56.8%	15,310	11,959	-3,352	-21.9%
58.0%	14,111	11,883	-2,228	-15.8%
59.3%	13,768	11,829	-1,939	-14.1%
60.5%	13,651	11,334	-2,317	-17.0%
61.7%	13,313	10,720	-2,593	-19.5%
63.0%	12,880	9,878	-3,002	-23.3%
64.2%	12,825	9,738	-3,087	-24.1%
65.4%	12,761	9,696	-3,065	-24.0%
66.7%	12,410	9,246	-3,164	-25.5%
67.9%	12,241	9,235	-3,006	-24.6%
69.1%	11,513	9,131	-2,383	-20.7%
70.4%	11,425	9,117	-2,309	-20.2%
71.6%	11,421	9,103	-2,317	-20.3%
72.8%	10,763	8,426	-2,337	-21.7%
74.1%	10,583	8,262	-2,321	-21.9%
75.3%	10,432	7,754	-2,678	-25.7%
76.5%	9,748	7,594	-2,155	-22.1%
77.8%	9,235	7,551	-1,684	-18.2%
79.0%	8,404	7,540	-864	-10.3%
80.2%	7,978	7,509	-469	-5.9%
81.5%	7,953	7,351	-602	-7.6%
82.7%	7,624	7,083	-542	-7.1%
84.0%	7,578	7,004	-574	-7.6%
85.2%	7,358	6,726	-632	-8.6%
86.4%	7,198	6,467	-731	-10.2%
87.7%	7,116	6,222	-894	-12.6%
88.9%	7,079	6,097	-982	-13.9%
90.1%	6,995	5,947	-1,049	-15.0%
91.4%	6,894	5,880	-1,014	-14.7%
92.6%	6,869	5,608	-1,261	-18.4%
93.8%	6,295	5,549	-746	-11.9%
95.1%	6,292	5,541	-750	-11.9%
96.3%	6,018	5,505	-514	-8.5%
97.5%	5,468	5,471	3	0.1%
98.8%	5,455	5,407	-48	-0.9%
100.0%	4,811	5,139	328	6.8%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	92,868	92,863	-5	0.0%
1.2%	86,098	84,343	-1,755	-2.0%
2.5%	74,842	75,009	167	0.2%
3.7%	54,125	54,124	-1	0.0%
4.9%	52,872	51,152	-1,720	-3.3%
6.2%	52,605	46,779	-5,826	-11.1%
7.4%	46,530	41,232	-5,298	-11.4%
8.6%	45,204	40,580	-4,623	-10.2%
9.9%	41,476	40,070	-1,407	-3.4%
11.1%	41,275	38,553	-2,722	-6.6%
12.3%	38,542	36,003	-2,539	-6.6%
13.6%	35,894	35,589	-305	-0.9%
14.8%	32,796	30,000	-2,796	-8.5%
16.0%	30,000	29,308	-692	-2.3%
17.3%	30,000	28,870	-1,130	-3.8%
18.5%	29,377	28,060	-1,317	-4.5%
19.8%	28,372	28,010	-362	-1.3%
21.0%	28,003	26,537	-1,466	-5.2%
22.2%	25,768	25,797	29	0.1%
23.5%	25,733	25,728	-5	0.0%
24.7%	24,950	24,141	-809	-3.2%
25.9%	24,160	21,711	-2,449	-10.1%
27.2%	23,932	21,181	-2,751	-11.5%
28.4%	23,574	20,959	-2,616	-11.1%
29.6%	21,388	20,381	-1,007	-4.7%
30.9%	21,343	18,615	-2,728	-12.8%
32.1%	20,044	17,023	-3,021	-15.1%
33.3%	19,297	16,906	-2,391	-12.4%
34.6%	18,901	16,451	-2,450	-13.0%
35.8%	18,580	16,395	-2,186	-11.8%
37.0%	17,792	16,073	-1,719	-9.7%
38.3%	17,731	15,403	-2,329	-13.1%
39.5%	17,065	15,282	-1,783	-10.4%
40.7%	17,031	14,462	-2,568	-15.1%
42.0%	16,496	14,456	-2,040	-12.4%
43.2%	16,445	14,401	-2,044	-12.4%
44.4%	16,387	14,344	-2,043	-12.5%
45.7%	16,244	12,455	-3,789	-23.3%
46.9%	16,107	12,026	-4,082	-25.3%
48.1%	15,414	11,962	-3,452	-22.4%
49.4%	15,397	11,903	-3,494	-22.7%
50.6%	15,115	11,829	-3,286	-21.7%
51.9%	14,204	10,936	-3,268	-23.0%
53.1%	13,720	10,096	-3,624	-26.4%
54.3%	13,123	10,079	-3,043	-23.2%
55.6%	13,120	9,950	-3,170	-24.2%
56.8%	13,019	9,878	-3,141	-24.1%
58.0%	12,381	9,672	-2,709	-21.9%
59.3%	12,043	9,170	-2,873	-23.9%
60.5%	11,753	9,102	-2,651	-22.6%
61.7%	11,041	9,078	-1,962	-17.8%
63.0%	10,867	8,971	-1,896	-17.4%
64.2%	10,446	8,917	-1,529	-14.6%
65.4%	10,408	8,709	-1,699	-16.3%
66.7%	10,339	8,665	-1,675	-16.2%
67.9%	10,326	8,531	-1,795	-17.4%
69.1%	9,989	8,387	-1,602	-16.0%
70.4%	9,987	8,290	-1,696	-17.0%
71.6%	9,876	8,208	-1,668	-16.9%
72.8%	9,687	8,057	-1,630	-16.8%
74.1%	9,610	7,943	-1,668	-17.4%
75.3%	9,206	7,787	-1,419	-15.4%
76.5%	8,865	7,727	-1,139	-12.8%
77.8%	8,752	7,686	-1,066	-12.2%
79.0%	8,543	7,390	-1,153	-13.5%
80.2%	8,538	7,028	-1,510	-17.7%
81.5%	8,183	6,960	-1,223	-14.9%
82.7%	8,019	6,811	-1,208	-15.1%
84.0%	7,975	6,789	-1,186	-14.9%
85.2%	7,911	6,758	-1,153	-14.6%
86.4%	7,865	6,723	-1,142	-14.5%
87.7%	7,389	6,675	-715	-9.7%
88.9%	7,027	6,475	-552	-7.9%
90.1%	6,552	6,305	-247	-3.8%
91.4%	6,441	6,202	-239	-3.7%
92.6%	6,309	6,137	-172	-2.7%
93.8%	6,119	6,041	-78	-1.3%
95.1%	6,103	5,937	-166	-2.7%
96.3%	6,012	5,921	-91	-1.5%
97.5%	5,613	5,899	286	5.1%
98.8%	5,582	5,580	-2	0.0%
100.0%	5,528	5,376	-151	-2.7%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	51,060	47,460	-3,600	-7.1%
1.2%	42,964	42,920	-44	-0.1%
2.5%	42,600	42,591	-8	0.0%
3.7%	40,199	40,196	-4	0.0%
4.9%	30,248	30,254	6	0.0%
6.2%	27,165	27,179	13	0.0%
7.4%	27,132	27,134	3	0.0%
8.6%	24,272	24,299	28	0.1%
9.9%	23,042	20,251	-2,791	-12.1%
11.1%	21,965	19,286	-2,680	-12.2%
12.3%	19,936	18,925	-1,011	-5.1%
13.6%	19,273	17,117	-2,156	-11.2%
14.8%	18,938	16,830	-2,108	-11.1%
16.0%	17,530	16,604	-926	-5.3%
17.3%	16,833	14,846	-1,988	-11.8%
18.5%	16,604	14,513	-2,091	-12.6%
19.8%	16,236	14,413	-1,823	-11.2%
21.0%	15,897	13,571	-2,326	-14.6%
22.2%	15,837	13,334	-2,503	-15.8%
23.5%	14,513	13,110	-1,403	-9.7%
24.7%	13,047	13,044	-3	0.0%
25.9%	11,470	11,625	154	1.3%
27.2%	10,921	11,409	488	4.5%
28.4%	10,636	10,534	-102	-1.0%
29.6%	10,618	10,517	-102	-1.0%
30.9%	9,811	9,837	25	0.3%
32.1%	9,786	9,677	-109	-1.1%
33.3%	9,288	9,346	58	0.6%
34.6%	8,672	8,370	-301	-3.5%
35.8%	8,505	8,191	-314	-3.7%
37.0%	8,492	7,613	-879	-10.4%
38.3%	8,124	7,073	-1,051	-12.9%
39.5%	7,581	7,065	-516	-6.8%
40.7%	7,321	7,043	-278	-3.8%
42.0%	7,141	6,971	-170	-2.4%
43.2%	7,019	6,936	-83	-1.2%
44.4%	6,963	6,923	-40	-0.6%
45.7%	6,939	6,906	-33	-0.5%
46.9%	6,907	6,874	-34	-0.5%
48.1%	6,902	6,829	-73	-1.1%
49.4%	6,730	6,759	29	0.4%
50.6%	6,718	6,731	13	0.2%
51.9%	6,654	6,718	64	1.0%
53.1%	6,611	6,706	95	1.4%
54.3%	6,608	6,703	95	1.4%
55.6%	6,494	6,686	192	3.0%
56.8%	6,472	6,660	188	2.9%
58.0%	6,466	6,658	192	3.0%
59.3%	6,455	6,616	161	2.5%
60.5%	6,445	6,603	158	2.4%
61.7%	6,442	6,581	139	2.2%
63.0%	6,407	6,451	44	0.7%
64.2%	6,315	6,441	126	2.0%
65.4%	6,312	6,424	112	1.8%
66.7%	6,295	6,385	90	1.4%
67.9%	6,275	6,372	98	1.6%
69.1%	6,252	6,372	120	1.9%
70.4%	6,222	6,351	129	2.1%
71.6%	6,191	6,304	113	1.8%
72.8%	6,137	6,226	88	1.4%
74.1%	6,133	6,214	81	1.3%
75.3%	6,101	6,165	63	1.0%
76.5%	6,083	6,161	78	1.3%
77.8%	6,080	6,096	16	0.3%
79.0%	6,021	6,081	60	1.0%
80.2%	5,926	6,067	140	2.4%
81.5%	5,767	6,056	289	5.0%
82.7%	5,705	5,843	138	2.4%
84.0%	5,675	5,726	51	0.9%
85.2%	5,636	5,697	61	1.1%
86.4%	5,378	5,672	294	5.5%
87.7%	5,355	5,664	309	5.8%
88.9%	5,336	5,644	309	5.8%
90.1%	5,319	5,400	81	1.5%
91.4%	5,200	5,356	156	3.0%
92.6%	5,192	5,206	14	0.3%
93.8%	5,187	5,151	-36	-0.7%
95.1%	5,153	5,143	-9	-0.2%
96.3%	4,973	5,131	157	3.2%
97.5%	4,934	5,014	80	1.6%
98.8%	4,853	4,898	45	0.9%
100.0%	4,679	4,642	-37	-0.8%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,531	23,304	-227	-1.0%
1.2%	23,087	21,584	-1,504	-6.5%
2.5%	18,973	18,977	4	0.0%
3.7%	18,375	16,051	-2,324	-12.6%
4.9%	13,998	13,897	-101	-0.7%
6.2%	13,963	13,811	-152	-1.1%
7.4%	12,971	12,807	-164	-1.3%
8.6%	12,057	11,929	-128	-1.1%
9.9%	11,854	8,937	-2,917	-24.6%
11.1%	8,559	8,833	274	3.2%
12.3%	8,339	8,777	439	5.3%
13.6%	8,114	8,151	37	0.5%
14.8%	8,088	7,999	-89	-1.1%
16.0%	7,723	7,884	161	2.1%
17.3%	7,577	7,868	291	3.8%
18.5%	7,301	7,354	53	0.7%
19.8%	7,279	7,279	0	0.0%
21.0%	7,188	6,997	-191	-2.7%
22.2%	7,157	6,852	-304	-4.3%
23.5%	7,122	6,837	-285	-4.0%
24.7%	7,010	6,801	-208	-3.0%
25.9%	6,997	6,677	-320	-4.6%
27.2%	6,962	6,645	-317	-4.6%
28.4%	6,896	6,643	-253	-3.7%
29.6%	6,892	6,614	-278	-4.0%
30.9%	6,864	6,612	-251	-3.7%
32.1%	6,828	6,604	-224	-3.3%
33.3%	6,738	6,589	-149	-2.2%
34.6%	6,736	6,537	-199	-2.9%
35.8%	6,685	6,527	-158	-2.4%
37.0%	6,667	6,514	-154	-2.3%
38.3%	6,613	6,500	-113	-1.7%
39.5%	6,609	6,438	-171	-2.6%
40.7%	6,603	6,427	-177	-2.7%
42.0%	6,587	6,419	-168	-2.6%
43.2%	6,564	6,383	-182	-2.8%
44.4%	6,490	6,334	-156	-2.4%
45.7%	6,483	6,307	-176	-2.7%
46.9%	6,414	6,267	-147	-2.3%
48.1%	6,382	6,262	-120	-1.9%
49.4%	6,269	6,225	-43	-0.7%
50.6%	6,263	6,180	-83	-1.3%
51.9%	6,162	6,127	-35	-0.6%
53.1%	6,135	6,116	-19	-0.3%
54.3%	6,106	6,113	7	0.1%
55.6%	6,102	6,038	-64	-1.1%
56.8%	6,076	6,026	-50	-0.8%
58.0%	6,074	6,014	-59	-1.0%
59.3%	6,037	5,996	-41	-0.7%
60.5%	5,998	5,965	-33	-0.6%
61.7%	5,992	5,934	-58	-1.0%
63.0%	5,970	5,903	-67	-1.1%
64.2%	5,948	5,900	-48	-0.8%
65.4%	5,877	5,869	-8	-0.1%
66.7%	5,873	5,860	-13	-0.2%
67.9%	5,864	5,858	-7	-0.1%
69.1%	5,862	5,853	-9	-0.2%
70.4%	5,852	5,815	-37	-0.6%
71.6%	5,848	5,790	-57	-1.0%
72.8%	5,811	5,782	-30	-0.5%
74.1%	5,808	5,773	-35	-0.6%
75.3%	5,805	5,768	-37	-0.6%
76.5%	5,803	5,740	-63	-1.1%
77.8%	5,673	5,738	65	1.1%
79.0%	5,667	5,626	-41	-0.7%
80.2%	5,666	5,482	-184	-3.3%
81.5%	5,654	5,456	-198	-3.5%
82.7%	5,417	5,410	-7	-0.1%
84.0%	5,378	5,338	-40	-0.7%
85.2%	5,368	5,330	-38	-0.7%
86.4%	5,347	5,314	-34	-0.6%
87.7%	5,336	5,289	-47	-0.9%
88.9%	5,078	5,260	182	3.6%
90.1%	4,972	5,109	137	2.8%
91.4%	4,911	4,983	72	1.5%
92.6%	4,862	4,973	111	2.3%
93.8%	4,818	4,852	34	0.7%
95.1%	4,814	4,851	37	0.8%
96.3%	4,792	4,833	41	0.9%
97.5%	4,720	4,712	-8	-0.2%
98.8%	4,664	4,636	-28	-0.6%
100.0%	4,553	4,522	-31	-0.7%

Table SW-14-b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,013	17,820	807	4.7%
1.2%	11,191	11,753	562	5.0%
2.5%	10,600	11,416	817	7.7%
3.7%	10,069	10,936	867	8.6%
4.9%	9,986	10,831	845	8.5%
6.2%	9,897	10,770	873	8.8%
7.4%	9,870	10,595	725	7.3%
8.6%	9,797	10,309	511	5.2%
9.9%	9,746	10,302	557	5.7%
11.1%	9,575	10,252	677	7.1%
12.3%	9,407	10,148	742	7.9%
13.6%	9,246	10,054	808	8.7%
14.8%	9,187	10,019	832	9.1%
16.0%	9,084	9,983	898	9.9%
17.3%	9,064	9,910	845	9.3%
18.5%	9,009	9,895	886	9.8%
19.8%	8,999	9,784	784	8.7%
21.0%	8,988	9,664	677	7.5%
22.2%	8,805	9,435	630	7.2%
23.5%	8,781	9,359	579	6.6%
24.7%	8,745	9,323	578	6.6%
25.9%	8,666	9,292	626	7.2%
27.2%	8,614	9,251	637	7.4%
28.4%	8,525	9,248	723	8.5%
29.6%	8,514	9,216	702	8.2%
30.9%	8,494	9,108	614	7.2%
32.1%	8,442	9,081	639	7.6%
33.3%	8,400	9,005	605	7.2%
34.6%	8,395	8,947	552	6.6%
35.8%	8,393	8,927	534	6.4%
37.0%	8,341	8,906	564	6.8%
38.3%	8,191	8,877	686	8.4%
39.5%	8,108	8,664	556	6.9%
40.7%	8,064	8,628	563	7.0%
42.0%	8,037	8,581	544	6.8%
43.2%	7,823	8,565	742	9.5%
44.4%	7,782	8,559	777	10.0%
45.7%	7,761	8,551	790	10.2%
46.9%	7,751	8,520	769	9.9%
48.1%	7,726	8,497	771	10.0%
49.4%	7,698	8,467	768	10.0%
50.6%	7,674	8,395	721	9.4%
51.9%	7,669	8,365	695	9.1%
53.1%	7,646	8,306	660	8.6%
54.3%	7,566	8,283	717	9.5%
55.6%	7,527	8,280	753	10.0%
56.8%	7,523	8,249	726	9.7%
58.0%	7,498	8,193	695	9.3%
59.3%	7,480	8,142	662	8.9%
60.5%	7,445	8,091	645	8.7%
61.7%	7,441	8,044	603	8.1%
63.0%	7,428	8,041	613	8.2%
64.2%	7,410	7,849	439	5.9%
65.4%	7,377	7,806	429	5.8%
66.7%	7,343	7,676	333	4.5%
67.9%	7,296	7,652	357	4.9%
69.1%	7,282	7,648	366	5.0%
70.4%	7,276	7,614	338	4.6%
71.6%	7,274	7,472	197	2.7%
72.8%	7,219	7,438	218	3.0%
74.1%	7,160	7,321	161	2.3%
75.3%	7,151	7,314	162	2.3%
76.5%	7,139	7,278	139	1.9%
77.8%	7,139	7,161	22	0.3%
79.0%	6,834	7,110	276	4.0%
80.2%	6,829	7,093	263	3.9%
81.5%	6,737	7,072	335	5.0%
82.7%	6,705	7,026	320	4.8%
84.0%	6,699	7,012	313	4.7%
85.2%	6,697	7,010	313	4.7%
86.4%	6,679	7,003	323	4.8%
87.7%	6,642	6,988	346	5.2%
88.9%	6,619	6,866	247	3.7%
90.1%	6,608	6,812	204	3.1%
91.4%	6,573	6,803	230	3.5%
92.6%	6,327	6,770	443	7.0%
93.8%	6,280	6,696	416	6.6%
95.1%	5,711	6,630	919	16.1%
96.3%	5,665	6,625	959	16.9%
97.5%	5,428	6,616	1,188	21.9%
98.8%	5,426	6,600	1,174	21.6%
100.0%	5,313	6,545	1,232	23.2%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,903	17,139	5,236	44.0%
1.2%	11,577	17,120	5,543	47.9%
2.5%	11,419	13,822	2,404	21.0%
3.7%	11,261	13,634	2,373	21.1%
4.9%	11,174	13,427	2,253	20.2%
6.2%	11,174	13,259	2,085	18.7%
7.4%	11,070	13,063	1,993	18.0%
8.6%	10,907	12,965	2,058	18.9%
9.9%	10,876	12,950	2,074	19.1%
11.1%	10,862	12,928	2,066	19.0%
12.3%	10,810	12,867	2,057	19.0%
13.6%	10,730	12,860	2,131	19.9%
14.8%	10,686	12,800	2,114	19.8%
16.0%	10,663	12,769	2,106	19.8%
17.3%	10,601	12,715	2,114	19.9%
18.5%	10,583	12,679	2,095	19.8%
19.8%	10,565	12,482	1,917	18.1%
21.0%	10,532	12,398	1,866	17.7%
22.2%	10,493	12,373	1,881	17.9%
23.5%	10,478	12,216	1,739	16.6%
24.7%	10,459	12,199	1,740	16.6%
25.9%	10,445	12,183	1,738	16.6%
27.2%	10,444	12,048	1,604	15.4%
28.4%	10,425	12,042	1,616	15.5%
29.6%	10,408	12,023	1,614	15.5%
30.9%	10,404	11,964	1,560	15.0%
32.1%	10,404	11,939	1,535	14.8%
33.3%	10,395	11,848	1,453	14.0%
34.6%	10,392	11,801	1,409	13.6%
35.8%	10,369	11,725	1,356	13.1%
37.0%	10,344	11,703	1,359	13.1%
38.3%	10,337	11,700	1,362	13.2%
39.5%	10,306	11,522	1,216	11.8%
40.7%	10,260	11,384	1,124	11.0%
42.0%	10,251	11,293	1,043	10.2%
43.2%	10,222	11,258	1,036	10.1%
44.4%	10,211	11,243	1,032	10.1%
45.7%	10,169	11,207	1,039	10.2%
46.9%	10,153	11,105	952	9.4%
48.1%	10,135	10,956	822	8.1%
49.4%	10,123	10,863	740	7.3%
50.6%	10,085	10,759	674	6.7%
51.9%	10,042	10,688	646	6.4%
53.1%	10,032	10,668	636	6.3%
54.3%	9,998	10,605	607	6.1%
55.6%	9,949	10,593	644	6.5%
56.8%	9,911	10,586	675	6.8%
58.0%	9,871	10,586	714	7.2%
59.3%	9,808	10,569	761	7.8%
60.5%	9,782	10,482	701	7.2%
61.7%	9,754	10,470	716	7.3%
63.0%	9,742	10,434	691	7.1%
64.2%	9,675	10,332	657	6.8%
65.4%	9,535	10,274	739	7.7%
66.7%	9,516	10,259	743	7.8%
67.9%	9,479	10,129	651	6.9%
69.1%	9,356	10,046	690	7.4%
70.4%	9,236	9,898	662	7.2%
71.6%	9,218	9,832	614	6.7%
72.8%	9,138	9,739	601	6.6%
74.1%	9,118	9,668	550	6.0%
75.3%	9,019	9,592	573	6.4%
76.5%	8,871	9,461	590	6.7%
77.8%	8,867	9,367	500	5.6%
79.0%	8,772	9,017	245	2.8%
80.2%	8,746	8,945	199	2.3%
81.5%	8,601	8,931	330	3.8%
82.7%	8,488	8,863	375	4.4%
84.0%	8,416	8,815	399	4.7%
85.2%	8,292	8,795	503	6.1%
86.4%	8,098	8,657	559	6.9%
87.7%	8,080	8,612	532	6.6%
88.9%	7,668	8,453	785	10.2%
90.1%	7,574	8,398	824	10.9%
91.4%	7,546	8,377	831	11.0%
92.6%	7,496	8,324	828	11.0%
93.8%	7,415	8,159	744	10.0%
95.1%	7,396	8,002	606	8.2%
96.3%	7,164	7,914	750	10.5%
97.5%	7,049	7,685	636	9.0%
98.8%	6,760	7,144	384	5.7%
100.0%	5,834	7,031	1,197	20.5%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,843	11,726	883	8.1%
1.2%	10,294	10,553	259	2.5%
2.5%	9,847	10,399	551	5.6%
3.7%	9,363	10,343	980	10.5%
4.9%	9,010	10,317	1,307	14.5%
6.2%	9,001	9,884	882	9.8%
7.4%	8,943	9,833	890	10.0%
8.6%	8,799	9,767	969	11.0%
9.9%	8,720	9,437	718	8.2%
11.1%	8,717	9,316	599	6.9%
12.3%	8,431	8,999	568	6.7%
13.6%	8,299	8,971	672	8.1%
14.8%	8,224	8,938	714	8.7%
16.0%	8,107	8,937	830	10.2%
17.3%	8,068	8,689	621	7.7%
18.5%	7,970	8,648	678	8.5%
19.8%	7,755	8,610	855	11.0%
21.0%	7,683	8,604	921	12.0%
22.2%	7,658	8,600	942	12.3%
23.5%	7,642	8,454	811	10.6%
24.7%	7,623	8,433	810	10.6%
25.9%	7,611	8,184	573	7.5%
27.2%	7,560	8,089	529	7.0%
28.4%	7,549	8,088	539	7.1%
29.6%	7,427	7,973	546	7.4%
30.9%	7,303	7,894	591	8.1%
32.1%	7,231	7,893	662	9.2%
33.3%	7,225	7,799	573	7.9%
34.6%	7,193	7,783	590	8.2%
35.8%	7,000	7,779	779	11.1%
37.0%	6,992	7,757	765	10.9%
38.3%	6,985	7,708	723	10.4%
39.5%	6,814	7,603	790	11.6%
40.7%	6,716	7,597	881	13.1%
42.0%	6,672	7,591	919	13.8%
43.2%	6,659	7,547	888	13.3%
44.4%	6,642	7,515	874	13.2%
45.7%	6,634	7,482	848	12.8%
46.9%	6,612	7,464	852	12.9%
48.1%	6,579	7,456	878	13.3%
49.4%	6,565	7,426	861	13.1%
50.6%	6,547	7,413	866	13.2%
51.9%	6,547	7,349	803	12.3%
53.1%	6,542	7,275	733	11.2%
54.3%	6,538	7,235	697	10.7%
55.6%	6,531	7,230	699	10.7%
56.8%	6,509	7,221	712	10.9%
58.0%	6,485	7,206	720	11.1%
59.3%	6,453	7,185	732	11.3%
60.5%	6,409	7,179	770	12.0%
61.7%	6,270	7,058	787	12.6%
63.0%	6,246	6,987	741	11.9%
64.2%	6,196	6,966	770	12.4%
65.4%	6,176	6,954	778	12.6%
66.7%	6,146	6,924	777	12.6%
67.9%	6,144	6,890	747	12.2%
69.1%	6,142	6,886	745	12.1%
70.4%	6,140	6,886	746	12.1%
71.6%	6,136	6,835	699	11.4%
72.8%	6,124	6,716	593	9.7%
74.1%	6,107	6,692	584	9.6%
75.3%	6,105	6,672	567	9.3%
76.5%	6,099	6,658	558	9.2%
77.8%	6,083	6,655	572	9.4%
79.0%	5,994	6,643	648	10.8%
80.2%	5,974	6,639	665	11.1%
81.5%	5,937	6,635	699	11.8%
82.7%	5,925	6,634	709	12.0%
84.0%	5,903	6,616	713	12.1%
85.2%	5,878	6,616	737	12.5%
86.4%	5,829	6,591	762	13.1%
87.7%	5,751	6,562	811	14.1%
88.9%	5,732	6,551	819	14.3%
90.1%	5,718	6,550	831	14.5%
91.4%	5,669	6,549	881	15.5%
92.6%	5,616	6,540	924	16.4%
93.8%	5,595	6,526	931	16.6%
95.1%	5,563	6,523	960	17.3%
96.3%	5,142	6,521	1,379	26.8%
97.5%	5,058	6,458	1,399	27.7%
98.8%	4,871	6,442	1,572	32.3%
100.0%	4,796	6,187	1,390	29.0%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,382	15,541	159	1.0%
1.2%	15,311	15,318	7	0.0%
2.5%	15,305	15,299	-6	0.0%
3.7%	15,278	15,288	9	0.1%
4.9%	15,250	15,269	20	0.1%
6.2%	15,228	15,268	40	0.3%
7.4%	15,224	15,257	32	0.2%
8.6%	15,133	15,211	79	0.5%
9.9%	14,825	15,121	296	2.0%
11.1%	14,741	14,934	193	1.3%
12.3%	14,713	14,845	132	0.9%
13.6%	13,832	14,739	907	6.6%
14.8%	13,353	14,310	957	7.2%
16.0%	13,144	14,166	1,022	7.8%
17.3%	13,142	13,800	658	5.0%
18.5%	12,945	13,550	605	4.7%
19.8%	12,321	13,367	1,046	8.5%
21.0%	11,779	13,190	1,411	12.0%
22.2%	11,737	12,765	1,028	8.8%
23.5%	11,513	11,834	322	2.8%
24.7%	11,392	11,572	180	1.6%
25.9%	11,266	11,478	212	1.9%
27.2%	11,246	11,369	123	1.1%
28.4%	11,054	11,259	205	1.9%
29.6%	11,017	11,183	165	1.5%
30.9%	10,969	11,076	107	1.0%
32.1%	10,808	10,875	67	0.6%
33.3%	9,812	10,262	450	4.6%
34.6%	9,390	9,778	388	4.1%
35.8%	9,056	9,762	706	7.8%
37.0%	8,989	9,380	391	4.3%
38.3%	8,846	9,349	503	5.7%
39.5%	8,619	9,299	680	7.9%
40.7%	8,617	9,122	505	5.9%
42.0%	7,597	8,966	1,369	18.0%
43.2%	7,416	8,949	1,533	20.7%
44.4%	7,092	8,448	1,356	19.1%
45.7%	7,071	8,147	1,077	15.2%
46.9%	7,068	8,050	983	13.9%
48.1%	7,032	8,001	969	13.8%
49.4%	7,019	7,757	738	10.5%
50.6%	6,946	7,722	776	11.2%
51.9%	6,746	7,711	965	14.3%
53.1%	6,720	7,534	814	12.1%
54.3%	6,662	7,533	871	13.1%
55.6%	6,375	7,530	1,155	18.1%
56.8%	6,315	7,496	1,181	18.7%
58.0%	6,219	7,467	1,248	20.1%
59.3%	5,884	7,441	1,557	26.5%
60.5%	5,872	7,407	1,535	26.2%
61.7%	5,730	7,223	1,493	26.1%
63.0%	5,712	7,166	1,453	25.4%
64.2%	5,673	7,108	1,435	25.3%
65.4%	5,630	7,032	1,402	24.9%
66.7%	5,574	7,005	1,431	25.7%
67.9%	5,409	6,973	1,564	28.9%
69.1%	5,314	6,891	1,577	29.7%
70.4%	5,272	6,853	1,581	30.0%
71.6%	5,267	6,791	1,524	28.9%
72.8%	5,175	6,742	1,567	30.3%
74.1%	5,115	6,633	1,518	29.7%
75.3%	5,114	6,576	1,462	28.6%
76.5%	4,982	6,541	1,559	31.3%
77.8%	4,910	6,540	1,630	33.2%
79.0%	4,908	6,492	1,585	32.3%
80.2%	4,876	6,467	1,591	32.6%
81.5%	4,727	6,431	1,704	36.0%
82.7%	4,688	6,383	1,695	36.2%
84.0%	4,620	6,374	1,754	38.0%
85.2%	4,614	6,321	1,707	37.0%
86.4%	4,495	6,253	1,758	39.1%
87.7%	4,449	6,243	1,794	40.3%
88.9%	4,399	5,935	1,536	34.9%
90.1%	4,386	5,843	1,457	33.2%
91.4%	4,321	5,714	1,393	32.2%
92.6%	4,276	5,518	1,241	29.0%
93.8%	4,261	5,404	1,142	26.8%
95.1%	4,081	5,400	1,319	32.3%
96.3%	3,999	5,359	1,361	34.0%
97.5%	3,870	5,358	1,488	38.5%
98.8%	3,867	4,907	1,040	26.9%
100.0%	3,580	4,694	1,113	31.1%

Figure SW-15-b
Sacramento River at Wilken Slough, Monthly Flow
Probability of Exceedance

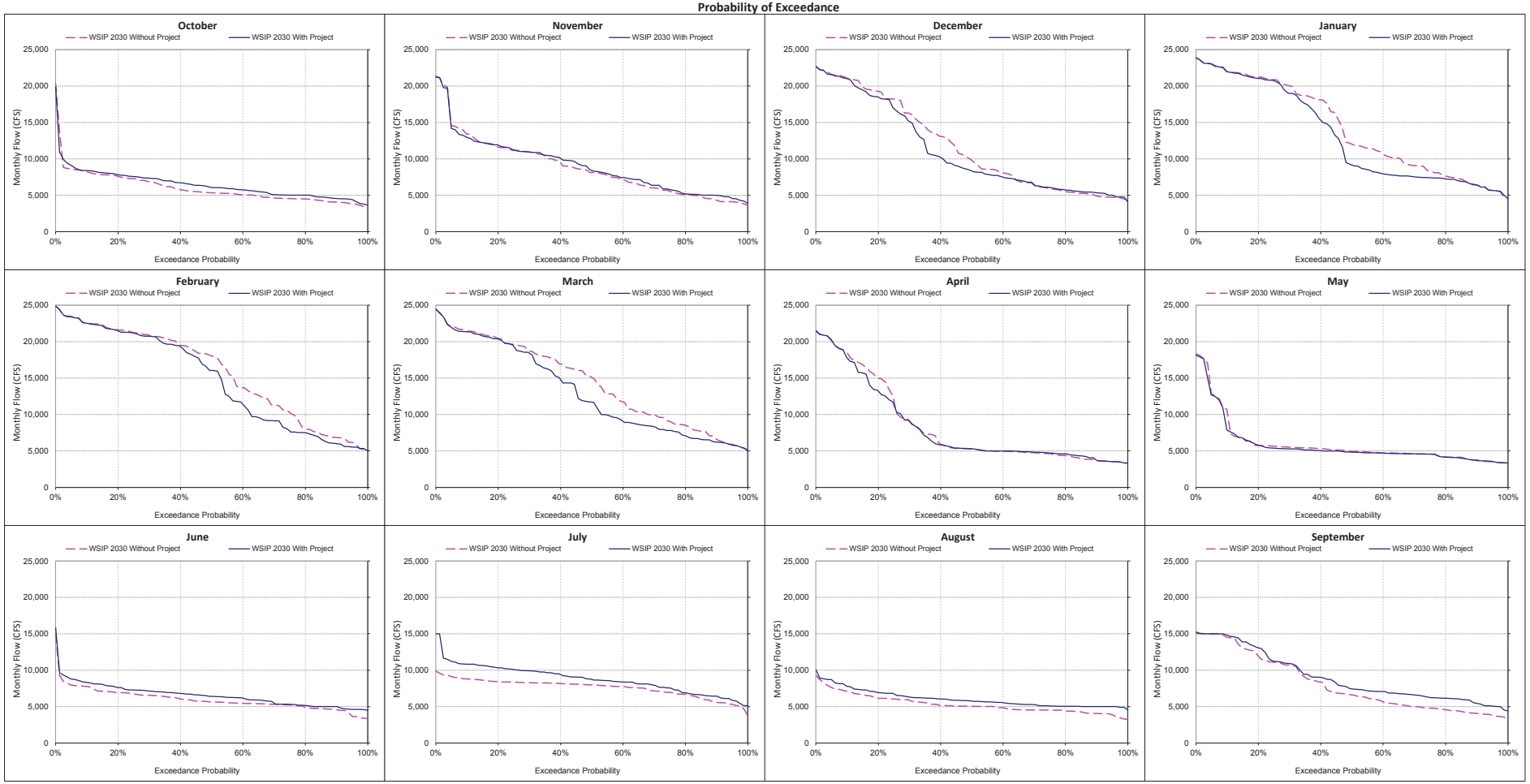


Table SW-15-b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,327	19,905	-421	-2.1%
1.2%	13,897	10,940	-2,957	-21.3%
2.5%	8,816	9,908	1,092	12.4%
3.7%	8,680	9,436	756	8.7%
4.9%	8,631	9,116	485	5.6%
6.2%	8,502	8,752	250	2.9%
7.4%	8,491	8,518	26	0.3%
8.6%	8,381	8,416	35	0.4%
9.9%	8,264	8,396	132	1.6%
11.1%	8,079	8,383	305	3.8%
12.3%	7,950	8,291	341	4.3%
13.6%	7,892	8,169	277	3.5%
14.8%	7,821	8,130	309	4.0%
16.0%	7,811	8,051	240	3.1%
17.3%	7,803	8,003	200	2.6%
18.5%	7,759	7,966	207	2.7%
19.8%	7,637	7,835	197	2.6%
21.0%	7,477	7,767	290	3.9%
22.2%	7,431	7,710	280	3.8%
23.5%	7,309	7,622	313	4.3%
24.7%	7,278	7,573	296	4.1%
25.9%	7,260	7,560	300	4.1%
27.2%	7,050	7,480	430	6.1%
28.4%	7,038	7,379	341	4.8%
29.6%	6,870	7,358	488	7.1%
30.9%	6,870	7,292	422	6.1%
32.1%	6,680	7,280	600	9.0%
33.3%	6,502	7,181	678	10.4%
34.6%	6,281	7,016	734	11.7%
35.8%	6,178	6,991	813	13.2%
37.0%	6,172	6,970	798	12.9%
38.3%	5,901	6,776	875	14.8%
39.5%	5,794	6,713	919	15.9%
40.7%	5,724	6,683	958	16.7%
42.0%	5,609	6,577	968	17.3%
43.2%	5,532	6,527	995	18.0%
44.4%	5,507	6,386	879	16.0%
45.7%	5,483	6,351	868	15.8%
46.9%	5,420	6,325	905	16.7%
48.1%	5,381	6,267	886	16.5%
49.4%	5,347	6,122	775	14.5%
50.6%	5,328	6,048	720	13.5%
51.9%	5,284	6,047	763	14.4%
53.1%	5,270	6,037	767	14.5%
54.3%	5,267	5,961	694	13.2%
55.6%	5,255	5,906	651	12.4%
56.8%	5,241	5,906	664	12.7%
58.0%	5,135	5,789	653	12.7%
59.3%	5,083	5,750	667	13.1%
60.5%	5,050	5,740	690	13.7%
61.7%	5,033	5,666	633	12.6%
63.0%	5,030	5,604	574	11.4%
64.2%	4,957	5,553	597	12.0%
65.4%	4,865	5,480	614	12.6%
66.7%	4,718	5,441	723	15.3%
67.9%	4,715	5,326	611	13.0%
69.1%	4,649	5,136	487	10.5%
70.4%	4,613	5,072	459	9.9%
71.6%	4,588	5,040	452	9.8%
72.8%	4,574	5,036	461	10.1%
74.1%	4,562	5,000	438	9.6%
75.3%	4,544	5,000	456	10.0%
76.5%	4,513	5,000	487	10.8%
77.8%	4,512	5,000	488	10.8%
79.0%	4,507	5,000	493	10.9%
80.2%	4,471	5,000	529	11.8%
81.5%	4,461	4,997	536	12.0%
82.7%	4,423	4,871	448	10.1%
84.0%	4,315	4,774	459	10.6%
85.2%	4,294	4,757	464	10.8%
86.4%	4,111	4,712	601	14.6%
87.7%	4,091	4,672	581	14.2%
88.9%	4,078	4,577	500	12.3%
90.1%	4,050	4,537	487	12.0%
91.4%	4,017	4,516	499	12.4%
92.6%	3,988	4,507	519	13.0%
93.8%	3,909	4,464	555	14.2%
95.1%	3,795	4,409	614	16.2%
96.3%	3,769	4,109	339	9.0%
97.5%	3,625	3,883	258	7.1%
98.8%	3,437	3,760	322	9.4%
100.0%	3,254	3,658	404	12.4%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,401	21,213	-189	-0.9%
1.2%	21,119	21,157	38	0.2%
2.5%	20,126	19,796	-329	-1.6%
3.7%	19,877	19,715	-162	-0.8%
4.9%	14,552	14,198	-355	-2.4%
6.2%	14,478	13,996	-482	-3.3%
7.4%	14,145	13,347	-798	-5.6%
8.6%	13,998	13,263	-736	-5.3%
9.9%	13,392	12,982	-410	-3.1%
11.1%	13,382	12,800	-582	-4.3%
12.3%	12,833	12,437	-396	-3.1%
13.6%	12,432	12,326	-106	-0.9%
14.8%	12,160	12,220	60	0.5%
16.0%	12,120	12,196	77	0.6%
17.3%	12,111	12,012	-99	-0.8%
18.5%	12,010	11,944	-66	-0.6%
19.8%	11,633	11,932	299	2.6%
21.0%	11,554	11,686	132	1.1%
22.2%	11,549	11,601	51	0.4%
23.5%	11,369	11,533	164	1.4%
24.7%	11,166	11,263	97	0.9%
25.9%	11,160	11,129	-31	-0.3%
27.2%	11,142	11,008	-134	-1.2%
28.4%	11,009	11,008	-1	0.0%
29.6%	10,949	10,974	24	0.2%
30.9%	10,890	10,900	10	0.1%
32.1%	10,758	10,872	115	1.1%
33.3%	10,618	10,865	247	2.3%
34.6%	10,560	10,519	-41	-0.4%
35.8%	10,024	10,464	440	4.4%
37.0%	10,015	10,446	431	4.3%
38.3%	9,802	10,263	461	4.7%
39.5%	9,765	10,234	470	4.8%
40.7%	9,013	9,820	807	9.0%
42.0%	8,991	9,779	788	8.8%
43.2%	8,963	9,764	801	8.9%
44.4%	8,740	9,664	924	10.6%
45.7%	8,631	9,292	661	7.7%
46.9%	8,561	9,082	521	6.1%
48.1%	8,498	9,061	563	6.6%
49.4%	8,133	8,502	368	4.5%
50.6%	8,119	8,312	193	2.4%
51.9%	8,111	8,263	152	1.9%
53.1%	7,968	8,162	193	2.4%
54.3%	7,865	8,040	175	2.2%
55.6%	7,527	7,901	374	5.0%
56.8%	7,463	7,697	235	3.1%
58.0%	7,430	7,663	234	3.1%
59.3%	7,216	7,429	213	3.0%
60.5%	7,126	7,425	299	4.2%
61.7%	6,796	7,286	490	7.2%
63.0%	6,728	7,213	485	7.2%
64.2%	6,653	7,150	497	7.5%
65.4%	6,404	7,147	743	11.6%
66.7%	6,316	6,754	438	6.9%
67.9%	6,064	6,693	629	10.4%
69.1%	6,015	6,378	363	6.0%
70.4%	5,996	6,361	365	6.1%
71.6%	5,914	6,360	446	7.5%
72.8%	5,698	5,880	182	3.2%
74.1%	5,691	5,876	185	3.2%
75.3%	5,510	5,774	264	4.8%
76.5%	5,377	5,661	284	5.3%
77.8%	5,221	5,558	337	6.5%
79.0%	5,119	5,254	135	2.6%
80.2%	5,064	5,183	118	2.3%
81.5%	5,047	5,144	96	1.9%
82.7%	4,985	5,115	130	2.6%
84.0%	4,934	5,106	171	3.5%
85.2%	4,772	5,000	228	4.8%
86.4%	4,570	5,000	430	9.4%
87.7%	4,529	5,000	471	10.4%
88.9%	4,520	4,997	478	10.6%
90.1%	4,286	4,985	700	16.3%
91.4%	4,131	4,929	798	19.3%
92.6%	4,122	4,784	662	16.1%
93.8%	4,119	4,781	662	16.1%
95.1%	4,113	4,551	438	10.6%
96.3%	4,050	4,518	468	11.6%
97.5%	4,010	4,298	288	7.2%
98.8%	3,794	4,182	389	10.2%
100.0%	3,613	3,878	265	7.3%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,689	22,704	15	0.1%
1.2%	22,252	22,238	-13	-0.1%
2.5%	22,188	22,135	-53	-0.2%
3.7%	21,903	21,634	-269	-1.2%
4.9%	21,572	21,600	28	0.1%
6.2%	21,503	21,394	-109	-0.5%
7.4%	21,495	21,357	-138	-0.6%
8.6%	21,326	21,151	-175	-0.8%
9.9%	21,097	21,022	-75	-0.4%
11.1%	20,946	20,865	-81	-0.4%
12.3%	20,849	20,072	-777	-3.7%
13.6%	20,763	19,756	-1,007	-4.8%
14.8%	19,917	19,489	-427	-2.1%
16.0%	19,578	19,201	-376	-1.9%
17.3%	19,499	18,696	-803	-4.1%
18.5%	19,349	18,558	-791	-4.1%
19.8%	19,297	18,546	-750	-3.9%
21.0%	19,139	18,256	-884	-4.6%
22.2%	18,259	18,216	-43	-0.2%
23.5%	18,251	18,129	-122	-0.7%
24.7%	18,228	17,050	-1,177	-6.5%
25.9%	18,210	16,570	-1,640	-9.0%
27.2%	18,018	16,144	-1,874	-10.4%
28.4%	16,303	15,945	-358	-2.2%
29.6%	16,291	15,203	-1,088	-6.7%
30.9%	16,049	14,909	-1,141	-7.1%
32.1%	15,410	13,723	-1,686	-10.9%
33.3%	15,000	13,021	-1,979	-13.2%
34.6%	14,712	12,694	-2,018	-13.7%
35.8%	14,024	10,765	-3,258	-23.2%
37.0%	13,660	10,573	-3,087	-22.6%
38.3%	13,516	10,472	-3,044	-22.5%
39.5%	13,143	10,322	-2,821	-21.5%
40.7%	13,042	9,996	-3,046	-23.4%
42.0%	12,845	9,449	-3,396	-26.4%
43.2%	12,298	9,395	-2,902	-23.6%
44.4%	11,838	9,097	-2,740	-23.1%
45.7%	10,766	8,988	-1,778	-16.5%
46.9%	10,623	8,759	-1,865	-17.6%
48.1%	10,280	8,601	-1,679	-16.3%
49.4%	9,980	8,450	-1,531	-15.3%
50.6%	9,553	8,215	-1,338	-14.0%
51.9%	9,122	8,140	-982	-10.8%
53.1%	8,608	8,137	-471	-5.5%
54.3%	8,582	7,894	-689	-8.0%
55.6%	8,563	7,848	-715	-8.4%
56.8%	8,554	7,715	-839	-9.8%
58.0%	8,411	7,714	-697	-8.3%
59.3%	8,066	7,565	-501	-6.2%
60.5%	8,040	7,407	-634	-7.9%
61.7%	7,932	7,314	-619	-7.8%
63.0%	7,700	7,301	-399	-5.2%
64.2%	7,061	7,124	63	0.9%
65.4%	6,831	7,031	200	2.9%
66.7%	6,782	6,921	139	2.1%
67.9%	6,726	6,805	79	1.2%
69.1%	6,712	6,792	80	1.2%
70.4%	6,204	6,285	81	1.3%
71.6%	6,172	6,246	74	1.2%
72.8%	6,087	6,131	43	0.7%
74.1%	6,010	6,121	111	1.9%
75.3%	5,833	6,031	198	3.4%
76.5%	5,801	5,938	136	2.3%
77.8%	5,751	5,848	97	1.7%
79.0%	5,606	5,800	194	3.5%
80.2%	5,470	5,707	237	4.3%
81.5%	5,442	5,689	247	4.5%
82.7%	5,384	5,591	207	3.9%
84.0%	5,269	5,543	274	5.2%
85.2%	5,264	5,485	220	4.2%
86.4%	5,254	5,443	189	3.6%
87.7%	5,182	5,426	244	4.7%
88.9%	5,106	5,421	315	6.2%
90.1%	4,864	5,331	466	9.6%
91.4%	4,796	5,291	494	10.3%
92.6%	4,763	5,257	494	10.4%
93.8%	4,730	5,000	270	5.7%
95.1%	4,728	5,000	272	5.7%
96.3%	4,684	4,767	83	1.8%
97.5%	4,671	4,750	79	1.7%
98.8%	4,496	4,748	252	5.6%
100.0%	4,267	4,092	-174	-4.1%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,870	23,905	35	0.1%
1.2%	23,606	23,601	-5	0.0%
2.5%	23,200	23,130	-70	-0.3%
3.7%	23,162	23,089	-73	-0.3%
4.9%	23,060	23,027	-32	-0.1%
6.2%	22,809	22,693	-116	-0.5%
7.4%	22,617	22,644	27	0.1%
8.6%	22,611	22,536	-74	-0.3%
9.9%	21,987	21,963	-23	-0.1%
11.1%	21,895	21,891	-4	0.0%
12.3%	21,867	21,794	-73	-0.3%
13.6%	21,815	21,751	-65	-0.3%
14.8%	21,678	21,542	-136	-0.6%
16.0%	21,626	21,388	-238	-1.1%
17.3%	21,359	21,250	-108	-0.5%
18.5%	21,269	21,126	-143	-0.7%
19.8%	21,237	21,053	-184	-0.9%
21.0%	21,234	21,023	-211	-1.0%
22.2%	21,045	20,854	-192	-0.9%
23.5%	20,965	20,816	-148	-0.7%
24.7%	20,877	20,770	-107	-0.5%
25.9%	20,832	20,563	-269	-1.3%
27.2%	20,323	20,210	-113	-0.6%
28.4%	20,209	19,426	-783	-3.9%
29.6%	20,061	18,996	-1,065	-5.3%
30.9%	19,942	18,983	-960	-4.8%
32.1%	18,954	18,754	-200	-1.1%
33.3%	18,749	18,081	-668	-3.6%
34.6%	18,708	17,666	-1,042	-5.6%
35.8%	18,647	17,423	-1,223	-6.6%
37.0%	18,436	16,894	-1,542	-8.4%
38.3%	18,211	16,317	-1,894	-10.4%
39.5%	18,106	15,495	-2,611	-14.4%
40.7%	18,069	15,000	-3,069	-17.0%
42.0%	17,623	14,813	-2,810	-15.9%
43.2%	16,484	14,347	-2,137	-13.0%
44.4%	16,379	13,296	-3,083	-18.8%
45.7%	15,357	12,791	-2,565	-16.7%
46.9%	14,288	11,628	-2,660	-18.6%
48.1%	12,280	9,490	-2,789	-22.7%
49.4%	12,141	9,256	-2,884	-23.8%
50.6%	11,900	9,041	-2,859	-24.0%
51.9%	11,780	9,016	-2,764	-23.5%
53.1%	11,741	8,691	-3,050	-26.0%
54.3%	11,519	8,568	-2,950	-25.6%
55.6%	11,439	8,465	-2,973	-26.0%
56.8%	11,365	8,237	-3,128	-27.5%
58.0%	11,105	8,145	-2,960	-26.7%
59.3%	10,973	8,017	-2,956	-26.9%
60.5%	10,497	7,886	-2,611	-24.9%
61.7%	10,293	7,819	-2,474	-24.0%
63.0%	10,157	7,773	-2,384	-23.5%
64.2%	10,141	7,729	-2,411	-23.8%
65.4%	10,048	7,665	-2,383	-23.7%
66.7%	9,379	7,662	-1,717	-18.3%
67.9%	9,221	7,643	-1,578	-17.1%
69.1%	9,095	7,598	-1,497	-16.5%
70.4%	9,091	7,504	-1,587	-17.5%
71.6%	9,018	7,458	-1,560	-17.3%
72.8%	9,003	7,452	-1,551	-17.2%
74.1%	8,423	7,429	-994	-11.8%
75.3%	8,267	7,392	-875	-10.6%
76.5%	8,100	7,377	-723	-8.9%
77.8%	8,095	7,365	-731	-9.0%
79.0%	7,809	7,329	-480	-6.1%
80.2%	7,606	7,230	-377	-5.0%
81.5%	7,486	7,201	-285	-3.8%
82.7%	7,419	7,176	-243	-3.3%
84.0%	7,275	7,016	-259	-3.6%
85.2%	7,216	6,917	-299	-4.1%
86.4%	6,897	6,855	-42	-0.6%
87.7%	6,676	6,605	-71	-1.1%
88.9%	6,519	6,430	-89	-1.4%
90.1%	6,407	6,413	6	0.1%
91.4%	6,190	6,133	-58	-0.9%
92.6%	6,172	6,120	-52	-0.8%
93.8%	5,705	5,701	-5	-0.1%
95.1%	5,704	5,645	-59	-1.0%
96.3%	5,590	5,634	43	0.8%
97.5%	5,524	5,550	27	0.5%
98.8%	4,677	5,000	323	6.9%
100.0%	4,647	4,534	-112	-2.4%

Table SW-15-b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,933	24,869	-64	-0.3%
1.2%	24,423	24,383	-40	-0.2%
2.5%	23,600	23,652	52	0.2%
3.7%	23,523	23,422	-101	-0.4%
4.9%	23,500	23,379	-121	-0.5%
6.2%	23,296	23,301	5	0.0%
7.4%	23,223	23,219	-4	0.0%
8.6%	22,671	22,601	-70	-0.3%
9.9%	22,534	22,541	7	0.0%
11.1%	22,490	22,424	-66	-0.3%
12.3%	22,442	22,357	-85	-0.4%
13.6%	22,430	22,276	-153	-0.7%
14.8%	22,341	22,225	-115	-0.5%
16.0%	21,989	21,830	-160	-0.7%
17.3%	21,797	21,750	-47	-0.2%
18.5%	21,685	21,686	1	0.0%
19.8%	21,628	21,541	-87	-0.4%
21.0%	21,598	21,298	-301	-1.4%
22.2%	21,491	21,286	-205	-1.0%
23.5%	21,438	21,283	-156	-0.7%
24.7%	21,257	21,209	-48	-0.2%
25.9%	21,193	21,073	-120	-0.6%
27.2%	21,112	20,868	-243	-1.2%
28.4%	20,992	20,761	-231	-1.1%
29.6%	20,936	20,753	-184	-0.9%
30.9%	20,748	20,707	-41	-0.2%
32.1%	20,722	20,662	-60	-0.3%
33.3%	20,662	20,150	-512	-2.5%
34.6%	20,535	19,795	-741	-3.6%
35.8%	20,419	19,643	-777	-3.8%
37.0%	20,174	19,634	-540	-2.7%
38.3%	20,115	19,519	-597	-3.0%
39.5%	19,547	19,440	-107	-0.5%
40.7%	19,460	19,075	-385	-2.0%
42.0%	19,391	18,497	-893	-4.6%
43.2%	19,104	18,308	-796	-4.2%
44.4%	18,787	17,999	-787	-4.2%
45.7%	18,413	17,768	-644	-3.5%
46.9%	18,358	16,939	-1,419	-7.7%
48.1%	18,347	16,634	-1,713	-9.3%
49.4%	18,133	16,056	-2,076	-11.5%
50.6%	17,937	16,052	-1,885	-10.5%
51.9%	17,757	15,936	-1,822	-10.3%
53.1%	16,944	14,823	-2,121	-12.5%
54.3%	16,461	12,780	-3,680	-22.4%
55.6%	15,526	12,524	-3,002	-19.3%
56.8%	15,218	11,881	-3,337	-21.9%
58.0%	13,871	11,823	-2,049	-14.8%
59.3%	13,693	11,740	-1,952	-14.3%
60.5%	13,662	11,154	-2,508	-18.4%
61.7%	13,241	10,571	-2,669	-20.2%
63.0%	12,891	9,713	-3,177	-24.6%
64.2%	12,775	9,700	-3,075	-24.1%
65.4%	12,555	9,537	-3,018	-24.0%
66.7%	12,230	9,241	-2,989	-24.4%
67.9%	12,161	9,180	-2,980	-24.5%
69.1%	11,329	9,168	-2,161	-19.1%
70.4%	11,317	9,129	-2,187	-19.3%
71.6%	11,196	9,120	-2,076	-18.5%
72.8%	10,622	8,242	-2,381	-22.4%
74.1%	10,615	8,052	-2,563	-24.1%
75.3%	10,154	7,611	-2,542	-25.0%
76.5%	9,894	7,608	-2,285	-23.1%
77.8%	9,189	7,544	-1,644	-17.9%
79.0%	8,248	7,536	-712	-8.6%
80.2%	8,014	7,482	-532	-6.6%
81.5%	7,941	7,298	-643	-8.1%
82.7%	7,656	7,135	-521	-6.8%
84.0%	7,553	6,991	-562	-7.4%
85.2%	7,282	6,594	-688	-9.4%
86.4%	7,118	6,323	-796	-11.2%
87.7%	7,069	6,097	-972	-13.8%
88.9%	6,876	6,052	-824	-12.0%
90.1%	6,847	5,976	-871	-12.7%
91.4%	6,825	5,933	-892	-13.1%
92.6%	6,665	5,606	-1,058	-15.9%
93.8%	6,191	5,600	-591	-9.5%
95.1%	6,181	5,546	-635	-10.3%
96.3%	5,895	5,523	-372	-6.3%
97.5%	5,270	5,366	96	1.8%
98.8%	5,264	5,314	50	1.0%
100.0%	4,732	5,033	300	6.3%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,451	24,452	1	0.0%
1.2%	24,014	23,936	-77	-0.3%
2.5%	23,409	23,400	-9	0.0%
3.7%	22,389	22,399	10	0.0%
4.9%	22,053	21,979	-74	-0.3%
6.2%	21,981	21,629	-353	-1.6%
7.4%	21,729	21,418	-311	-1.4%
8.6%	21,672	21,383	-289	-1.3%
9.9%	21,429	21,371	-58	-0.3%
11.1%	21,428	21,359	-69	-0.3%
12.3%	21,355	21,083	-273	-1.3%
13.6%	21,122	21,029	-93	-0.4%
14.8%	21,052	20,798	-255	-1.2%
16.0%	20,850	20,687	-163	-0.8%
17.3%	20,794	20,624	-170	-0.8%
18.5%	20,720	20,397	-323	-1.6%
19.8%	20,486	20,396	-90	-0.4%
21.0%	20,367	20,185	-182	-0.9%
22.2%	19,758	19,765	6	0.0%
23.5%	19,726	19,726	0	0.0%
24.7%	19,632	19,554	-78	-0.4%
25.9%	19,555	18,808	-747	-3.8%
27.2%	19,424	18,704	-720	-3.7%
28.4%	19,339	18,533	-805	-4.2%
29.6%	18,767	18,529	-238	-1.3%
30.9%	18,661	18,200	-462	-2.5%
32.1%	18,300	16,991	-1,309	-7.2%
33.3%	18,117	16,722	-1,395	-7.7%
34.6%	17,987	16,393	-1,594	-8.9%
35.8%	17,935	16,273	-1,662	-9.3%
37.0%	17,712	16,012	-1,699	-9.6%
38.3%	17,540	15,300	-2,240	-12.8%
39.5%	16,973	15,089	-1,884	-11.1%
40.7%	16,877	14,348	-2,529	-15.0%
42.0%	16,438	14,330	-2,108	-12.8%
43.2%	16,357	14,325	-2,032	-12.4%
44.4%	16,224	14,146	-2,078	-12.8%
45.7%	16,040	12,208	-3,832	-23.9%
46.9%	16,029	11,925	-4,104	-25.6%
48.1%	15,338	11,807	-3,531	-23.0%
49.4%	15,227	11,736	-3,491	-22.9%
50.6%	14,962	11,678	-3,285	-22.0%
51.9%	14,204	10,807	-3,397	-23.9%
53.1%	13,747	9,986	-3,761	-27.4%
54.3%	12,868	9,983	-2,885	-22.4%
55.6%	12,832	9,829	-3,003	-23.4%
56.8%	12,809	9,642	-3,167	-24.7%
58.0%	12,150	9,570	-2,580	-21.2%
59.3%	11,828	9,321	-2,508	-21.2%
60.5%	11,657	8,934	-2,723	-23.4%
61.7%	10,795	8,926	-1,869	-17.3%
63.0%	10,692	8,807	-1,885	-17.6%
64.2%	10,415	8,709	-1,706	-16.4%
65.4%	10,354	8,592	-1,761	-17.0%
66.7%	10,298	8,526	-1,772	-17.2%
67.9%	10,015	8,458	-1,557	-15.5%
69.1%	9,921	8,422	-1,499	-15.1%
70.4%	9,891	8,275	-1,616	-16.3%
71.6%	9,622	7,958	-1,664	-17.3%
72.8%	9,582	7,953	-1,630	-17.0%
74.1%	9,166	7,829	-1,337	-14.6%
75.3%	8,996	7,799	-1,198	-13.3%
76.5%	8,692	7,663	-1,029	-11.8%
77.8%	8,645	7,600	-1,046	-12.1%
79.0%	8,627	7,167	-1,459	-16.9%
80.2%	8,495	7,074	-1,420	-16.7%
81.5%	8,248	6,773	-1,475	-17.9%
82.7%	7,867	6,723	-1,144	-14.5%
84.0%	7,789	6,693	-1,096	-14.1%
85.2%	7,692	6,574	-1,119	-14.5%
86.4%	7,674	6,536	-1,138	-14.8%
87.7%	7,075	6,534	-541	-7.6%
88.9%	7,064	6,263	-801	-11.3%
90.1%	6,532	6,213	-319	-4.9%
91.4%	6,327	6,167	-160	-2.5%
92.6%	6,141	6,106	-35	-0.6%
93.8%	5,924	5,975	50	0.9%
95.1%	5,909	5,768	-141	-2.4%
96.3%	5,726	5,752	26	0.5%
97.5%	5,492	5,571	79	1.4%
98.8%	5,398	5,403	5	0.1%
100.0%	5,167	5,000	-167	-3.2%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,579	21,450	-129	-0.6%
1.2%	21,006	21,008	2	0.0%
2.5%	20,880	20,885	6	0.0%
3.7%	20,794	20,804	10	0.1%
4.9%	20,178	20,301	123	0.6%
6.2%	19,430	19,438	8	0.0%
7.4%	19,067	19,077	9	0.0%
8.6%	18,889	18,919	30	0.2%
9.9%	18,588	17,795	-793	-4.3%
11.1%	17,738	17,314	-424	-2.4%
12.3%	17,439	17,157	-282	-1.6%
13.6%	17,170	15,790	-1,380	-8.0%
14.8%	16,880	15,720	-1,160	-6.9%
16.0%	16,480	15,563	-918	-5.6%
17.3%	15,910	14,019	-1,891	-11.9%
18.5%	15,565	13,431	-2,133	-13.7%
19.8%	15,000	13,343	-1,657	-11.0%
21.0%	14,912	12,717	-2,195	-14.7%
22.2%	14,474	12,564	-1,910	-13.2%
23.5%	13,444	12,024	-1,420	-10.6%
24.7%	12,564	11,742	-822	-6.5%
25.9%	10,118	10,292	174	1.7%
27.2%	9,639	10,077	439	4.6%
28.4%	9,356	9,275	-80	-0.9%
29.6%	9,333	9,216	-116	-1.2%
30.9%	8,629	8,684	55	0.6%
32.1%	8,490	8,362	-128	-1.5%
33.3%	7,957	7,949	-8	-0.1%
34.6%	7,428	7,184	-244	-3.3%
35.8%	7,310	6,866	-444	-6.1%
37.0%	7,264	6,334	-930	-12.8%
38.3%	7,082	5,992	-1,090	-15.4%
39.5%	6,066	5,841	-226	-3.7%
40.7%	5,771	5,807	36	0.6%
42.0%	5,641	5,683	42	0.7%
43.2%	5,450	5,554	104	1.9%
44.4%	5,387	5,403	16	0.3%
45.7%	5,368	5,391	24	0.4%
46.9%	5,340	5,367	27	0.5%
48.1%	5,340	5,332	-8	-0.1%
49.4%	5,284	5,304	20	0.4%
50.6%	5,249	5,271	21	0.4%
51.9%	5,183	5,187	4	0.1%
53.1%	5,123	5,050	-72	-1.4%
54.3%	5,045	5,010	-35	-0.7%
55.6%	5,039	5,001	-38	-0.8%
56.8%	4,982	5,000	18	0.4%
58.0%	4,969	5,000	31	0.6%
59.3%	4,959	5,000	41	0.8%
60.5%	4,952	5,000	48	1.0%
61.7%	4,939	5,000	61	1.2%
63.0%	4,920	5,000	80	1.6%
64.2%	4,909	4,963	54	1.1%
65.4%	4,879	4,931	52	1.1%
66.7%	4,833	4,903	70	1.4%
67.9%	4,799	4,881	82	1.7%
69.1%	4,776	4,870	94	2.0%
70.4%	4,744	4,830	86	1.8%
71.6%	4,732	4,806	74	1.6%
72.8%	4,695	4,795	100	2.1%
74.1%	4,646	4,729	83	1.8%
75.3%	4,609	4,700	91	2.0%
76.5%	4,427	4,675	248	5.6%
77.8%	4,410	4,607	197	4.5%
79.0%	4,379	4,605	226	5.2%
80.2%	4,351	4,596	245	5.6%
81.5%	4,283	4,453	169	4.0%
82.7%	4,120	4,421	301	7.3%
84.0%	4,082	4,365	283	6.9%
85.2%	3,896	4,310	414	10.6%
86.4%	3,858	4,239	381	9.9%
87.7%	3,856	4,084	228	5.9%
88.9%	3,830	4,069	239	6.3%
90.1%	3,635	3,693	57	1.6%
91.4%	3,633	3,651	17	0.5%
92.6%	3,585	3,615	30	0.8%
93.8%	3,581	3,571	-9	-0.3%
95.1%	3,542	3,542	0	0.0%
96.3%	3,535	3,538	3	0.1%
97.5%	3,470	3,487	17	0.5%
98.8%	3,394	3,361	-33	-1.0%
100.0%	3,336	3,329	-7	-0.2%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,327	18,148	-179	-1.0%
1.2%	18,119	17,909	-210	-1.2%
2.5%	17,656	17,660	4	0.0%
3.7%	17,056	15,000	-2,056	-12.1%
4.9%	12,777	12,682	-95	-0.7%
6.2%	12,628	12,472	-156	-1.2%
7.4%	12,167	12,008	-159	-1.3%
8.6%	10,993	10,868	-125	-1.1%
9.9%	10,728	7,867	-2,861	-26.7%
11.1%	7,335	7,606	271	3.7%
12.3%	7,005	7,344	338	4.8%
13.6%	6,904	6,894	-10	-0.1%
14.8%	6,757	6,805	48	0.7%
16.0%	6,359	6,508	149	2.3%
17.3%	6,353	6,322	-30	-0.5%
18.5%	5,765	6,019	255	4.4%
19.8%	5,756	5,803	47	0.8%
21.0%	5,727	5,709	-17	-0.3%
22.2%	5,710	5,479	-231	-4.0%
23.5%	5,703	5,432	-271	-4.8%
24.7%	5,672	5,394	-278	-4.9%
25.9%	5,623	5,362	-261	-4.6%
27.2%	5,575	5,321	-254	-4.6%
28.4%	5,565	5,313	-252	-4.5%
29.6%	5,538	5,290	-248	-4.5%
30.9%	5,498	5,285	-213	-3.9%
32.1%	5,478	5,280	-198	-3.6%
33.3%	5,432	5,254	-178	-3.3%
34.6%	5,431	5,138	-293	-5.4%
35.8%	5,419	5,135	-283	-5.2%
37.0%	5,409	5,133	-276	-5.1%
38.3%	5,359	5,069	-290	-5.4%
39.5%	5,347	5,057	-289	-5.4%
40.7%	5,293	5,005	-289	-5.5%
42.0%	5,250	5,000	-250	-4.8%
43.2%	5,198	5,000	-198	-3.8%
44.4%	5,186	5,000	-186	-3.6%
45.7%	5,115	5,000	-115	-2.2%
46.9%	5,108	4,930	-178	-3.5%
48.1%	4,969	4,868	-101	-2.0%
49.4%	4,956	4,842	-114	-2.3%
50.6%	4,953	4,827	-126	-2.5%
51.9%	4,941	4,822	-119	-2.4%
53.1%	4,915	4,779	-136	-2.8%
54.3%	4,885	4,761	-124	-2.5%
55.6%	4,815	4,760	-55	-1.1%
56.8%	4,799	4,740	-58	-1.2%
58.0%	4,754	4,736	-18	-0.4%
59.3%	4,733	4,727	-6	-0.1%
60.5%	4,728	4,667	-62	-1.3%
61.7%	4,725	4,663	-62	-1.3%
63.0%	4,715	4,639	-76	-1.6%
64.2%	4,696	4,630	-66	-1.4%
65.4%	4,686	4,622	-64	-1.4%
66.7%	4,676	4,620	-55	-1.2%
67.9%	4,657	4,613	-44	-1.0%
69.1%	4,630	4,612	-18	-0.4%
70.4%	4,622	4,602	-20	-0.4%
71.6%	4,601	4,583	-19	-0.4%
72.8%	4,590	4,565	-25	-0.5%
74.1%	4,590	4,565	-24	-0.5%
75.3%	4,555	4,550	-6	-0.1%
76.5%	4,550	4,537	-13	-0.3%
77.8%	4,324	4,286	-38	-0.9%
79.0%	4,212	4,163	-49	-1.2%
80.2%	4,167	4,135	-32	-0.8%
81.5%	4,165	4,101	-64	-1.5%
82.7%	4,155	4,098	-56	-1.4%
84.0%	4,131	4,081	-51	-1.2%
85.2%	4,129	4,008	-121	-2.9%
86.4%	3,921	3,936	15	0.4%
87.7%	3,782	3,822	40	1.1%
88.9%	3,778	3,735	-44	-1.2%
90.1%	3,663	3,731	68	1.9%
91.4%	3,583	3,642	59	1.7%
92.6%	3,569	3,626	57	1.6%
93.8%	3,542	3,590	48	1.4%
95.1%	3,522	3,564	42	1.2%
96.3%	3,457	3,442	-15	-0.4%
97.5%	3,418	3,393	-25	-0.7%
98.8%	3,377	3,350	-27	-0.8%
100.0%	3,354	3,349	-4	-0.1%

Table SW-15-b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,000	15,813	813	5.4%
1.2%	9,298	9,660	363	3.9%
2.5%	8,473	9,325	852	10.1%
3.7%	8,201	9,070	869	10.6%
4.9%	7,966	8,785	819	10.3%
6.2%	7,884	8,708	824	10.5%
7.4%	7,861	8,586	725	9.2%
8.6%	7,798	8,401	603	7.7%
9.9%	7,779	8,333	554	7.1%
11.1%	7,664	8,245	582	7.6%
12.3%	7,350	8,103	753	10.2%
13.6%	7,126	8,102	977	13.7%
14.8%	7,116	8,082	966	13.6%
16.0%	7,072	7,909	837	11.8%
17.3%	7,037	7,820	783	11.1%
18.5%	6,993	7,791	799	11.4%
19.8%	6,905	7,624	719	10.4%
21.0%	6,904	7,599	695	10.1%
22.2%	6,901	7,371	469	6.8%
23.5%	6,854	7,292	438	6.4%
24.7%	6,731	7,283	552	8.2%
25.9%	6,682	7,264	581	8.7%
27.2%	6,584	7,253	670	10.2%
28.4%	6,579	7,223	644	9.8%
29.6%	6,566	7,161	595	9.1%
30.9%	6,540	7,120	580	8.9%
32.1%	6,507	7,056	548	8.4%
33.3%	6,465	7,049	584	9.0%
34.6%	6,406	7,013	607	9.5%
35.8%	6,322	6,943	622	9.8%
37.0%	6,275	6,922	647	10.3%
38.3%	6,236	6,850	614	9.9%
39.5%	6,105	6,813	709	11.6%
40.7%	6,001	6,807	806	13.4%
42.0%	5,932	6,725	792	13.4%
43.2%	5,918	6,706	788	13.3%
44.4%	5,787	6,628	842	14.5%
45.7%	5,753	6,611	858	14.9%
46.9%	5,725	6,554	830	14.5%
48.1%	5,720	6,497	777	13.6%
49.4%	5,643	6,415	772	13.7%
50.6%	5,622	6,393	771	13.7%
51.9%	5,619	6,366	747	13.3%
53.1%	5,612	6,363	752	13.4%
54.3%	5,577	6,275	699	12.5%
55.6%	5,506	6,257	751	13.6%
56.8%	5,502	6,252	750	13.6%
58.0%	5,487	6,219	731	13.3%
59.3%	5,445	6,207	762	14.0%
60.5%	5,441	6,102	661	12.2%
61.7%	5,433	5,944	510	9.4%
63.0%	5,424	5,926	503	9.3%
64.2%	5,409	5,900	491	9.1%
65.4%	5,394	5,888	494	9.2%
66.7%	5,391	5,815	424	7.9%
67.9%	5,342	5,764	422	7.9%
69.1%	5,316	5,722	406	7.6%
70.4%	5,307	5,376	69	1.3%
71.6%	5,302	5,341	39	0.7%
72.8%	5,268	5,325	58	1.1%
74.1%	5,236	5,322	86	1.6%
75.3%	5,223	5,277	54	1.0%
76.5%	5,182	5,276	95	1.8%
77.8%	5,124	5,191	67	1.3%
79.0%	5,092	5,176	84	1.7%
80.2%	4,832	5,154	321	6.6%
81.5%	4,793	5,073	280	5.8%
82.7%	4,747	5,000	253	5.3%
84.0%	4,745	5,000	255	5.4%
85.2%	4,704	5,000	296	6.3%
86.4%	4,696	5,000	304	6.5%
87.7%	4,655	5,000	345	7.4%
88.9%	4,645	5,000	355	7.6%
90.1%	4,554	5,000	446	9.8%
91.4%	4,486	4,780	294	6.6%
92.6%	4,464	4,673	209	4.7%
93.8%	4,179	4,660	481	11.5%
95.1%	3,641	4,632	990	27.2%
96.3%	3,626	4,627	1,001	27.6%
97.5%	3,437	4,609	1,172	34.1%
98.8%	3,411	4,598	1,187	34.8%
100.0%	3,323	4,502	1,180	35.5%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,868	15,000	5,132	52.0%
1.2%	9,576	15,000	5,424	56.6%
2.5%	9,347	11,630	2,283	24.4%
3.7%	9,330	11,493	2,163	23.2%
4.9%	9,113	11,208	2,095	23.0%
6.2%	9,000	11,105	2,104	23.4%
7.4%	8,997	10,884	1,886	21.0%
8.6%	8,837	10,845	2,008	22.7%
9.9%	8,799	10,821	2,022	23.0%
11.1%	8,770	10,810	2,040	23.3%
12.3%	8,716	10,805	2,089	24.0%
13.6%	8,704	10,690	1,987	22.8%
14.8%	8,648	10,661	2,013	23.3%
16.0%	8,558	10,626	2,068	24.2%
17.3%	8,496	10,494	1,999	23.5%
18.5%	8,465	10,434	1,968	23.3%
19.8%	8,414	10,331	1,917	22.8%
21.0%	8,383	10,316	1,933	23.1%
22.2%	8,380	10,202	1,822	21.7%
23.5%	8,377	10,180	1,803	21.5%
24.7%	8,372	10,104	1,732	20.7%
25.9%	8,352	10,020	1,669	20.0%
27.2%	8,318	9,951	1,633	19.6%
28.4%	8,295	9,933	1,638	19.7%
29.6%	8,284	9,931	1,647	19.9%
30.9%	8,273	9,897	1,624	19.6%
32.1%	8,252	9,874	1,621	19.6%
33.3%	8,248	9,769	1,520	18.4%
34.6%	8,244	9,751	1,506	18.3%
35.8%	8,235	9,649	1,414	17.2%
37.0%	8,227	9,639	1,412	17.2%
38.3%	8,210	9,503	1,293	15.7%
39.5%	8,178	9,488	1,309	16.0%
40.7%	8,144	9,239	1,094	13.4%
42.0%	8,126	9,189	1,063	13.1%
43.2%	8,098	9,081	982	12.1%
44.4%	8,089	9,061	972	12.0%
45.7%	8,088	9,043	955	11.8%
46.9%	8,062	9,022	960	11.9%
48.1%	8,009	8,817	807	10.1%
49.4%	7,996	8,804	808	10.1%
50.6%	7,994	8,657	662	8.3%
51.9%	7,946	8,634	688	8.7%
53.1%	7,879	8,609	731	9.3%
54.3%	7,865	8,593	728	9.3%
55.6%	7,838	8,590	752	9.6%
56.8%	7,784	8,466	682	8.8%
58.0%	7,766	8,422	656	8.5%
59.3%	7,760	8,413	653	8.4%
60.5%	7,746	8,376	631	8.1%
61.7%	7,644	8,369	725	9.5%
63.0%	7,608	8,358	750	9.9%
64.2%	7,586	8,132	546	7.2%
65.4%	7,559	8,125	565	7.5%
66.7%	7,538	8,101	563	7.5%
67.9%	7,332	8,100	768	10.5%
69.1%	7,180	8,012	832	11.6%
70.4%	7,153	7,906	753	10.5%
71.6%	7,113	7,661	549	7.7%
72.8%	6,996	7,656	660	9.4%
74.1%	6,964	7,576	612	8.8%
75.3%	6,935	7,541	606	8.7%
76.5%	6,835	7,280	445	6.5%
77.8%	6,699	7,245	546	8.1%
79.0%	6,698	6,914	217	3.2%
80.2%	6,662	6,904	242	3.6%
81.5%	6,498	6,767	270	4.1%
82.7%	6,464	6,684	221	3.4%
84.0%	6,268	6,655	387	6.2%
85.2%	6,121	6,600	478	7.8%
86.4%	5,948	6,501	553	9.3%
87.7%	5,899	6,470	572	9.7%
88.9%	5,614	6,449	835	14.9%
90.1%	5,567	6,420	853	15.3%
91.4%	5,535	6,178	643	11.6%
92.6%	5,526	6,123	597	10.8%
93.8%	5,336	6,120	784	14.7%
95.1%	5,319	5,858	539	10.1%
96.3%	5,129	5,760	631	12.3%
97.5%	5,129	5,438	310	6.0%
98.8%	4,670	5,118	448	9.6%
100.0%	3,738	5,101	1,362	36.4%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,282	10,085	803	8.7%
1.2%	8,718	8,914	195	2.2%
2.5%	8,261	8,829	568	6.9%
3.7%	7,918	8,723	805	10.2%
4.9%	7,630	8,712	1,081	14.2%
6.2%	7,429	8,250	821	11.1%
7.4%	7,374	8,152	779	10.6%
8.6%	7,243	8,143	899	12.4%
9.9%	7,113	7,788	676	9.5%
11.1%	7,029	7,708	679	9.7%
12.3%	6,788	7,381	592	8.7%
13.6%	6,737	7,373	636	9.4%
14.8%	6,618	7,289	671	10.1%
16.0%	6,529	7,289	760	11.6%
17.3%	6,491	7,106	615	9.5%
18.5%	6,309	7,086	777	12.3%
19.8%	6,138	6,926	788	12.8%
21.0%	6,130	6,887	757	12.4%
22.2%	6,129	6,845	716	11.7%
23.5%	6,102	6,845	743	12.2%
24.7%	6,047	6,820	774	12.8%
25.9%	6,005	6,524	519	8.6%
27.2%	5,962	6,498	536	9.0%
28.4%	5,947	6,445	498	8.4%
29.6%	5,943	6,332	389	6.5%
30.9%	5,697	6,262	565	9.9%
32.1%	5,662	6,236	574	10.1%
33.3%	5,601	6,212	611	10.9%
34.6%	5,577	6,184	607	10.9%
35.8%	5,473	6,154	681	12.4%
37.0%	5,330	6,141	811	15.2%
38.3%	5,316	6,101	784	14.8%
39.5%	5,203	6,053	850	16.3%
40.7%	5,185	6,052	868	16.7%
42.0%	5,122	6,013	891	17.4%
43.2%	5,116	5,885	770	15.0%
44.4%	5,070	5,880	810	16.0%
45.7%	5,066	5,879	812	16.0%
46.9%	5,065	5,821	756	14.9%
48.1%	5,044	5,817	772	15.3%
49.4%	5,043	5,802	760	15.1%
50.6%	5,035	5,728	693	13.8%
51.9%	5,035	5,710	675	13.4%
53.1%	5,029	5,688	659	13.1%
54.3%	5,025	5,661	636	12.7%
55.6%	5,024	5,644	619	12.3%
56.8%	5,018	5,631	613	12.2%
58.0%	4,857	5,584	727	15.0%
59.3%	4,852	5,573	721	14.9%
60.5%	4,817	5,515	698	14.5%
61.7%	4,623	5,454	831	18.0%
63.0%	4,621	5,398	776	16.8%
64.2%	4,587	5,382	795	17.3%
65.4%	4,562	5,327	764	16.8%
66.7%	4,555	5,303	748	16.4%
67.9%	4,533	5,296	762	16.8%
69.1%	4,530	5,285	755	16.7%
70.4%	4,529	5,272	743	16.4%
71.6%	4,529	5,119	590	13.0%
72.8%	4,517	5,114	597	13.2%
74.1%	4,517	5,103	586	13.0%
75.3%	4,513	5,069	556	12.3%
76.5%	4,511	5,067	556	12.3%
77.8%	4,510	5,059	549	12.2%
79.0%	4,501	5,043	542	12.0%
80.2%	4,379	5,035	656	15.0%
81.5%	4,366	5,034	668	15.3%
82.7%	4,359	5,034	675	15.5%
84.0%	4,297	5,030	733	17.1%
85.2%	4,263	5,025	762	17.9%
86.4%	4,122	5,024	902	21.9%
87.7%	4,073	5,018	944	23.2%
88.9%	4,061	5,000	939	23.1%
90.1%	4,054	5,000	946	23.3%
91.4%	4,029	5,000	971	24.1%
92.6%	4,023	5,000	977	24.3%
93.8%	4,016	5,000	984	24.5%
95.1%	3,878	5,000	1,122	28.9%
96.3%	3,600	5,000	1,400	38.9%
97.5%	3,480	4,914	1,434	41.2%
98.8%	3,288	4,887	1,598	48.6%
100.0%	3,255	4,534	1,279	39.3%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,070	15,238	168	1.1%
1.2%	15,000	15,056	56	0.4%
2.5%	15,000	15,021	21	0.1%
3.7%	15,000	15,000	0	0.0%
4.9%	15,000	15,000	0	0.0%
6.2%	15,000	15,000	0	0.0%
7.4%	15,000	15,000	0	0.0%
8.6%	14,827	15,000	173	1.2%
9.9%	14,524	14,827	303	2.1%
11.1%	14,443	14,656	212	1.5%
12.3%	14,402	14,567	165	1.1%
13.6%	13,554	14,419	864	6.4%
14.8%	13,123	13,907	784	6.0%
16.0%	12,886	13,900	1,014	7.9%
17.3%	12,735	13,543	808	6.3%
18.5%	12,687	13,328	640	5.0%
19.8%	12,038	13,116	1,078	9.0%
21.0%	11,475	12,972	1,497	13.0%
22.2%	11,400	12,439	1,039	9.1%
23.5%	11,164	11,548	383	3.4%
24.7%	11,117	11,249	132	1.2%
25.9%	11,004	11,195	191	1.7%
27.2%	10,980	11,135	155	1.4%
28.4%	10,729	10,965	236	2.2%
29.6%	10,714	10,947	234	2.2%
30.9%	10,676	10,857	180	1.7%
32.1%	10,531	10,599	69	0.7%
33.3%	9,522	10,003	482	5.1%
34.6%	9,147	9,449	303	3.3%
35.8%	8,782	9,449	667	7.6%
37.0%	8,738	9,081	344	3.9%
38.3%	8,549	9,045	497	5.8%
39.5%	8,383	9,041	658	7.9%
40.7%	8,325	8,961	635	7.6%
42.0%	7,264	8,746	1,482	20.4%
43.2%	7,084	8,727	1,643	23.2%
44.4%	6,925	8,404	1,478	21.3%
45.7%	6,821	7,936	1,115	16.3%
46.9%	6,803	7,814	1,011	14.9%
48.1%	6,684	7,762	1,077	16.1%
49.4%	6,648	7,459	811	12.2%
50.6%	6,571	7,416	845	12.9%
51.9%	6,421	7,347	926	14.4%
53.1%	6,355	7,311	956	15.0%
54.3%	6,298	7,208	910	14.5%
55.6%	6,106	7,148	1,041	17.1%
56.8%	6,070	7,100	1,030	17.0%
58.0%	5,952	7,092	1,140	19.2%
59.3%	5,791	7,072	1,281	22.1%
60.5%	5,544	7,069	1,524	27.5%
61.7%	5,477	6,877	1,400	25.6%
63.0%	5,434	6,854	1,420	26.1%
64.2%	5,342	6,830	1,488	27.9%
65.4%	5,250	6,766	1,516	28.9%
66.7%	5,199	6,756	1,557	29.9%
67.9%	5,085	6,690	1,605	31.6%
69.1%	4,996	6,657	1,661	33.2%
70.4%	4,990	6,572	1,581	31.7%
71.6%	4,965	6,539	1,575	31.7%
72.8%	4,865	6,440	1,575	32.4%
74.1%	4,826	6,312	1,487	30.8%
75.3%	4,782	6,212	1,431	29.9%
76.5%	4,763	6,209	1,446	30.4%
77.8%	4,650	6,188	1,539	33.1%
79.0%	4,618	6,153	1,536	33.3%
80.2%	4,566	6,139	1,574	34.5%
81.5%	4,465	6,126	1,662	37.2%
82.7%	4,434	6,068	1,634	36.9%
84.0%	4,405	6,064	1,660	37.7%
85.2%	4,337	5,958	1,621	37.4%
86.4%	4,194	5,919	1,724	41.1%
87.7%	4,142	5,907	1,765	42.6%
88.9%	4,096	5,552	1,456	35.5%
90.1%	4,063	5,439	1,375	33.8%
91.4%	4,048	5,338	1,291	31.9%
92.6%	3,956	5,131	1,175	29.7%
93.8%	3,943	5,112	1,168	29.6%
95.1%	3,795	5,088	1,293	34.1%
96.3%	3,678	5,000	1,322	35.9%
97.5%	3,643	5,000	1,357	37.2%
98.8%	3,561	4,551	990	27.8%
100.0%	3,255	4,420	1,165	35.8%

Figure SW-16-b
Sacramento River at Verona, Monthly Flow
Probability of Exceedance

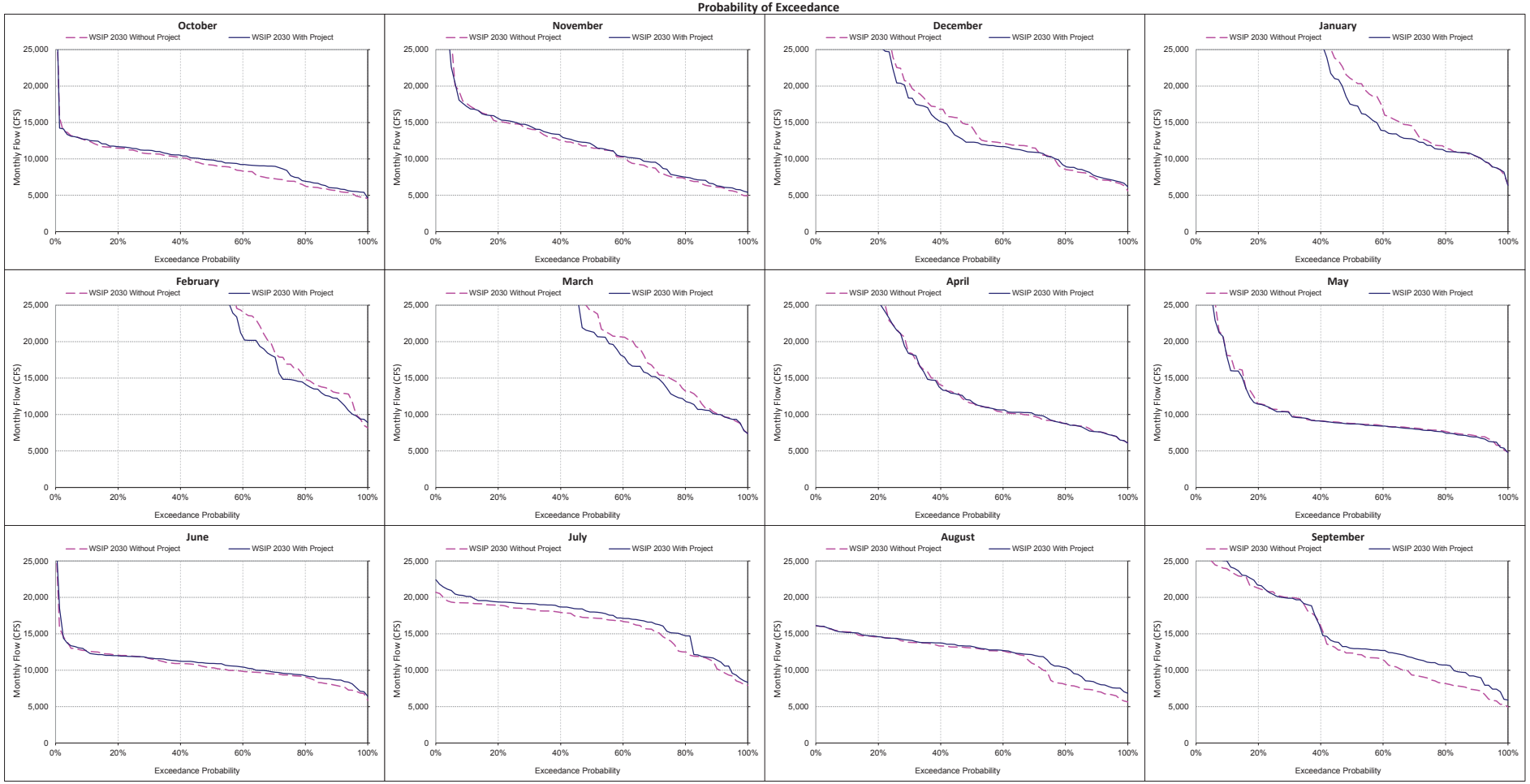


Table SW-16-b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,821	37,322	1,501	4.2%
1.2%	15,686	14,215	-1,470	-9.4%
2.5%	13,779	14,112	333	2.4%
3.7%	13,653	13,372	-280	-2.1%
4.9%	13,179	13,125	-54	-0.4%
6.2%	13,125	13,030	-95	-0.7%
7.4%	12,915	12,905	-10	-0.1%
8.6%	12,705	12,729	23	0.2%
9.9%	12,502	12,684	182	1.5%
11.1%	12,366	12,503	137	1.1%
12.3%	12,095	12,463	367	3.0%
13.6%	11,877	12,432	555	4.7%
14.8%	11,690	12,090	400	3.4%
16.0%	11,631	12,046	415	3.6%
17.3%	11,606	11,755	149	1.3%
18.5%	11,515	11,747	232	2.0%
19.8%	11,471	11,672	201	1.8%
21.0%	11,458	11,663	206	1.8%
22.2%	11,451	11,598	147	1.3%
23.5%	11,233	11,538	305	2.7%
24.7%	11,215	11,424	209	1.9%
25.9%	11,063	11,382	319	2.9%
27.2%	10,847	11,214	367	3.4%
28.4%	10,772	11,173	401	3.7%
29.6%	10,710	11,166	456	4.3%
30.9%	10,708	11,161	453	4.2%
32.1%	10,678	11,010	332	3.1%
33.3%	10,656	11,002	346	3.2%
34.6%	10,503	10,831	327	3.1%
35.8%	10,419	10,708	288	2.8%
37.0%	10,379	10,564	184	1.8%
38.3%	10,289	10,530	241	2.3%
39.5%	10,211	10,528	317	3.1%
40.7%	10,129	10,403	274	2.7%
42.0%	10,069	10,395	326	3.2%
43.2%	9,847	10,165	318	3.2%
44.4%	9,614	10,105	491	5.1%
45.7%	9,516	10,072	556	5.8%
46.9%	9,336	9,979	644	6.9%
48.1%	9,220	9,896	676	7.3%
49.4%	9,181	9,862	681	7.4%
50.6%	9,120	9,845	725	7.9%
51.9%	9,010	9,679	669	7.4%
53.1%	8,953	9,647	694	7.8%
54.3%	8,931	9,439	508	5.7%
55.6%	8,876	9,435	560	6.3%
56.8%	8,689	9,394	704	8.1%
58.0%	8,453	9,370	918	10.9%
59.3%	8,382	9,210	828	9.9%
60.5%	8,287	9,205	918	11.1%
61.7%	8,262	9,147	885	10.7%
63.0%	8,248	9,121	873	10.6%
64.2%	7,798	9,074	1,276	16.4%
65.4%	7,609	9,036	1,427	18.8%
66.7%	7,504	9,032	1,529	20.4%
67.9%	7,373	9,025	1,651	22.4%
69.1%	7,348	9,019	1,671	22.7%
70.4%	7,261	8,978	1,717	23.6%
71.6%	7,191	8,810	1,618	22.5%
72.8%	7,133	8,625	1,493	20.9%
74.1%	6,955	8,387	1,432	20.6%
75.3%	6,935	7,704	769	11.1%
76.5%	6,917	7,483	566	8.2%
77.8%	6,664	7,404	740	11.1%
79.0%	6,490	7,018	528	8.1%
80.2%	6,210	6,902	692	11.1%
81.5%	6,155	6,840	685	11.1%
82.7%	6,107	6,686	579	9.5%
84.0%	6,063	6,658	594	9.8%
85.2%	5,925	6,448	523	8.8%
86.4%	5,915	6,323	409	6.9%
87.7%	5,764	6,046	282	4.9%
88.9%	5,684	5,995	311	5.5%
90.1%	5,658	5,979	321	5.7%
91.4%	5,464	5,849	385	7.0%
92.6%	5,407	5,804	397	7.3%
93.8%	5,367	5,607	240	4.5%
95.1%	5,232	5,546	315	6.0%
96.3%	4,902	5,522	619	12.6%
97.5%	4,761	5,455	694	14.6%
98.8%	4,724	5,407	683	14.5%
100.0%	4,536	4,627	91	2.0%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,849	42,779	-70	-0.2%
1.2%	40,083	38,654	-1,429	-3.6%
2.5%	32,425	33,897	1,471	4.5%
3.7%	28,898	28,575	-323	-1.1%
4.9%	26,622	22,633	-3,988	-15.0%
6.2%	20,077	20,340	263	1.3%
7.4%	19,332	18,079	-1,254	-6.5%
8.6%	17,954	17,634	-321	-1.8%
9.9%	17,615	17,202	-413	-2.3%
11.1%	17,199	16,851	-348	-2.0%
12.3%	16,900	16,830	-70	-0.4%
13.6%	16,632	16,649	17	0.1%
14.8%	16,312	16,169	-143	-0.9%
16.0%	16,141	16,036	-105	-0.7%
17.3%	16,129	15,959	-169	-1.1%
18.5%	15,300	15,926	626	4.1%
19.8%	15,113	15,600	487	3.2%
21.0%	15,095	15,338	243	1.6%
22.2%	15,026	15,289	264	1.8%
23.5%	14,890	15,216	326	2.2%
24.7%	14,809	15,090	282	1.9%
25.9%	14,807	14,968	162	1.1%
27.2%	14,730	14,763	33	0.2%
28.4%	14,259	14,760	501	3.5%
29.6%	14,170	14,595	425	3.0%
30.9%	14,039	14,354	316	2.2%
32.1%	14,003	14,070	67	0.5%
33.3%	13,686	14,026	340	2.5%
34.6%	13,309	13,746	438	3.3%
35.8%	13,053	13,615	562	4.3%
37.0%	12,895	13,466	571	4.4%
38.3%	12,849	13,410	561	4.4%
39.5%	12,592	13,376	784	6.2%
40.7%	12,493	12,943	450	3.6%
42.0%	12,332	12,806	474	3.8%
43.2%	12,308	12,696	388	3.2%
44.4%	12,122	12,508	386	3.2%
45.7%	12,050	12,378	327	2.7%
46.9%	11,790	12,295	505	4.3%
48.1%	11,780	12,251	472	4.0%
49.4%	11,581	12,150	569	4.9%
50.6%	11,457	11,825	368	3.2%
51.9%	11,456	11,478	22	0.2%
53.1%	11,297	11,417	119	1.1%
54.3%	11,196	11,323	127	1.1%
55.6%	11,193	11,144	-50	-0.4%
56.8%	11,048	11,116	69	0.6%
58.0%	10,289	10,489	201	2.0%
59.3%	10,255	10,371	116	1.1%
60.5%	10,254	10,335	80	0.8%
61.7%	9,649	10,170	521	5.4%
63.0%	9,389	10,166	777	8.3%
64.2%	9,320	10,078	759	8.1%
65.4%	9,207	10,019	812	8.8%
66.7%	9,133	9,689	556	6.1%
67.9%	8,849	9,611	762	8.6%
69.1%	8,818	9,554	736	8.3%
70.4%	8,719	9,533	814	9.3%
71.6%	8,108	9,183	1,074	13.2%
72.8%	7,948	8,678	730	9.2%
74.1%	7,731	8,585	854	11.0%
75.3%	7,550	7,850	300	4.0%
76.5%	7,428	7,745	317	4.3%
77.8%	7,425	7,642	218	2.9%
79.0%	7,411	7,534	123	1.7%
80.2%	7,214	7,481	267	3.7%
81.5%	7,023	7,407	384	5.5%
82.7%	6,893	7,235	342	5.0%
84.0%	6,885	7,113	228	3.3%
85.2%	6,584	7,099	515	7.8%
86.4%	6,373	7,047	674	10.6%
87.7%	6,267	6,647	381	6.1%
88.9%	6,206	6,584	378	6.1%
90.1%	6,118	6,311	193	3.2%
91.4%	6,085	6,232	147	2.4%
92.6%	5,936	6,079	143	2.4%
93.8%	5,664	6,042	378	6.7%
95.1%	5,602	6,013	411	7.3%
96.3%	5,463	5,803	340	6.2%
97.5%	5,175	5,773	598	11.6%
98.8%	4,952	5,548	597	12.0%
100.0%	4,915	5,405	490	10.0%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	63,175	63,198	24	0.0%
1.2%	59,208	58,954	-253	-0.4%
2.5%	58,367	57,641	-726	-1.2%
3.7%	55,912	55,594	-318	-0.6%
4.9%	53,415	52,335	-1,080	-2.0%
6.2%	47,631	48,067	437	0.9%
7.4%	46,678	44,453	-2,226	-4.8%
8.6%	45,070	43,337	-1,733	-3.8%
9.9%	44,597	42,766	-1,831	-4.1%
11.1%	42,532	42,588	56	0.1%
12.3%	38,081	37,554	-527	-1.4%
13.6%	33,524	33,982	458	1.4%
14.8%	32,942	31,542	-1,400	-4.3%
16.0%	31,617	31,289	-328	-1.0%
17.3%	30,594	30,060	-534	-1.7%
18.5%	30,562	26,635	-3,928	-12.9%
19.8%	30,059	26,494	-3,564	-11.9%
21.0%	27,686	25,244	-2,442	-8.8%
22.2%	27,449	24,765	-2,684	-9.8%
23.5%	26,757	24,719	-2,038	-7.6%
24.7%	23,978	22,418	-1,560	-6.5%
25.9%	22,544	20,425	-2,119	-9.4%
27.2%	22,438	20,375	-2,063	-9.2%
28.4%	20,740	20,143	-597	-2.9%
29.6%	20,609	18,346	-2,264	-11.0%
30.9%	19,661	18,329	-1,332	-6.8%
32.1%	19,212	17,486	-1,726	-9.0%
33.3%	18,908	17,346	-1,562	-8.3%
34.6%	18,414	17,242	-1,173	-6.4%
35.8%	17,745	17,023	-721	-4.1%
37.0%	17,236	16,058	-1,178	-6.8%
38.3%	17,160	15,587	-1,573	-9.2%
39.5%	16,811	15,206	-1,605	-9.5%
40.7%	16,807	14,985	-1,822	-10.8%
42.0%	15,819	14,792	-1,026	-6.5%
43.2%	15,780	13,998	-1,782	-11.3%
44.4%	15,685	13,294	-2,391	-15.2%
45.7%	15,614	13,018	-2,596	-16.6%
46.9%	14,912	12,706	-2,206	-14.8%
48.1%	14,743	12,286	-2,457	-16.7%
49.4%	14,720	12,279	-2,441	-16.6%
50.6%	13,981	12,272	-1,709	-12.2%
51.9%	13,110	12,223	-887	-6.8%
53.1%	12,564	11,967	-597	-4.8%
54.3%	12,432	11,950	-482	-3.9%
55.6%	12,395	11,827	-567	-4.6%
56.8%	12,344	11,823	-521	-4.2%
58.0%	12,285	11,728	-558	-4.5%
59.3%	12,198	11,678	-521	-4.3%
60.5%	12,126	11,675	-451	-3.7%
61.7%	12,015	11,581	-434	-3.6%
63.0%	11,894	11,399	-496	-4.2%
64.2%	11,891	11,328	-563	-4.7%
65.4%	11,841	11,239	-601	-5.1%
66.7%	11,823	11,116	-707	-6.0%
67.9%	11,745	10,960	-785	-6.7%
69.1%	11,524	10,918	-607	-5.3%
70.4%	11,475	10,910	-565	-4.9%
71.6%	10,775	10,848	73	0.7%
72.8%	10,509	10,703	194	1.8%
74.1%	10,476	10,344	-132	-1.3%
75.3%	10,203	10,343	140	1.4%
76.5%	9,942	10,058	116	1.2%
77.8%	9,082	9,872	790	8.7%
79.0%	8,718	9,237	519	5.9%
80.2%	8,515	8,902	387	4.5%
81.5%	8,442	8,841	398	4.7%
82.7%	8,408	8,831	423	5.0%
84.0%	8,183	8,586	404	4.9%
85.2%	8,120	8,545	425	5.2%
86.4%	8,075	8,318	243	3.0%
87.7%	7,639	8,155	516	6.7%
88.9%	7,514	7,750	236	3.1%
90.1%	7,179	7,593	415	5.8%
91.4%	7,136	7,453	317	4.4%
92.6%	7,059	7,304	245	3.5%
93.8%	7,047	7,173	127	1.8%
95.1%	6,882	7,096	214	3.1%
96.3%	6,744	6,955	211	3.1%
97.5%	6,608	6,833	224	3.4%
98.8%	6,316	6,662	346	5.5%
100.0%	5,611	6,148	536	9.6%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	71,981	71,700	-281	-0.4%
1.2%	70,801	70,023	-778	-1.1%
2.5%	65,069	64,474	-596	-0.9%
3.7%	62,945	62,954	9	0.0%
4.9%	60,638	60,569	-69	-0.1%
6.2%	60,379	59,766	-613	-1.0%
7.4%	59,711	59,498	-213	-0.4%
8.6%	58,242	58,039	-203	-0.3%
9.9%	56,426	56,731	306	0.5%
11.1%	56,377	55,995	-382	-0.7%
12.3%	55,267	54,719	-548	-1.0%
13.6%	52,521	52,436	-85	-0.2%
14.8%	52,474	50,816	-1,658	-3.2%
16.0%	51,413	50,724	-689	-1.3%
17.3%	50,461	49,031	-1,430	-2.8%
18.5%	48,786	47,559	-1,227	-2.5%
19.8%	48,748	47,511	-1,237	-2.5%
21.0%	48,744	47,133	-1,611	-3.3%
22.2%	47,966	46,519	-1,447	-3.0%
23.5%	47,090	45,928	-1,162	-2.5%
24.7%	44,673	44,717	44	0.1%
25.9%	44,222	42,372	-1,849	-4.2%
27.2%	41,733	41,532	-201	-0.5%
28.4%	41,609	39,412	-2,197	-5.3%
29.6%	37,802	38,087	285	0.8%
30.9%	35,445	35,147	-298	-0.8%
32.1%	34,611	32,510	-2,101	-6.1%
33.3%	32,786	30,606	-2,180	-6.6%
34.6%	32,398	29,371	-3,027	-9.3%
35.8%	31,253	29,080	-2,173	-7.0%
37.0%	30,699	28,651	-2,047	-6.7%
38.3%	30,661	28,079	-2,582	-8.4%
39.5%	30,335	26,805	-3,530	-11.6%
40.7%	30,223	25,400	-4,823	-16.0%
42.0%	27,896	23,907	-3,989	-14.3%
43.2%	25,120	21,755	-3,366	-13.4%
44.4%	23,854	21,013	-2,841	-11.9%
45.7%	23,487	20,884	-2,604	-11.1%
46.9%	22,677	19,945	-2,732	-12.0%
48.1%	21,563	18,578	-2,985	-13.8%
49.4%	21,088	17,546	-3,541	-16.8%
50.6%	20,761	17,350	-3,411	-16.4%
51.9%	20,330	17,252	-3,078	-15.1%
53.1%	20,317	16,215	-4,102	-20.2%
54.3%	19,428	16,116	-3,312	-17.0%
55.6%	18,903	15,719	-3,184	-16.8%
56.8%	18,570	15,267	-3,303	-17.8%
58.0%	18,569	14,960	-3,608	-19.4%
59.3%	17,552	13,945	-3,607	-20.5%
60.5%	16,000	13,859	-2,141	-13.4%
61.7%	15,831	13,519	-2,312	-14.6%
63.0%	15,538	13,441	-2,096	-13.5%
64.2%	15,285	13,423	-1,862	-12.2%
65.4%	15,030	13,046	-1,984	-13.2%
66.7%	14,720	12,817	-1,904	-12.9%
67.9%	14,674	12,772	-1,902	-13.0%
69.1%	14,548	12,751	-1,797	-12.4%
70.4%	13,769	12,594	-1,175	-8.5%
71.6%	12,953	12,307	-647	-5.0%
72.8%	12,700	12,244	-456	-3.6%
74.1%	12,509	11,854	-654	-5.2%
75.3%	12,189	11,817	-373	-3.1%
76.5%	11,874	11,402	-472	-4.0%
77.8%	11,829	11,342	-487	-4.1%
79.0%	11,794	11,299	-495	-4.2%
80.2%	11,419	10,993	-426	-3.7%
81.5%	11,317	10,985	-332	-2.9%
82.7%	10,985	10,965	-21	-0.2%
84.0%	10,965	10,907	-58	-0.5%
85.2%	10,871	10,868	-4	0.0%
86.4%	10,852	10,845	-8	-0.1%
87.7%	10,619	10,779	160	1.5%
88.9%	10,503	10,537	34	0.3%
90.1%	10,307	10,274	-33	-0.3%
91.4%	10,050	10,084	33	0.3%
92.6%	9,578	9,664	85	0.9%
93.8%	9,426	9,393	-33	-0.4%
95.1%	8,839	8,903	65	0.7%
96.3%	8,797	8,741	-55	-0.6%
97.5%	8,499	8,507	8	0.1%
98.8%	7,842	8,171	329	4.2%
100.0%	6,454	6,365	-88	-1.4%

Table SW-16-b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	75,622	75,618	-4	0.0%
1.2%	69,422	69,543	121	0.2%
2.5%	67,603	67,022	-581	-0.9%
3.7%	66,455	66,174	-281	-0.4%
4.9%	65,722	65,711	-11	0.0%
6.2%	65,087	65,109	22	0.0%
7.4%	64,759	64,271	-488	-0.8%
8.6%	61,203	60,965	-237	-0.4%
9.9%	61,150	60,628	-522	-0.9%
11.1%	60,985	60,524	-460	-0.8%
12.3%	60,858	60,507	-351	-0.6%
13.6%	59,096	58,973	-123	-0.2%
14.8%	58,939	58,473	-466	-0.8%
16.0%	58,336	57,943	-393	-0.7%
17.3%	57,954	57,295	-658	-1.1%
18.5%	57,574	57,228	-345	-0.6%
19.8%	56,757	57,060	302	0.5%
21.0%	56,531	56,759	227	0.4%
22.2%	54,520	53,364	-1,156	-2.1%
23.5%	53,320	52,122	-1,198	-2.2%
24.7%	52,643	51,784	-858	-1.6%
25.9%	52,567	51,486	-1,081	-2.1%
27.2%	50,853	50,546	-307	-0.6%
28.4%	48,664	47,006	-1,658	-3.4%
29.6%	44,962	44,968	6	0.0%
30.9%	44,171	44,257	86	0.2%
32.1%	43,948	43,156	-792	-1.8%
33.3%	43,139	42,776	-363	-0.8%
34.6%	42,756	41,691	-1,065	-2.5%
35.8%	42,685	41,654	-1,031	-2.4%
37.0%	42,365	40,851	-1,513	-3.6%
38.3%	40,271	39,434	-836	-2.1%
39.5%	40,089	37,919	-2,169	-5.4%
40.7%	37,482	37,392	-89	-0.2%
42.0%	37,379	37,337	-42	-0.1%
43.2%	37,282	37,287	5	0.0%
44.4%	37,200	35,863	-1,337	-3.6%
45.7%	36,438	34,940	-1,497	-4.1%
46.9%	35,866	33,293	-2,574	-7.2%
48.1%	33,727	31,192	-2,534	-7.5%
49.4%	29,638	28,699	-939	-3.2%
50.6%	29,499	26,748	-2,751	-9.3%
51.9%	29,444	26,678	-2,766	-9.4%
53.1%	28,949	26,581	-2,368	-8.2%
54.3%	28,496	26,085	-2,411	-8.5%
55.6%	28,326	25,293	-3,033	-10.7%
56.8%	26,918	23,940	-2,979	-11.1%
58.0%	24,564	23,411	-1,153	-4.7%
59.3%	24,341	21,220	-3,122	-12.8%
60.5%	23,917	20,219	-3,698	-15.5%
61.7%	23,588	20,202	-3,386	-14.4%
63.0%	23,531	20,191	-3,341	-14.2%
64.2%	23,024	20,190	-2,835	-12.3%
65.4%	22,162	19,373	-2,789	-12.6%
66.7%	21,087	18,998	-2,088	-9.9%
67.9%	20,224	18,454	-1,770	-8.8%
69.1%	19,691	18,109	-1,581	-8.0%
70.4%	18,392	17,855	-538	-2.9%
71.6%	17,890	15,645	-2,244	-12.5%
72.8%	17,844	14,850	-2,995	-16.8%
74.1%	16,927	14,829	-2,098	-12.4%
75.3%	16,909	14,814	-2,095	-12.4%
76.5%	16,305	14,694	-1,611	-9.9%
77.8%	16,245	14,568	-1,678	-10.3%
79.0%	15,594	14,491	-1,104	-7.1%
80.2%	14,805	14,073	-732	-4.9%
81.5%	14,609	13,764	-845	-5.8%
82.7%	14,237	13,503	-734	-5.2%
84.0%	13,986	13,500	-487	-3.5%
85.2%	13,803	12,984	-819	-5.9%
86.4%	13,693	12,620	-1,073	-7.8%
87.7%	13,502	12,527	-975	-7.2%
88.9%	13,107	12,260	-847	-6.5%
90.1%	12,982	12,225	-756	-5.8%
91.4%	12,907	11,732	-1,175	-9.1%
92.6%	12,892	11,251	-1,641	-12.7%
93.8%	12,801	10,541	-2,261	-17.7%
95.1%	11,719	10,052	-1,668	-14.2%
96.3%	9,944	9,824	-120	-1.2%
97.5%	9,481	9,396	-85	-0.9%
98.8%	8,530	9,331	801	9.4%
100.0%	8,178	8,917	739	9.0%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	72,274	72,271	-4	0.0%
1.2%	69,838	69,160	-677	-1.0%
2.5%	64,683	64,684	0	0.0%
3.7%	61,913	61,165	-748	-1.2%
4.9%	60,665	60,196	-470	-0.8%
6.2%	60,194	59,842	-352	-0.6%
7.4%	59,081	58,369	-712	-1.2%
8.6%	56,439	56,430	-9	0.0%
9.9%	55,161	55,165	4	0.0%
11.1%	54,689	55,136	447	0.8%
12.3%	54,323	54,341	18	0.0%
13.6%	53,837	51,942	-1,896	-3.5%
14.8%	51,145	50,880	-265	-0.5%
16.0%	49,967	49,966	-1	0.0%
17.3%	49,605	49,608	2	0.0%
18.5%	49,028	48,780	-248	-0.5%
19.8%	48,063	47,763	-299	-0.6%
21.0%	46,539	46,243	-296	-0.6%
22.2%	45,456	44,088	-1,368	-3.0%
23.5%	44,990	43,583	-1,407	-3.1%
24.7%	43,724	41,835	-1,889	-4.3%
25.9%	42,910	41,486	-1,424	-3.3%
27.2%	41,580	41,176	-404	-1.0%
28.4%	41,558	39,733	-1,825	-4.4%
29.6%	40,985	38,473	-2,512	-6.1%
30.9%	40,968	37,649	-3,319	-8.1%
32.1%	38,739	36,678	-2,061	-5.3%
33.3%	35,113	34,476	-637	-1.8%
34.6%	34,325	34,279	-46	-0.1%
35.8%	33,379	33,744	365	1.1%
37.0%	33,134	32,979	-154	-0.5%
38.3%	33,024	31,434	-1,590	-4.8%
39.5%	32,182	30,384	-1,798	-5.6%
40.7%	32,092	28,543	-3,549	-11.1%
42.0%	31,483	26,561	-4,922	-15.6%
43.2%	30,378	26,228	-4,150	-13.7%
44.4%	30,367	25,928	-4,439	-14.6%
45.7%	27,895	25,375	-2,520	-9.0%
46.9%	25,983	21,948	-4,035	-15.5%
48.1%	24,995	21,563	-3,432	-13.7%
49.4%	24,310	21,419	-2,890	-11.9%
50.6%	24,153	21,295	-2,858	-11.8%
51.9%	23,797	20,698	-3,100	-13.0%
53.1%	21,726	20,647	-1,079	-5.0%
54.3%	21,400	20,604	-796	-3.7%
55.6%	21,119	19,725	-1,393	-6.6%
56.8%	20,757	19,609	-1,149	-5.5%
58.0%	20,727	18,933	-1,795	-8.7%
59.3%	20,666	18,184	-2,482	-12.0%
60.5%	20,614	17,865	-2,749	-13.3%
61.7%	20,283	17,045	-3,237	-16.0%
63.0%	20,161	16,650	-3,511	-17.4%
64.2%	19,330	16,620	-2,710	-14.0%
65.4%	19,077	16,607	-2,470	-12.9%
66.7%	18,143	15,839	-2,304	-12.7%
67.9%	17,073	15,663	-1,410	-8.3%
69.1%	16,796	15,223	-1,573	-9.4%
70.4%	16,152	15,203	-949	-5.9%
71.6%	15,441	14,839	-603	-3.9%
72.8%	15,373	14,329	-1,044	-6.8%
74.1%	15,234	13,617	-1,617	-10.6%
75.3%	14,926	12,851	-2,075	-13.9%
76.5%	14,641	12,560	-2,082	-14.2%
77.8%	14,364	12,297	-2,067	-14.4%
79.0%	13,602	12,194	-1,408	-10.4%
80.2%	13,139	11,761	-1,377	-10.5%
81.5%	13,127	11,632	-1,495	-11.4%
82.7%	12,848	11,368	-1,479	-11.5%
84.0%	12,349	10,714	-1,635	-13.2%
85.2%	11,492	10,698	-794	-6.9%
86.4%	10,864	10,594	-270	-2.5%
87.7%	10,838	10,561	-277	-2.6%
88.9%	10,389	10,136	-253	-2.4%
90.1%	10,107	10,028	-78	-0.8%
91.4%	9,967	9,996	30	0.3%
92.6%	9,645	9,673	29	0.3%
93.8%	9,578	9,483	-95	-1.0%
95.1%	9,337	9,361	25	0.3%
96.3%	9,048	9,344	295	3.3%
97.5%	8,778	8,833	54	0.6%
98.8%	7,834	7,763	-71	-0.9%
100.0%	7,374	7,385	11	0.1%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,468	59,463	-6	0.0%
1.2%	57,771	57,317	-454	-0.8%
2.5%	57,316	57,161	-155	-0.3%
3.7%	47,484	47,486	3	0.0%
4.9%	47,008	45,585	-1,423	-3.0%
6.2%	45,377	45,372	-4	0.0%
7.4%	41,269	41,898	628	1.5%
8.6%	41,207	41,284	77	0.2%
9.9%	39,892	37,827	-2,065	-5.2%
11.1%	37,776	36,983	-794	-2.1%
12.3%	36,532	36,526	-6	0.0%
13.6%	33,693	33,691	-2	0.0%
14.8%	32,997	32,970	-27	-0.1%
16.0%	31,333	30,452	-882	-2.8%
17.3%	30,937	28,224	-2,713	-8.8%
18.5%	30,533	28,182	-2,351	-7.7%
19.8%	28,499	25,812	-2,686	-9.4%
21.0%	27,937	24,883	-3,053	-10.9%
22.2%	25,013	24,073	-940	-3.8%
23.5%	22,885	23,209	323	1.4%
24.7%	22,363	22,315	-48	-0.2%
25.9%	21,696	21,584	-112	-0.5%
27.2%	21,054	21,106	51	0.2%
28.4%	20,656	19,415	-1,241	-6.0%
29.6%	18,529	18,410	-120	-0.6%
30.9%	18,358	18,233	-125	-0.7%
32.1%	17,425	18,081	655	3.8%
33.3%	16,673	16,626	-46	-0.3%
34.6%	16,160	15,863	-296	-1.8%
35.8%	15,864	14,825	-1,039	-6.5%
37.0%	15,013	14,727	-287	-1.9%
38.3%	14,980	14,710	-269	-1.8%
39.5%	14,168	13,795	-373	-2.6%
40.7%	13,918	13,342	-577	-4.1%
42.0%	13,204	13,257	52	0.4%
43.2%	13,204	12,942	-262	-2.0%
44.4%	12,926	12,882	-45	-0.3%
45.7%	12,894	12,725	-169	-1.3%
46.9%	12,213	12,614	401	3.3%
48.1%	11,829	12,067	238	2.0%
49.4%	11,588	11,978	390	3.4%
50.6%	11,513	11,574	61	0.5%
51.9%	11,112	11,284	171	1.5%
53.1%	11,075	11,167	92	0.8%
54.3%	11,048	10,981	-67	-0.6%
55.6%	10,959	10,925	-34	-0.3%
56.8%	10,756	10,800	43	0.4%
58.0%	10,460	10,665	205	2.0%
59.3%	10,362	10,646	283	2.7%
60.5%	10,269	10,630	360	3.5%
61.7%	10,194	10,338	144	1.4%
63.0%	10,151	10,326	175	1.7%
64.2%	10,130	10,312	182	1.8%
65.4%	10,115	10,299	183	1.8%
66.7%	9,993	10,290	298	3.0%
67.9%	9,942	10,274	332	3.3%
69.1%	9,833	10,225	392	4.0%
70.4%	9,713	9,934	221	2.3%
71.6%	9,559	9,867	308	3.2%
72.8%	9,259	9,806	548	5.9%
74.1%	9,197	9,528	330	3.6%
75.3%	9,171	9,232	61	0.7%
76.5%	9,128	9,063	-65	-0.7%
77.8%	9,082	8,950	-132	-1.5%
79.0%	8,835	8,828	-6	-0.1%
80.2%	8,717	8,783	66	0.8%
81.5%	8,553	8,543	-11	-0.1%
82.7%	8,544	8,537	-7	-0.1%
84.0%	8,432	8,468	36	0.4%
85.2%	8,411	8,322	-89	-1.1%
86.4%	8,329	8,042	-286	-3.4%
87.7%	8,086	7,723	-362	-4.5%
88.9%	7,725	7,672	-53	-0.7%
90.1%	7,609	7,630	20	0.3%
91.4%	7,592	7,607	15	0.2%
92.6%	7,478	7,438	-40	-0.5%
93.8%	7,284	7,229	-56	-0.8%
95.1%	7,125	7,117	-7	-0.1%
96.3%	6,983	6,976	-7	-0.1%
97.5%	6,428	6,486	58	0.9%
98.8%	6,402	6,434	32	0.5%
100.0%	6,091	6,079	-12	-0.2%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,159	43,032	-1,127	-2.6%
1.2%	31,165	31,343	178	0.6%
2.5%	30,152	30,047	-105	-0.3%
3.7%	27,574	27,350	-224	-0.8%
4.9%	26,475	26,479	4	0.0%
6.2%	25,221	22,886	-2,336	-9.3%
7.4%	21,429	21,264	-165	-0.8%
8.6%	20,876	20,712	-164	-0.8%
9.9%	18,139	18,020	-119	-0.7%
11.1%	18,035	16,011	-2,024	-11.2%
12.3%	16,253	15,988	-266	-1.6%
13.6%	16,227	15,963	-264	-1.6%
14.8%	16,110	15,132	-979	-6.1%
16.0%	13,451	13,556	105	0.8%
17.3%	13,331	12,369	-962	-7.2%
18.5%	12,522	11,647	-875	-7.0%
19.8%	11,524	11,443	-81	-0.7%
21.0%	11,425	11,394	-32	-0.3%
22.2%	11,299	11,214	-85	-0.8%
23.5%	10,870	10,983	113	1.0%
24.7%	10,737	10,657	-80	-0.7%
25.9%	10,706	10,376	-331	-3.1%
27.2%	10,461	10,366	-95	-0.9%
28.4%	10,413	10,365	-49	-0.5%
29.6%	10,404	10,339	-65	-0.6%
30.9%	9,832	9,672	-160	-1.6%
32.1%	9,677	9,580	-97	-1.0%
33.3%	9,635	9,551	-84	-0.9%
34.6%	9,540	9,506	-33	-0.4%
35.8%	9,280	9,435	155	1.7%
37.0%	9,211	9,209	-2	0.0%
38.3%	9,203	9,149	-54	-0.6%
39.5%	9,126	9,129	3	0.0%
40.7%	9,121	9,077	-44	-0.5%
42.0%	9,019	9,025	7	0.1%
43.2%	9,008	8,953	-55	-0.6%
44.4%	8,984	8,897	-87	-1.0%
45.7%	8,940	8,835	-104	-1.2%
46.9%	8,843	8,801	-43	-0.5%
48.1%	8,823	8,747	-75	-0.9%
49.4%	8,784	8,721	-62	-0.7%
50.6%	8,765	8,718	-47	-0.5%
51.9%	8,718	8,712	-6	-0.1%
53.1%	8,666	8,665	-1	0.0%
54.3%	8,643	8,533	-109	-1.3%
55.6%	8,637	8,512	-125	-1.4%
56.8%	8,611	8,499	-112	-1.3%
58.0%	8,599	8,439	-160	-1.9%
59.3%	8,505	8,413	-92	-1.1%
60.5%	8,401	8,412	11	0.1%
61.7%	8,334	8,334	0	0.0%
63.0%	8,332	8,291	-42	-0.5%
64.2%	8,304	8,287	-17	-0.2%
65.4%	8,294	8,193	-101	-1.2%
66.7%	8,286	8,147	-139	-1.7%
67.9%	8,206	8,093	-113	-1.4%
69.1%	8,166	8,077	-89	-1.1%
70.4%	8,138	7,998	-140	-1.7%
71.6%	8,085	7,941	-144	-1.8%
72.8%	7,973	7,848	-124	-1.6%
74.1%	7,944	7,804	-140	-1.8%
75.3%	7,868	7,799	-69	-0.9%
76.5%	7,867	7,701	-166	-2.1%
77.8%	7,840	7,661	-179	-2.3%
79.0%	7,756	7,643	-113	-1.5%
80.2%	7,652	7,430	-222	-2.9%
81.5%	7,507	7,409	-98	-1.3%
82.7%	7,473	7,345	-128	-1.7%
84.0%	7,371	7,190	-182	-2.5%
85.2%	7,311	7,163	-148	-2.0%
86.4%	7,240	7,129	-112	-1.5%
87.7%	7,238	6,998	-240	-3.3%
88.9%	7,140	6,929	-211	-3.0%
90.1%	7,032	6,916	-116	-1.6%
91.4%	6,946	6,742	-205	-2.9%
92.6%	6,937	6,627	-310	-4.5%
93.8%	6,655	6,299	-356	-5.3%
95.1%	6,465	6,254	-212	-3.3%
96.3%	5,795	6,221	426	7.4%
97.5%	5,740	5,496	-244	-4.3%
98.8%	5,142	5,372	230	4.5%
100.0%	4,841	4,789	-52	-1.1%

Table SW-16-b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	28,387	29,188	801	2.8%
1.2%	15,835	18,441	2,606	16.5%
2.5%	14,586	14,392	-194	-1.3%
3.7%	13,898	13,755	-143	-1.0%
4.9%	13,013	13,363	350	2.7%
6.2%	12,991	13,240	249	1.9%
7.4%	12,846	13,054	208	1.6%
8.6%	12,725	13,014	289	2.3%
9.9%	12,713	12,617	-96	-0.8%
11.1%	12,589	12,280	-309	-2.5%
12.3%	12,524	12,209	-315	-2.5%
13.6%	12,493	12,149	-344	-2.8%
14.8%	12,319	12,136	-183	-1.5%
16.0%	12,245	12,020	-225	-1.8%
17.3%	12,222	12,019	-204	-1.7%
18.5%	12,124	12,017	-107	-0.9%
19.8%	12,052	12,006	-46	-0.4%
21.0%	12,019	11,934	-85	-0.7%
22.2%	12,018	11,915	-104	-0.9%
23.5%	11,985	11,882	-104	-0.9%
24.7%	11,922	11,878	-44	-0.4%
25.9%	11,898	11,859	-40	-0.3%
27.2%	11,828	11,839	11	0.1%
28.4%	11,786	11,810	24	0.2%
29.6%	11,655	11,675	20	0.2%
30.9%	11,517	11,642	125	1.1%
32.1%	11,469	11,586	117	1.0%
33.3%	11,297	11,585	289	2.6%
34.6%	11,170	11,520	351	3.1%
35.8%	11,010	11,416	406	3.7%
37.0%	10,989	11,354	364	3.3%
38.3%	10,922	11,326	404	3.7%
39.5%	10,913	11,243	330	3.0%
40.7%	10,896	11,220	323	3.0%
42.0%	10,890	11,211	321	3.0%
43.2%	10,855	11,200	345	3.2%
44.4%	10,791	11,148	358	3.3%
45.7%	10,704	11,046	343	3.2%
46.9%	10,553	11,042	489	4.6%
48.1%	10,447	10,963	517	4.9%
49.4%	10,328	10,926	597	5.8%
50.6%	10,326	10,913	587	5.7%
51.9%	10,196	10,899	703	6.9%
53.1%	10,146	10,894	748	7.4%
54.3%	10,115	10,689	575	5.7%
55.6%	9,975	10,598	623	6.3%
56.8%	9,964	10,580	616	6.2%
58.0%	9,932	10,553	621	6.3%
59.3%	9,883	10,472	590	6.0%
60.5%	9,814	10,390	576	5.9%
61.7%	9,782	10,268	486	5.0%
63.0%	9,734	10,200	466	4.8%
64.2%	9,709	10,008	299	3.1%
65.4%	9,691	9,981	290	3.0%
66.7%	9,604	9,969	365	3.8%
67.9%	9,518	9,882	365	3.8%
69.1%	9,495	9,771	276	2.9%
70.4%	9,465	9,717	252	2.7%
71.6%	9,461	9,673	212	2.2%
72.8%	9,352	9,584	232	2.5%
74.1%	9,348	9,555	206	2.2%
75.3%	9,294	9,499	205	2.2%
76.5%	9,220	9,437	217	2.4%
77.8%	9,193	9,410	217	2.4%
79.0%	9,163	9,362	199	2.2%
80.2%	9,029	9,234	205	2.3%
81.5%	8,870	9,119	250	2.8%
82.7%	8,687	9,093	405	4.7%
84.0%	8,314	8,894	580	7.0%
85.2%	8,269	8,867	598	7.2%
86.4%	8,164	8,832	668	8.2%
87.7%	8,119	8,822	703	8.7%
88.9%	7,989	8,707	719	9.0%
90.1%	7,886	8,658	771	9.8%
91.4%	7,757	8,646	890	11.5%
92.6%	7,668	8,425	757	9.9%
93.8%	7,271	8,345	1,074	14.8%
95.1%	7,241	8,106	866	12.0%
96.3%	7,107	7,618	511	7.2%
97.5%	6,868	7,118	250	3.6%
98.8%	6,798	7,040	242	3.6%
100.0%	5,868	6,435	567	9.7%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,697	22,405	1,709	8.3%
1.2%	20,536	21,799	1,263	6.2%
2.5%	19,982	21,409	1,428	7.1%
3.7%	19,524	21,144	1,621	8.3%
4.9%	19,346	20,941	1,595	8.2%
6.2%	19,289	20,458	1,169	6.1%
7.4%	19,275	20,313	1,037	5.4%
8.6%	19,254	20,274	1,020	5.3%
9.9%	19,247	20,135	888	4.6%
11.1%	19,238	20,131	893	4.6%
12.3%	19,142	19,817	676	3.5%
13.6%	19,140	19,574	434	2.3%
14.8%	19,115	19,549	434	2.3%
16.0%	19,014	19,547	532	2.8%
17.3%	18,966	19,508	543	2.9%
18.5%	18,959	19,412	453	2.4%
19.8%	18,918	19,392	474	2.5%
21.0%	18,908	19,361	452	2.4%
22.2%	18,838	19,346	509	2.7%
23.5%	18,649	19,312	664	3.6%
24.7%	18,565	19,268	703	3.8%
25.9%	18,519	19,205	687	3.7%
27.2%	18,506	19,176	671	3.6%
28.4%	18,438	19,141	702	3.8%
29.6%	18,429	19,131	702	3.8%
30.9%	18,310	19,129	819	4.5%
32.1%	18,288	19,102	814	4.5%
33.3%	18,143	18,987	844	4.7%
34.6%	18,135	18,981	846	4.7%
35.8%	18,127	18,968	841	4.6%
37.0%	18,117	18,942	825	4.6%
38.3%	18,045	18,916	871	4.8%
39.5%	17,965	18,712	747	4.2%
40.7%	17,893	18,686	793	4.4%
42.0%	17,850	18,672	822	4.6%
43.2%	17,824	18,557	733	4.1%
44.4%	17,450	18,460	1,010	5.8%
45.7%	17,407	18,407	1,000	5.7%
46.9%	17,257	18,404	1,147	6.6%
48.1%	17,224	18,147	923	5.4%
49.4%	17,184	17,997	814	4.7%
50.6%	17,163	17,984	821	4.8%
51.9%	17,124	17,946	822	4.8%
53.1%	17,099	17,897	799	4.7%
54.3%	16,976	17,766	790	4.7%
55.6%	16,898	17,581	683	4.0%
56.8%	16,860	17,524	665	3.9%
58.0%	16,797	17,187	390	2.3%
59.3%	16,787	17,176	389	2.3%
60.5%	16,648	17,112	465	2.8%
61.7%	16,595	17,103	509	3.1%
63.0%	16,391	16,989	598	3.6%
64.2%	16,211	16,966	756	4.7%
65.4%	16,143	16,852	709	4.4%
66.7%	15,719	16,776	1,057	6.7%
67.9%	15,657	16,610	952	6.1%
69.1%	15,637	16,594	957	6.1%
70.4%	15,257	16,339	1,082	7.1%
71.6%	15,112	16,250	1,138	7.5%
72.8%	14,588	16,061	1,473	10.1%
74.1%	14,278	15,358	1,080	7.6%
75.3%	13,989	15,135	1,145	8.2%
76.5%	13,486	15,108	1,622	12.0%
77.8%	12,631	15,082	2,450	19.4%
79.0%	12,523	14,862	2,339	18.7%
80.2%	12,494	14,722	2,228	17.8%
81.5%	12,055	14,710	2,655	22.0%
82.7%	11,927	12,138	210	1.8%
84.0%	11,894	12,101	207	1.7%
85.2%	11,807	11,910	103	0.9%
86.4%	11,701	11,838	138	1.2%
87.7%	11,462	11,751	289	2.5%
88.9%	11,229	11,669	440	3.9%
90.1%	10,173	11,385	1,212	11.9%
91.4%	9,944	11,118	1,174	11.8%
92.6%	9,611	10,586	975	10.1%
93.8%	9,340	10,584	1,244	13.3%
95.1%	9,200	9,590	391	4.2%
96.3%	8,527	9,336	809	9.5%
97.5%	8,347	8,865	518	6.2%
98.8%	8,031	8,552	522	6.5%
100.0%	7,919	8,331	412	5.2%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,067	16,150	83	0.5%
1.2%	16,047	16,048	1	0.0%
2.5%	15,995	16,026	31	0.2%
3.7%	15,730	15,827	97	0.6%
4.9%	15,617	15,665	48	0.3%
6.2%	15,479	15,426	-53	-0.3%
7.4%	15,391	15,270	-121	-0.8%
8.6%	15,289	15,233	-56	-0.4%
9.9%	15,275	15,183	-92	-0.6%
11.1%	15,228	15,167	-61	-0.4%
12.3%	15,183	15,156	-26	-0.2%
13.6%	14,830	15,101	270	1.8%
14.8%	14,709	14,870	162	1.1%
16.0%	14,704	14,793	90	0.6%
17.3%	14,688	14,709	21	0.1%
18.5%	14,595	14,706	111	0.8%
19.8%	14,589	14,620	31	0.2%
21.0%	14,499	14,565	65	0.4%
22.2%	14,466	14,427	-39	-0.3%
23.5%	14,429	14,386	-43	-0.3%
24.7%	14,389	14,375	-14	-0.1%
25.9%	14,359	14,356	-3	0.0%
27.2%	14,063	14,278	215	1.5%
28.4%	13,969	14,185	216	1.5%
29.6%	13,839	14,137	298	2.2%
30.9%	13,806	14,052	246	1.8%
32.1%	13,787	13,919	132	1.0%
33.3%	13,768	13,810	42	0.3%
34.6%	13,732	13,791	58	0.4%
35.8%	13,705	13,787	82	0.6%
37.0%	13,622	13,776	154	1.1%
38.3%	13,498	13,740	242	1.8%
39.5%	13,328	13,731	403	3.0%
40.7%	13,323	13,703	379	2.8%
42.0%	13,288	13,568	280	2.1%
43.2%	13,202	13,556	355	2.7%
44.4%	13,183	13,517	334	2.5%
45.7%	13,179	13,367	188	1.4%
46.9%	13,164	13,338	174	1.3%
48.1%	13,100	13,330	229	1.8%
49.4%	13,075	13,311	237	1.8%
50.6%	13,070	13,222	152	1.2%
51.9%	12,964	13,081	117	0.9%
53.1%	12,889	12,963	74	0.6%
54.3%	12,828	12,915	87	0.7%
55.6%	12,685	12,785	100	0.8%
56.8%	12,662	12,783	120	1.0%
58.0%	12,659	12,775	116	0.9%
59.3%	12,656	12,757	101	0.8%
60.5%	12,600	12,676	76	0.6%
61.7%	12,431	12,636	205	1.6%
63.0%	12,405	12,466	62	0.5%
64.2%	12,271	12,309	38	0.3%
65.4%	12,098	12,276	179	1.5%
66.7%	12,015	12,198	183	1.5%
67.9%	11,448	12,167	719	6.3%
69.1%	10,988	12,156	1,168	10.6%
70.4%	10,751	12,005	1,254	11.7%
71.6%	10,407	11,897	1,489	14.3%
72.8%	10,015	11,854	1,839	18.4%
74.1%	9,848	11,419	1,571	16.0%
75.3%	8,604	10,859	2,255	26.2%
76.5%	8,298	10,590	2,292	27.6%
77.8%	8,229	10,582	2,352	28.6%
79.0%	8,161	10,436	2,275	27.9%
80.2%	7,999	10,335	2,336	29.2%
81.5%	7,889	10,029	2,140	27.1%
82.7%	7,846	9,540	1,694	21.6%
84.0%	7,687	9,421	1,734	22.6%
85.2%	7,479	9,117	1,638	21.9%
86.4%	7,381	8,557	1,176	15.9%
87.7%	7,361	8,505	1,144	15.5%
88.9%	7,286	8,443	1,157	15.9%
90.1%	7,072	8,194	1,122	15.9%
91.4%	7,008	8,000	992	14.2%
92.6%	6,741	7,963	1,223	18.1%
93.8%	6,725	7,740	1,015	15.1%
95.1%	6,604	7,592	988	15.0%
96.3%	6,474	7,557	1,083	16.7%
97.5%	6,004	7,526	1,521	25.3%
98.8%	5,768	7,024	1,256	21.8%
100.0%	5,648	6,838	1,190	21.1%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	27,827	27,821	-6	0.0%
1.2%	26,197	26,501	304	1.2%
2.5%	26,184	26,182	-2	0.0%
3.7%	25,437	26,142	705	2.8%
4.9%	25,008	25,767	759	3.0%
6.2%	24,444	25,512	1,068	4.4%
7.4%	24,296	25,300	1,004	4.1%
8.6%	24,022	25,067	1,045	4.4%
9.9%	23,940	25,018	1,078	4.5%
11.1%	23,566	24,181	616	2.6%
12.3%	23,230	23,981	751	3.2%
13.6%	22,942	23,656	714	3.1%
14.8%	22,880	23,057	177	0.8%
16.0%	22,837	23,003	166	0.7%
17.3%	21,617	22,679	1,062	4.9%
18.5%	21,507	22,367	860	4.0%
19.8%	21,285	21,692	407	1.9%
21.0%	21,100	21,581	482	2.3%
22.2%	20,916	21,094	178	0.8%
23.5%	20,792	20,673	-119	-0.6%
24.7%	20,773	20,430	-342	-1.6%
25.9%	20,273	20,149	-125	-0.6%
27.2%	20,162	20,020	-142	-0.7%
28.4%	20,031	19,954	-77	-0.4%
29.6%	19,990	19,886	-104	-0.5%
30.9%	19,975	19,879	-96	-0.5%
32.1%	19,903	19,685	-218	-1.1%
33.3%	19,764	19,654	-110	-0.6%
34.6%	19,092	19,182	91	0.5%
35.8%	18,149	18,995	845	4.7%
37.0%	17,882	18,858	977	5.5%
38.3%	17,445	17,363	-81	-0.5%
39.5%	16,593	16,250	-342	-2.1%
40.7%	15,258	14,748	-510	-3.3%
42.0%	13,590	14,656	1,066	7.8%
43.2%	13,403	14,101	698	5.2%
44.4%	13,172	13,892	719	5.5%
45.7%	12,759	13,836	1,077	8.4%
46.9%	12,758	13,263	505	4.0%
48.1%	12,373	13,250	876	7.1%
49.4%	12,372	13,048	676	5.5%
50.6%	12,346	12,972	627	5.1%
51.9%	12,159	12,950	791	6.5%
53.1%	12,120	12,927	807	6.7%
54.3%	11,792	12,924	1,132	9.6%
55.6%	11,724	12,839	1,115	9.5%
56.8%	11,701	12,802	1,101	9.4%
58.0%	11,675	12,774	1,099	9.4%
59.3%	11,586	12,709	1,123	9.7%
60.5%	11,271	12,703	1,432	12.7%
61.7%	10,683	12,424	1,742	16.3%
63.0%	10,570	12,387	1,817	17.2%
64.2%	10,444	12,270	1,826	17.5%
65.4%	10,177	12,172	1,995	19.6%
66.7%	9,934	12,086	2,151	21.7%
67.9%	9,924	11,858	1,934	19.5%
69.1%	9,344	11,743	2,399	25.7%
70.4%	9,282	11,560	2,279	24.6%
71.6%	9,172	11,440	2,268	24.7%
72.8%	9,059	11,323	2,265	25.0%
74.1%	8,943	11,100	2,157	24.1%
75.3%	8,662	11,021	2,360	27.2%
76.5%	8,547	11,020	2,474	28.9%
77.8%	8,290	10,792	2,502	30.2%
79.0%	8,221	10,714	2,492	30.3%
80.2%	8,143	10,705	2,562	31.5%
81.5%	8,031	10,626	2,595	32.3%
82.7%	7,870	9,914	2,044	26.0%
84.0%	7,825	9,789	1,964	25.1%
85.2%	7,762	9,727	1,966	25.3%
86.4%	7,662	9,665	2,002	26.1%
87.7%	7,394	9,232	1,838	24.9%
88.9%	7,336	9,215	1,880	25.6%
90.1%	7,254	9,082	1,828	25.2%
91.4%	7,145	8,958	1,813	25.4%
92.6%	6,651	7,949	1,298	19.5%
93.8%	6,019	7,927	1,907	31.7%
95.1%	5,850	7,403	1,554	26.6%
96.3%	5,786	7,386	1,600	27.7%
97.5%	5,321	7,049	1,728	32.5%
98.8%	5,301	5,993	691	13.0%
100.0%	4,946	5,884	938	19.0%

Figure SW-17-b
Sacramento River at Freeport, Monthly Flow
Probability of Exceedance

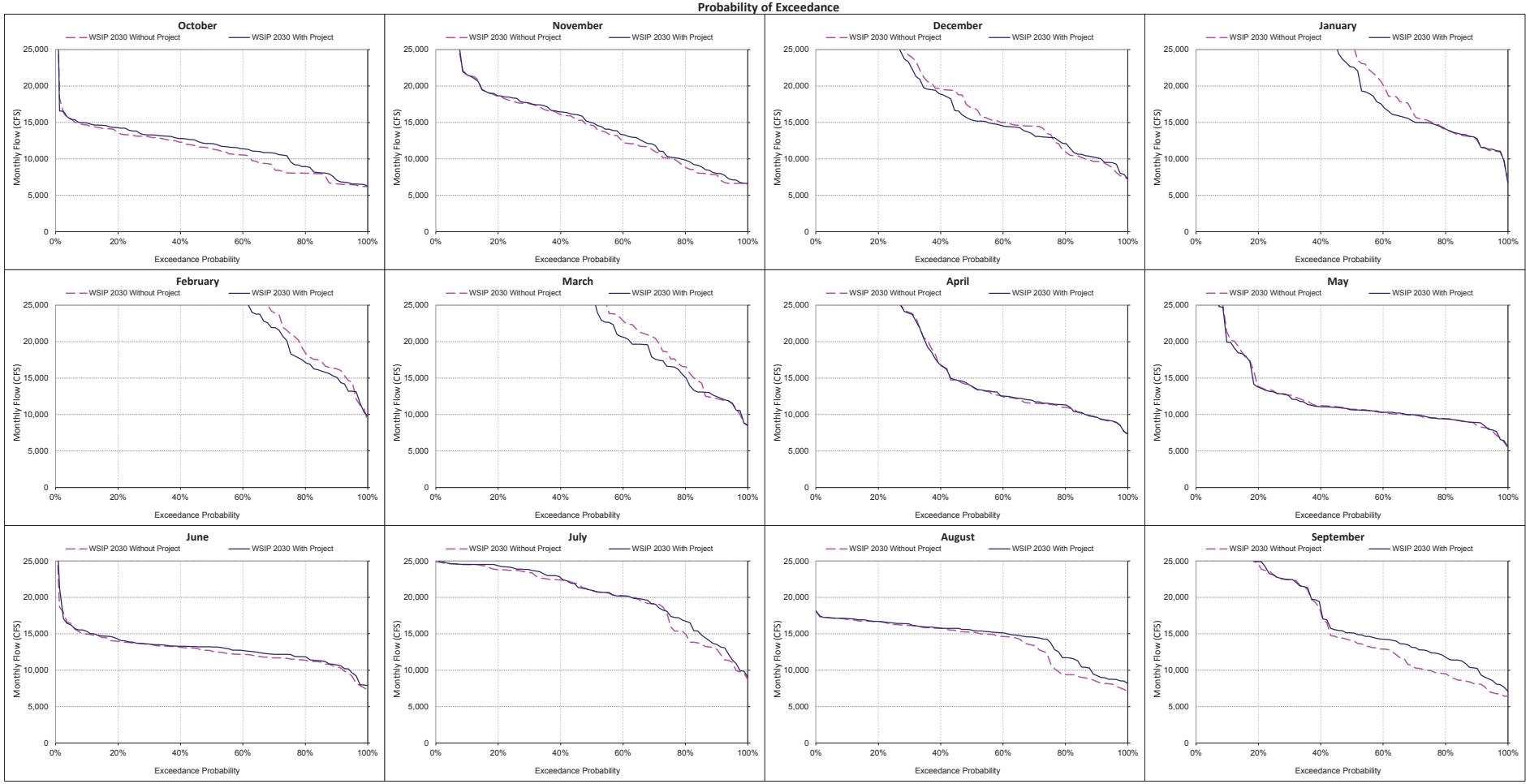


Table SW-17-b

Sacramento River at Freeport, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,867	46,523	1,656	3.7%
1.2%	18,378	16,579	-1,799	-9.8%
2.5%	16,395	16,524	130	0.8%
3.7%	15,575	15,794	219	1.4%
4.9%	15,528	15,421	-108	-0.7%
6.2%	15,015	15,353	338	2.2%
7.4%	14,905	15,011	106	0.7%
8.6%	14,710	14,948	238	1.6%
9.9%	14,661	14,945	285	1.9%
11.1%	14,448	14,770	323	2.2%
12.3%	14,403	14,655	252	1.7%
13.6%	14,312	14,649	337	2.4%
14.8%	14,199	14,591	392	2.8%
16.0%	14,158	14,584	427	3.0%
17.3%	14,135	14,412	277	2.0%
18.5%	14,074	14,319	245	1.7%
19.8%	13,639	14,292	653	4.8%
21.0%	13,378	14,229	852	6.4%
22.2%	13,317	14,228	911	6.8%
23.5%	13,297	13,917	620	4.7%
24.7%	13,221	13,831	610	4.6%
25.9%	13,125	13,815	690	5.3%
27.2%	13,110	13,474	364	2.8%
28.4%	13,109	13,335	226	1.7%
29.6%	13,054	13,301	247	1.9%
30.9%	12,921	13,298	377	2.9%
32.1%	12,920	13,249	329	2.5%
33.3%	12,857	13,169	312	2.4%
34.6%	12,728	13,134	406	3.2%
35.8%	12,617	13,098	480	3.8%
37.0%	12,507	13,082	575	4.6%
38.3%	12,502	12,910	408	3.3%
39.5%	12,312	12,799	487	4.0%
40.7%	12,277	12,783	506	4.1%
42.0%	12,019	12,701	683	5.7%
43.2%	11,930	12,659	729	6.1%
44.4%	11,847	12,595	748	6.3%
45.7%	11,610	12,350	741	6.4%
46.9%	11,608	12,194	586	5.0%
48.1%	11,563	12,120	557	4.8%
49.4%	11,459	12,110	651	5.7%
50.6%	11,302	12,077	775	6.9%
51.9%	11,211	11,950	739	6.6%
53.1%	11,071	11,731	660	6.0%
54.3%	11,024	11,695	671	6.1%
55.6%	10,667	11,605	937	8.8%
56.8%	10,639	11,584	945	8.9%
58.0%	10,562	11,553	991	9.4%
59.3%	10,553	11,382	829	7.9%
60.5%	10,511	11,348	836	8.0%
61.7%	10,423	11,298	876	8.4%
63.0%	9,761	11,094	1,333	13.7%
64.2%	9,664	11,028	1,365	14.1%
65.4%	9,396	11,022	1,627	17.3%
66.7%	9,390	10,857	1,467	15.6%
67.9%	9,343	10,855	1,512	16.2%
69.1%	9,245	10,840	1,595	17.2%
70.4%	8,437	10,764	2,327	27.6%
71.6%	8,420	10,564	2,145	25.5%
72.8%	8,262	10,519	2,257	27.3%
74.1%	8,071	10,419	2,348	29.1%
75.3%	8,062	9,588	1,526	18.9%
76.5%	8,048	9,189	1,141	14.2%
77.8%	8,044	9,153	1,109	13.8%
79.0%	8,041	8,938	897	11.2%
80.2%	8,031	8,931	899	11.2%
81.5%	8,011	8,831	820	10.2%
82.7%	7,992	8,171	179	2.2%
84.0%	7,975	8,126	151	1.9%
85.2%	7,965	8,082	117	1.5%
86.4%	7,584	8,041	457	6.0%
87.7%	6,692	7,955	1,264	18.9%
88.9%	6,621	7,572	951	14.4%
90.1%	6,560	7,038	478	7.3%
91.4%	6,510	6,843	333	5.1%
92.6%	6,491	6,790	298	4.6%
93.8%	6,471	6,711	240	3.7%
95.1%	6,452	6,560	108	1.7%
96.3%	6,401	6,553	153	2.4%
97.5%	6,218	6,521	303	4.9%
98.8%	6,212	6,491	280	4.5%
100.0%	6,190	6,271	82	1.3%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	54,082	52,040	-2,041	-3.8%
1.2%	49,144	48,915	-229	-0.5%
2.5%	47,919	46,839	-1,080	-2.3%
3.7%	40,471	42,778	2,306	5.7%
4.9%	33,636	33,615	-21	-0.1%
6.2%	30,763	29,054	-1,709	-5.6%
7.4%	24,990	25,741	751	3.0%
8.6%	22,156	22,006	-150	-0.7%
9.9%	21,619	21,578	-41	-0.2%
11.1%	21,367	21,367	0	0.0%
12.3%	21,290	21,037	-253	-1.2%
13.6%	20,821	20,607	-213	-1.0%
14.8%	19,512	19,460	-52	-0.3%
16.0%	19,306	19,242	-63	-0.3%
17.3%	19,047	18,997	-50	-0.3%
18.5%	18,837	18,981	144	0.8%
19.8%	18,603	18,687	84	0.5%
21.0%	18,508	18,649	142	0.8%
22.2%	18,227	18,506	279	1.5%
23.5%	18,056	18,496	440	2.4%
24.7%	17,928	18,356	427	2.4%
25.9%	17,735	18,335	600	3.4%
27.2%	17,648	17,858	211	1.2%
28.4%	17,613	17,761	148	0.8%
29.6%	17,609	17,721	112	0.6%
30.9%	17,489	17,541	52	0.3%
32.1%	17,323	17,434	111	0.6%
33.3%	17,120	17,419	300	1.7%
34.6%	16,816	17,311	494	2.9%
35.8%	16,622	17,091	469	2.8%
37.0%	16,489	16,625	136	0.8%
38.3%	16,476	16,615	140	0.8%
39.5%	16,168	16,454	286	1.8%
40.7%	15,962	16,422	460	2.9%
42.0%	15,935	16,350	415	2.6%
43.2%	15,911	16,169	258	1.6%
44.4%	15,580	16,117	537	3.4%
45.7%	15,297	16,023	726	4.7%
46.9%	15,281	15,874	593	3.9%
48.1%	14,740	15,207	467	3.2%
49.4%	14,643	15,038	395	2.7%
50.6%	14,574	14,888	314	2.2%
51.9%	13,950	14,574	624	4.5%
53.1%	13,838	14,441	602	4.4%
54.3%	13,688	14,078	390	2.8%
55.6%	13,374	14,065	692	5.2%
56.8%	13,216	13,885	669	5.1%
58.0%	13,206	13,848	642	4.9%
59.3%	12,698	13,371	673	5.3%
60.5%	12,197	13,290	1,093	9.0%
61.7%	12,119	13,069	950	7.8%
63.0%	12,075	12,952	878	7.3%
64.2%	12,073	12,949	877	7.3%
65.4%	11,736	12,601	865	7.4%
66.7%	11,706	12,351	645	5.5%
67.9%	11,663	12,101	438	3.8%
69.1%	11,327	12,087	761	6.7%
70.4%	10,970	11,832	862	7.9%
71.6%	10,810	11,051	241	2.2%
72.8%	10,138	11,024	886	8.7%
74.1%	10,125	10,359	234	2.3%
75.3%	10,028	10,212	184	1.8%
76.5%	9,932	10,133	201	2.0%
77.8%	9,572	10,090	517	5.4%
79.0%	9,134	9,939	805	8.8%
80.2%	8,793	9,789	996	11.3%
81.5%	8,551	9,587	1,036	12.1%
82.7%	8,548	9,224	676	7.9%
84.0%	8,035	9,102	1,067	13.3%
85.2%	8,027	8,891	864	10.8%
86.4%	7,978	8,494	516	6.5%
87.7%	7,883	8,448	565	7.2%
88.9%	7,857	8,099	243	3.1%
90.1%	7,780	8,027	247	3.2%
91.4%	7,044	7,978	934	13.3%
92.6%	6,743	7,707	964	14.3%
93.8%	6,639	7,274	635	9.6%
95.1%	6,635	7,129	494	7.4%
96.3%	6,635	7,064	429	6.5%
97.5%	6,631	6,769	137	2.1%
98.8%	6,624	6,639	15	0.2%
100.0%	6,425	6,635	210	3.3%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79,291	79,307	16	0.0%
1.2%	78,178	77,970	-208	-0.3%
2.5%	73,215	73,072	-143	-0.2%
3.7%	69,937	69,313	-624	-0.9%
4.9%	66,005	66,385	380	0.6%
6.2%	62,254	61,209	-1,044	-1.7%
7.4%	58,072	55,992	-2,080	-3.6%
8.6%	56,023	54,200	-1,823	-3.3%
9.9%	55,267	54,029	-1,237	-2.2%
11.1%	53,773	53,833	61	0.1%
12.3%	44,204	44,592	388	0.9%
13.6%	43,990	43,576	-415	-0.9%
14.8%	39,129	38,312	-817	-2.1%
16.0%	39,003	36,887	-2,116	-5.4%
17.3%	37,062	35,099	-1,963	-5.3%
18.5%	35,116	33,957	-1,159	-3.3%
19.8%	34,721	30,986	-3,735	-10.8%
21.0%	33,032	30,841	-2,191	-6.6%
22.2%	32,288	30,010	-2,279	-7.1%
23.5%	30,778	27,580	-3,198	-10.4%
24.7%	30,265	26,696	-3,569	-11.8%
25.9%	29,586	26,049	-3,537	-12.0%
27.2%	26,528	24,752	-1,776	-6.7%
28.4%	24,876	23,716	-1,160	-4.7%
29.6%	24,302	23,307	-995	-4.1%
30.9%	23,913	22,313	-1,600	-6.7%
32.1%	23,415	21,325	-2,091	-8.9%
33.3%	22,185	20,910	-1,275	-5.7%
34.6%	21,231	19,742	-1,489	-7.0%
35.8%	20,609	19,555	-1,054	-5.1%
37.0%	20,477	19,513	-964	-4.7%
38.3%	19,710	19,417	-293	-1.5%
39.5%	19,662	18,972	-689	-3.5%
40.7%	19,491	18,777	-714	-3.7%
42.0%	19,470	18,517	-953	-4.9%
43.2%	19,424	18,264	-1,160	-6.0%
44.4%	19,417	16,651	-2,766	-14.2%
45.7%	18,800	16,586	-2,214	-11.8%
46.9%	18,760	16,022	-2,738	-14.6%
48.1%	17,511	15,704	-1,808	-10.3%
49.4%	17,077	15,441	-1,636	-9.6%
50.6%	17,031	15,245	-1,786	-10.5%
51.9%	16,625	15,190	-1,435	-8.6%
53.1%	15,694	15,185	-509	-3.2%
54.3%	15,681	15,158	-523	-3.3%
55.6%	15,440	14,938	-502	-3.3%
56.8%	15,251	14,824	-427	-2.8%
58.0%	15,239	14,755	-483	-3.2%
59.3%	15,007	14,602	-405	-2.7%
60.5%	14,997	14,480	-516	-3.4%
61.7%	14,894	14,441	-453	-3.0%
63.0%	14,718	14,387	-330	-2.2%
64.2%	14,617	14,346	-271	-1.9%
65.4%	14,616	14,251	-364	-2.5%
66.7%	14,530	13,850	-680	-4.7%
67.9%	14,524	13,701	-824	-5.7%
69.1%	14,499	13,506	-993	-6.8%
70.4%	14,476	13,065	-1,410	-9.7%
71.6%	14,459	13,063	-1,396	-9.7%
72.8%	14,179	13,006	-1,172	-8.3%
74.1%	13,484	12,968	-516	-3.8%
75.3%	13,323	12,942	-381	-2.9%
76.5%	12,281	12,914	634	5.2%
77.8%	12,092	12,497	405	3.3%
79.0%	11,255	12,144	889	7.9%
80.2%	10,870	12,087	1,217	11.2%
81.5%	10,497	11,433	936	8.9%
82.7%	10,418	10,863	445	4.3%
84.0%	10,414	10,649	235	2.3%
85.2%	10,192	10,619	426	4.2%
86.4%	9,966	10,449	483	4.8%
87.7%	9,880	10,356	476	4.8%
88.9%	9,645	10,239	594	6.2%
90.1%	9,638	10,145	507	5.3%
91.4%	9,626	9,993	367	3.8%
92.6%	9,418	9,516	98	1.0%
93.8%	9,122	9,504	382	4.2%
95.1%	8,775	9,469	694	7.9%
96.3%	8,124	9,267	1,143	14.1%
97.5%	7,702	8,048	346	4.5%
98.8%	7,582	7,860	278	3.7%
100.0%	7,174	7,225	51	0.7%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	80,927	80,799	-128	-0.2%
1.2%	78,431	78,075	-356	-0.5%
2.5%	77,344	77,381	37	0.0%
3.7%	77,300	77,302	2	0.0%
4.9%	75,237	75,243	6	0.0%
6.2%	72,602	72,333	-269	-0.4%
7.4%	70,790	70,785	-4	0.0%
8.6%	70,523	70,022	-501	-0.7%
9.9%	69,052	68,937	-115	-0.2%
11.1%	68,905	68,718	-187	-0.3%
12.3%	67,336	65,490	-1,846	-2.7%
13.6%	64,542	64,756	214	0.3%
14.8%	64,436	63,593	-843	-1.3%
16.0%	63,319	63,235	-84	-0.1%
17.3%	63,268	62,159	-1,109	-1.8%
18.5%	61,396	58,952	-2,444	-4.0%
19.8%	60,624	58,635	-1,989	-3.3%
21.0%	56,853	55,624	-1,229	-2.2%
22.2%	56,011	54,977	-1,033	-1.8%
23.5%	54,936	54,621	-315	-0.6%
24.7%	54,579	53,954	-625	-1.1%
25.9%	51,205	48,939	-2,266	-4.4%
27.2%	48,753	48,676	-77	-0.2%
28.4%	46,864	47,149	285	0.6%
29.6%	44,646	44,355	-291	-0.7%
30.9%	41,733	37,765	-3,968	-9.5%
32.1%	39,190	37,728	-1,462	-3.7%
33.3%	38,064	37,654	-410	-1.1%
34.6%	38,032	34,399	-3,633	-9.6%
35.8%	37,097	33,685	-3,412	-9.2%
37.0%	35,003	33,638	-1,365	-3.9%
38.3%	34,537	31,530	-3,007	-8.7%
39.5%	33,996	31,311	-2,685	-7.9%
40.7%	33,960	29,814	-4,146	-12.2%
42.0%	30,538	29,461	-1,077	-3.5%
43.2%	30,514	27,487	-3,027	-9.9%
44.4%	29,845	26,458	-3,387	-11.3%
45.7%	27,892	24,451	-3,441	-12.3%
46.9%	27,293	23,709	-3,583	-13.1%
48.1%	25,965	23,225	-2,741	-10.6%
49.4%	25,956	22,671	-3,285	-12.7%
50.6%	25,368	22,559	-2,809	-11.1%
51.9%	23,551	22,058	-1,493	-6.3%
53.1%	23,115	19,332	-3,784	-16.4%
54.3%	23,003	19,196	-3,808	-16.6%
55.6%	22,219	18,955	-3,263	-14.7%
56.8%	21,785	18,652	-3,133	-14.4%
58.0%	21,279	17,819	-3,460	-16.3%
59.3%	20,656	17,587	-3,069	-14.9%
60.5%	19,771	16,930	-2,841	-14.4%
61.7%	18,603	16,543	-2,060	-11.1%
63.0%	18,547	16,090	-2,457	-13.2%
64.2%	18,540	15,999	-2,541	-13.7%
65.4%	17,843	15,869	-1,974	-11.1%
66.7%	17,770	15,700	-2,070	-11.6%
67.9%	17,654	15,566	-2,088	-11.8%
69.1%	16,667	15,263	-1,403	-8.4%
70.4%	15,733	15,016	-717	-4.6%
71.6%	15,509	15,011	-498	-3.2%
72.8%	15,474	14,969	-505	-3.3%
74.1%	15,309	14,968	-341	-2.2%
75.3%	15,112	14,890	-221	-1.5%
76.5%	14,733	14,732	-1	0.0%
77.8%	14,681	14,522	-158	-1.1%
79.0%	14,201	14,346	145	1.0%
80.2%	13,990	14,050	61	0.4%
81.5%	13,787	13,806	19	0.1%
82.7%	13,539	13,594	55	0.4%
84.0%	13,304	13,509	205	1.5%
85.2%	13,250	13,365	115	0.9%
86.4%	13,126	13,338	212	1.6%
87.7%	13,120	13,087	-33	-0.2%
88.9%	13,106	13,049	-57	-0.4%
90.1%	12,533	12,746	213	1.7%
91.4%	11,614	11,559	-55	-0.5%
92.6%	11,556	11,522	-33	-0.3%
93.8%	11,181	11,341	160	1.4%
95.1%	11,068	11,339	271	2.5%
96.3%	11,045	11,120	75	0.7%
97.5%	10,957	11,053	96	0.9%
98.8%	9,727	9,744	17	0.2%
100.0%	6,866	6,778	-88	-1.3%

Table SW-17-b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	80,735	80,747	12	0.0%
1.2%	79,983	80,192	208	0.3%
2.5%	79,509	79,407	-103	-0.1%
3.7%	78,879	78,959	80	0.1%
4.9%	77,875	77,807	-68	-0.1%
6.2%	77,055	77,058	3	0.0%
7.4%	75,604	75,507	-98	-0.1%
8.6%	75,511	75,288	-223	-0.3%
9.9%	75,304	75,066	-238	-0.3%
11.1%	72,667	72,664	-3	0.0%
12.3%	70,861	70,602	-258	-0.4%
13.6%	70,710	70,436	-274	-0.4%
14.8%	70,567	69,950	-617	-0.9%
16.0%	69,920	69,921	1	0.0%
17.3%	68,241	68,272	31	0.0%
18.5%	66,989	66,448	-541	-0.8%
19.8%	66,468	66,332	-136	-0.2%
21.0%	66,336	65,230	-1,106	-1.7%
22.2%	64,551	65,106	555	0.9%
23.5%	64,392	63,961	-431	-0.7%
24.7%	63,236	61,714	-1,522	-2.4%
25.9%	62,664	61,633	-1,031	-1.6%
27.2%	62,415	61,591	-823	-1.3%
28.4%	57,626	57,459	-167	-0.3%
29.6%	57,273	56,083	-1,190	-2.1%
30.9%	54,948	53,913	-1,035	-1.9%
32.1%	53,907	53,483	-424	-0.8%
33.3%	53,135	50,818	-2,317	-4.4%
34.6%	51,562	50,429	-1,133	-2.2%
35.8%	51,175	50,303	-872	-1.7%
37.0%	50,833	48,878	-1,955	-3.8%
38.3%	50,032	48,252	-1,780	-3.6%
39.5%	49,819	48,055	-1,764	-3.5%
40.7%	48,923	47,990	-933	-1.9%
42.0%	45,243	45,831	587	1.3%
43.2%	44,442	44,436	-6	0.0%
44.4%	42,984	42,998	14	0.0%
45.7%	41,519	39,098	-2,421	-5.8%
46.9%	40,608	38,907	-1,701	-4.2%
48.1%	38,851	38,743	-109	-0.3%
49.4%	35,468	34,170	-1,297	-3.7%
50.6%	35,375	32,933	-2,442	-6.9%
51.9%	34,489	31,588	-2,901	-8.4%
53.1%	33,921	31,186	-2,735	-8.1%
54.3%	32,360	30,122	-2,238	-6.9%
55.6%	31,301	29,371	-1,930	-6.2%
56.8%	31,288	28,323	-2,965	-9.5%
58.0%	29,998	26,439	-3,560	-11.9%
59.3%	28,176	26,001	-2,175	-7.7%
60.5%	27,419	25,654	-1,765	-6.4%
61.7%	27,123	25,052	-2,071	-7.6%
63.0%	26,965	24,041	-2,924	-10.8%
64.2%	26,178	23,779	-2,399	-9.2%
65.4%	25,961	23,774	-2,186	-8.4%
66.7%	25,597	22,815	-2,782	-10.9%
67.9%	25,086	22,590	-2,496	-10.0%
69.1%	24,213	21,940	-2,273	-9.4%
70.4%	23,904	21,926	-1,978	-8.3%
71.6%	23,718	21,580	-2,137	-9.0%
72.8%	21,961	20,717	-1,244	-5.7%
74.1%	21,559	20,160	-1,399	-6.5%
75.3%	21,068	18,346	-2,722	-12.9%
76.5%	20,701	18,031	-2,670	-12.9%
77.8%	20,230	17,806	-2,424	-12.0%
79.0%	19,145	17,528	-1,616	-8.4%
80.2%	18,326	17,081	-1,244	-6.8%
81.5%	17,870	16,915	-955	-5.3%
82.7%	17,577	16,275	-1,302	-7.4%
84.0%	17,549	16,154	-1,394	-7.9%
85.2%	17,284	15,978	-1,306	-7.6%
86.4%	16,634	15,803	-831	-5.0%
87.7%	16,474	15,628	-846	-5.1%
88.9%	16,390	15,312	-1,078	-6.6%
90.1%	16,267	15,075	-1,192	-7.3%
91.4%	16,041	14,382	-1,659	-10.3%
92.6%	15,309	14,196	-1,113	-7.3%
93.8%	14,670	13,189	-1,481	-10.1%
95.1%	14,423	13,183	-1,240	-8.6%
96.3%	12,111	13,133	1,022	8.4%
97.5%	11,286	11,563	278	2.5%
98.8%	10,904	10,340	-564	-5.2%
100.0%	9,024	9,826	801	8.9%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79,384	79,384	0	0.0%
1.2%	78,925	78,926	1	0.0%
2.5%	76,857	76,880	23	0.0%
3.7%	76,121	75,526	-595	-0.8%
4.9%	73,785	73,787	2	0.0%
6.2%	72,342	71,739	-604	-0.8%
7.4%	70,349	69,787	-562	-0.8%
8.6%	65,143	65,157	13	0.0%
9.9%	63,912	62,481	-1,431	-2.2%
11.1%	62,490	62,093	-397	-0.6%
12.3%	61,625	61,629	4	0.0%
13.6%	61,326	61,078	-248	-0.4%
14.8%	60,994	60,993	-1	0.0%
16.0%	59,649	59,406	-243	-0.4%
17.3%	57,985	58,190	205	0.4%
18.5%	57,851	57,855	4	0.0%
19.8%	56,921	55,737	-1,184	-2.1%
21.0%	55,289	54,201	-1,087	-2.0%
22.2%	54,496	54,184	-312	-0.6%
23.5%	54,314	53,890	-424	-0.8%
24.7%	50,546	50,738	192	0.4%
25.9%	50,272	48,905	-1,368	-2.7%
27.2%	50,177	48,304	-1,873	-3.7%
28.4%	49,721	46,195	-3,526	-7.1%
29.6%	47,816	45,697	-2,118	-4.4%
30.9%	46,969	45,338	-1,631	-3.5%
32.1%	44,705	42,068	-2,637	-5.9%
33.3%	42,514	40,816	-1,698	-4.0%
34.6%	41,810	39,463	-2,347	-5.6%
35.8%	39,509	38,821	-687	-1.7%
37.0%	39,466	38,169	-1,297	-3.3%
38.3%	38,564	37,925	-638	-1.7%
39.5%	38,459	36,711	-1,748	-4.5%
40.7%	37,962	36,355	-1,607	-4.2%
42.0%	36,755	35,028	-1,728	-4.7%
43.2%	36,404	32,016	-4,388	-12.1%
44.4%	36,364	31,390	-4,974	-13.7%
45.7%	33,683	31,150	-2,533	-7.5%
46.9%	30,480	28,906	-1,574	-5.2%
48.1%	29,961	26,261	-3,700	-12.4%
49.4%	29,373	25,927	-3,446	-11.7%
50.6%	28,641	25,895	-2,747	-9.6%
51.9%	27,108	23,950	-3,158	-11.7%
53.1%	25,799	22,945	-2,854	-11.1%
54.3%	25,659	22,682	-2,978	-11.6%
55.6%	23,878	22,643	-1,235	-5.2%
56.8%	23,825	22,370	-1,455	-6.1%
58.0%	23,761	21,005	-2,756	-11.6%
59.3%	23,232	20,719	-2,513	-10.8%
60.5%	22,652	20,590	-2,063	-9.1%
61.7%	22,415	20,286	-2,129	-9.5%
63.0%	22,351	19,666	-2,685	-12.0%
64.2%	21,775	19,639	-2,136	-9.8%
65.4%	21,284	19,639	-1,645	-7.7%
66.7%	21,121	19,609	-1,512	-7.2%
67.9%	20,935	19,589	-1,345	-6.4%
69.1%	20,736	17,944	-2,792	-13.5%
70.4%	20,478	17,598	-2,880	-14.1%
71.6%	19,693	17,438	-2,255	-11.4%
72.8%	18,666	17,374	-1,292	-6.9%
74.1%	18,604	16,613	-1,991	-10.7%
75.3%	17,637	16,568	-1,069	-6.1%
76.5%	17,629	16,527	-1,102	-6.2%
77.8%	16,985	16,144	-841	-5.0%
79.0%	16,604	15,527	-1,077	-6.5%
80.2%	16,541	15,023	-1,518	-9.2%
81.5%	15,596	13,911	-1,685	-10.8%
82.7%	15,019	13,329	-1,691	-11.3%
84.0%	14,633	13,087	-1,546	-10.6%
85.2%	14,313	13,075	-1,238	-8.7%
86.4%	12,524	13,057	533	4.3%
87.7%	12,401	13,035	634	5.1%
88.9%	12,347	12,664	317	2.6%
90.1%	12,177	12,432	255	2.1%
91.4%	12,042	12,247	205	1.7%
92.6%	11,939	12,013	74	0.6%
93.8%	11,837	11,867	29	0.2%
95.1%	11,473	11,556	83	0.7%
96.3%	10,773	10,593	-180	-1.7%
97.5%	9,968	10,519	551	5.5%
98.8%	8,824	8,836	12	0.1%
100.0%	8,454	8,500	46	0.5%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,337	76,339	2	0.0%
1.2%	76,183	76,179	-5	0.0%
2.5%	69,972	69,420	-552	-0.8%
3.7%	57,194	57,197	3	0.0%
4.9%	53,647	54,325	678	1.3%
6.2%	50,170	50,165	-4	0.0%
7.4%	49,801	49,636	-165	-0.3%
8.6%	49,621	48,996	-625	-1.3%
9.9%	48,946	48,378	-567	-1.2%
11.1%	48,593	47,808	-785	-1.6%
12.3%	47,814	45,684	-2,130	-4.5%
13.6%	39,998	37,585	-2,413	-6.0%
14.8%	39,310	37,272	-2,038	-5.2%
16.0%	37,611	37,030	-582	-1.5%
17.3%	37,111	36,200	-911	-2.5%
18.5%	35,629	35,173	-456	-1.3%
19.8%	35,177	33,505	-1,673	-4.8%
21.0%	31,949	30,145	-1,805	-5.6%
22.2%	29,720	29,330	-391	-1.3%
23.5%	29,377	29,241	-136	-0.5%
24.7%	28,063	26,087	-1,976	-7.0%
25.9%	25,606	25,657	51	0.2%
27.2%	25,103	24,991	-112	-0.4%
28.4%	24,279	24,158	-121	-0.5%
29.6%	24,068	23,918	-150	-0.6%
30.9%	23,876	23,757	-120	-0.5%
32.1%	23,266	22,827	-440	-1.9%
33.3%	21,862	21,861	-1	0.0%
34.6%	20,519	20,473	-46	-0.2%
35.8%	20,223	19,272	-951	-4.7%
37.0%	19,074	18,585	-489	-2.6%
38.3%	18,306	17,618	-688	-3.8%
39.5%	16,756	16,986	230	1.4%
40.7%	16,584	16,568	-17	-0.1%
42.0%	16,321	16,151	-169	-1.0%
43.2%	14,744	14,981	237	1.6%
44.4%	14,711	14,798	87	0.6%
45.7%	14,628	14,666	38	0.3%
46.9%	14,315	14,596	281	2.0%
48.1%	14,147	14,365	218	1.5%
49.4%	14,101	14,001	-101	-0.7%
50.6%	13,630	13,749	119	0.9%
51.9%	13,376	13,409	32	0.2%
53.1%	13,316	13,376	59	0.4%
54.3%	13,208	13,252	44	0.3%
55.6%	13,120	13,223	103	0.8%
56.8%	12,710	13,141	430	3.4%
58.0%	12,682	13,083	401	3.2%
59.3%	12,562	12,567	5	0.0%
60.5%	12,387	12,533	146	1.2%
61.7%	12,358	12,488	130	1.1%
63.0%	12,293	12,387	94	0.8%
64.2%	12,198	12,272	75	0.6%
65.4%	12,164	12,238	74	0.6%
66.7%	11,692	12,129	437	3.7%
67.9%	11,607	12,023	416	3.6%
69.1%	11,582	11,976	394	3.4%
70.4%	11,537	11,752	214	1.9%
71.6%	11,504	11,745	241	2.1%
72.8%	11,491	11,568	78	0.7%
74.1%	11,430	11,547	118	1.0%
75.3%	11,377	11,477	100	0.9%
76.5%	11,329	11,413	84	0.7%
77.8%	11,214	11,386	171	1.5%
79.0%	10,990	11,357	367	3.3%
80.2%	10,988	11,306	318	2.9%
81.5%	10,841	10,985	145	1.3%
82.7%	10,718	10,426	-291	-2.7%
84.0%	10,326	10,350	24	0.2%
85.2%	10,166	10,286	120	1.2%
86.4%	10,061	9,972	-89	-0.9%
87.7%	9,791	9,866	75	0.8%
88.9%	9,720	9,755	35	0.4%
90.1%	9,537	9,625	88	0.9%
91.4%	9,410	9,356	-55	-0.6%
92.6%	9,217	9,259	42	0.5%
93.8%	9,107	9,210	102	1.1%
95.1%	9,060	9,109	49	0.5%
96.3%	8,925	8,906	-19	-0.2%
97.5%	8,517	8,534	17	0.2%
98.8%	7,673	7,679	6	0.1%
100.0%	7,315	7,303	-12	-0.2%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	50,687	49,564	-1,123	-2.2%
1.2%	37,909	37,804	-105	-0.3%
2.5%	36,612	36,791	178	0.5%
3.7%	32,337	32,322	-15	0.0%
4.9%	32,318	32,113	-205	-0.6%
6.2%	28,457	28,291	-165	-0.6%
7.4%	27,056	24,810	-2,246	-8.3%
8.6%	24,975	24,720	-254	-1.0%
9.9%	21,378	19,947	-1,431	-6.7%
11.1%	20,203	19,912	-290	-1.4%
12.3%	20,066	19,109	-957	-4.8%
13.6%	19,326	18,475	-851	-4.4%
14.8%	18,515	18,361	-154	-0.8%
16.0%	17,754	17,979	225	1.3%
17.3%	17,392	17,270	-123	-0.7%
18.5%	15,980	14,176	-1,804	-11.3%
19.8%	13,915	13,793	-122	-0.9%
21.0%	13,663	13,581	-81	-0.6%
22.2%	13,449	13,342	-107	-0.8%
23.5%	13,433	13,182	-251	-1.9%
24.7%	13,291	13,126	-165	-1.2%
25.9%	12,898	12,925	27	0.2%
27.2%	12,840	12,849	9	0.1%
28.4%	12,723	12,834	111	0.9%
29.6%	12,671	12,627	-43	-0.3%
30.9%	12,623	12,102	-521	-4.1%
32.1%	12,329	12,059	-269	-2.2%
33.3%	12,169	11,823	-346	-2.8%
34.6%	11,917	11,748	-169	-1.4%
35.8%	11,844	11,390	-454	-3.8%
37.0%	11,467	11,258	-209	-1.8%
38.3%	11,254	11,138	-116	-1.0%
39.5%	11,237	11,085	-153	-1.4%
40.7%	11,209	11,072	-137	-1.2%
42.0%	11,188	11,045	-143	-1.3%
43.2%	11,145	11,017	-129	-1.2%
44.4%	11,115	10,997	-118	-1.1%
45.7%	11,045	10,947	-98	-0.9%
46.9%	10,989	10,893	-96	-0.9%
48.1%	10,938	10,860	-78	-0.7%
49.4%	10,739	10,671	-68	-0.6%
50.6%	10,719	10,631	-88	-0.8%
51.9%	10,697	10,626	-71	-0.7%
53.1%	10,680	10,594	-86	-0.8%
54.3%	10,653	10,568	-85	-0.8%
55.6%	10,514	10,548	35	0.3%
56.8%	10,484	10,483	-1	0.0%
58.0%	10,360	10,481	122	1.2%
59.3%	10,310	10,320	10	0.1%
60.5%	10,293	10,315	23	0.2%
61.7%	10,135	10,302	167	1.7%
63.0%	10,098	10,296	199	2.0%
64.2%	10,041	10,207	166	1.7%
65.4%	10,029	10,204	175	1.7%
66.7%	10,011	10,102	91	0.9%
67.9%	9,950	9,986	37	0.4%
69.1%	9,921	9,976	54	0.5%
70.4%	9,908	9,962	54	0.5%
71.6%	9,816	9,926	110	1.1%
72.8%	9,639	9,823	184	1.9%
74.1%	9,565	9,663	98	1.0%
75.3%	9,543	9,570	27	0.3%
76.5%	9,488	9,526	38	0.4%
77.8%	9,473	9,428	-46	-0.5%
79.0%	9,458	9,413	-46	-0.5%
80.2%	9,428	9,369	-58	-0.6%
81.5%	9,412	9,341	-71	-0.8%
82.7%	9,313	9,266	-47	-0.5%
84.0%	9,206	9,188	-19	-0.2%
85.2%	9,064	9,134	70	0.8%
86.4%	8,982	9,039	57	0.6%
87.7%	8,932	8,965	33	0.4%
88.9%	8,907	8,935	28	0.3%
90.1%	8,459	8,907	448	5.3%
91.4%	8,290	8,860	570	6.9%
92.6%	8,181	8,410	229	2.8%
93.8%	8,115	7,969	-146	-1.8%
95.1%	7,715	7,872	156	2.0%
96.3%	7,150	7,666	516	7.2%
97.5%	6,844	6,547	-297	-4.3%
98.8%	6,194	6,422	228	3.7%
100.0%	5,463	5,594	132	2.4%

Table SW-17-b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,828	32,630	801	2.5%
1.2%	18,710	21,315	2,606	13.9%
2.5%	17,931	17,069	-863	-4.8%
3.7%	16,575	16,437	-138	-0.8%
4.9%	16,437	16,226	-210	-1.3%
6.2%	15,636	15,717	82	0.5%
7.4%	15,316	15,546	230	1.5%
8.6%	14,998	15,542	544	3.6%
9.9%	14,970	15,355	385	2.6%
11.1%	14,909	15,034	125	0.8%
12.3%	14,777	14,998	222	1.5%
13.6%	14,772	14,777	5	0.0%
14.8%	14,498	14,695	197	1.4%
16.0%	14,490	14,662	172	1.2%
17.3%	14,057	14,629	572	4.1%
18.5%	14,018	14,543	525	3.7%
19.8%	13,976	14,333	357	2.6%
21.0%	13,946	14,057	111	0.8%
22.2%	13,851	14,018	167	1.2%
23.5%	13,808	13,874	66	0.5%
24.7%	13,734	13,851	117	0.9%
25.9%	13,716	13,717	1	0.0%
27.2%	13,691	13,691	0	0.0%
28.4%	13,612	13,631	19	0.1%
29.6%	13,515	13,603	88	0.6%
30.9%	13,493	13,544	51	0.4%
32.1%	13,374	13,516	142	1.1%
33.3%	13,320	13,512	192	1.4%
34.6%	13,316	13,462	146	1.1%
35.8%	13,275	13,374	99	0.7%
37.0%	13,265	13,322	56	0.4%
38.3%	13,246	13,320	74	0.6%
39.5%	13,187	13,292	105	0.8%
40.7%	13,098	13,286	188	1.4%
42.0%	13,060	13,279	219	1.7%
43.2%	13,054	13,246	192	1.5%
44.4%	13,028	13,234	206	1.6%
45.7%	12,943	13,216	272	2.1%
46.9%	12,743	13,214	470	3.7%
48.1%	12,738	13,213	476	3.7%
49.4%	12,708	13,211	503	4.0%
50.6%	12,546	13,194	647	5.2%
51.9%	12,471	13,191	720	5.8%
53.1%	12,459	13,093	634	5.1%
54.3%	12,345	12,992	647	5.2%
55.6%	12,278	12,943	665	5.4%
56.8%	12,227	12,749	522	4.3%
58.0%	12,181	12,738	557	4.6%
59.3%	12,177	12,735	559	4.6%
60.5%	12,163	12,689	526	4.3%
61.7%	12,157	12,611	454	3.7%
63.0%	12,069	12,564	496	4.1%
64.2%	11,942	12,487	545	4.6%
65.4%	11,881	12,392	511	4.3%
66.7%	11,805	12,327	522	4.4%
67.9%	11,782	12,242	460	3.9%
69.1%	11,703	12,198	495	4.2%
70.4%	11,694	12,195	500	4.3%
71.6%	11,690	12,181	491	4.2%
72.8%	11,688	12,176	488	4.2%
74.1%	11,630	12,162	532	4.6%
75.3%	11,524	12,131	608	5.3%
76.5%	11,486	11,906	420	3.7%
77.8%	11,439	11,863	424	3.7%
79.0%	11,415	11,858	443	3.9%
80.2%	11,351	11,807	456	4.0%
81.5%	11,176	11,414	238	2.1%
82.7%	11,173	11,350	177	1.6%
84.0%	11,172	11,308	136	1.2%
85.2%	11,114	11,270	156	1.4%
86.4%	10,832	11,171	339	3.1%
87.7%	10,827	10,867	39	0.4%
88.9%	10,586	10,827	242	2.3%
90.1%	10,431	10,732	301	2.9%
91.4%	10,322	10,592	270	2.6%
92.6%	9,832	10,205	373	3.8%
93.8%	9,612	10,163	551	5.7%
95.1%	9,132	9,612	479	5.2%
96.3%	8,173	9,200	1,026	12.6%
97.5%	7,910	8,022	112	1.4%
98.8%	7,602	7,970	368	4.8%
100.0%	7,288	7,910	623	8.5%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,894	25,661	767	3.1%
1.2%	24,834	24,881	47	0.2%
2.5%	24,714	24,868	154	0.6%
3.7%	24,634	24,683	49	0.2%
4.9%	24,615	24,634	19	0.1%
6.2%	24,606	24,601	-6	0.0%
7.4%	24,543	24,566	23	0.1%
8.6%	24,524	24,534	10	0.0%
9.9%	24,515	24,528	13	0.1%
11.1%	24,512	24,527	15	0.1%
12.3%	24,511	24,527	16	0.1%
13.6%	24,487	24,524	37	0.2%
14.8%	24,357	24,524	167	0.7%
16.0%	24,319	24,523	204	0.8%
17.3%	24,058	24,515	457	1.9%
18.5%	23,883	24,511	628	2.6%
19.8%	23,830	24,376	547	2.3%
21.0%	23,785	24,220	435	1.8%
22.2%	23,783	24,194	410	1.7%
23.5%	23,719	24,148	430	1.8%
24.7%	23,714	24,051	338	1.4%
25.9%	23,684	23,891	207	0.9%
27.2%	23,633	23,872	239	1.0%
28.4%	23,522	23,853	330	1.4%
29.6%	23,448	23,836	388	1.7%
30.9%	23,356	23,709	353	1.5%
32.1%	22,917	23,617	700	3.1%
33.3%	22,643	23,525	882	3.9%
34.6%	22,604	23,222	618	2.7%
35.8%	22,524	23,004	480	2.1%
37.0%	22,454	23,002	549	2.4%
38.3%	22,428	22,973	545	2.4%
39.5%	22,398	22,888	490	2.2%
40.7%	22,363	22,425	61	0.3%
42.0%	22,322	22,266	-56	-0.3%
43.2%	22,134	21,963	-171	-0.8%
44.4%	21,941	21,915	-26	-0.1%
45.7%	21,857	21,339	-517	-2.4%
46.9%	21,350	21,286	-64	-0.3%
48.1%	21,225	21,176	-49	-0.2%
49.4%	20,931	21,039	108	0.5%
50.6%	20,837	20,932	95	0.5%
51.9%	20,748	20,727	-20	-0.1%
53.1%	20,713	20,708	-5	0.0%
54.3%	20,659	20,683	25	0.1%
55.6%	20,563	20,659	96	0.5%
56.8%	20,320	20,316	-4	0.0%
58.0%	20,285	20,216	-69	-0.3%
59.3%	20,258	20,178	-80	-0.4%
60.5%	20,215	20,172	-44	-0.2%
61.7%	20,128	20,153	25	0.1%
63.0%	19,978	19,904	-74	-0.4%
64.2%	19,964	19,821	-143	-0.7%
65.4%	19,590	19,798	209	1.1%
66.7%	19,395	19,695	300	1.5%
67.9%	19,175	19,594	419	2.2%
69.1%	19,149	19,147	-2	0.0%
70.4%	19,129	19,060	-69	-0.4%
71.6%	19,046	18,526	-520	-2.7%
72.8%	18,654	18,256	-398	-2.1%
74.1%	17,893	18,114	221	1.2%
75.3%	15,966	17,380	1,414	8.9%
76.5%	15,381	17,250	1,868	12.1%
77.8%	15,377	17,209	1,832	11.9%
79.0%	15,375	16,881	1,506	9.8%
80.2%	14,868	16,704	1,836	12.3%
81.5%	13,850	16,541	2,691	19.4%
82.7%	13,838	15,410	1,572	11.4%
84.0%	13,746	15,381	1,635	11.9%
85.2%	13,572	14,811	1,240	9.1%
86.4%	13,254	14,411	1,157	8.7%
87.7%	13,202	14,078	876	6.6%
88.9%	13,120	13,687	567	4.3%
90.1%	12,838	13,528	690	5.4%
91.4%	12,108	13,187	1,080	8.9%
92.6%	11,403	13,056	1,653	14.5%
93.8%	11,351	12,191	841	7.4%
95.1%	11,095	11,425	330	3.0%
96.3%	9,922	10,907	985	9.9%
97.5%	9,776	9,946	170	1.7%
98.8%	9,608	9,850	242	2.5%
100.0%	8,698	9,036	338	3.9%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,144	18,126	-18	-0.1%
1.2%	17,330	17,441	112	0.6%
2.5%	17,285	17,258	-27	-0.2%
3.7%	17,232	17,232	1	0.0%
4.9%	17,163	17,160	-3	0.0%
6.2%	17,162	17,150	-12	-0.1%
7.4%	17,139	17,139	0	0.0%
8.6%	17,078	17,133	55	0.3%
9.9%	16,982	17,098	116	0.7%
11.1%	16,919	17,078	159	0.9%
12.3%	16,903	17,039	136	0.8%
13.6%	16,762	16,919	157	0.9%
14.8%	16,745	16,905	160	1.0%
16.0%	16,740	16,879	138	0.8%
17.3%	16,732	16,745	13	0.1%
18.5%	16,720	16,710	-10	-0.1%
19.8%	16,707	16,709	2	0.0%
21.0%	16,632	16,676	43	0.3%
22.2%	16,542	16,619	76	0.5%
23.5%	16,390	16,543	152	0.9%
24.7%	16,271	16,477	206	1.3%
25.9%	16,269	16,422	153	0.9%
27.2%	16,222	16,410	187	1.2%
28.4%	16,188	16,375	187	1.2%
29.6%	16,158	16,371	213	1.3%
30.9%	16,125	16,188	63	0.4%
32.1%	16,083	16,085	2	0.0%
33.3%	16,001	15,987	-13	-0.1%
34.6%	15,841	15,974	133	0.8%
35.8%	15,837	15,928	91	0.6%
37.0%	15,822	15,911	89	0.6%
38.3%	15,761	15,837	76	0.5%
39.5%	15,745	15,804	59	0.4%
40.7%	15,736	15,761	25	0.2%
42.0%	15,588	15,751	163	1.0%
43.2%	15,510	15,751	241	1.6%
44.4%	15,494	15,740	247	1.6%
45.7%	15,305	15,735	430	2.8%
46.9%	15,287	15,610	323	2.1%
48.1%	15,248	15,599	351	2.3%
49.4%	15,229	15,583	354	2.3%
50.6%	15,222	15,420	199	1.3%
51.9%	15,101	15,395	295	2.0%
53.1%	14,974	15,380	406	2.7%
54.3%	14,944	15,304	360	2.4%
55.6%	14,932	15,287	354	2.4%
56.8%	14,916	15,222	306	2.0%
58.0%	14,711	15,182	472	3.2%
59.3%	14,642	15,151	509	3.5%
60.5%	14,625	15,092	467	3.2%
61.7%	14,576	14,974	399	2.7%
63.0%	14,549	14,841	292	2.0%
64.2%	14,410	14,806	396	2.8%
65.4%	14,242	14,741	499	3.5%
66.7%	13,720	14,625	905	6.6%
67.9%	13,585	14,576	990	7.3%
69.1%	13,457	14,551	1,094	8.1%
70.4%	13,373	14,502	1,129	8.4%
71.6%	12,788	14,410	1,622	12.7%
72.8%	12,580	14,279	1,699	13.5%
74.1%	12,365	14,231	1,866	15.1%
75.3%	10,782	13,739	2,957	27.4%
76.5%	10,191	12,816	2,625	25.8%
77.8%	9,793	12,532	2,740	28.0%
79.0%	9,407	11,723	2,315	24.6%
80.2%	9,380	11,717	2,337	24.9%
81.5%	9,376	11,669	2,293	24.5%
82.7%	9,370	11,530	2,160	23.1%
84.0%	9,163	11,298	2,135	23.3%
85.2%	9,022	10,439	1,417	15.7%
86.4%	8,934	10,378	1,443	16.2%
87.7%	8,837	10,280	1,443	16.3%
88.9%	8,650	9,474	824	9.5%
90.1%	8,424	9,257	833	9.9%
91.4%	8,243	8,988	745	9.0%
92.6%	8,176	8,984	808	9.9%
93.8%	8,139	8,768	629	7.7%
95.1%	8,077	8,759	682	8.4%
96.3%	7,779	8,731	952	12.2%
97.5%	7,574	8,540	965	12.7%
98.8%	7,347	8,504	1,157	15.8%
100.0%	7,128	8,181	1,053	14.8%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,263	30,252	-11	0.0%
1.2%	30,137	30,222	85	0.3%
2.5%	29,508	29,592	83	0.3%
3.7%	29,461	29,529	68	0.2%
4.9%	28,870	29,352	482	1.7%
6.2%	28,864	29,351	487	1.7%
7.4%	28,399	28,937	539	1.9%
8.6%	28,311	28,660	349	1.2%
9.9%	27,912	28,579	668	2.4%
11.1%	27,780	28,557	777	2.8%
12.3%	27,725	28,471	745	2.7%
13.6%	27,463	28,337	874	3.2%
14.8%	27,216	27,291	75	0.3%
16.0%	26,390	26,179	-210	-0.8%
17.3%	25,646	25,977	331	1.3%
18.5%	24,914	25,056	142	0.6%
19.8%	24,763	24,914	152	0.6%
21.0%	23,847	24,904	1,057	4.4%
22.2%	23,703	24,187	484	2.0%
23.5%	23,699	23,272	-426	-1.8%
24.7%	23,163	23,120	-43	-0.2%
25.9%	22,758	22,758	-1	0.0%
27.2%	22,582	22,639	58	0.3%
28.4%	22,463	22,526	62	0.3%
29.6%	22,429	22,463	34	0.2%
30.9%	22,371	22,439	67	0.3%
32.1%	22,320	22,061	-258	-1.2%
33.3%	21,643	21,546	-97	-0.4%
34.6%	21,547	21,483	-64	-0.3%
35.8%	21,027	21,346	319	1.5%
37.0%	19,727	19,792	65	0.3%
38.3%	19,297	19,676	379	2.0%
39.5%	18,643	19,436	793	4.3%
40.7%	16,893	17,020	128	0.8%
42.0%	16,534	16,929	395	2.4%
43.2%	14,727	15,753	1,026	7.0%
44.4%	14,679	15,550	871	5.9%
45.7%	14,448	15,458	1,010	7.0%
46.9%	14,425	15,436	1,011	7.0%
48.1%	14,284	15,134	850	6.0%
49.4%	14,124	15,122	998	7.1%
50.6%	14,019	15,090	1,071	7.6%
51.9%	13,671	14,875	1,204	8.8%
53.1%	13,610	14,847	1,237	9.1%
54.3%	13,306	14,643	1,337	10.0%
55.6%	13,236	14,637	1,401	10.6%
56.8%	13,093	14,489	1,395	10.7%
58.0%	13,081	14,351	1,270	9.7%
59.3%	12,894	14,285	1,392	10.8%
60.5%	12,892	14,245	1,353	10.5%
61.7%	12,819	14,211	1,391	10.9%
63.0%	12,503	14,090	1,587	12.7%
64.2%	12,120	14,004	1,884	15.5%
65.4%	11,686	13,644	1,958	16.8%
66.7%	11,609	13,588	1,979	17.1%
67.9%	10,795	13,496	2,702	25.0%
69.1%	10,646	13,150	2,505	23.5%
70.4%	10,295	13,096	2,801	27.2%
71.6%	10,244	12,781	2,537	24.8%
72.8%	10,117	12,773	2,656	26.3%
74.1%	9,999	12,693	2,694	26.9%
75.3%	9,938	12,389	2,451	24.7%
76.5%	9,684	12,345	2,661	27.5%
77.8%	9,622	12,264	2,642	27.5%
79.0%	9,545	12,055	2,510	26.3%
80.2%	9,477	11,727	2,249	23.7%
81.5%	9,089	11,432	2,343	25.8%
82.7%	8,865	11,388	2,522	28.4%
84.0%	8,638	11,376	2,737	31.7%
85.2%	8,609	11,288	2,679	31.1%
86.4%	8,490	10,917	2,428	28.6%
87.7%	8,417	10,402	1,985	23.6%
88.9%	8,166	10,322	2,156	26.4%
90.1%	8,130	10,252	2,122	26.1%
91.4%	8,064	9,370	1,305	16.2%
92.6%	7,719	9,043	1,324	17.1%
93.8%	7,057	8,811	1,755	24.9%
95.1%	6,903	8,575	1,672	24.2%
96.3%	6,767	8,075	1,308	19.3%
97.5%	6,708	8,022	1,314	19.6%
98.8%	6,444	7,695	1,251	19.4%
100.0%	6,426	7,115	690	10.7%

Figure SW-18-b
Lake Oroville, End of Month Storage
Probability of Exceedance

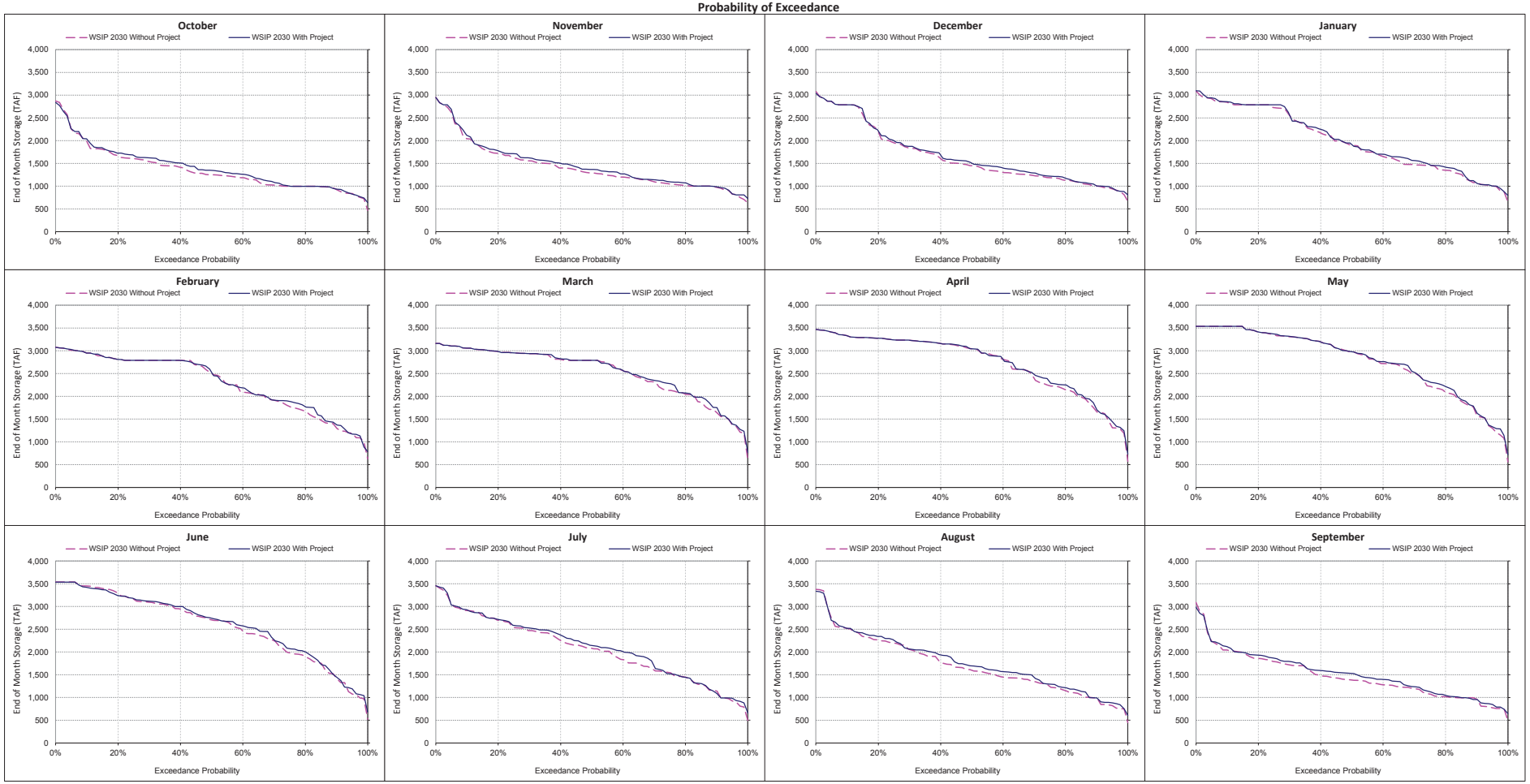


Table SW-18-b

Lake Oroville, End of Month Storage
Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,872	2,839	-33	-1.2%
1.2%	2,839	2,772	-67	-2.4%
2.5%	2,682	2,638	-44	-1.6%
3.7%	2,573	2,541	-33	-1.3%
4.9%	2,264	2,264	0	0.0%
6.2%	2,164	2,203	39	1.8%
7.4%	2,157	2,199	42	1.9%
8.6%	2,061	2,047	-14	-0.7%
9.9%	1,995	2,039	44	2.2%
11.1%	1,826	1,943	118	6.4%
12.3%	1,822	1,859	37	2.0%
13.6%	1,822	1,847	25	1.4%
14.8%	1,811	1,844	33	1.8%
16.0%	1,789	1,800	10	0.6%
17.3%	1,751	1,771	20	1.1%
18.5%	1,696	1,761	66	3.9%
19.8%	1,675	1,725	50	3.0%
21.0%	1,633	1,725	92	5.7%
22.2%	1,620	1,704	85	5.2%
23.5%	1,615	1,692	77	4.8%
24.7%	1,608	1,685	77	4.8%
25.9%	1,599	1,643	44	2.7%
27.2%	1,584	1,630	46	2.9%
28.4%	1,577	1,628	51	3.2%
29.6%	1,545	1,624	79	5.1%
30.9%	1,527	1,616	89	5.8%
32.1%	1,517	1,614	97	6.4%
33.3%	1,460	1,565	105	7.2%
34.6%	1,451	1,564	113	7.8%
35.8%	1,447	1,544	97	6.7%
37.0%	1,446	1,531	85	5.9%
38.3%	1,445	1,515	69	4.8%
39.5%	1,420	1,512	92	6.5%
40.7%	1,403	1,503	100	7.2%
42.0%	1,351	1,461	110	8.1%
43.2%	1,318	1,434	116	8.8%
44.4%	1,290	1,433	143	11.0%
45.7%	1,283	1,360	77	6.0%
46.9%	1,282	1,360	78	6.1%
48.1%	1,257	1,352	96	7.6%
49.4%	1,250	1,349	100	8.0%
50.6%	1,249	1,342	93	7.5%
51.9%	1,245	1,335	91	7.3%
53.1%	1,234	1,319	85	6.9%
54.3%	1,230	1,298	69	5.6%
55.6%	1,222	1,291	69	5.7%
56.8%	1,211	1,275	64	5.3%
58.0%	1,198	1,274	75	6.3%
59.3%	1,187	1,265	78	6.6%
60.5%	1,183	1,259	76	6.4%
61.7%	1,152	1,242	90	7.8%
63.0%	1,148	1,210	62	5.4%
64.2%	1,138	1,175	37	3.2%
65.4%	1,074	1,162	88	8.2%
66.7%	1,039	1,135	96	9.2%
67.9%	1,029	1,117	88	8.6%
69.1%	1,026	1,105	79	7.7%
70.4%	1,022	1,076	54	5.3%
71.6%	1,015	1,062	47	4.6%
72.8%	1,001	1,022	21	2.1%
74.1%	998	1,012	14	1.4%
75.3%	998	998	0	0.0%
76.5%	998	998	0	0.0%
77.8%	998	998	0	0.0%
79.0%	998	998	0	0.0%
80.2%	998	998	0	0.0%
81.5%	998	998	0	0.0%
82.7%	998	998	0	0.0%
84.0%	998	998	0	0.0%
85.2%	990	991	2	0.2%
86.4%	983	988	6	0.6%
87.7%	980	983	3	0.3%
88.9%	964	951	-13	-1.4%
90.1%	920	932	12	1.3%
91.4%	879	930	51	5.8%
92.6%	850	890	40	4.7%
93.8%	843	852	10	1.2%
95.1%	837	827	-10	-1.2%
96.3%	786	803	18	2.2%
97.5%	753	771	18	2.3%
98.8%	727	738	12	1.6%
100.0%	469	643	174	37.0%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,950	2,950	0	0.0%
1.2%	2,834	2,834	0	0.0%
2.5%	2,788	2,788	0	0.0%
3.7%	2,735	2,788	53	1.9%
4.9%	2,627	2,691	64	2.4%
6.2%	2,369	2,405	36	1.5%
7.4%	2,358	2,336	-22	-1.0%
8.6%	2,120	2,245	125	5.9%
9.9%	2,045	2,120	75	3.7%
11.1%	2,035	2,079	45	2.2%
12.3%	1,955	1,934	-22	-1.1%
13.6%	1,901	1,901	0	0.0%
14.8%	1,829	1,880	51	2.8%
16.0%	1,788	1,849	62	3.5%
17.3%	1,755	1,814	60	3.4%
18.5%	1,729	1,807	78	4.5%
19.8%	1,723	1,785	62	3.6%
21.0%	1,713	1,751	38	2.2%
22.2%	1,675	1,723	48	2.9%
23.5%	1,675	1,718	43	2.5%
24.7%	1,624	1,717	93	5.7%
25.9%	1,609	1,708	99	6.2%
27.2%	1,576	1,629	52	3.3%
28.4%	1,575	1,625	50	3.2%
29.6%	1,558	1,621	63	4.1%
30.9%	1,553	1,612	59	3.8%
32.1%	1,524	1,585	61	4.0%
33.3%	1,511	1,573	62	4.1%
34.6%	1,503	1,568	65	4.3%
35.8%	1,500	1,553	53	3.5%
37.0%	1,494	1,542	48	3.2%
38.3%	1,455	1,518	63	4.3%
39.5%	1,400	1,512	112	8.0%
40.7%	1,399	1,490	91	6.5%
42.0%	1,395	1,487	92	6.6%
43.2%	1,386	1,466	80	5.8%
44.4%	1,367	1,435	67	4.9%
45.7%	1,347	1,411	64	4.7%
46.9%	1,319	1,371	52	4.0%
48.1%	1,301	1,371	70	5.4%
49.4%	1,292	1,368	77	6.0%
50.6%	1,289	1,368	79	6.2%
51.9%	1,275	1,359	84	6.6%
53.1%	1,270	1,330	60	4.7%
54.3%	1,247	1,328	82	6.5%
55.6%	1,236	1,316	81	6.5%
56.8%	1,229	1,315	86	7.0%
58.0%	1,203	1,310	107	8.9%
59.3%	1,201	1,273	72	6.0%
60.5%	1,199	1,267	69	5.7%
61.7%	1,187	1,242	55	4.7%
63.0%	1,177	1,196	19	1.6%
64.2%	1,174	1,171	-2	-0.2%
65.4%	1,147	1,163	16	1.4%
66.7%	1,142	1,150	8	0.7%
67.9%	1,142	1,149	7	0.6%
69.1%	1,114	1,142	28	2.5%
70.4%	1,090	1,139	49	4.5%
71.6%	1,078	1,130	52	4.8%
72.8%	1,070	1,128	58	5.4%
74.1%	1,058	1,104	45	4.3%
75.3%	1,044	1,091	48	4.6%
76.5%	1,038	1,089	51	4.9%
77.8%	1,028	1,086	58	5.7%
79.0%	1,022	1,074	53	5.2%
80.2%	1,016	1,073	56	5.5%
81.5%	1,001	1,031	30	3.0%
82.7%	1,001	1,001	0	0.0%
84.0%	1,001	1,001	0	0.0%
85.2%	1,001	1,001	0	0.0%
86.4%	1,001	1,001	0	0.0%
87.7%	1,001	1,001	0	0.0%
88.9%	991	994	3	0.3%
90.1%	972	983	11	1.1%
91.4%	954	969	14	1.5%
92.6%	912	956	44	4.8%
93.8%	907	912	5	0.5%
95.1%	823	833	10	1.2%
96.3%	818	808	-10	-1.3%
97.5%	748	806	58	7.7%
98.8%	707	805	98	13.9%
100.0%	632	731	99	15.7%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,082	3,038	-44	-1.4%
1.2%	2,968	2,968	0	0.0%
2.5%	2,930	2,930	0	0.0%
3.7%	2,867	2,867	0	0.0%
4.9%	2,866	2,866	0	0.0%
6.2%	2,800	2,800	0	0.0%
7.4%	2,788	2,788	0	0.0%
8.6%	2,788	2,788	0	0.0%
9.9%	2,788	2,788	0	0.0%
11.1%	2,788	2,788	0	0.0%
12.3%	2,782	2,781	-1	0.0%
13.6%	2,740	2,747	7	0.3%
14.8%	2,604	2,707	103	4.0%
16.0%	2,432	2,426	-6	-0.2%
17.3%	2,335	2,380	45	1.9%
18.5%	2,314	2,279	-35	-1.5%
19.8%	2,241	2,241	0	0.0%
21.0%	2,032	2,107	75	3.7%
22.2%	2,018	2,103	86	4.2%
23.5%	1,997	2,033	36	1.8%
24.7%	1,961	2,013	52	2.6%
25.9%	1,930	1,960	30	1.6%
27.2%	1,920	1,953	33	1.7%
28.4%	1,869	1,888	19	1.0%
29.6%	1,841	1,874	33	1.8%
30.9%	1,829	1,873	45	2.4%
32.1%	1,826	1,838	12	0.7%
33.3%	1,774	1,803	29	1.6%
34.6%	1,750	1,788	38	2.2%
35.8%	1,739	1,773	34	2.0%
37.0%	1,715	1,756	41	2.4%
38.3%	1,704	1,744	40	2.3%
39.5%	1,634	1,733	100	6.1%
40.7%	1,564	1,613	49	3.1%
42.0%	1,546	1,590	44	2.9%
43.2%	1,508	1,587	79	5.2%
44.4%	1,506	1,572	65	4.3%
45.7%	1,502	1,565	63	4.2%
46.9%	1,484	1,563	79	5.3%
48.1%	1,476	1,557	80	5.4%
49.4%	1,451	1,524	74	5.1%
50.6%	1,447	1,483	36	2.5%
51.9%	1,433	1,476	42	2.9%
53.1%	1,402	1,460	58	4.2%
54.3%	1,350	1,453	103	7.7%
55.6%	1,347	1,446	99	7.3%
56.8%	1,338	1,437	99	7.4%
58.0%	1,332	1,432	100	7.5%
59.3%	1,308	1,411	103	7.9%
60.5%	1,297	1,389	92	7.1%
61.7%	1,296	1,378	82	6.3%
63.0%	1,285	1,371	86	6.7%
64.2%	1,270	1,354	83	6.5%
65.4%	1,263	1,333	70	5.5%
66.7%	1,260	1,325	64	5.1%
67.9%	1,253	1,309	57	4.5%
69.1%	1,241	1,295	54	4.4%
70.4%	1,226	1,289	62	5.1%
71.6%	1,221	1,255	34	2.8%
72.8%	1,210	1,238	29	2.4%
74.1%	1,189	1,225	36	3.0%
75.3%	1,185	1,218	34	2.8%
76.5%	1,181	1,212	31	2.6%
77.8%	1,172	1,212	40	3.4%
79.0%	1,138	1,202	64	5.6%
80.2%	1,125	1,168	43	3.8%
81.5%	1,124	1,147	23	2.0%
82.7%	1,106	1,108	2	0.2%
84.0%	1,087	1,093	6	0.6%
85.2%	1,059	1,081	22	2.1%
86.4%	1,047	1,073	26	2.5%
87.7%	1,034	1,056	22	2.1%
88.9%	1,006	1,047	42	4.1%
90.1%	1,002	1,002	0	0.0%
91.4%	990	1,001	12	1.2%
92.6%	965	998	33	3.5%
93.8%	964	993	29	3.1%
95.1%	940	954	15	1.6%
96.3%	911	907	-4	-0.4%
97.5%	881	889	8	0.9%
98.8%	813	880	68	8.3%
100.0%	665	809	144	21.6%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,091	3,094	3	0.1%
1.2%	3,007	3,091	84	2.8%
2.5%	2,943	3,007	64	2.2%
3.7%	2,940	2,943	3	0.1%
4.9%	2,924	2,940	16	0.5%
6.2%	2,870	2,924	54	1.9%
7.4%	2,854	2,870	16	0.6%
8.6%	2,854	2,854	0	0.0%
9.9%	2,846	2,854	8	0.3%
11.1%	2,809	2,846	37	1.3%
12.3%	2,788	2,813	25	0.9%
13.6%	2,788	2,809	21	0.8%
14.8%	2,788	2,794	6	0.2%
16.0%	2,788	2,788	0	0.0%
17.3%	2,788	2,788	0	0.0%
18.5%	2,788	2,788	0	0.0%
19.8%	2,788	2,788	0	0.0%
21.0%	2,788	2,788	0	0.0%
22.2%	2,788	2,788	0	0.0%
23.5%	2,787	2,788	1	0.0%
24.7%	2,730	2,788	58	2.1%
25.9%	2,719	2,788	69	2.6%
27.2%	2,711	2,788	77	2.8%
28.4%	2,707	2,749	41	1.5%
29.6%	2,588	2,624	36	1.4%
30.9%	2,477	2,431	-46	-1.9%
32.1%	2,431	2,426	-5	-0.2%
33.3%	2,395	2,400	5	0.2%
34.6%	2,373	2,392	19	0.8%
35.8%	2,276	2,308	33	1.4%
37.0%	2,253	2,304	51	2.3%
38.3%	2,213	2,289	76	3.4%
39.5%	2,186	2,255	68	3.1%
40.7%	2,144	2,237	93	4.3%
42.0%	2,117	2,195	78	3.7%
43.2%	2,106	2,076	-30	-1.4%
44.4%	1,993	2,032	39	1.9%
45.7%	1,993	2,028	36	1.8%
46.9%	1,981	1,984	3	0.2%
48.1%	1,946	1,951	5	0.3%
49.4%	1,905	1,951	45	2.4%
50.6%	1,894	1,875	-19	-1.0%
51.9%	1,886	1,864	-22	-1.2%
53.1%	1,780	1,809	29	1.6%
54.3%	1,758	1,797	39	2.2%
55.6%	1,750	1,796	46	2.6%
56.8%	1,749	1,757	8	0.4%
58.0%	1,703	1,702	-1	-0.1%
59.3%	1,668	1,702	34	2.0%
60.5%	1,641	1,698	57	3.4%
61.7%	1,620	1,668	48	3.0%
63.0%	1,614	1,648	34	2.1%
64.2%	1,577	1,647	70	4.5%
65.4%	1,544	1,641	97	6.3%
66.7%	1,479	1,622	143	9.6%
67.9%	1,477	1,606	128	8.7%
69.1%	1,477	1,566	89	6.1%
70.4%	1,465	1,563	98	6.7%
71.6%	1,464	1,549	85	5.8%
72.8%	1,461	1,521	60	4.1%
74.1%	1,456	1,499	44	3.0%
75.3%	1,455	1,460	5	0.3%
76.5%	1,440	1,455	15	1.1%
77.8%	1,359	1,455	96	7.1%
79.0%	1,355	1,434	79	5.8%
80.2%	1,350	1,410	59	4.4%
81.5%	1,344	1,404	60	4.4%
82.7%	1,296	1,390	94	7.3%
84.0%	1,279	1,353	73	5.7%
85.2%	1,255	1,326	71	5.7%
86.4%	1,159	1,208	49	4.2%
87.7%	1,124	1,123	-1	-0.1%
88.9%	1,079	1,122	43	4.0%
90.1%	1,078	1,057	-21	-1.9%
91.4%	1,037	1,034	-3	-0.3%
92.6%	1,031	1,031	0	0.0%
93.8%	1,021	1,029	8	0.8%
95.1%	1,003	1,003	0	0.0%
96.3%	992	1,003	11	1.1%
97.5%	900	951	50	5.6%
98.8%	874	880	6	0.7%
100.0%	654	798	144	22.0%

Table SW-18-b

Lake Oroville, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,078	3,078	0	0.0%
1.2%	3,064	3,064	0	0.0%
2.5%	3,057	3,057	0	0.0%
3.7%	3,028	3,041	13	0.4%
4.9%	3,014	3,028	13	0.4%
6.2%	3,009	3,009	0	0.0%
7.4%	2,997	2,997	0	0.0%
8.6%	2,987	2,987	0	0.0%
9.9%	2,952	2,952	0	0.0%
11.1%	2,951	2,951	0	0.0%
12.3%	2,925	2,928	3	0.1%
13.6%	2,891	2,925	34	1.2%
14.8%	2,890	2,890	0	0.0%
16.0%	2,856	2,856	0	0.0%
17.3%	2,853	2,853	0	0.0%
18.5%	2,832	2,832	0	0.0%
19.8%	2,813	2,813	0	0.0%
21.0%	2,806	2,806	0	0.0%
22.2%	2,788	2,788	0	0.0%
23.5%	2,788	2,788	0	0.0%
24.7%	2,788	2,788	0	0.0%
25.9%	2,788	2,788	0	0.0%
27.2%	2,788	2,788	0	0.0%
28.4%	2,788	2,788	0	0.0%
29.6%	2,788	2,788	0	0.0%
30.9%	2,788	2,788	0	0.0%
32.1%	2,788	2,788	0	0.0%
33.3%	2,788	2,788	0	0.0%
34.6%	2,788	2,788	0	0.0%
35.8%	2,788	2,788	0	0.0%
37.0%	2,788	2,788	0	0.0%
38.3%	2,788	2,788	0	0.0%
39.5%	2,788	2,788	0	0.0%
40.7%	2,788	2,787	-1	0.0%
42.0%	2,787	2,775	-12	-0.4%
43.2%	2,786	2,756	-30	-1.1%
44.4%	2,700	2,714	14	0.5%
45.7%	2,675	2,697	21	0.8%
46.9%	2,660	2,686	26	1.0%
48.1%	2,587	2,666	79	3.1%
49.4%	2,526	2,596	70	2.8%
50.6%	2,474	2,455	-19	-0.8%
51.9%	2,461	2,443	-18	-0.7%
53.1%	2,409	2,335	-74	-3.1%
54.3%	2,295	2,289	-5	-0.2%
55.6%	2,255	2,255	0	0.0%
56.8%	2,253	2,252	-1	-0.1%
58.0%	2,251	2,214	-37	-1.6%
59.3%	2,093	2,192	99	4.7%
60.5%	2,088	2,179	91	4.4%
61.7%	2,078	2,117	39	1.9%
63.0%	2,063	2,066	3	0.2%
64.2%	2,059	2,034	-26	-1.2%
65.4%	2,029	2,033	4	0.2%
66.7%	2,014	2,024	10	0.5%
67.9%	1,936	1,983	46	2.4%
69.1%	1,926	1,923	-3	-0.2%
70.4%	1,908	1,914	5	0.3%
71.6%	1,884	1,908	24	1.3%
72.8%	1,855	1,903	49	2.6%
74.1%	1,805	1,903	97	5.4%
75.3%	1,765	1,883	117	6.7%
76.5%	1,747	1,858	112	6.4%
77.8%	1,725	1,841	116	6.7%
79.0%	1,697	1,814	118	6.9%
80.2%	1,665	1,762	97	5.8%
81.5%	1,593	1,759	166	10.4%
82.7%	1,549	1,754	205	13.2%
84.0%	1,522	1,591	69	4.5%
85.2%	1,467	1,568	101	6.9%
86.4%	1,417	1,461	44	3.1%
87.7%	1,404	1,442	38	2.7%
88.9%	1,402	1,431	29	2.1%
90.1%	1,296	1,367	72	5.5%
91.4%	1,238	1,357	119	9.6%
92.6%	1,234	1,287	53	4.3%
93.8%	1,198	1,201	2	0.2%
95.1%	1,188	1,172	-16	-1.4%
96.3%	1,091	1,164	73	6.7%
97.5%	1,088	1,127	39	3.6%
98.8%	1,002	886	-115	-11.5%
100.0%	628	787	160	25.4%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,163	3,163	0	0.0%
1.2%	3,162	3,162	0	0.0%
2.5%	3,123	3,123	0	0.0%
3.7%	3,120	3,120	0	0.0%
4.9%	3,105	3,105	0	0.0%
6.2%	3,105	3,105	0	0.0%
7.4%	3,096	3,096	0	0.0%
8.6%	3,063	3,063	0	0.0%
9.9%	3,059	3,059	0	0.0%
11.1%	3,058	3,058	0	0.0%
12.3%	3,036	3,036	0	0.0%
13.6%	3,028	3,028	0	0.0%
14.8%	3,027	3,027	0	0.0%
16.0%	3,018	3,018	0	0.0%
17.3%	2,999	2,999	0	0.0%
18.5%	2,995	2,995	0	0.0%
19.8%	2,988	2,988	0	0.0%
21.0%	2,964	2,964	0	0.0%
22.2%	2,964	2,964	0	0.0%
23.5%	2,964	2,964	0	0.0%
24.7%	2,954	2,954	0	0.0%
25.9%	2,951	2,951	0	0.0%
27.2%	2,944	2,944	0	0.0%
28.4%	2,943	2,943	0	0.0%
29.6%	2,937	2,937	0	0.0%
30.9%	2,936	2,936	0	0.0%
32.1%	2,936	2,936	0	0.0%
33.3%	2,927	2,927	0	0.0%
34.6%	2,922	2,924	2	0.1%
35.8%	2,918	2,922	4	0.1%
37.0%	2,847	2,918	71	2.5%
38.3%	2,817	2,847	30	1.1%
39.5%	2,817	2,833	16	0.6%
40.7%	2,799	2,817	18	0.6%
42.0%	2,788	2,817	29	1.0%
43.2%	2,788	2,788	0	0.0%
44.4%	2,788	2,788	0	0.0%
45.7%	2,788	2,788	0	0.0%
46.9%	2,788	2,788	0	0.0%
48.1%	2,788	2,788	0	0.0%
49.4%	2,788	2,788	0	0.0%
50.6%	2,788	2,788	0	0.0%
51.9%	2,788	2,788	0	0.0%
53.1%	2,757	2,728	-29	-1.1%
54.3%	2,754	2,727	-27	-1.0%
55.6%	2,703	2,709	7	0.2%
56.8%	2,684	2,629	-55	-2.1%
58.0%	2,599	2,607	7	0.3%
59.3%	2,584	2,596	12	0.4%
60.5%	2,550	2,544	-6	-0.2%
61.7%	2,530	2,531	1	0.0%
63.0%	2,483	2,483	0	0.0%
64.2%	2,434	2,478	44	1.8%
65.4%	2,406	2,438	32	1.3%
66.7%	2,377	2,414	37	1.5%
67.9%	2,323	2,381	57	2.5%
69.1%	2,322	2,363	42	1.8%
70.4%	2,314	2,343	29	1.3%
71.6%	2,205	2,336	131	6.0%
72.8%	2,156	2,304	148	6.9%
74.1%	2,132	2,288	156	7.3%
75.3%	2,130	2,277	147	6.9%
76.5%	2,112	2,244	132	6.3%
77.8%	2,081	2,082	1	0.1%
79.0%	2,077	2,080	3	0.1%
80.2%	2,041	2,069	29	1.4%
81.5%	2,039	2,058	19	0.9%
82.7%	2,024	1,985	-39	-1.9%
84.0%	1,885	1,983	98	5.2%
85.2%	1,864	1,979	115	6.2%
86.4%	1,770	1,933	162	9.2%
87.7%	1,713	1,862	149	8.7%
88.9%	1,711	1,757	46	2.7%
90.1%	1,638	1,751	113	6.9%
91.4%	1,554	1,574	19	1.2%
92.6%	1,545	1,567	22	1.4%
93.8%	1,498	1,498	0	0.0%
95.1%	1,363	1,391	28	2.0%
96.3%	1,337	1,367	30	2.2%
97.5%	1,212	1,274	63	5.2%
98.8%	1,196	1,232	36	3.0%
100.0%	607	767	159	26.2%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,470	3,470	0	0.0%
1.2%	3,456	3,456	0	0.0%
2.5%	3,452	3,452	0	0.0%
3.7%	3,433	3,433	0	0.0%
4.9%	3,410	3,410	0	0.0%
6.2%	3,396	3,396	0	0.0%
7.4%	3,354	3,354	0	0.0%
8.6%	3,352	3,352	0	0.0%
9.9%	3,334	3,334	0	0.0%
11.1%	3,303	3,303	0	0.0%
12.3%	3,298	3,298	0	0.0%
13.6%	3,292	3,292	0	0.0%
14.8%	3,292	3,292	0	0.0%
16.0%	3,291	3,291	0	0.0%
17.3%	3,284	3,284	0	0.0%
18.5%	3,281	3,281	0	0.0%
19.8%	3,277	3,277	0	0.0%
21.0%	3,276	3,276	-1	0.0%
22.2%	3,263	3,262	-1	0.0%
23.5%	3,254	3,253	-1	0.0%
24.7%	3,243	3,242	0	0.0%
25.9%	3,238	3,238	0	0.0%
27.2%	3,236	3,236	0	0.0%
28.4%	3,235	3,235	0	0.0%
29.6%	3,234	3,234	0	0.0%
30.9%	3,227	3,226	-1	0.0%
32.1%	3,218	3,218	0	0.0%
33.3%	3,208	3,208	0	0.0%
34.6%	3,208	3,208	0	0.0%
35.8%	3,196	3,195	-1	0.0%
37.0%	3,190	3,190	-1	0.0%
38.3%	3,180	3,180	0	0.0%
39.5%	3,165	3,165	-1	0.0%
40.7%	3,150	3,150	-1	0.0%
42.0%	3,150	3,149	-1	0.0%
43.2%	3,139	3,147	8	0.3%
44.4%	3,128	3,139	11	0.3%
45.7%	3,108	3,128	20	0.6%
46.9%	3,102	3,107	5	0.2%
48.1%	3,069	3,101	32	1.0%
49.4%	3,051	3,050	-1	0.0%
50.6%	3,035	3,041	6	0.2%
51.9%	3,023	3,035	12	0.4%
53.1%	2,946	2,949	3	0.1%
54.3%	2,943	2,949	6	0.2%
55.6%	2,932	2,893	-38	-1.3%
56.8%	2,899	2,890	-9	-0.3%
58.0%	2,890	2,883	-7	-0.2%
59.3%	2,832	2,875	43	1.5%
60.5%	2,803	2,770	-32	-1.1%
61.7%	2,780	2,755	-25	-0.9%
63.0%	2,601	2,739	138	5.3%
64.2%	2,597	2,603	7	0.3%
65.4%	2,587	2,591	3	0.1%
66.7%	2,583	2,589	6	0.2%
67.9%	2,564	2,550	-14	-0.5%
69.1%	2,486	2,529	43	1.7%
70.4%	2,350	2,460	109	4.6%
71.6%	2,307	2,430	123	5.3%
72.8%	2,285	2,404	119	5.2%
74.1%	2,252	2,388	136	6.1%
75.3%	2,224	2,286	62	2.8%
76.5%	2,224	2,280	56	2.5%
77.8%	2,209	2,261	52	2.4%
79.0%	2,175	2,256	81	3.7%
80.2%	2,137	2,247	110	5.2%
81.5%	2,126	2,192	66	3.1%
82.7%	2,087	2,167	80	3.8%
84.0%	1,993	2,042	49	2.4%
85.2%	1,981	2,029	48	2.4%
86.4%	1,942	1,957	15	0.8%
87.7%	1,846	1,940	93	5.1%
88.9%	1,758	1,863	105	6.0%
90.1%	1,654	1,700	46	2.8%
91.4%	1,651	1,629	-21	-1.3%
92.6%	1,618	1,603	-15	-0.9%
93.8%	1,462	1,529	67	4.6%
95.1%	1,307	1,438	130	10.0%
96.3%	1,304	1,340	36	2.8%
97.5%	1,285	1,320	35	2.7%
98.8%	1,186	1,244	57	4.8%
100.0%	573	732	159	27.8%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,538	0	0.0%
3.7%	3,538	3,538	0	0.0%
4.9%	3,538	3,538	0	0.0%
6.2%	3,538	3,538	0	0.0%
7.4%	3,538	3,538	0	0.0%
8.6%	3,538	3,538	0	0.0%
9.9%	3,538	3,538	0	0.0%
11.1%	3,538	3,538	0	0.0%
12.3%	3,538	3,538	0	0.0%
13.6%	3,538	3,538	0	0.0%
14.8%	3,538	3,538	0	0.0%
16.0%	3,467	3,466	-1	0.0%
17.3%	3,464	3,463	-1	0.0%
18.5%	3,448	3,447	-1	0.0%
19.8%	3,416	3,415	-1	0.0%
21.0%	3,399	3,399	-1	0.0%
22.2%	3,396	3,395	-1	0.0%
23.5%	3,374	3,383	9	0.3%
24.7%	3,364	3,373	9	0.3%
25.9%	3,330	3,363	32	1.0%
27.2%	3,328	3,330	1	0.0%
28.4%	3,324	3,327	3	0.1%
29.6%	3,309	3,323	13	0.4%
30.9%	3,306	3,309	3	0.1%
32.1%	3,298	3,297	-1	0.0%
33.3%	3,290	3,288	-1	0.0%
34.6%	3,277	3,275	-1	0.0%
35.8%	3,263	3,262	-1	0.0%
37.0%	3,231	3,230	-1	0.0%
38.3%	3,217	3,217	0	0.0%
39.5%	3,209	3,208	-1	0.0%
40.7%	3,175	3,174	-1	0.0%
42.0%	3,160	3,157	-3	-0.1%
43.2%	3,140	3,139	-1	0.0%
44.4%	3,073	3,072	-1	0.0%
45.7%	3,046	3,045	-2	0.0%
46.9%	3,030	3,008	-22	-0.7%
48.1%	3,001	3,001	0	0.0%
49.4%	2,978	2,985	7	0.2%
50.6%	2,974	2,972	-2	-0.1%
51.9%	2,937	2,943	6	0.2%
53.1%	2,917	2,936	19	0.7%
54.3%	2,910	2,909	-1	0.0%
55.6%	2,819	2,845	26	0.9%
56.8%	2,818	2,828	11	0.4%
58.0%	2,787	2,770	-17	-0.6%
59.3%	2,721	2,762	41	1.5%
60.5%	2,720	2,760	40	1.5%
61.7%	2,716	2,734	18	0.7%
63.0%	2,716	2,725	9	0.3%
64.2%	2,706	2,717	11	0.4%
65.4%	2,666	2,710	43	1.6%
66.7%	2,604	2,704	100	3.8%
67.9%	2,569	2,679	110	4.3%
69.1%	2,506	2,554	48	1.9%
70.4%	2,503	2,514	11	0.4%
71.6%	2,449	2,453	4	0.1%
72.8%	2,369	2,361	-8	-0.4%
74.1%	2,232	2,341	109	4.9%
75.3%	2,216	2,304	88	4.0%
76.5%	2,179	2,292	113	5.2%
77.8%	2,170	2,278	108	5.0%
79.0%	2,145	2,249	104	4.9%
80.2%	2,075	2,206	131	6.3%
81.5%	2,063	2,176	113	5.5%
82.7%	2,035	2,130	95	4.6%
84.0%	1,948	1,986	39	2.0%
85.2%	1,886	1,923	37	2.0%
86.4%	1,837	1,892	55	3.0%
87.7%	1,793	1,813	20	1.1%
88.9%	1,769	1,786	17	0.9%
90.1%	1,563	1,626	63	4.1%
91.4%	1,543	1,572	29	1.9%
92.6%	1,525	1,527	2	0.1%
93.8%	1,355	1,373	18	1.3%
95.1%	1,296	1,331	34	2.7%
96.3%	1,206	1,288	82	6.8%
97.5%	1,152	1,285	133	11.5%
98.8%	1,077	1,143	66	6.2%
100.0%	559	718	159	28.4%

Table SW-18-b

Lake Oroville, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,538	0	0.0%
3.7%	3,538	3,538	0	0.0%
4.9%	3,538	3,538	0	0.0%
6.2%	3,538	3,538	0	0.0%
7.4%	3,481	3,475	-6	-0.2%
8.6%	3,452	3,431	-21	-0.6%
9.9%	3,451	3,421	-30	-0.9%
11.1%	3,446	3,402	-44	-1.3%
12.3%	3,418	3,391	-27	-0.8%
13.6%	3,416	3,389	-27	-0.8%
14.8%	3,397	3,371	-26	-0.8%
16.0%	3,382	3,364	-18	-0.5%
17.3%	3,375	3,313	-62	-1.8%
18.5%	3,345	3,284	-61	-1.8%
19.8%	3,302	3,241	-61	-1.8%
21.0%	3,232	3,229	-3	-0.1%
22.2%	3,224	3,228	5	0.1%
23.5%	3,190	3,190	0	0.0%
24.7%	3,174	3,183	9	0.3%
25.9%	3,117	3,147	30	0.9%
27.2%	3,107	3,142	35	1.1%
28.4%	3,106	3,125	19	0.6%
29.6%	3,097	3,119	22	0.7%
30.9%	3,090	3,111	21	0.7%
32.1%	3,067	3,104	38	1.2%
33.3%	3,055	3,089	34	1.1%
34.6%	3,052	3,066	15	0.5%
35.8%	3,026	3,056	30	1.0%
37.0%	3,022	3,032	10	0.3%
38.3%	2,955	3,001	46	1.5%
39.5%	2,950	2,999	49	1.6%
40.7%	2,925	2,998	74	2.5%
42.0%	2,870	2,935	65	2.3%
43.2%	2,865	2,906	41	1.4%
44.4%	2,789	2,859	70	2.5%
45.7%	2,786	2,816	29	1.1%
46.9%	2,764	2,791	27	1.0%
48.1%	2,754	2,764	10	0.4%
49.4%	2,715	2,755	40	1.5%
50.6%	2,694	2,728	33	1.2%
51.9%	2,692	2,712	20	0.7%
53.1%	2,684	2,685	0	0.0%
54.3%	2,676	2,675	-1	0.0%
55.6%	2,642	2,672	30	1.1%
56.8%	2,568	2,666	98	3.8%
58.0%	2,534	2,600	65	2.6%
59.3%	2,513	2,581	68	2.7%
60.5%	2,418	2,567	149	6.2%
61.7%	2,403	2,538	134	5.6%
63.0%	2,403	2,532	129	5.4%
64.2%	2,394	2,516	123	5.1%
65.4%	2,360	2,457	97	4.1%
66.7%	2,341	2,452	111	4.7%
67.9%	2,296	2,448	152	6.6%
69.1%	2,276	2,326	51	2.2%
70.4%	2,236	2,244	8	0.4%
71.6%	2,134	2,225	91	4.3%
72.8%	2,077	2,184	107	5.1%
74.1%	1,995	2,087	91	4.6%
75.3%	1,974	2,066	92	4.6%
76.5%	1,956	2,061	105	5.4%
77.8%	1,951	2,032	81	4.2%
79.0%	1,937	2,027	90	4.7%
80.2%	1,890	1,992	102	5.4%
81.5%	1,848	1,939	91	5.0%
82.7%	1,787	1,882	95	5.3%
84.0%	1,773	1,816	43	2.4%
85.2%	1,749	1,722	-27	-1.6%
86.4%	1,597	1,703	106	6.6%
87.7%	1,532	1,612	80	5.2%
88.9%	1,524	1,510	-14	-0.9%
90.1%	1,412	1,440	29	2.0%
91.4%	1,328	1,370	42	3.1%
92.6%	1,326	1,229	-97	-7.3%
93.8%	1,129	1,219	90	8.0%
95.1%	1,075	1,192	118	10.9%
96.3%	1,062	1,083	21	1.9%
97.5%	991	1,065	74	7.5%
98.8%	974	1,041	67	6.9%
100.0%	524	683	158	30.2%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,456	3,456	0	0.0%
1.2%	3,402	3,426	24	0.7%
2.5%	3,357	3,405	48	1.4%
3.7%	3,246	3,294	47	1.5%
4.9%	3,059	3,035	-24	-0.8%
6.2%	2,985	3,009	24	0.8%
7.4%	2,966	2,989	23	0.8%
8.6%	2,917	2,942	25	0.9%
9.9%	2,913	2,932	19	0.7%
11.1%	2,906	2,890	-15	-0.5%
12.3%	2,889	2,866	-24	-0.8%
13.6%	2,879	2,860	-19	-0.6%
14.8%	2,798	2,856	58	2.1%
16.0%	2,778	2,765	-14	-0.5%
17.3%	2,751	2,741	-10	-0.4%
18.5%	2,745	2,739	-6	-0.2%
19.8%	2,700	2,719	19	0.7%
21.0%	2,696	2,703	8	0.3%
22.2%	2,667	2,689	22	0.8%
23.5%	2,651	2,667	16	0.6%
24.7%	2,538	2,588	50	2.0%
25.9%	2,533	2,575	42	1.7%
27.2%	2,527	2,570	43	1.7%
28.4%	2,521	2,534	13	0.5%
29.6%	2,471	2,532	61	2.5%
30.9%	2,468	2,518	50	2.0%
32.1%	2,452	2,507	55	2.2%
33.3%	2,428	2,487	58	2.4%
34.6%	2,424	2,486	61	2.5%
35.8%	2,419	2,477	58	2.4%
37.0%	2,385	2,457	71	3.0%
38.3%	2,328	2,421	92	4.0%
39.5%	2,271	2,386	115	5.1%
40.7%	2,221	2,346	125	5.6%
42.0%	2,188	2,303	114	5.2%
43.2%	2,168	2,289	121	5.6%
44.4%	2,149	2,249	100	4.6%
45.7%	2,149	2,245	97	4.5%
46.9%	2,126	2,199	73	3.5%
48.1%	2,095	2,181	86	4.1%
49.4%	2,091	2,150	59	2.8%
50.6%	2,070	2,136	66	3.2%
51.9%	2,067	2,124	57	2.8%
53.1%	2,021	2,096	74	3.7%
54.3%	2,017	2,094	77	3.8%
55.6%	2,015	2,083	68	3.4%
56.8%	1,934	2,062	128	6.6%
58.0%	1,886	2,034	148	7.8%
59.3%	1,839	2,031	192	10.4%
60.5%	1,827	1,992	165	9.0%
61.7%	1,760	1,990	229	13.0%
63.0%	1,759	1,969	210	11.9%
64.2%	1,757	1,917	160	9.1%
65.4%	1,726	1,906	180	10.4%
66.7%	1,687	1,899	213	12.6%
67.9%	1,680	1,866	185	11.0%
69.1%	1,640	1,808	168	10.2%
70.4%	1,585	1,637	52	3.3%
71.6%	1,582	1,618	35	2.2%
72.8%	1,570	1,595	25	1.6%
74.1%	1,556	1,524	-32	-2.1%
75.3%	1,541	1,519	-22	-1.4%
76.5%	1,474	1,508	34	2.3%
77.8%	1,464	1,483	19	1.3%
79.0%	1,461	1,454	-8	-0.5%
80.2%	1,442	1,443	1	0.0%
81.5%	1,399	1,425	26	1.9%
82.7%	1,334	1,321	-13	-1.0%
84.0%	1,291	1,317	26	2.0%
85.2%	1,283	1,302	19	1.5%
86.4%	1,258	1,263	5	0.4%
87.7%	1,161	1,185	24	2.1%
88.9%	1,158	1,143	-15	-1.3%
90.1%	1,140	1,086	-54	-4.7%
91.4%	991	991	0	0.0%
92.6%	991	991	0	0.0%
93.8%	976	991	15	1.5%
95.1%	924	984	61	6.6%
96.3%	899	931	32	3.6%
97.5%	811	916	105	12.9%
98.8%	791	881	90	11.4%
100.0%	498	656	158	31.7%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,376	3,337	-39	-1.2%
1.2%	3,370	3,326	-45	-1.3%
2.5%	3,342	3,290	-53	-1.6%
3.7%	2,981	3,006	25	0.8%
4.9%	2,750	2,698	-52	-1.9%
6.2%	2,565	2,658	93	3.6%
7.4%	2,544	2,575	31	1.2%
8.6%	2,537	2,556	18	0.7%
9.9%	2,520	2,521	0	0.0%
11.1%	2,501	2,520	19	0.8%
12.3%	2,445	2,450	5	0.2%
13.6%	2,421	2,428	7	0.3%
14.8%	2,345	2,423	78	3.3%
16.0%	2,323	2,386	63	2.7%
17.3%	2,316	2,366	49	2.1%
18.5%	2,273	2,365	92	4.0%
19.8%	2,267	2,344	77	3.4%
21.0%	2,245	2,342	97	4.3%
22.2%	2,242	2,297	56	2.5%
23.5%	2,214	2,295	81	3.7%
24.7%	2,201	2,275	74	3.4%
25.9%	2,187	2,215	28	1.3%
27.2%	2,155	2,183	28	1.3%
28.4%	2,152	2,092	-61	-2.8%
29.6%	2,063	2,071	8	0.4%
30.9%	2,039	2,059	19	0.9%
32.1%	2,012	2,046	34	1.7%
33.3%	1,968	2,044	76	3.9%
34.6%	1,948	2,041	93	4.8%
35.8%	1,910	2,018	108	5.7%
37.0%	1,906	2,000	94	5.0%
38.3%	1,904	1,984	79	4.2%
39.5%	1,804	1,943	139	7.7%
40.7%	1,753	1,928	174	9.9%
42.0%	1,731	1,922	191	11.0%
43.2%	1,726	1,888	162	9.4%
44.4%	1,667	1,780	113	6.8%
45.7%	1,662	1,744	82	5.0%
46.9%	1,655	1,740	85	5.2%
48.1%	1,617	1,722	105	6.5%
49.4%	1,613	1,698	86	5.3%
50.6%	1,583	1,691	108	6.8%
51.9%	1,578	1,682	105	6.7%
53.1%	1,567	1,672	105	6.7%
54.3%	1,546	1,633	87	5.6%
55.6%	1,526	1,611	85	5.6%
56.8%	1,524	1,608	84	5.5%
58.0%	1,480	1,596	116	7.8%
59.3%	1,457	1,572	115	7.9%
60.5%	1,441	1,567	126	8.8%
61.7%	1,433	1,558	125	8.7%
63.0%	1,430	1,548	118	8.3%
64.2%	1,428	1,548	120	8.4%
65.4%	1,426	1,522	95	6.7%
66.7%	1,402	1,508	107	7.6%
67.9%	1,396	1,502	106	7.6%
69.1%	1,357	1,499	142	10.5%
70.4%	1,345	1,417	72	5.4%
71.6%	1,318	1,383	65	4.9%
72.8%	1,307	1,306	0	0.0%
74.1%	1,291	1,296	4	0.3%
75.3%	1,224	1,290	66	5.4%
76.5%	1,216	1,287	71	5.9%
77.8%	1,208	1,239	32	2.6%
79.0%	1,173	1,226	53	4.5%
80.2%	1,146	1,213	68	5.9%
81.5%	1,106	1,185	79	7.1%
82.7%	1,105	1,184	79	7.2%
84.0%	1,093	1,163	70	6.4%
85.2%	1,048	1,133	84	8.0%
86.4%	1,005	1,122	117	11.7%
87.7%	1,004	993	-11	-1.1%
88.9%	992	993	0	0.0%
90.1%	992	992	0	0.0%
91.4%	848	902	54	6.4%
92.6%	847	894	46	5.5%
93.8%	838	893	55	6.6%
95.1%	820	883	63	7.6%
96.3%	767	866	99	12.9%
97.5%	753	840	87	11.6%
98.8%	751	756	5	0.6%
100.0%	449	606	157	35.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,090	2,989	-100	-3.2%
1.2%	2,893	2,849	-44	-1.5%
2.5%	2,833	2,800	-32	-1.1%
3.7%	2,419	2,455	35	1.5%
4.9%	2,242	2,231	-11	-0.5%
6.2%	2,190	2,220	30	1.4%
7.4%	2,140	2,186	46	2.2%
8.6%	2,045	2,139	94	4.6%
9.9%	2,044	2,119	75	3.7%
11.1%	2,025	2,078	53	2.6%
12.3%	2,015	2,003	-12	-0.6%
13.6%	2,004	1,993	-12	-0.6%
14.8%	1,993	1,993	-1	0.0%
16.0%	1,946	1,976	30	1.5%
17.3%	1,898	1,945	47	2.5%
18.5%	1,864	1,938	74	4.0%
19.8%	1,860	1,929	69	3.7%
21.0%	1,853	1,925	73	3.9%
22.2%	1,837	1,907	70	3.8%
23.5%	1,824	1,878	54	3.0%
24.7%	1,794	1,868	74	4.1%
25.9%	1,781	1,849	69	3.8%
27.2%	1,758	1,809	51	2.9%
28.4%	1,739	1,797	58	3.3%
29.6%	1,722	1,794	72	4.2%
30.9%	1,705	1,783	78	4.6%
32.1%	1,700	1,759	59	3.5%
33.3%	1,699	1,758	59	3.4%
34.6%	1,699	1,704	5	0.3%
35.8%	1,619	1,629	10	0.6%
37.0%	1,567	1,610	43	2.7%
38.3%	1,504	1,603	99	6.6%
39.5%	1,493	1,595	102	6.9%
40.7%	1,469	1,588	119	8.1%
42.0%	1,464	1,576	112	7.6%
43.2%	1,446	1,571	124	8.6%
44.4%	1,433	1,557	124	8.7%
45.7%	1,424	1,547	122	8.6%
46.9%	1,403	1,545	142	10.1%
48.1%	1,393	1,538	145	10.4%
49.4%	1,388	1,531	143	10.3%
50.6%	1,379	1,529	150	10.9%
51.9%	1,376	1,491	116	8.4%
53.1%	1,372	1,456	84	6.1%
54.3%	1,358	1,441	83	6.1%
55.6%	1,315	1,434	119	9.1%
56.8%	1,313	1,421	108	8.2%
58.0%	1,305	1,402	98	7.5%
59.3%	1,284	1,399	115	8.9%
60.5%	1,275	1,395	120	9.4%
61.7%	1,275	1,387	113	8.9%
63.0%	1,267	1,360	93	7.3%
64.2%	1,244	1,356	112	9.0%
65.4%	1,233	1,351	118	9.6%
66.7%	1,225	1,279	54	4.4%
67.9%	1,224	1,260	36	2.9%
69.1%	1,203	1,238	35	2.9%
70.4%	1,191	1,233	41	3.5%
71.6%	1,176	1,222	46	3.9%
72.8%	1,112	1,168	57	5.1%
74.1%	1,085	1,143	58	5.4%
75.3%	1,070	1,124	53	5.0%
76.5%	1,031	1,085	55	5.3%
77.8%	1,028	1,071	43	4.2%
79.0%	1,018	1,071	52	5.1%
80.2%	1,018	1,042	25	2.4%
81.5%	1,003	1,025	21	2.1%
82.7%	1,002	1,018	17	1.7%
84.0%	995	1,013	18	1.9%
85.2%	994	995	0	0.0%
86.4%	994	994	0	0.0%
87.7%	994	987	-7	-0.8%
88.9%	994	957	-37	-3.7%
90.1%	960	953	-7	-0.8%
91.4%	810	884	74	9.1%
92.6%	803	867	65	8.0%
93.8%	797	863	67	8.4%
95.1%	773	848	75	9.7%
96.3%	757	789	32	4.3%
97.5%	757	788	31	4.1%
98.8%	753	742	-11	-1.4%
100.0%	491	648	157	31.9%

Figure SW-19-b
Lake Oroville, End of Month Elevation
Probability of Exceedance

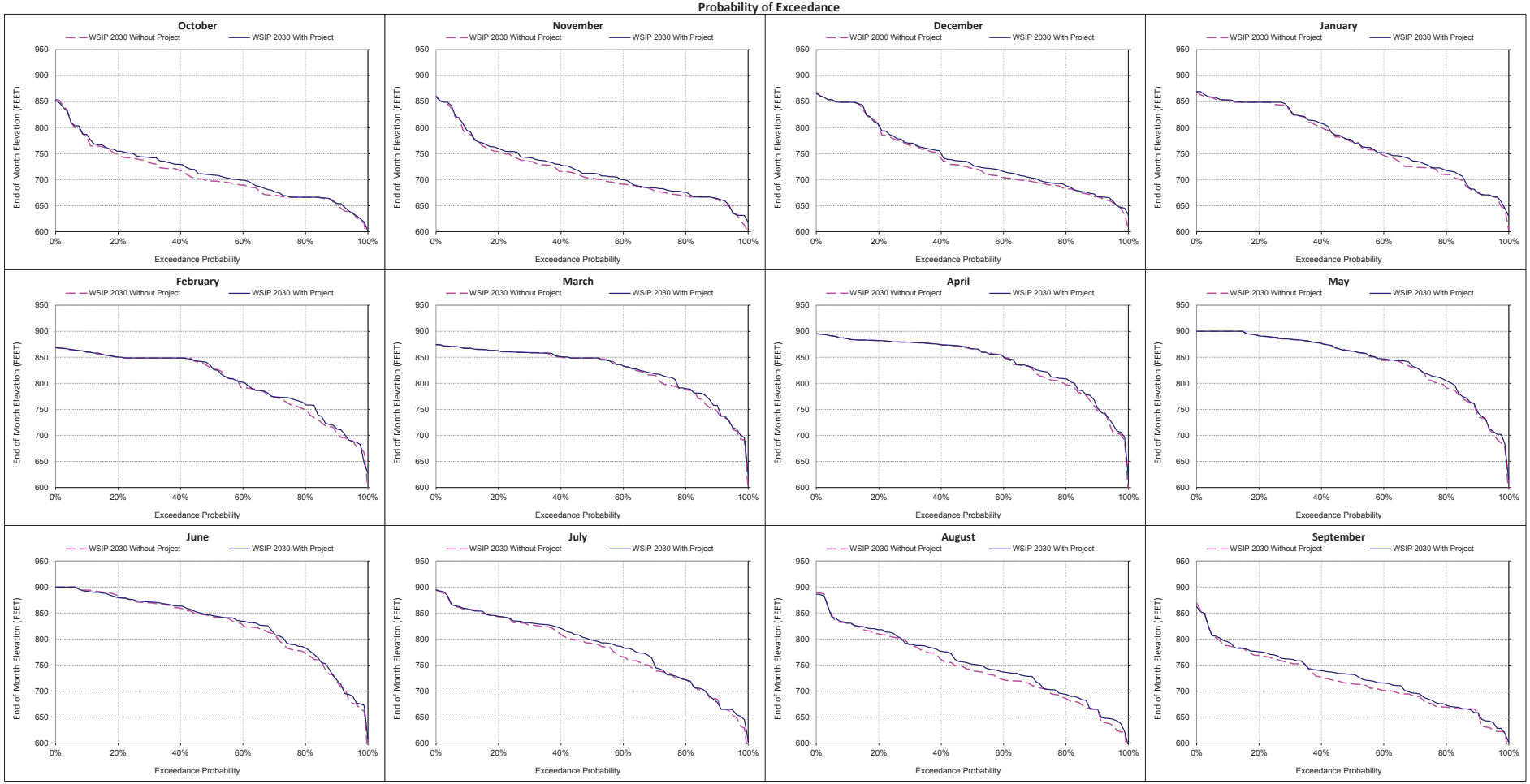


Table SW-19-b

Lake Oroville, End of Month Elevation

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	855	852	-2	-0.3%
1.2%	852	848	-5	-0.5%
2.5%	842	839	-3	-0.4%
3.7%	834	832	-2	-0.3%
4.9%	810	810	0	0.0%
6.2%	800	804	4	0.5%
7.4%	799	803	4	0.5%
8.6%	789	788	-1	-0.2%
9.9%	782	787	5	0.6%
11.1%	765	777	12	1.6%
12.3%	765	768	4	0.5%
13.6%	765	767	3	0.3%
14.8%	763	767	3	0.4%
16.0%	761	762	1	0.1%
17.3%	757	759	2	0.3%
18.5%	752	758	7	0.9%
19.8%	749	755	5	0.7%
21.0%	744	755	10	1.4%
22.2%	743	752	10	1.3%
23.5%	742	751	9	1.2%
24.7%	741	751	9	1.2%
25.9%	740	745	5	0.7%
27.2%	738	744	6	0.8%
28.4%	737	744	6	0.8%
29.6%	734	743	10	1.3%
30.9%	731	742	11	1.5%
32.1%	730	742	12	1.6%
33.3%	723	736	13	1.8%
34.6%	722	736	14	1.9%
35.8%	722	733	12	1.6%
37.0%	721	732	10	1.4%
38.3%	721	730	8	1.2%
39.5%	718	729	11	1.6%
40.7%	716	728	12	1.7%
42.0%	710	723	13	1.9%
43.2%	706	720	14	2.0%
44.4%	702	720	17	2.5%
45.7%	702	711	9	1.3%
46.9%	701	711	9	1.3%
48.1%	698	710	12	1.7%
49.4%	697	710	12	1.7%
50.6%	697	709	11	1.6%
51.9%	697	708	11	1.6%
53.1%	696	706	10	1.5%
54.3%	695	703	8	1.2%
55.6%	694	703	8	1.2%
56.8%	693	701	8	1.1%
58.0%	691	700	9	1.3%
59.3%	690	699	9	1.4%
60.5%	689	699	9	1.3%
61.7%	686	697	11	1.6%
63.0%	685	693	8	1.1%
64.2%	684	688	4	0.7%
65.4%	676	687	11	1.6%
66.7%	672	684	12	1.7%
67.9%	671	681	11	1.6%
69.1%	670	680	10	1.4%
70.4%	670	676	7	1.0%
71.6%	669	675	6	0.9%
72.8%	667	670	3	0.5%
74.1%	666	669	2	0.3%
75.3%	666	666	0	0.0%
76.5%	666	666	0	0.0%
77.8%	666	666	0	0.0%
79.0%	666	666	0	0.0%
80.2%	666	666	0	0.0%
81.5%	666	666	0	0.0%
82.7%	666	666	0	0.0%
84.0%	666	666	0	0.0%
85.2%	665	665	0	0.0%
86.4%	663	664	1	0.2%
87.7%	663	664	0	0.1%
88.9%	660	658	-2	-0.4%
90.1%	652	654	2	0.3%
91.4%	645	654	9	1.4%
92.6%	640	647	7	1.1%
93.8%	638	640	2	0.3%
95.1%	637	635	-2	-0.3%
96.3%	628	631	3	0.5%
97.5%	621	625	3	0.5%
98.8%	616	619	2	0.4%
100.0%	566	601	35	6.1%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	860	860	0	0.0%
1.2%	852	852	0	0.0%
2.5%	849	849	0	0.0%
3.7%	845	849	4	0.4%
4.9%	838	842	4	0.5%
6.2%	820	823	2	0.3%
7.4%	819	817	-2	-0.3%
8.6%	795	808	13	1.6%
9.9%	787	795	8	1.0%
11.1%	786	791	5	0.6%
12.3%	778	776	-2	-0.3%
13.6%	773	773	0	0.0%
14.8%	765	771	5	0.7%
16.0%	761	767	6	0.8%
17.3%	758	764	6	0.8%
18.5%	755	763	8	1.1%
19.8%	754	761	6	0.8%
21.0%	753	757	4	0.5%
22.2%	749	754	5	0.7%
23.5%	749	754	4	0.6%
24.7%	743	754	11	1.4%
25.9%	741	753	12	1.6%
27.2%	737	744	6	0.9%
28.4%	737	743	6	0.8%
29.6%	735	743	8	1.0%
30.9%	734	742	7	1.0%
32.1%	731	738	7	1.0%
33.3%	729	737	8	1.0%
34.6%	728	736	8	1.1%
35.8%	728	734	6	0.9%
37.0%	727	733	6	0.8%
38.3%	723	730	8	1.1%
39.5%	716	730	14	1.9%
40.7%	716	727	11	1.5%
42.0%	715	726	11	1.6%
43.2%	714	724	10	1.4%
44.4%	712	720	8	1.2%
45.7%	709	717	8	1.1%
46.9%	706	712	6	0.9%
48.1%	704	712	9	1.2%
49.4%	703	712	9	1.3%
50.6%	702	712	10	1.4%
51.9%	701	711	10	1.5%
53.1%	700	707	7	1.0%
54.3%	697	707	10	1.4%
55.6%	696	706	10	1.4%
56.8%	695	705	11	1.5%
58.0%	692	705	13	1.9%
59.3%	692	700	9	1.3%
60.5%	691	700	8	1.2%
61.7%	690	697	7	1.0%
63.0%	689	691	2	0.3%
64.2%	688	688	0	0.0%
65.4%	685	687	2	0.3%
66.7%	684	685	1	0.1%
67.9%	684	685	1	0.1%
69.1%	681	684	3	0.5%
70.4%	678	684	6	0.9%
71.6%	677	683	6	0.9%
72.8%	676	683	7	1.1%
74.1%	674	680	6	0.8%
75.3%	672	678	6	0.9%
76.5%	672	678	6	0.9%
77.8%	670	677	7	1.1%
79.0%	670	676	6	1.0%
80.2%	669	676	7	1.0%
81.5%	667	671	4	0.6%
82.7%	667	667	0	0.0%
84.0%	667	667	0	0.0%
85.2%	667	667	0	0.0%
86.4%	667	667	0	0.0%
87.7%	667	667	0	0.0%
88.9%	665	665	1	0.1%
90.1%	662	663	2	0.3%
91.4%	658	661	3	0.4%
92.6%	651	659	8	1.2%
93.8%	650	651	1	0.1%
95.1%	635	636	2	0.3%
96.3%	634	632	-2	-0.3%
97.5%	620	631	11	1.8%
98.8%	613	631	18	3.0%
100.0%	599	617	19	3.1%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	866	-3	-0.3%
1.2%	861	861	0	0.0%
2.5%	858	858	0	0.0%
3.7%	854	854	0	0.0%
4.9%	854	854	0	0.0%
6.2%	850	850	0	0.0%
7.4%	849	849	0	0.0%
8.6%	849	849	0	0.0%
9.9%	849	849	0	0.0%
11.1%	849	849	0	0.0%
12.3%	848	848	0	0.0%
13.6%	845	846	1	0.1%
14.8%	836	843	7	0.8%
16.0%	824	824	0	0.0%
17.3%	817	821	4	0.4%
18.5%	815	812	-4	-0.4%
19.8%	808	808	0	0.0%
21.0%	786	794	8	1.0%
22.2%	785	793	9	1.1%
23.5%	783	786	4	0.5%
24.7%	779	784	5	0.7%
25.9%	776	779	3	0.4%
27.2%	775	778	3	0.4%
28.4%	769	771	2	0.3%
29.6%	767	770	3	0.4%
30.9%	765	770	5	0.6%
32.1%	765	766	1	0.2%
33.3%	760	763	3	0.4%
34.6%	757	761	4	0.5%
35.8%	756	760	3	0.5%
37.0%	754	758	4	0.6%
38.3%	752	757	4	0.5%
39.5%	744	755	11	1.5%
40.7%	736	742	6	0.8%
42.0%	734	739	5	0.7%
43.2%	729	739	10	1.3%
44.4%	729	737	8	1.1%
45.7%	728	736	8	1.0%
46.9%	726	736	10	1.3%
48.1%	725	735	10	1.4%
49.4%	722	731	9	1.2%
50.6%	722	726	4	0.6%
51.9%	720	725	5	0.7%
53.1%	716	723	7	1.0%
54.3%	710	722	13	1.8%
55.6%	709	721	12	1.7%
56.8%	708	720	12	1.7%
58.0%	708	720	12	1.7%
59.3%	705	717	13	1.8%
60.5%	703	715	11	1.6%
61.7%	703	713	10	1.4%
63.0%	702	712	10	1.5%
64.2%	700	710	10	1.4%
65.4%	699	708	9	1.2%
66.7%	699	707	8	1.1%
67.9%	698	705	7	1.0%
69.1%	696	703	7	0.9%
70.4%	695	702	8	1.1%
71.6%	694	698	4	0.6%
72.8%	693	696	3	0.5%
74.1%	690	694	4	0.6%
75.3%	690	694	4	0.6%
76.5%	689	693	4	0.6%
77.8%	688	693	5	0.7%
79.0%	684	692	8	1.1%
80.2%	682	688	5	0.8%
81.5%	682	685	3	0.4%
82.7%	680	680	0	0.0%
84.0%	678	678	1	0.1%
85.2%	674	677	3	0.4%
86.4%	673	676	3	0.5%
87.7%	671	674	3	0.4%
88.9%	668	673	5	0.8%
90.1%	667	667	0	0.0%
91.4%	665	667	2	0.3%
92.6%	660	666	6	0.9%
93.8%	660	665	5	0.8%
95.1%	656	658	3	0.4%
96.3%	651	650	-1	-0.1%
97.5%	645	647	1	0.2%
98.8%	633	645	12	2.0%
100.0%	605	632	27	4.5%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	870	0	0.0%
1.2%	864	869	6	0.7%
2.5%	859	864	4	0.5%
3.7%	859	859	0	0.0%
4.9%	858	859	1	0.1%
6.2%	854	858	4	0.4%
7.4%	853	854	1	0.1%
8.6%	853	853	0	0.0%
9.9%	853	853	1	0.1%
11.1%	850	853	3	0.3%
12.3%	849	850	2	0.2%
13.6%	849	850	1	0.2%
14.8%	849	849	0	0.0%
16.0%	849	849	0	0.0%
17.3%	849	849	0	0.0%
18.5%	849	849	0	0.0%
19.8%	849	849	0	0.0%
21.0%	849	849	0	0.0%
22.2%	849	849	0	0.0%
23.5%	849	849	0	0.0%
24.7%	845	849	4	0.5%
25.9%	844	849	5	0.6%
27.2%	843	849	5	0.6%
28.4%	843	846	3	0.3%
29.6%	835	838	2	0.3%
30.9%	828	824	-3	-0.4%
32.1%	824	824	0	0.0%
33.3%	822	822	0	0.0%
34.6%	820	822	1	0.2%
35.8%	811	815	3	0.4%
37.0%	809	814	5	0.7%
38.3%	805	813	8	1.0%
39.5%	802	809	7	0.9%
40.7%	798	807	10	1.2%
42.0%	795	803	8	1.0%
43.2%	794	791	-3	-0.4%
44.4%	782	786	4	0.5%
45.7%	782	786	4	0.5%
46.9%	781	781	0	0.0%
48.1%	777	778	1	0.1%
49.4%	773	778	5	0.6%
50.6%	772	770	-2	-0.3%
51.9%	771	769	-2	-0.3%
53.1%	760	763	3	0.4%
54.3%	758	762	4	0.5%
55.6%	757	762	5	0.6%
56.8%	757	758	1	0.1%
58.0%	752	752	0	0.0%
59.3%	749	752	4	0.5%
60.5%	745	752	7	0.9%
61.7%	743	749	6	0.8%
63.0%	742	746	4	0.6%
64.2%	737	746	9	1.2%
65.4%	733	745	12	1.6%
66.7%	725	743	17	2.4%
67.9%	725	741	16	2.2%
69.1%	725	736	11	1.5%
70.4%	724	736	12	1.7%
71.6%	724	734	10	1.4%
72.8%	723	731	7	1.0%
74.1%	723	728	5	0.7%
75.3%	723	723	1	0.1%
76.5%	721	723	2	0.3%
77.8%	711	723	12	1.7%
79.0%	710	720	10	1.4%
80.2%	710	717	7	1.0%
81.5%	709	716	7	1.0%
82.7%	703	715	11	1.6%
84.0%	701	710	9	1.3%
85.2%	698	707	9	1.2%
86.4%	686	692	6	0.9%
87.7%	682	682	0	0.0%
88.9%	677	682	5	0.8%
90.1%	677	674	-3	-0.4%
91.4%	672	671	0	-0.1%
92.6%	671	671	0	0.0%
93.8%	670	671	1	0.1%
95.1%	667	667	0	0.0%
96.3%	665	667	2	0.3%
97.5%	649	658	9	1.4%
98.8%	644	645	1	0.2%
100.0%	603	630	27	4.5%

Table SW-19-b

Lake Oroville, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	869	0	0.0%
1.2%	868	868	0	0.0%
2.5%	867	867	0	0.0%
3.7%	865	866	1	0.1%
4.9%	864	865	1	0.1%
6.2%	864	864	0	0.0%
7.4%	863	863	0	0.0%
8.6%	862	862	0	0.0%
9.9%	860	860	0	0.0%
11.1%	860	860	0	0.0%
12.3%	858	858	0	0.0%
13.6%	856	858	2	0.3%
14.8%	856	856	0	0.0%
16.0%	853	853	0	0.0%
17.3%	853	853	0	0.0%
18.5%	852	852	0	0.0%
19.8%	850	850	0	0.0%
21.0%	850	850	0	0.0%
22.2%	849	849	0	0.0%
23.5%	849	849	0	0.0%
24.7%	849	849	0	0.0%
25.9%	849	849	0	0.0%
27.2%	849	849	0	0.0%
28.4%	849	849	0	0.0%
29.6%	849	849	0	0.0%
30.9%	849	849	0	0.0%
32.1%	849	849	0	0.0%
33.3%	849	849	0	0.0%
34.6%	849	849	0	0.0%
35.8%	849	849	0	0.0%
37.0%	849	849	0	0.0%
38.3%	849	849	0	0.0%
39.5%	849	849	0	0.0%
40.7%	849	849	0	0.0%
42.0%	849	848	-1	-0.1%
43.2%	849	847	-2	-0.2%
44.4%	843	844	1	0.1%
45.7%	841	843	1	0.2%
46.9%	840	842	2	0.2%
48.1%	835	840	5	0.6%
49.4%	831	836	5	0.6%
50.6%	827	826	-1	-0.2%
51.9%	826	825	-1	-0.2%
53.1%	823	817	-6	-0.7%
54.3%	813	813	-1	-0.1%
55.6%	809	809	0	0.0%
56.8%	809	809	0	0.0%
58.0%	809	805	-4	-0.5%
59.3%	792	803	10	1.3%
60.5%	792	801	9	1.2%
61.7%	791	795	4	0.5%
63.0%	789	790	0	0.0%
64.2%	789	786	-3	-0.3%
65.4%	786	786	0	0.1%
66.7%	784	785	1	0.1%
67.9%	776	781	5	0.6%
69.1%	775	775	0	0.0%
70.4%	773	774	1	0.1%
71.6%	771	773	2	0.3%
72.8%	768	773	5	0.7%
74.1%	763	773	10	1.3%
75.3%	759	771	12	1.6%
76.5%	757	768	11	1.5%
77.8%	755	766	12	1.6%
79.0%	752	764	12	1.6%
80.2%	748	758	10	1.4%
81.5%	739	758	19	2.5%
82.7%	734	758	24	3.2%
84.0%	731	739	8	1.1%
85.2%	724	736	12	1.7%
86.4%	718	723	5	0.7%
87.7%	716	721	5	0.6%
88.9%	716	720	4	0.5%
90.1%	703	712	9	1.2%
91.4%	696	711	15	2.1%
92.6%	696	702	6	0.9%
93.8%	691	691	0	0.0%
95.1%	690	688	-2	-0.3%
96.3%	678	687	9	1.3%
97.5%	678	683	5	0.7%
98.8%	667	646	-21	-3.1%
100.0%	598	628	30	5.0%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	874	874	0	0.0%
1.2%	874	874	0	0.0%
2.5%	872	872	0	0.0%
3.7%	871	871	0	0.0%
4.9%	870	870	0	0.0%
6.2%	870	870	0	0.0%
7.4%	870	870	0	0.0%
8.6%	868	868	0	0.0%
9.9%	867	867	0	0.0%
11.1%	867	867	0	0.0%
12.3%	866	866	0	0.0%
13.6%	865	865	0	0.0%
14.8%	865	865	0	0.0%
16.0%	864	864	0	0.0%
17.3%	863	863	0	0.0%
18.5%	863	863	0	0.0%
19.8%	862	862	0	0.0%
21.0%	861	861	0	0.0%
22.2%	861	861	0	0.0%
23.5%	861	861	0	0.0%
24.7%	860	860	0	0.0%
25.9%	860	860	0	0.0%
27.2%	859	859	0	0.0%
28.4%	859	859	0	0.0%
29.6%	859	859	0	0.0%
30.9%	859	859	0	0.0%
32.1%	859	859	0	0.0%
33.3%	858	858	0	0.0%
34.6%	858	858	0	0.0%
35.8%	858	858	0	0.0%
37.0%	853	858	5	0.6%
38.3%	851	853	2	0.2%
39.5%	851	852	1	0.1%
40.7%	850	851	1	0.1%
42.0%	849	851	2	0.2%
43.2%	849	849	0	0.0%
44.4%	849	849	0	0.0%
45.7%	849	849	0	0.0%
46.9%	849	849	0	0.0%
48.1%	849	849	0	0.0%
49.4%	849	849	0	0.0%
50.6%	849	849	0	0.0%
51.9%	849	849	0	0.0%
53.1%	847	845	-2	-0.2%
54.3%	846	845	-2	-0.2%
55.6%	843	843	0	0.1%
56.8%	842	838	-4	-0.4%
58.0%	836	836	0	0.1%
59.3%	835	836	1	0.1%
60.5%	832	832	0	0.0%
61.7%	831	831	0	0.0%
63.0%	828	828	0	0.0%
64.2%	825	828	3	0.4%
65.4%	823	825	2	0.3%
66.7%	821	823	3	0.3%
67.9%	816	821	5	0.6%
69.1%	816	820	4	0.5%
70.4%	815	818	3	0.4%
71.6%	804	817	13	1.7%
72.8%	799	814	15	1.9%
74.1%	796	812	16	2.0%
75.3%	796	811	15	1.9%
76.5%	794	808	14	1.7%
77.8%	791	791	0	0.0%
79.0%	791	791	0	0.0%
80.2%	787	790	3	0.4%
81.5%	787	789	2	0.2%
82.7%	785	781	-4	-0.5%
84.0%	771	781	10	1.3%
85.2%	769	781	12	1.5%
86.4%	759	776	17	2.2%
87.7%	753	769	15	2.0%
88.9%	753	758	5	0.6%
90.1%	745	757	12	1.7%
91.4%	735	737	2	0.3%
92.6%	734	736	3	0.4%
93.8%	728	728	0	0.0%
95.1%	711	715	3	0.5%
96.3%	708	712	4	0.5%
97.5%	693	701	8	1.1%
98.8%	691	695	4	0.6%
100.0%	594	624	30	5.1%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	895	895	0	0.0%
1.2%	894	894	0	0.0%
2.5%	894	894	0	0.0%
3.7%	893	893	0	0.0%
4.9%	891	891	0	0.0%
6.2%	890	890	0	0.0%
7.4%	887	887	0	0.0%
8.6%	887	887	0	0.0%
9.9%	886	886	0	0.0%
11.1%	884	884	0	0.0%
12.3%	884	884	0	0.0%
13.6%	883	883	0	0.0%
14.8%	883	883	0	0.0%
16.0%	883	883	0	0.0%
17.3%	883	883	0	0.0%
18.5%	882	882	0	0.0%
19.8%	882	882	0	0.0%
21.0%	882	882	0	0.0%
22.2%	881	881	0	0.0%
23.5%	881	880	0	0.0%
24.7%	880	880	0	0.0%
25.9%	879	879	0	0.0%
27.2%	879	879	0	0.0%
28.4%	879	879	0	0.0%
29.6%	879	879	0	0.0%
30.9%	879	879	0	0.0%
32.1%	878	878	0	0.0%
33.3%	877	877	0	0.0%
34.6%	877	877	0	0.0%
35.8%	877	877	0	0.0%
37.0%	876	876	0	0.0%
38.3%	876	876	0	0.0%
39.5%	875	874	0	0.0%
40.7%	873	873	0	0.0%
42.0%	873	873	0	0.0%
43.2%	873	873	1	0.1%
44.4%	872	873	1	0.1%
45.7%	871	872	1	0.2%
46.9%	870	871	0	0.0%
48.1%	868	870	2	0.3%
49.4%	867	867	0	0.0%
50.6%	866	866	0	0.1%
51.9%	865	866	1	0.1%
53.1%	860	860	0	0.0%
54.3%	859	860	0	0.1%
55.6%	859	856	-3	-0.3%
56.8%	856	856	-1	-0.1%
58.0%	856	855	0	-0.1%
59.3%	852	855	3	0.3%
60.5%	850	848	-2	-0.3%
61.7%	848	847	-2	-0.2%
63.0%	836	845	9	1.1%
64.2%	836	836	0	0.1%
65.4%	835	835	0	0.0%
66.7%	835	835	0	0.1%
67.9%	833	832	-1	-0.1%
69.1%	828	831	3	0.4%
70.4%	819	826	8	0.9%
71.6%	814	824	10	1.2%
72.8%	812	823	10	1.3%
74.1%	809	821	13	1.6%
75.3%	806	812	6	0.8%
76.5%	806	812	6	0.7%
77.8%	804	810	5	0.7%
79.0%	801	809	8	1.0%
80.2%	797	808	11	1.4%
81.5%	796	803	7	0.9%
82.7%	792	800	8	1.0%
84.0%	782	787	5	0.6%
85.2%	781	786	5	0.6%
86.4%	777	778	2	0.2%
87.7%	767	777	10	1.3%
88.9%	758	769	11	1.4%
90.1%	747	752	5	0.7%
91.4%	746	744	-3	-0.3%
92.6%	742	741	-2	-0.2%
93.8%	723	732	8	1.1%
95.1%	705	720	16	2.3%
96.3%	704	709	4	0.6%
97.5%	702	706	4	0.6%
98.8%	690	697	7	1.0%
100.0%	588	617	30	5.1%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	900	0	0.0%
4.9%	900	900	0	0.0%
6.2%	900	900	0	0.0%
7.4%	900	900	0	0.0%
8.6%	900	900	0	0.0%
9.9%	900	900	0	0.0%
11.1%	900	900	0	0.0%
12.3%	900	900	0	0.0%
13.6%	900	900	0	0.0%
14.8%	900	900	0	0.0%
16.0%	895	895	0	0.0%
17.3%	895	895	0	0.0%
18.5%	894	894	0	0.0%
19.8%	892	892	0	0.0%
21.0%	890	890	0	0.0%
22.2%	890	890	0	0.0%
23.5%	889	889	1	0.1%
24.7%	888	889	1	0.1%
25.9%	886	888	2	0.3%
27.2%	886	886	0	0.0%
28.4%	885	886	0	0.0%
29.6%	884	885	1	0.1%
30.9%	884	884	0	0.0%
32.1%	884	884	0	0.0%
33.3%	883	883	0	0.0%
34.6%	882	882	0	0.0%
35.8%	881	881	0	0.0%
37.0%	879	879	0	0.0%
38.3%	878	878	0	0.0%
39.5%	877	877	0	0.0%
40.7%	875	875	0	0.0%
42.0%	874	874	0	0.0%
43.2%	873	873	0	0.0%
44.4%	868	868	0	0.0%
45.7%	866	866	0	0.0%
46.9%	865	864	-2	-0.2%
48.1%	863	863	0	0.0%
49.4%	862	862	0	0.1%
50.6%	861	861	0	0.0%
51.9%	859	859	0	0.0%
53.1%	858	859	1	0.2%
54.3%	857	857	0	0.0%
55.6%	851	853	2	0.2%
56.8%	851	852	1	0.1%
58.0%	849	848	-1	-0.1%
59.3%	844	847	3	0.3%
60.5%	844	847	3	0.3%
61.7%	844	845	1	0.1%
63.0%	844	844	1	0.1%
64.2%	843	844	1	0.1%
65.4%	840	843	3	0.4%
66.7%	836	843	7	0.8%
67.9%	834	841	8	0.9%
69.1%	830	833	3	0.4%
70.4%	829	830	1	0.1%
71.6%	826	826	0	0.0%
72.8%	820	820	-1	-0.1%
74.1%	807	818	11	1.4%
75.3%	805	814	9	1.1%
76.5%	801	813	12	1.4%
77.8%	800	811	11	1.4%
79.0%	798	808	11	1.3%
80.2%	791	804	13	1.7%
81.5%	789	801	12	1.5%
82.7%	786	796	10	1.2%
84.0%	777	781	4	0.5%
85.2%	771	775	4	0.5%
86.4%	766	772	6	0.7%
87.7%	762	764	2	0.3%
88.9%	759	761	2	0.2%
90.1%	736	743	8	1.1%
91.4%	733	737	4	0.5%
92.6%	731	731	0	0.0%
93.8%	710	712	2	0.3%
95.1%	703	707	4	0.6%
96.3%	692	702	10	1.4%
97.5%	686	702	16	2.4%
98.8%	676	685	8	1.2%
100.0%	585	615	30	5.1%

Table SW-19-b

Lake Oroville, End of Month Elevation

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	900	0	0.0%
4.9%	900	900	0	0.0%
6.2%	900	900	0	0.0%
7.4%	896	896	0	0.0%
8.6%	894	893	-1	-0.2%
9.9%	894	892	-2	-0.2%
11.1%	894	891	-3	-0.3%
12.3%	892	890	-2	-0.2%
13.6%	892	890	-2	-0.2%
14.8%	890	889	-2	-0.2%
16.0%	889	888	-1	-0.1%
17.3%	889	885	-4	-0.5%
18.5%	887	883	-4	-0.5%
19.8%	884	880	-4	-0.5%
21.0%	879	879	0	0.0%
22.2%	878	879	0	0.0%
23.5%	876	876	0	0.0%
24.7%	875	876	1	0.1%
25.9%	871	873	2	0.2%
27.2%	871	873	2	0.3%
28.4%	870	872	1	0.1%
29.6%	870	871	2	0.2%
30.9%	869	871	1	0.2%
32.1%	868	870	3	0.3%
33.3%	867	869	2	0.3%
34.6%	867	868	1	0.1%
35.8%	865	867	2	0.2%
37.0%	865	865	1	0.1%
38.3%	860	863	3	0.4%
39.5%	860	863	3	0.4%
40.7%	858	863	5	0.6%
42.0%	854	859	4	0.5%
43.2%	854	857	3	0.3%
44.4%	849	854	5	0.6%
45.7%	849	851	2	0.2%
46.9%	847	849	2	0.2%
48.1%	846	847	1	0.1%
49.4%	844	847	3	0.3%
50.6%	842	845	2	0.3%
51.9%	842	844	1	0.2%
53.1%	842	842	0	0.0%
54.3%	841	841	0	0.0%
55.6%	839	841	2	0.2%
56.8%	834	840	7	0.8%
58.0%	831	836	4	0.5%
59.3%	830	835	5	0.6%
60.5%	824	834	10	1.2%
61.7%	823	832	9	1.1%
63.0%	822	831	9	1.1%
64.2%	822	830	8	1.0%
65.4%	820	826	7	0.8%
66.7%	818	826	8	1.0%
67.9%	813	826	12	1.5%
69.1%	811	816	5	0.6%
70.4%	807	808	1	0.1%
71.6%	797	806	9	1.2%
72.8%	791	802	11	1.4%
74.1%	782	792	9	1.2%
75.3%	780	790	9	1.2%
76.5%	778	789	11	1.4%
77.8%	778	786	8	1.1%
79.0%	776	786	9	1.2%
80.2%	772	782	10	1.4%
81.5%	767	777	9	1.2%
82.7%	761	771	10	1.3%
84.0%	760	764	4	0.6%
85.2%	757	754	-3	-0.4%
86.4%	740	752	13	1.7%
87.7%	732	742	10	1.3%
88.9%	731	729	-2	-0.2%
90.1%	717	721	3	0.5%
91.4%	707	712	5	0.7%
92.6%	707	695	-12	-1.7%
93.8%	683	694	11	1.6%
95.1%	676	690	14	2.1%
96.3%	675	677	3	0.4%
97.5%	665	675	10	1.5%
98.8%	662	672	10	1.5%
100.0%	578	608	30	5.2%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	894	894	0	0.0%
1.2%	891	892	2	0.2%
2.5%	888	891	3	0.4%
3.7%	880	883	3	0.4%
4.9%	867	866	-2	-0.2%
6.2%	862	864	2	0.2%
7.4%	861	862	2	0.2%
8.6%	858	859	2	0.2%
9.9%	857	859	1	0.2%
11.1%	857	856	-1	-0.1%
12.3%	856	854	-2	-0.2%
13.6%	855	854	-1	-0.1%
14.8%	849	853	4	0.5%
16.0%	848	847	-1	-0.1%
17.3%	846	846	-1	-0.1%
18.5%	846	845	0	0.0%
19.8%	843	844	1	0.2%
21.0%	842	843	1	0.1%
22.2%	840	842	2	0.2%
23.5%	839	841	1	0.1%
24.7%	832	835	3	0.4%
25.9%	831	834	3	0.3%
27.2%	831	834	3	0.4%
28.4%	831	831	1	0.1%
29.6%	827	831	4	0.5%
30.9%	827	830	3	0.4%
32.1%	826	830	4	0.5%
33.3%	824	828	4	0.5%
34.6%	824	828	4	0.5%
35.8%	824	828	4	0.5%
37.0%	821	826	5	0.6%
38.3%	817	824	7	0.9%
39.5%	811	821	11	1.3%
40.7%	806	818	13	1.6%
42.0%	802	814	12	1.5%
43.2%	800	812	12	1.6%
44.4%	798	808	10	1.3%
45.7%	798	808	10	1.2%
46.9%	796	803	8	0.9%
48.1%	793	801	9	1.1%
49.4%	792	798	6	0.8%
50.6%	790	797	7	0.9%
51.9%	790	796	6	0.7%
53.1%	785	793	8	1.0%
54.3%	785	793	8	1.0%
55.6%	784	791	7	0.9%
56.8%	776	789	13	1.7%
58.0%	771	786	15	2.0%
59.3%	766	786	20	2.6%
60.5%	765	782	17	2.2%
61.7%	758	782	24	3.1%
63.0%	758	780	22	2.8%
64.2%	758	774	16	2.2%
65.4%	755	773	18	2.4%
66.7%	751	772	22	2.9%
67.9%	750	769	19	2.5%
69.1%	745	763	18	2.4%
70.4%	738	745	6	0.9%
71.6%	738	742	4	0.6%
72.8%	737	740	3	0.4%
74.1%	735	731	-4	-0.5%
75.3%	733	730	-3	-0.4%
76.5%	725	729	4	0.6%
77.8%	724	726	2	0.3%
79.0%	723	722	-1	-0.1%
80.2%	721	721	0	0.0%
81.5%	716	719	3	0.4%
82.7%	708	706	-2	-0.2%
84.0%	703	706	3	0.4%
85.2%	702	704	2	0.3%
86.4%	698	699	1	0.1%
87.7%	687	690	3	0.4%
88.9%	686	684	-2	-0.3%
90.1%	684	678	-7	-1.0%
91.4%	665	665	0	0.0%
92.6%	665	665	0	0.0%
93.8%	662	665	3	0.4%
95.1%	653	664	11	1.7%
96.3%	648	654	6	0.9%
97.5%	632	651	19	3.0%
98.8%	629	645	17	2.6%
100.0%	573	603	30	5.2%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	889	886	-3	-0.3%
1.2%	889	885	-3	-0.3%
2.5%	887	883	-4	-0.4%
3.7%	862	864	2	0.2%
4.9%	846	843	-4	-0.4%
6.2%	834	840	6	0.8%
7.4%	832	834	2	0.3%
8.6%	832	833	1	0.2%
9.9%	830	831	0	0.0%
11.1%	829	830	1	0.2%
12.3%	825	826	0	0.0%
13.6%	824	824	1	0.1%
14.8%	818	824	6	0.7%
16.0%	816	821	5	0.6%
17.3%	815	820	5	0.6%
18.5%	811	820	9	1.1%
19.8%	810	818	8	1.0%
21.0%	808	818	10	1.2%
22.2%	808	813	6	0.7%
23.5%	805	813	8	1.0%
24.7%	803	811	8	0.9%
25.9%	802	805	3	0.4%
27.2%	799	802	3	0.4%
28.4%	799	792	-6	-0.8%
29.6%	789	790	1	0.1%
30.9%	787	789	2	0.3%
32.1%	784	788	4	0.4%
33.3%	780	787	8	1.0%
34.6%	778	787	10	1.2%
35.8%	774	785	11	1.4%
37.0%	773	783	10	1.3%
38.3%	773	781	8	1.1%
39.5%	763	777	14	1.9%
40.7%	758	775	18	2.4%
42.0%	755	775	20	2.6%
43.2%	755	771	17	2.2%
44.4%	748	760	12	1.6%
45.7%	748	757	9	1.2%
46.9%	747	756	9	1.2%
48.1%	742	754	12	1.6%
49.4%	742	752	10	1.4%
50.6%	738	751	13	1.8%
51.9%	737	750	13	1.7%
53.1%	736	749	13	1.7%
54.3%	734	744	11	1.5%
55.6%	731	742	10	1.4%
56.8%	731	741	10	1.4%
58.0%	726	740	14	1.9%
59.3%	723	737	14	1.9%
60.5%	721	736	15	2.1%
61.7%	720	735	15	2.1%
63.0%	719	734	14	2.0%
64.2%	719	734	15	2.0%
65.4%	719	731	12	1.6%
66.7%	716	729	13	1.8%
67.9%	715	728	13	1.8%
69.1%	711	728	17	2.4%
70.4%	709	718	9	1.2%
71.6%	706	714	8	1.1%
72.8%	704	704	0	0.0%
74.1%	703	703	1	0.1%
75.3%	694	702	8	1.2%
76.5%	693	702	9	1.3%
77.8%	692	696	4	0.6%
79.0%	688	695	6	0.9%
80.2%	685	693	8	1.2%
81.5%	680	690	10	1.4%
82.7%	680	689	10	1.4%
84.0%	678	687	9	1.3%
85.2%	673	683	10	1.5%
86.4%	667	682	14	2.2%
87.7%	667	665	-2	-0.3%
88.9%	665	665	0	0.0%
90.1%	665	665	0	0.0%
91.4%	639	649	10	1.5%
92.6%	639	647	8	1.3%
93.8%	637	647	10	1.6%
95.1%	634	646	11	1.8%
96.3%	624	643	18	3.0%
97.5%	621	638	16	2.6%
98.8%	621	622	1	0.1%
100.0%	559	594	35	6.2%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	869	862	-7	-0.8%
1.2%	856	853	-3	-0.3%
2.5%	852	850	-2	-0.3%
3.7%	824	826	2	0.3%
4.9%	808	807	-1	-0.1%
6.2%	802	805	3	0.4%
7.4%	797	802	5	0.6%
8.6%	787	797	10	1.2%
9.9%	787	795	8	1.0%
11.1%	785	791	5	0.7%
12.3%	784	783	-1	-0.2%
13.6%	783	782	-1	-0.2%
14.8%	782	782	0	0.0%
16.0%	777	780	3	0.4%
17.3%	772	777	5	0.6%
18.5%	769	777	8	1.0%
19.8%	769	776	7	0.9%
21.0%	768	775	7	1.0%
22.2%	766	773	7	0.9%
23.5%	765	770	6	0.7%
24.7%	762	769	8	1.0%
25.9%	760	767	7	0.9%
27.2%	758	763	5	0.7%
28.4%	756	762	6	0.8%
29.6%	754	762	7	1.0%
30.9%	753	761	8	1.1%
32.1%	752	758	6	0.8%
33.3%	752	758	6	0.8%
34.6%	752	752	1	0.1%
35.8%	743	744	1	0.2%
37.0%	736	741	5	0.7%
38.3%	728	741	12	1.7%
39.5%	727	740	12	1.7%
40.7%	724	739	15	2.0%
42.0%	724	737	14	1.9%
43.2%	721	737	15	2.1%
44.4%	720	735	15	2.1%
45.7%	719	734	15	2.1%
46.9%	716	734	17	2.4%
48.1%	715	733	18	2.5%
49.4%	714	732	17	2.4%
50.6%	713	732	18	2.6%
51.9%	713	727	14	2.0%
53.1%	712	723	10	1.4%
54.3%	711	721	10	1.4%
55.6%	705	720	15	2.1%
56.8%	705	718	13	1.9%
58.0%	704	716	12	1.7%
59.3%	702	716	14	2.0%
60.5%	701	715	15	2.1%
61.7%	701	714	14	2.0%
63.0%	700	711	11	1.6%
64.2%	697	710	14	2.0%
65.4%	695	710	14	2.1%
66.7%	694	701	7	1.0%
67.9%	694	699	4	0.6%
69.1%	692	696	4	0.6%
70.4%	690	695	5	0.7%
71.6%	688	694	6	0.8%
72.8%	681	688	7	1.0%
74.1%	677	685	7	1.0%
75.3%	676	682	6	1.0%
76.5%	671	677	7	1.0%
77.8%	670	676	5	0.8%
79.0%	669	676	6	1.0%
80.2%	669	672	3	0.4%
81.5%	667	670	3	0.4%
82.7%	667	669	2	0.4%
84.0%	666	669	3	0.5%
85.2%	666	666	0	0.0%
86.4%	666	666	0	0.0%
87.7%	665	664	-1	-0.2%
88.9%	665	659	-7	-1.0%
90.1%	659	658	-1	-0.2%
91.4%	632	646	14	2.1%
92.6%	631	643	12	1.9%
93.8%	630	642	12	2.0%
95.1%	625	639	14	2.2%
96.3%	622	628	6	1.0%
97.5%	622	628	6	0.9%
98.8%	621	619	-2	-0.3%
100.0%	572	602	30	5.2%

Figure SW-20-b
Lake Oroville, End of Month Area
Probability of Exceedance

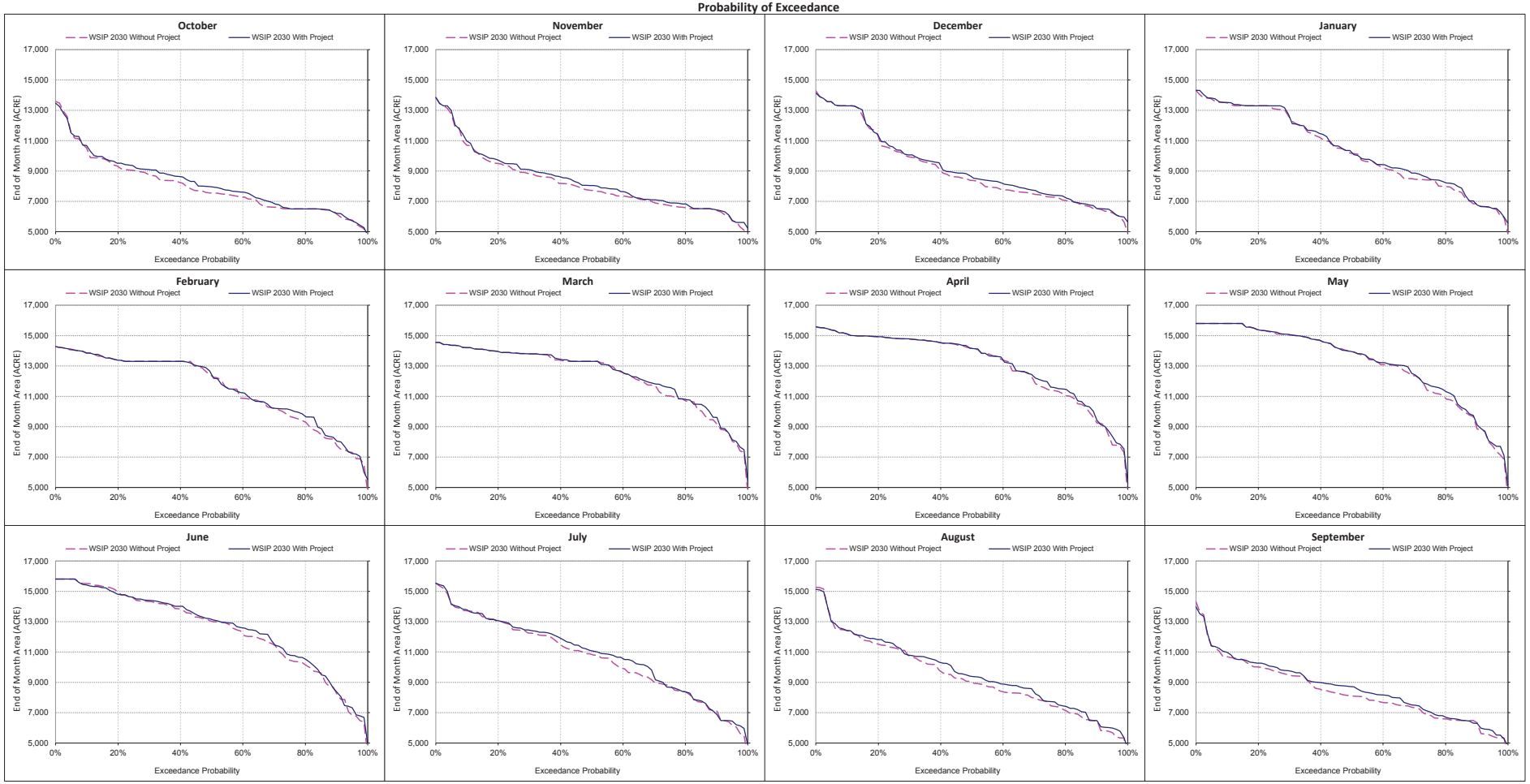


Table SW-20-b

Lake Oroville, End of Month Area

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,584	13,474	-110	-0.8%
1.2%	13,474	13,250	-224	-1.7%
2.5%	12,951	12,806	-145	-1.1%
3.7%	12,588	12,480	-108	-0.9%
4.9%	11,524	11,524	0	0.0%
6.2%	11,148	11,295	147	1.3%
7.4%	11,122	11,279	157	1.4%
8.6%	10,764	10,712	-51	-0.5%
9.9%	10,517	10,682	166	1.6%
11.1%	9,885	10,325	440	4.4%
12.3%	9,870	10,008	138	1.4%
13.6%	9,869	9,964	95	1.0%
14.8%	9,830	9,953	123	1.2%
16.0%	9,749	9,788	39	0.4%
17.3%	9,605	9,678	73	0.8%
18.5%	9,398	9,643	245	2.6%
19.8%	9,320	9,510	189	2.0%
21.0%	9,143	9,508	365	4.0%
22.2%	9,089	9,431	341	3.8%
23.5%	9,070	9,385	315	3.5%
24.7%	9,043	9,359	316	3.5%
25.9%	9,005	9,186	181	2.0%
27.2%	8,942	9,134	192	2.1%
28.4%	8,912	9,125	213	2.4%
29.6%	8,781	9,108	327	3.7%
30.9%	8,703	9,073	370	4.3%
32.1%	8,663	9,066	403	4.7%
33.3%	8,425	8,861	436	5.2%
34.6%	8,388	8,858	470	5.6%
35.8%	8,373	8,775	402	4.8%
37.0%	8,367	8,722	355	4.2%
38.3%	8,366	8,654	288	3.4%
39.5%	8,261	8,642	380	4.6%
40.7%	8,190	8,607	417	5.1%
42.0%	7,975	8,431	456	5.7%
43.2%	7,837	8,320	484	6.2%
44.4%	7,722	8,314	592	7.7%
45.7%	7,692	8,012	320	4.2%
46.9%	7,688	8,010	322	4.2%
48.1%	7,582	7,980	398	5.2%
49.4%	7,553	7,967	414	5.5%
50.6%	7,550	7,937	387	5.1%
51.9%	7,533	7,908	376	5.0%
53.1%	7,489	7,842	354	4.7%
54.3%	7,471	7,755	284	3.8%
55.6%	7,437	7,725	288	3.9%
56.8%	7,393	7,657	265	3.6%
58.0%	7,340	7,653	313	4.3%
59.3%	7,295	7,618	323	4.4%
60.5%	7,278	7,592	314	4.3%
61.7%	7,148	7,522	375	5.2%
63.0%	7,133	7,390	257	3.6%
64.2%	7,090	7,242	152	2.1%
65.4%	6,825	7,190	365	5.3%
66.7%	6,680	7,078	398	6.0%
67.9%	6,637	7,004	367	5.5%
69.1%	6,625	6,951	326	4.9%
70.4%	6,607	6,831	224	3.4%
71.6%	6,581	6,775	195	3.0%
72.8%	6,517	6,608	91	1.4%
74.1%	6,506	6,568	62	1.0%
75.3%	6,506	6,506	0	0.0%
76.5%	6,506	6,506	0	0.0%
77.8%	6,504	6,506	1	0.0%
79.0%	6,504	6,504	0	0.0%
80.2%	6,504	6,504	0	0.0%
81.5%	6,503	6,504	1	0.0%
82.7%	6,502	6,504	1	0.0%
84.0%	6,502	6,502	0	0.0%
85.2%	6,466	6,474	7	0.1%
86.4%	6,435	6,461	26	0.4%
87.7%	6,424	6,436	12	0.2%
88.9%	6,351	6,289	-61	-1.0%
90.1%	6,146	6,201	55	0.9%
91.4%	5,959	6,192	233	3.9%
92.6%	5,826	6,009	184	3.2%
93.8%	5,791	5,839	48	0.8%
95.1%	5,762	5,713	-50	-0.9%
96.3%	5,502	5,591	89	1.6%
97.5%	5,336	5,425	89	1.7%
98.8%	5,202	5,261	60	1.1%
100.0%	3,879	4,778	899	23.2%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,844	13,844	0	0.0%
1.2%	13,456	13,456	0	0.0%
2.5%	13,304	13,304	0	0.0%
3.7%	13,127	13,304	177	1.3%
4.9%	12,769	12,982	213	1.7%
6.2%	11,906	12,027	121	1.0%
7.4%	11,872	11,791	-81	-0.7%
8.6%	10,983	11,451	468	4.3%
9.9%	10,702	10,983	281	2.6%
11.1%	10,666	10,833	167	1.6%
12.3%	10,369	10,287	-81	-0.8%
13.6%	10,165	10,166	1	0.0%
14.8%	9,898	10,087	189	1.9%
16.0%	9,742	9,973	231	2.4%
17.3%	9,620	9,842	223	2.3%
18.5%	9,523	9,816	293	3.1%
19.8%	9,500	9,731	231	2.4%
21.0%	9,464	9,607	143	1.5%
22.2%	9,320	9,501	181	1.9%
23.5%	9,320	9,481	161	1.7%
24.7%	9,109	9,480	371	4.1%
25.9%	9,045	9,445	400	4.4%
27.2%	8,910	9,127	217	2.4%
28.4%	8,904	9,113	209	2.3%
29.6%	8,833	9,095	262	3.0%
30.9%	8,813	9,056	244	2.8%
32.1%	8,693	8,945	252	2.9%
33.3%	8,638	8,894	256	3.0%
34.6%	8,605	8,876	271	3.2%
35.8%	8,593	8,812	219	2.5%
37.0%	8,566	8,768	201	2.3%
38.3%	8,407	8,668	261	3.1%
39.5%	8,176	8,643	467	5.7%
40.7%	8,173	8,549	376	4.6%
42.0%	8,156	8,538	382	4.7%
43.2%	8,117	8,450	333	4.1%
44.4%	8,042	8,322	280	3.5%
45.7%	7,959	8,224	265	3.3%
46.9%	7,840	8,058	218	2.8%
48.1%	7,767	8,056	289	3.7%
49.4%	7,727	8,046	319	4.1%
50.6%	7,715	8,045	329	4.3%
51.9%	7,660	8,009	349	4.6%
53.1%	7,639	7,888	249	3.3%
54.3%	7,541	7,880	339	4.5%
55.6%	7,495	7,830	335	4.5%
56.8%	7,467	7,825	358	4.8%
58.0%	7,359	7,804	445	6.0%
59.3%	7,351	7,649	298	4.1%
60.5%	7,342	7,627	285	3.9%
61.7%	7,291	7,521	230	3.2%
63.0%	7,251	7,331	79	1.1%
64.2%	7,237	7,228	-9	-0.1%
65.4%	7,128	7,195	67	0.9%
66.7%	7,106	7,139	33	0.5%
67.9%	7,105	7,134	29	0.4%
69.1%	6,989	7,106	116	1.7%
70.4%	6,889	7,092	203	2.9%
71.6%	6,841	7,057	217	3.2%
72.8%	6,807	7,048	242	3.6%
74.1%	6,758	6,947	189	2.8%
75.3%	6,698	6,897	199	3.0%
76.5%	6,673	6,886	213	3.2%
77.8%	6,631	6,872	241	3.6%
79.0%	6,606	6,825	218	3.3%
80.2%	6,585	6,818	233	3.5%
81.5%	6,520	6,647	127	1.9%
82.7%	6,520	6,519	-1	0.0%
84.0%	6,519	6,518	-1	0.0%
85.2%	6,519	6,518	-1	0.0%
86.4%	6,518	6,518	0	0.0%
87.7%	6,518	6,518	0	0.0%
88.9%	6,472	6,485	13	0.2%
90.1%	6,386	6,435	49	0.8%
91.4%	6,305	6,371	66	1.0%
92.6%	6,112	6,314	202	3.3%
93.8%	6,089	6,111	23	0.4%
95.1%	5,693	5,742	49	0.9%
96.3%	5,666	5,613	-53	-0.9%
97.5%	5,310	5,603	293	5.5%
98.8%	5,102	5,600	497	9.8%
100.0%	4,720	5,223	503	10.6%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,283	14,138	-146	-1.0%
1.2%	13,903	13,904	1	0.0%
2.5%	13,777	13,777	0	0.0%
3.7%	13,567	13,567	0	0.0%
4.9%	13,564	13,564	0	0.0%
6.2%	13,344	13,344	0	0.0%
7.4%	13,304	13,304	0	0.0%
8.6%	13,304	13,304	0	0.0%
9.9%	13,304	13,304	0	0.0%
11.1%	13,304	13,304	0	0.0%
12.3%	13,285	13,281	-4	0.0%
13.6%	13,143	13,167	25	0.2%
14.8%	12,690	13,034	345	2.7%
16.0%	12,116	12,097	-19	-0.2%
17.3%	11,789	11,944	155	1.3%
18.5%	11,709	11,580	-130	-1.1%
19.8%	11,436	11,435	0	0.0%
21.0%	10,655	10,936	281	2.6%
22.2%	10,602	10,921	320	3.0%
23.5%	10,525	10,661	136	1.3%
24.7%	10,392	10,585	194	1.9%
25.9%	10,274	10,386	112	1.1%
27.2%	10,237	10,361	124	1.2%
28.4%	10,048	10,118	71	0.7%
29.6%	9,941	10,065	123	1.2%
30.9%	9,895	10,063	167	1.7%
32.1%	9,884	9,930	46	0.5%
33.3%	9,692	9,801	109	1.1%
34.6%	9,602	9,743	141	1.5%
35.8%	9,561	9,688	127	1.3%
37.0%	9,473	9,625	152	1.6%
38.3%	9,431	9,580	149	1.6%
39.5%	9,147	9,540	392	4.3%
40.7%	8,860	9,063	203	2.3%
42.0%	8,784	8,968	184	2.1%
43.2%	8,625	8,953	328	3.8%
44.4%	8,619	8,890	271	3.1%
45.7%	8,602	8,862	260	3.0%
46.9%	8,528	8,854	326	3.8%
48.1%	8,494	8,828	333	3.9%
49.4%	8,388	8,694	305	3.6%
50.6%	8,374	8,524	150	1.8%
51.9%	8,316	8,491	175	2.1%
53.1%	8,185	8,426	242	3.0%
54.3%	7,968	8,397	429	5.4%
55.6%	7,958	8,368	410	5.1%
56.8%	7,922	8,332	411	5.2%
58.0%	7,895	8,312	417	5.3%
59.3%	7,795	8,222	427	5.5%
60.5%	7,752	8,132	381	4.9%
61.7%	7,745	8,084	339	4.4%
63.0%	7,699	8,056	357	4.6%
64.2%	7,639	7,985	345	4.5%
65.4%	7,608	7,897	289	3.8%
66.7%	7,598	7,864	266	3.5%
67.9%	7,566	7,801	235	3.1%
69.1%	7,516	7,741	225	3.0%
70.4%	7,457	7,716	259	3.5%
71.6%	7,436	7,576	140	1.9%
72.8%	7,387	7,505	119	1.6%
74.1%	7,302	7,452	149	2.0%
75.3%	7,283	7,423	140	1.9%
76.5%	7,268	7,397	129	1.8%
77.8%	7,230	7,395	166	2.3%
79.0%	7,091	7,357	266	3.8%
80.2%	7,036	7,215	179	2.5%
81.5%	7,034	7,127	94	1.3%
82.7%	6,957	6,964	7	0.1%
84.0%	6,879	6,905	25	0.4%
85.2%	6,760	6,853	92	1.4%
86.4%	6,712	6,821	109	1.6%
87.7%	6,659	6,751	92	1.4%
88.9%	6,539	6,713	174	2.7%
90.1%	6,523	6,523	0	0.0%
91.4%	6,466	6,519	53	0.8%
92.6%	6,354	6,506	152	2.4%
93.8%	6,348	6,482	134	2.1%
95.1%	6,238	6,305	67	1.1%
96.3%	6,107	6,089	-17	-0.3%
97.5%	5,969	6,005	37	0.6%
98.8%	5,640	5,967	327	5.8%
100.0%	4,891	5,620	729	14.9%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,314	14,323	9	0.1%
1.2%	14,034	14,314	280	2.0%
2.5%	13,821	14,034	213	1.5%
3.7%	13,811	13,821	10	0.1%
4.9%	13,757	13,811	53	0.4%
6.2%	13,577	13,757	180	1.3%
7.4%	13,524	13,577	53	0.4%
8.6%	13,524	13,524	0	0.0%
9.9%	13,497	13,524	27	0.2%
11.1%	13,374	13,497	123	0.9%
12.3%	13,304	13,387	83	0.6%
13.6%	13,304	13,374	70	0.5%
14.8%	13,304	13,324	20	0.2%
16.0%	13,304	13,304	0	0.0%
17.3%	13,304	13,304	0	0.0%
18.5%	13,304	13,304	0	0.0%
19.8%	13,304	13,304	0	0.0%
21.0%	13,304	13,304	0	0.0%
22.2%	13,304	13,304	0	0.0%
23.5%	13,301	13,304	3	0.0%
24.7%	13,110	13,304	194	1.5%
25.9%	13,073	13,304	232	1.8%
27.2%	13,047	13,304	257	2.0%
28.4%	13,035	13,172	137	1.1%
29.6%	12,636	12,756	120	0.9%
30.9%	12,268	12,115	-153	-1.2%
32.1%	12,115	12,099	-16	-0.1%
33.3%	11,995	12,012	16	0.1%
34.6%	11,920	11,985	65	0.5%
35.8%	11,565	11,687	122	1.1%
37.0%	11,481	11,673	192	1.7%
38.3%	11,333	11,617	284	2.5%
39.5%	11,232	11,487	255	2.3%
40.7%	11,073	11,420	347	3.1%
42.0%	10,972	11,265	293	2.7%
43.2%	10,930	10,820	-110	-1.0%
44.4%	10,509	10,654	145	1.4%
45.7%	10,509	10,642	133	1.3%
46.9%	10,465	10,477	13	0.1%
48.1%	10,334	10,352	19	0.2%
49.4%	10,181	10,351	170	1.7%
50.6%	10,140	10,069	-71	-0.7%
51.9%	10,111	10,028	-83	-0.8%
53.1%	9,713	9,822	109	1.1%
54.3%	9,632	9,777	145	1.5%
55.6%	9,600	9,773	173	1.8%
56.8%	9,599	9,627	28	0.3%
58.0%	9,428	9,424	-4	0.0%
59.3%	9,291	9,423	132	1.4%
60.5%	9,178	9,406	228	2.5%
61.7%	9,089	9,290	201	2.2%
63.0%	9,065	9,208	143	1.6%
64.2%	8,911	9,204	292	3.3%
65.4%	8,776	9,177	401	4.6%
66.7%	8,505	9,098	592	7.0%
67.9%	8,498	9,031	533	6.3%
69.1%	8,496	8,867	371	4.4%
70.4%	8,449	8,856	408	4.8%
71.6%	8,442	8,796	354	4.2%
72.8%	8,430	8,679	249	3.0%
74.1%	8,409	8,590	181	2.2%
75.3%	8,405	8,425	20	0.2%
76.5%	8,345	8,408	63	0.8%
77.8%	8,008	8,408	399	5.0%
79.0%	7,991	8,319	328	4.1%
80.2%	7,972	8,219	247	3.1%
81.5%	7,946	8,194	248	3.1%
82.7%	7,746	8,136	390	5.0%
84.0%	7,677	7,981	304	4.0%
85.2%	7,576	7,870	295	3.9%
86.4%	7,177	7,380	203	2.8%
87.7%	7,032	7,028	-4	-0.1%
88.9%	6,846	7,023	177	2.6%
90.1%	6,841	6,755	-86	-1.3%
91.4%	6,670	6,656	-14	-0.2%
92.6%	6,646	6,645	-1	0.0%
93.8%	6,604	6,636	32	0.5%
95.1%	6,527	6,526	0	0.0%
96.3%	6,475	6,526	51	0.8%
97.5%	6,057	6,287	231	3.8%
98.8%	5,940	5,966	26	0.4%
100.0%	4,832	5,563	731	15.1%

Table SW-20-b

Lake Oroville, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,271	14,271	0	0.0%
1.2%	14,224	14,224	0	0.0%
2.5%	14,201	14,201	0	0.0%
3.7%	14,103	14,146	43	0.3%
4.9%	14,058	14,103	45	0.3%
6.2%	14,041	14,041	0	0.0%
7.4%	14,001	14,001	0	0.0%
8.6%	13,967	13,967	0	0.0%
9.9%	13,851	13,851	0	0.0%
11.1%	13,847	13,847	0	0.0%
12.3%	13,761	13,770	9	0.1%
13.6%	13,649	13,761	112	0.8%
14.8%	13,644	13,644	0	0.0%
16.0%	13,531	13,531	0	0.0%
17.3%	13,521	13,521	0	0.0%
18.5%	13,451	13,451	0	0.0%
19.8%	13,387	13,387	0	0.0%
21.0%	13,364	13,364	0	0.0%
22.2%	13,304	13,304	0	0.0%
23.5%	13,304	13,304	0	0.0%
24.7%	13,304	13,304	0	0.0%
25.9%	13,304	13,304	0	0.0%
27.2%	13,304	13,304	0	0.0%
28.4%	13,304	13,304	0	0.0%
29.6%	13,304	13,304	0	0.0%
30.9%	13,304	13,304	0	0.0%
32.1%	13,304	13,304	0	0.0%
33.3%	13,304	13,304	0	0.0%
34.6%	13,304	13,304	0	0.0%
35.8%	13,304	13,304	0	0.0%
37.0%	13,304	13,304	0	0.0%
38.3%	13,304	13,304	0	0.0%
39.5%	13,304	13,304	0	0.0%
40.7%	13,304	13,301	-3	0.0%
42.0%	13,301	13,261	-40	-0.3%
43.2%	13,297	13,196	-100	-0.8%
44.4%	13,010	13,058	48	0.4%
45.7%	12,928	12,999	71	0.6%
46.9%	12,878	12,964	86	0.7%
48.1%	12,634	12,898	264	2.1%
49.4%	12,430	12,663	233	1.9%
50.6%	12,259	12,194	-65	-0.5%
51.9%	12,215	12,155	-61	-0.5%
53.1%	12,042	11,789	-254	-2.1%
54.3%	11,637	11,617	-20	-0.2%
55.6%	11,488	11,489	1	0.0%
56.8%	11,480	11,476	-5	0.0%
58.0%	11,472	11,336	-137	-1.2%
59.3%	10,883	11,253	371	3.4%
60.5%	10,865	11,206	342	3.1%
61.7%	10,829	10,974	145	1.3%
63.0%	10,772	10,784	12	0.1%
64.2%	10,757	10,661	-96	-0.9%
65.4%	10,646	10,661	15	0.1%
66.7%	10,587	10,624	37	0.4%
67.9%	10,297	10,471	174	1.7%
69.1%	10,258	10,247	-11	-0.1%
70.4%	10,193	10,213	20	0.2%
71.6%	10,102	10,192	90	0.9%
72.8%	9,992	10,175	183	1.8%
74.1%	9,808	10,172	364	3.7%
75.3%	9,659	10,098	439	4.5%
76.5%	9,589	10,006	418	4.4%
77.8%	9,506	9,940	434	4.6%
79.0%	9,402	9,842	440	4.7%
80.2%	9,276	9,645	369	4.0%
81.5%	8,979	9,634	655	7.3%
82.7%	8,796	9,616	820	9.3%
84.0%	8,685	8,969	285	3.3%
85.2%	8,456	8,874	418	4.9%
86.4%	8,250	8,432	182	2.2%
87.7%	8,195	8,353	158	1.9%
88.9%	8,184	8,305	121	1.5%
90.1%	7,744	8,041	297	3.8%
91.4%	7,505	7,999	494	6.6%
92.6%	7,487	7,708	221	2.9%
93.8%	7,340	7,349	9	0.1%
95.1%	7,297	7,229	-68	-0.9%
96.3%	6,896	7,198	302	4.4%
97.5%	6,882	7,046	163	2.4%
98.8%	6,520	5,994	-527	-8.1%
100.0%	4,700	5,511	810	17.2%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,554	14,554	0	0.0%
1.2%	14,551	14,551	0	0.0%
2.5%	14,421	14,421	0	0.0%
3.7%	14,411	14,411	0	0.0%
4.9%	14,361	14,361	0	0.0%
6.2%	14,361	14,361	0	0.0%
7.4%	14,331	14,331	0	0.0%
8.6%	14,221	14,221	0	0.0%
9.9%	14,207	14,207	0	0.0%
11.1%	14,204	14,204	0	0.0%
12.3%	14,131	14,131	0	0.0%
13.6%	14,104	14,104	0	0.0%
14.8%	14,101	14,101	0	0.0%
16.0%	14,071	14,071	0	0.0%
17.3%	14,007	14,007	0	0.0%
18.5%	13,994	13,994	0	0.0%
19.8%	13,971	13,971	0	0.0%
21.0%	13,891	13,891	0	0.0%
22.2%	13,891	13,891	0	0.0%
23.5%	13,891	13,891	0	0.0%
24.7%	13,857	13,857	0	0.0%
25.9%	13,847	13,847	0	0.0%
27.2%	13,824	13,824	0	0.0%
28.4%	13,821	13,821	0	0.0%
29.6%	13,801	13,801	0	0.0%
30.9%	13,797	13,797	0	0.0%
32.1%	13,797	13,797	0	0.0%
33.3%	13,767	13,767	0	0.0%
34.6%	13,751	13,758	7	0.1%
35.8%	13,737	13,751	13	0.1%
37.0%	13,501	13,737	237	1.8%
38.3%	13,401	13,501	100	0.7%
39.5%	13,401	13,454	53	0.4%
40.7%	13,341	13,401	60	0.5%
42.0%	13,304	13,401	97	0.7%
43.2%	13,304	13,304	0	0.0%
44.4%	13,304	13,304	0	0.0%
45.7%	13,304	13,304	0	0.0%
46.9%	13,304	13,304	0	0.0%
48.1%	13,304	13,304	0	0.0%
49.4%	13,304	13,304	0	0.0%
50.6%	13,304	13,304	0	0.0%
51.9%	13,304	13,304	0	0.0%
53.1%	13,202	13,105	-98	-0.7%
54.3%	13,191	13,101	-90	-0.7%
55.6%	13,020	13,042	22	0.2%
56.8%	12,958	12,774	-184	-1.4%
58.0%	12,676	12,700	24	0.2%
59.3%	12,626	12,664	38	0.3%
60.5%	12,510	12,490	-20	-0.2%
61.7%	12,446	12,448	2	0.0%
63.0%	12,288	12,287	-1	0.0%
64.2%	12,123	12,270	147	1.2%
65.4%	12,032	12,138	106	0.9%
66.7%	11,934	12,056	122	1.0%
67.9%	11,743	11,946	203	1.7%
69.1%	11,738	11,889	151	1.3%
70.4%	11,710	11,818	109	0.9%
71.6%	11,302	11,793	491	4.3%
72.8%	11,118	11,671	553	5.0%
74.1%	11,030	11,612	582	5.3%
75.3%	11,021	11,570	549	5.0%
76.5%	10,955	11,448	493	4.5%
77.8%	10,838	10,843	6	0.1%
79.0%	10,822	10,833	11	0.1%
80.2%	10,689	10,795	107	1.0%
81.5%	10,680	10,752	71	0.7%
82.7%	10,625	10,481	-144	-1.4%
84.0%	10,105	10,471	365	3.6%
85.2%	10,027	10,459	431	4.3%
86.4%	9,677	10,284	607	6.3%
87.7%	9,464	10,022	558	5.9%
88.9%	9,457	9,627	170	1.8%
90.1%	9,167	9,607	440	4.8%
91.4%	8,819	8,898	79	0.9%
92.6%	8,780	8,871	91	1.0%
93.8%	8,582	8,584	2	0.0%
95.1%	8,024	8,139	115	1.4%
96.3%	7,915	8,039	124	1.6%
97.5%	7,396	7,656	260	3.5%
98.8%	7,330	7,480	150	2.0%
100.0%	4,597	5,406	809	17.6%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,577	15,577	0	0.0%
1.2%	15,530	15,530	0	0.0%
2.5%	15,517	15,517	0	0.0%
3.7%	15,454	15,454	0	0.0%
4.9%	15,377	15,376	-1	0.0%
6.2%	15,330	15,330	0	0.0%
7.4%	15,190	15,190	0	0.0%
8.6%	15,184	15,184	0	0.0%
9.9%	15,124	15,124	0	0.0%
11.1%	15,020	15,020	0	0.0%
12.3%	15,004	15,004	0	0.0%
13.6%	14,984	14,984	0	0.0%
14.8%	14,984	14,984	0	0.0%
16.0%	14,980	14,979	-1	0.0%
17.3%	14,957	14,957	0	0.0%
18.5%	14,947	14,947	0	0.0%
19.8%	14,934	14,934	0	0.0%
21.0%	14,932	14,929	-2	0.0%
22.2%	14,886	14,885	-2	0.0%
23.5%	14,856	14,853	-2	0.0%
24.7%	14,820	14,819	-2	0.0%
25.9%	14,804	14,804	0	0.0%
27.2%	14,797	14,797	0	0.0%
28.4%	14,794	14,794	0	0.0%
29.6%	14,790	14,790	0	0.0%
30.9%	14,767	14,764	-3	0.0%
32.1%	14,737	14,737	0	0.0%
33.3%	14,704	14,704	0	0.0%
34.6%	14,704	14,704	0	0.0%
35.8%	14,663	14,661	-2	0.0%
37.0%	14,645	14,643	-2	0.0%
38.3%	14,611	14,611	0	0.0%
39.5%	14,561	14,559	-2	0.0%
40.7%	14,512	14,509	-2	0.0%
42.0%	14,511	14,509	-2	0.0%
43.2%	14,475	14,502	27	0.2%
44.4%	14,438	14,474	36	0.2%
45.7%	14,369	14,436	67	0.5%
46.9%	14,349	14,366	17	0.1%
48.1%	14,241	14,347	106	0.7%
49.4%	14,179	14,177	-2	0.0%
50.6%	14,127	14,149	21	0.2%
51.9%	14,088	14,128	39	0.3%
53.1%	13,831	13,842	10	0.1%
54.3%	13,819	13,841	21	0.2%
55.6%	13,783	13,655	-128	-0.9%
56.8%	13,674	13,642	-31	-0.2%
58.0%	13,644	13,622	-23	-0.2%
59.3%	13,452	13,594	142	1.1%
60.5%	13,353	13,245	-107	-0.8%
61.7%	13,278	13,194	-84	-0.6%
63.0%	12,679	13,141	461	3.6%
64.2%	12,666	12,689	23	0.2%
65.4%	12,635	12,646	11	0.1%
66.7%	12,621	12,642	21	0.2%
67.9%	12,556	12,510	-46	-0.4%
69.1%	12,298	12,442	143	1.2%
70.4%	11,845	12,210	365	3.1%
71.6%	11,683	12,111	428	3.7%
72.8%	11,600	12,026	425	3.7%
74.1%	11,477	11,972	495	4.3%
75.3%	11,374	11,606	232	2.0%
76.5%	11,372	11,581	209	1.8%
77.8%	11,316	11,512	196	1.7%
79.0%	11,190	11,492	302	2.7%
80.2%	11,047	11,459	413	3.7%
81.5%	11,005	11,253	248	2.2%
82.7%	10,862	11,160	299	2.7%
84.0%	10,510	10,693	182	1.7%
85.2%	10,464	10,645	181	1.7%
86.4%	10,318	10,373	56	0.5%
87.7%	9,961	10,310	349	3.5%
88.9%	9,632	10,025	393	4.1%
90.1%	9,233	9,416	183	2.0%
91.4%	9,219	9,130	-89	-1.0%
92.6%	9,084	9,022	-62	-0.7%
93.8%	8,436	8,712	276	3.3%
95.1%	7,793	8,335	542	7.0%
96.3%	7,780	7,929	149	1.9%
97.5%	7,699	7,846	146	1.9%
98.8%	7,290	7,528	238	3.3%
100.0%	4,422	5,230	808	18.3%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,804	0	0.0%
3.7%	15,804	15,804	0	0.0%
4.9%	15,804	15,804	0	0.0%
6.2%	15,804	15,804	0	0.0%
7.4%	15,804	15,804	0	0.0%
8.6%	15,804	15,804	0	0.0%
9.9%	15,804	15,804	0	0.0%
11.1%	15,804	15,804	0	0.0%
12.3%	15,804	15,804	0	0.0%
13.6%	15,804	15,804	0	0.0%
14.8%	15,804	15,804	0	0.0%
16.0%	15,568	15,563	-5	0.0%
17.3%	15,556	15,554	-2	0.0%
18.5%	15,503	15,501	-2	0.0%
19.8%	15,398	15,395	-2	0.0%
21.0%	15,342	15,339	-3	0.0%
22.2%	15,331	15,328	-2	0.0%
23.5%	15,257	15,288	30	0.2%
24.7%	15,222	15,253	31	0.2%
25.9%	15,111	15,220	108	0.7%
27.2%	15,105	15,109	4	0.0%
28.4%	15,091	15,102	11	0.1%
29.6%	15,042	15,086	44	0.3%
30.9%	15,030	15,040	10	0.1%
32.1%	15,003	15,001	-2	0.0%
33.3%	14,976	14,972	-4	0.0%
34.6%	14,933	14,928	-5	0.0%
35.8%	14,887	14,883	-5	0.0%
37.0%	14,781	14,777	-4	0.0%
38.3%	14,733	14,734	1	0.0%
39.5%	14,707	14,705	-2	0.0%
40.7%	14,595	14,591	-5	0.0%
42.0%	14,544	14,534	-10	-0.1%
43.2%	14,478	14,474	-5	0.0%
44.4%	14,255	14,251	-4	0.0%
45.7%	14,164	14,159	-5	0.0%
46.9%	14,111	14,037	-74	-0.5%
48.1%	14,014	14,014	0	0.0%
49.4%	13,938	13,962	24	0.2%
50.6%	13,925	13,919	-6	0.0%
51.9%	13,800	13,820	20	0.1%
53.1%	13,733	13,797	64	0.5%
54.3%	13,711	13,707	-4	0.0%
55.6%	13,408	13,494	86	0.6%
56.8%	13,403	13,438	35	0.3%
58.0%	13,302	13,244	-57	-0.4%
59.3%	13,080	13,217	137	1.0%
60.5%	13,077	13,212	135	1.0%
61.7%	13,064	13,124	61	0.5%
63.0%	13,063	13,094	31	0.2%
64.2%	13,031	13,068	37	0.3%
65.4%	12,899	13,043	144	1.1%
66.7%	12,690	13,023	334	2.6%
67.9%	12,573	12,941	368	2.9%
69.1%	12,364	12,523	159	1.3%
70.4%	12,355	12,390	35	0.3%
71.6%	12,175	12,187	12	0.1%
72.8%	11,907	11,880	-28	-0.2%
74.1%	11,402	11,809	407	3.6%
75.3%	11,344	11,673	330	2.9%
76.5%	11,205	11,626	422	3.8%
77.8%	11,170	11,573	404	3.6%
79.0%	11,076	11,466	390	3.5%
80.2%	10,815	11,304	489	4.5%
81.5%	10,770	11,192	422	3.9%
82.7%	10,668	11,021	353	3.3%
84.0%	10,340	10,485	144	1.4%
85.2%	10,111	10,249	138	1.4%
86.4%	9,928	10,133	204	2.1%
87.7%	9,762	9,838	76	0.8%
88.9%	9,673	9,736	62	0.6%
90.1%	8,853	9,116	263	3.0%
91.4%	8,772	8,893	121	1.4%
92.6%	8,696	8,703	7	0.1%
93.8%	7,990	8,063	74	0.9%
95.1%	7,747	7,890	143	1.8%
96.3%	7,370	7,710	340	4.6%
97.5%	7,146	7,698	552	7.7%
98.8%	6,837	7,112	275	4.0%
100.0%	4,353	5,159	807	18.5%

Table SW-20-b

Lake Oroville, End of Month Area

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,804	0	0.0%
3.7%	15,804	15,804	0	0.0%
4.9%	15,804	15,804	0	0.0%
6.2%	15,804	15,804	0	0.0%
7.4%	15,613	15,593	-21	-0.1%
8.6%	15,515	15,446	-69	-0.4%
9.9%	15,514	15,412	-101	-0.7%
11.1%	15,498	15,351	-147	-0.9%
12.3%	15,403	15,313	-90	-0.6%
13.6%	15,397	15,308	-89	-0.6%
14.8%	15,333	15,248	-86	-0.6%
16.0%	15,284	15,224	-60	-0.4%
17.3%	15,259	15,053	-206	-1.3%
18.5%	15,159	14,956	-203	-1.3%
19.8%	15,017	14,815	-203	-1.3%
21.0%	14,783	14,772	-10	-0.1%
22.2%	14,756	14,771	15	0.1%
23.5%	14,644	14,644	0	0.0%
24.7%	14,590	14,620	31	0.2%
25.9%	14,401	14,500	99	0.7%
27.2%	14,367	14,484	118	0.8%
28.4%	14,363	14,427	63	0.4%
29.6%	14,334	14,408	75	0.5%
30.9%	14,312	14,381	69	0.5%
32.1%	14,233	14,358	126	0.9%
33.3%	14,193	14,307	114	0.8%
34.6%	14,183	14,231	48	0.3%
35.8%	14,096	14,197	101	0.7%
37.0%	14,085	14,119	34	0.2%
38.3%	13,862	14,014	152	1.1%
39.5%	13,846	14,008	162	1.2%
40.7%	13,760	14,005	246	1.8%
42.0%	13,576	13,794	217	1.6%
43.2%	13,560	13,696	136	1.0%
44.4%	13,307	13,540	233	1.7%
45.7%	13,299	13,397	98	0.7%
46.9%	13,223	13,313	90	0.7%
48.1%	13,190	13,223	33	0.2%
49.4%	13,062	13,195	133	1.0%
50.6%	12,992	13,103	111	0.9%
51.9%	12,985	13,051	66	0.5%
53.1%	12,959	12,960	2	0.0%
54.3%	12,930	12,927	-3	0.0%
55.6%	12,818	12,916	98	0.8%
56.8%	12,571	12,899	328	2.6%
58.0%	12,459	12,677	218	1.7%
59.3%	12,388	12,614	226	1.8%
60.5%	12,071	12,569	498	4.1%
61.7%	12,022	12,469	447	3.7%
63.0%	12,022	12,451	429	3.6%
64.2%	11,991	12,399	408	3.4%
65.4%	11,878	12,203	325	2.7%
66.7%	11,810	12,185	375	3.2%
67.9%	11,641	12,171	530	4.6%
69.1%	11,565	11,755	189	1.6%
70.4%	11,417	11,448	31	0.3%
71.6%	11,036	11,376	340	3.1%
72.8%	10,825	11,223	398	3.7%
74.1%	10,519	10,859	340	3.2%
75.3%	10,440	10,782	342	3.3%
76.5%	10,373	10,764	391	3.8%
77.8%	10,351	10,654	303	2.9%
79.0%	10,299	10,636	337	3.3%
80.2%	10,127	10,507	381	3.8%
81.5%	9,966	10,308	342	3.4%
82.7%	9,739	10,093	354	3.6%
84.0%	9,688	9,849	161	1.7%
85.2%	9,599	9,497	-102	-1.1%
86.4%	8,994	9,425	431	4.8%
87.7%	8,725	9,057	332	3.8%
88.9%	8,693	8,634	-59	-0.7%
90.1%	8,227	8,345	118	1.4%
91.4%	7,879	8,053	174	2.2%
92.6%	7,872	7,470	-402	-5.1%
93.8%	7,054	7,427	373	5.3%
95.1%	6,826	7,314	488	7.1%
96.3%	6,775	6,860	86	1.3%
97.5%	6,472	6,788	315	4.9%
98.8%	6,394	6,687	293	4.6%
100.0%	4,175	4,979	804	19.3%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,532	15,530	-1	0.0%
1.2%	15,351	15,431	80	0.5%
2.5%	15,199	15,359	161	1.1%
3.7%	14,832	14,989	157	1.1%
4.9%	14,207	14,128	-79	-0.6%
6.2%	13,959	14,041	81	0.6%
7.4%	13,899	13,974	76	0.5%
8.6%	13,734	13,818	84	0.6%
9.9%	13,720	13,784	64	0.5%
11.1%	13,696	13,645	-51	-0.4%
12.3%	13,642	13,563	-79	-0.6%
13.6%	13,606	13,544	-62	-0.5%
14.8%	13,338	13,530	192	1.4%
16.0%	13,272	13,227	-45	-0.3%
17.3%	13,180	13,147	-33	-0.3%
18.5%	13,160	13,141	-19	-0.1%
19.8%	13,011	13,074	63	0.5%
21.0%	12,997	13,022	25	0.2%
22.2%	12,901	12,975	75	0.6%
23.5%	12,847	12,902	55	0.4%
24.7%	12,472	12,638	166	1.3%
25.9%	12,453	12,593	140	1.1%
27.2%	12,435	12,578	143	1.2%
28.4%	12,413	12,456	43	0.3%
29.6%	12,249	12,451	202	1.6%
30.9%	12,239	12,406	167	1.4%
32.1%	12,183	12,367	184	1.5%
33.3%	12,106	12,301	195	1.6%
34.6%	12,092	12,297	205	1.7%
35.8%	12,073	12,268	194	1.6%
37.0%	11,962	12,199	238	2.0%
38.3%	11,762	12,080	317	2.7%
39.5%	11,550	11,965	415	3.6%
40.7%	11,361	11,828	466	4.1%
42.0%	11,240	11,667	427	3.8%
43.2%	11,162	11,614	452	4.0%
44.4%	11,094	11,466	373	3.4%
45.7%	11,092	11,453	361	3.3%
46.9%	11,006	11,281	274	2.5%
48.1%	10,891	11,210	320	2.9%
49.4%	10,877	11,096	219	2.0%
50.6%	10,797	11,044	247	2.3%
51.9%	10,786	11,001	214	2.0%
53.1%	10,615	10,893	278	2.6%
54.3%	10,599	10,888	289	2.7%
55.6%	10,593	10,847	254	2.4%
56.8%	10,290	10,769	479	4.7%
58.0%	10,109	10,662	553	5.5%
59.3%	9,934	10,650	717	7.2%
60.5%	9,889	10,504	616	6.2%
61.7%	9,640	10,497	857	8.9%
63.0%	9,634	10,418	785	8.1%
64.2%	9,628	10,226	598	6.2%
65.4%	9,513	10,185	672	7.1%
66.7%	9,364	10,159	794	8.5%
67.9%	9,341	10,034	692	7.4%
69.1%	9,174	9,817	643	7.0%
70.4%	8,946	9,161	215	2.4%
71.6%	8,935	9,081	146	1.6%
72.8%	8,883	8,988	105	1.2%
74.1%	8,824	8,691	-132	-1.5%
75.3%	8,764	8,672	-92	-1.1%
76.5%	8,486	8,628	141	1.7%
77.8%	8,444	8,521	78	0.9%
79.0%	8,431	8,400	-31	-0.4%
80.2%	8,354	8,356	3	0.0%
81.5%	8,173	8,282	109	1.3%
82.7%	7,904	7,851	-53	-0.7%
84.0%	7,726	7,832	106	1.4%
85.2%	7,691	7,771	80	1.0%
86.4%	7,587	7,607	20	0.3%
87.7%	7,184	7,286	102	1.4%
88.9%	7,174	7,111	-63	-0.9%
90.1%	7,096	6,873	-223	-3.1%
91.4%	6,473	6,474	1	0.0%
92.6%	6,472	6,473	1	0.0%
93.8%	6,403	6,472	69	1.1%
95.1%	6,165	6,441	277	4.5%
96.3%	6,052	6,198	146	2.4%
97.5%	5,631	6,130	499	8.9%
98.8%	5,531	5,971	440	8.0%
100.0%	4,042	4,843	801	19.8%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,264	15,134	-130	-0.9%
1.2%	15,245	15,096	-149	-1.0%
2.5%	15,152	14,977	-175	-1.2%
3.7%	13,946	14,030	84	0.6%
4.9%	13,177	13,005	-172	-1.3%
6.2%	12,560	12,870	311	2.5%
7.4%	12,491	12,593	102	0.8%
8.6%	12,469	12,530	62	0.5%
9.9%	12,412	12,413	1	0.0%
11.1%	12,347	12,411	64	0.5%
12.3%	12,161	12,179	17	0.1%
13.6%	12,081	12,106	25	0.2%
14.8%	11,824	12,087	262	2.2%
16.0%	11,743	11,963	220	1.9%
17.3%	11,717	11,897	179	1.5%
18.5%	11,557	11,894	338	2.9%
19.8%	11,533	11,821	287	2.5%
21.0%	11,452	11,814	361	3.2%
22.2%	11,439	11,646	208	1.8%
23.5%	11,333	11,638	304	2.7%
24.7%	11,287	11,563	277	2.4%
25.9%	11,234	11,340	106	0.9%
27.2%	11,113	11,218	105	0.9%
28.4%	11,105	10,878	-227	-2.0%
29.6%	10,772	10,801	30	0.3%
30.9%	10,682	10,754	72	0.7%
32.1%	10,581	10,709	128	1.2%
33.3%	10,417	10,701	284	2.7%
34.6%	10,343	10,690	347	3.4%
35.8%	10,199	10,604	405	4.0%
37.0%	10,184	10,537	353	3.5%
38.3%	10,178	10,474	297	2.9%
39.5%	9,805	10,324	519	5.3%
40.7%	9,614	10,266	652	6.8%
42.0%	9,531	10,245	713	7.5%
43.2%	9,510	10,117	606	6.4%
44.4%	9,287	9,716	428	4.6%
45.7%	9,266	9,581	315	3.4%
46.9%	9,236	9,565	329	3.6%
48.1%	9,077	9,496	419	4.6%
49.4%	9,061	9,409	348	3.8%
50.6%	8,937	9,380	443	5.0%
51.9%	8,915	9,349	435	4.9%
53.1%	8,872	9,307	435	4.9%
54.3%	8,783	9,145	362	4.1%
55.6%	8,699	9,052	353	4.1%
56.8%	8,691	9,042	351	4.0%
58.0%	8,511	8,991	480	5.6%
59.3%	8,414	8,893	479	5.7%
60.5%	8,346	8,870	524	6.3%
61.7%	8,315	8,834	519	6.2%
63.0%	8,301	8,793	492	5.9%
64.2%	8,293	8,793	499	6.0%
65.4%	8,286	8,682	396	4.8%
66.7%	8,184	8,627	443	5.4%
67.9%	8,160	8,600	440	5.4%
69.1%	7,999	8,590	591	7.4%
70.4%	7,949	8,248	299	3.8%
71.6%	7,838	8,108	270	3.4%
72.8%	7,790	7,789	0	0.0%
74.1%	7,725	7,744	19	0.2%
75.3%	7,449	7,722	273	3.7%
76.5%	7,413	7,709	296	4.0%
77.8%	7,379	7,510	131	1.8%
79.0%	7,234	7,455	220	3.0%
80.2%	7,123	7,403	280	3.9%
81.5%	6,956	7,284	327	4.7%
82.7%	6,951	7,280	329	4.7%
84.0%	6,903	7,193	289	4.2%
85.2%	6,717	7,067	350	5.2%
86.4%	6,536	7,024	488	7.5%
87.7%	6,534	6,483	-51	-0.8%
88.9%	6,478	6,480	2	0.0%
90.1%	6,477	6,477	0	0.0%
91.4%	5,816	6,066	250	4.3%
92.6%	5,815	6,029	214	3.7%
93.8%	5,768	6,025	257	4.5%
95.1%	5,679	5,980	301	5.3%
96.3%	5,407	5,902	495	9.2%
97.5%	5,336	5,779	443	8.3%
98.8%	5,327	5,352	24	0.5%
100.0%	3,745	4,592	847	22.6%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,309	13,975	-334	-2.3%
1.2%	13,654	13,508	-145	-1.1%
2.5%	13,453	13,345	-108	-0.8%
3.7%	12,076	12,193	117	1.0%
4.9%	11,439	11,397	-42	-0.4%
6.2%	11,246	11,358	111	1.0%
7.4%	11,058	11,231	173	1.6%
8.6%	10,703	11,054	352	3.3%
9.9%	10,699	10,979	280	2.6%
11.1%	10,630	10,826	196	1.8%
12.3%	10,591	10,548	-44	-0.4%
13.6%	10,553	10,509	-43	-0.4%
14.8%	10,511	10,508	-3	0.0%
16.0%	10,333	10,445	112	1.1%
17.3%	10,153	10,331	177	1.7%
18.5%	10,028	10,305	278	2.8%
19.8%	10,014	10,271	257	2.6%
21.0%	9,985	10,256	271	2.7%
22.2%	9,925	10,188	263	2.6%
23.5%	9,880	10,082	202	2.0%
24.7%	9,765	10,042	277	2.8%
25.9%	9,716	9,973	256	2.6%
27.2%	9,632	9,822	190	2.0%
28.4%	9,559	9,776	216	2.3%
29.6%	9,496	9,767	271	2.9%
30.9%	9,433	9,724	290	3.1%
32.1%	9,414	9,635	222	2.4%
33.3%	9,411	9,630	219	2.3%
34.6%	9,410	9,428	18	0.2%
35.8%	9,087	9,127	39	0.4%
37.0%	8,872	9,049	177	2.0%
38.3%	8,608	9,021	412	4.8%
39.5%	8,563	8,988	425	5.0%
40.7%	8,463	8,957	494	5.8%
42.0%	8,444	8,907	463	5.5%
43.2%	8,370	8,886	516	6.2%
44.4%	8,314	8,829	515	6.2%
45.7%	8,279	8,787	508	6.1%
46.9%	8,192	8,780	588	7.2%
48.1%	8,147	8,749	602	7.4%
49.4%	8,130	8,722	592	7.3%
50.6%	8,089	8,711	623	7.7%
51.9%	8,077	8,557	480	5.9%
53.1%	8,060	8,410	349	4.3%
54.3%	8,003	8,346	343	4.3%
55.6%	7,823	8,318	495	6.3%
56.8%	7,817	8,265	448	5.7%
58.0%	7,782	8,188	406	5.2%
59.3%	7,696	8,173	476	6.2%
60.5%	7,661	8,157	497	6.5%
61.7%	7,656	8,125	469	6.1%
63.0%	7,626	8,012	386	5.1%
64.2%	7,528	7,994	466	6.2%
65.4%	7,483	7,975	492	6.6%
66.7%	7,449	7,674	225	3.0%
67.9%	7,448	7,596	148	2.0%
69.1%	7,358	7,505	147	2.0%
70.4%	7,311	7,483	171	2.3%
71.6%	7,247	7,437	190	2.6%
72.8%	6,980	7,216	236	3.4%
74.1%	6,870	7,111	241	3.5%
75.3%	6,809	7,030	221	3.2%
76.5%	6,645	6,871	226	3.4%
77.8%	6,632	6,811	180	2.7%
79.0%	6,593	6,811	217	3.3%
80.2%	6,591	6,693	102	1.5%
81.5%	6,528	6,619	91	1.4%
82.7%	6,521	6,592	71	1.1%
84.0%	6,490	6,572	82	1.3%
85.2%	6,488	6,489	1	0.0%
86.4%	6,488	6,487	-1	0.0%
87.7%	6,486	6,452	-34	-0.5%
88.9%	6,486	6,316	-170	-2.6%
90.1%	6,331	6,298	-33	-0.5%
91.4%	5,624	5,983	358	6.4%
92.6%	5,589	5,907	318	5.7%
93.8%	5,557	5,890	332	6.0%
95.1%	5,437	5,816	379	7.0%
96.3%	5,357	5,521	164	3.1%
97.5%	5,356	5,512	156	2.9%
98.8%	5,334	5,279	-55	-1.0%
100.0%	4,008	4,804	796	19.9%

Figure SW-21-b
Feather River at Thermalito Low Flow Channel, Monthly Flow
Probability of Exceedance

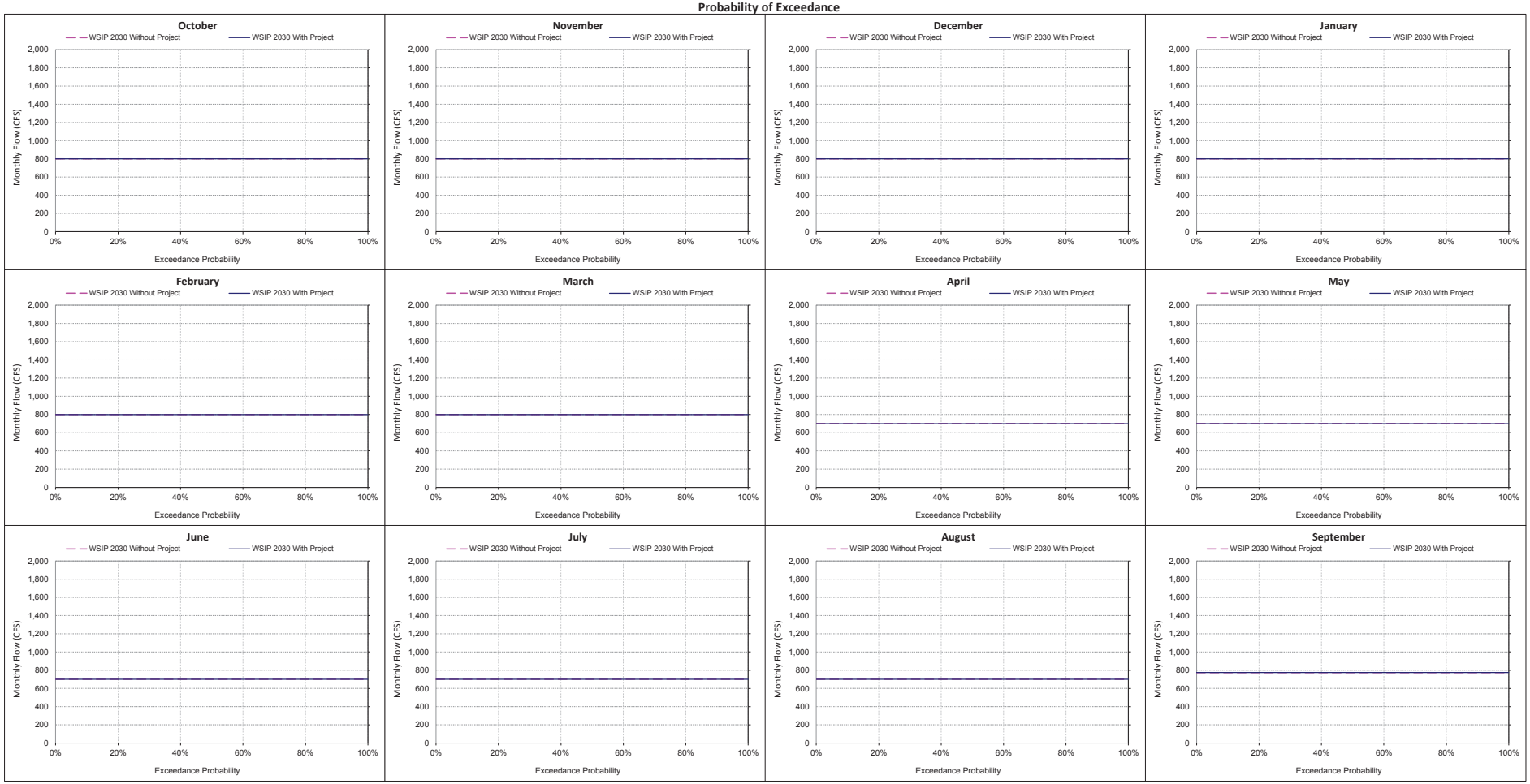


Table SW-21-b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Table SW-21-b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

Table SW-21-b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	773	773	0	0.0%
1.2%	773	773	0	0.0%
2.5%	773	773	0	0.0%
3.7%	773	773	0	0.0%
4.9%	773	773	0	0.0%
6.2%	773	773	0	0.0%
7.4%	773	773	0	0.0%
8.6%	773	773	0	0.0%
9.9%	773	773	0	0.0%
11.1%	773	773	0	0.0%
12.3%	773	773	0	0.0%
13.6%	773	773	0	0.0%
14.8%	773	773	0	0.0%
16.0%	773	773	0	0.0%
17.3%	773	773	0	0.0%
18.5%	773	773	0	0.0%
19.8%	773	773	0	0.0%
21.0%	773	773	0	0.0%
22.2%	773	773	0	0.0%
23.5%	773	773	0	0.0%
24.7%	773	773	0	0.0%
25.9%	773	773	0	0.0%
27.2%	773	773	0	0.0%
28.4%	773	773	0	0.0%
29.6%	773	773	0	0.0%
30.9%	773	773	0	0.0%
32.1%	773	773	0	0.0%
33.3%	773	773	0	0.0%
34.6%	773	773	0	0.0%
35.8%	773	773	0	0.0%
37.0%	773	773	0	0.0%
38.3%	773	773	0	0.0%
39.5%	773	773	0	0.0%
40.7%	773	773	0	0.0%
42.0%	773	773	0	0.0%
43.2%	773	773	0	0.0%
44.4%	773	773	0	0.0%
45.7%	773	773	0	0.0%
46.9%	773	773	0	0.0%
48.1%	773	773	0	0.0%
49.4%	773	773	0	0.0%
50.6%	773	773	0	0.0%
51.9%	773	773	0	0.0%
53.1%	773	773	0	0.0%
54.3%	773	773	0	0.0%
55.6%	773	773	0	0.0%
56.8%	773	773	0	0.0%
58.0%	773	773	0	0.0%
59.3%	773	773	0	0.0%
60.5%	773	773	0	0.0%
61.7%	773	773	0	0.0%
63.0%	773	773	0	0.0%
64.2%	773	773	0	0.0%
65.4%	773	773	0	0.0%
66.7%	773	773	0	0.0%
67.9%	773	773	0	0.0%
69.1%	773	773	0	0.0%
70.4%	773	773	0	0.0%
71.6%	773	773	0	0.0%
72.8%	773	773	0	0.0%
74.1%	773	773	0	0.0%
75.3%	773	773	0	0.0%
76.5%	773	773	0	0.0%
77.8%	773	773	0	0.0%
79.0%	773	773	0	0.0%
80.2%	773	773	0	0.0%
81.5%	773	773	0	0.0%
82.7%	773	773	0	0.0%
84.0%	773	773	0	0.0%
85.2%	773	773	0	0.0%
86.4%	773	773	0	0.0%
87.7%	773	773	0	0.0%
88.9%	773	773	0	0.0%
90.1%	773	773	0	0.0%
91.4%	773	773	0	0.0%
92.6%	773	773	0	0.0%
93.8%	773	773	0	0.0%
95.1%	773	773	0	0.0%
96.3%	773	773	0	0.0%
97.5%	773	773	0	0.0%
98.8%	773	773	0	0.0%
100.0%	773	773	0	0.0%

Figure SW-22-b
Feather River below Thermalito, Monthly Flow
Probability of Exceedance

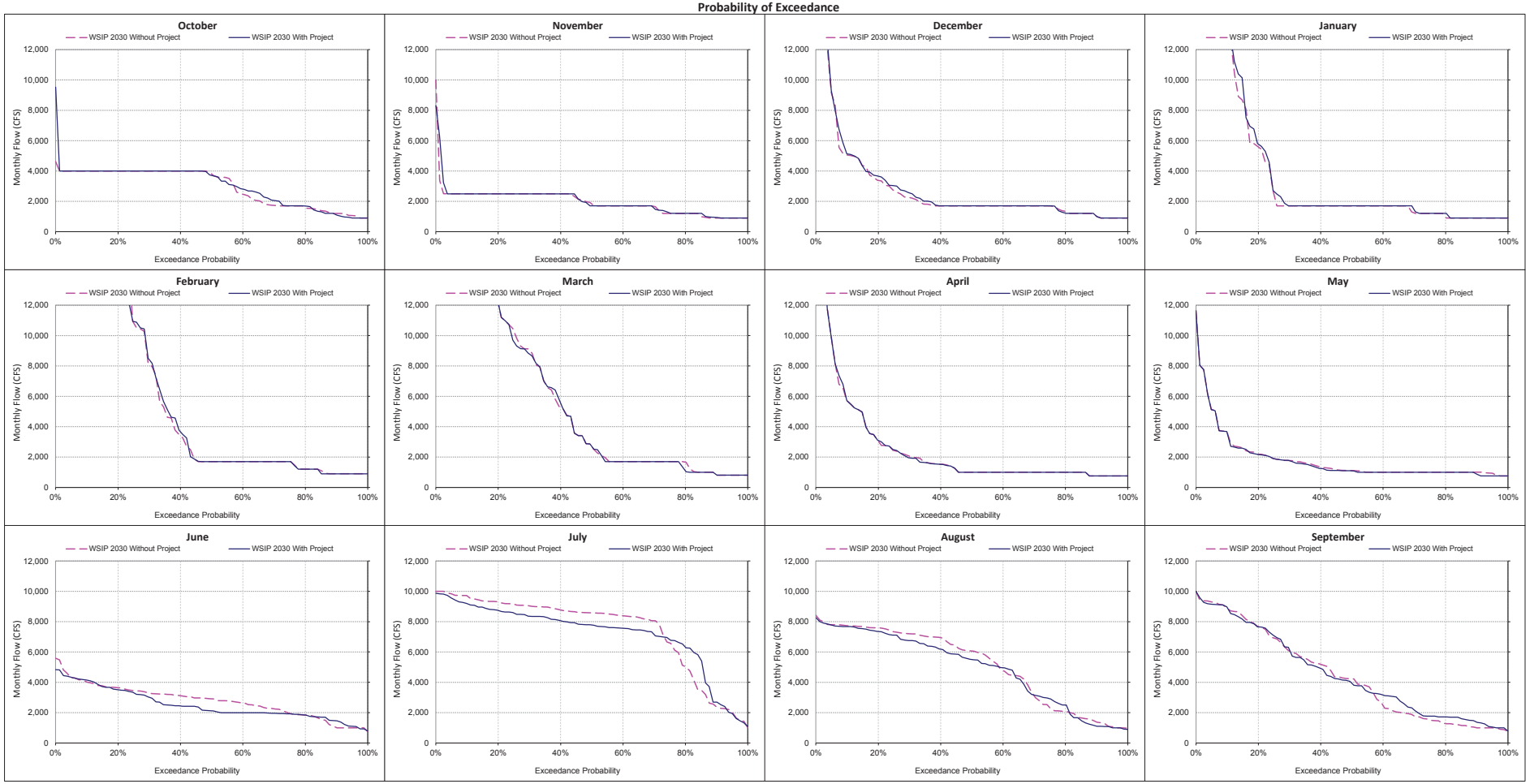


Table SW-22-b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,620	9,522	4,902	106.1%
1.2%	4,000	4,000	0	0.0%
2.5%	4,000	4,000	0	0.0%
3.7%	4,000	4,000	0	0.0%
4.9%	4,000	4,000	0	0.0%
6.2%	4,000	4,000	0	0.0%
7.4%	4,000	4,000	0	0.0%
8.6%	4,000	4,000	0	0.0%
9.9%	4,000	4,000	0	0.0%
11.1%	4,000	4,000	0	0.0%
12.3%	4,000	4,000	0	0.0%
13.6%	4,000	4,000	0	0.0%
14.8%	4,000	4,000	0	0.0%
16.0%	4,000	4,000	0	0.0%
17.3%	4,000	4,000	0	0.0%
18.5%	4,000	4,000	0	0.0%
19.8%	4,000	4,000	0	0.0%
21.0%	4,000	4,000	0	0.0%
22.2%	4,000	4,000	0	0.0%
23.5%	4,000	4,000	0	0.0%
24.7%	4,000	4,000	0	0.0%
25.9%	4,000	4,000	0	0.0%
27.2%	4,000	4,000	0	0.0%
28.4%	4,000	4,000	0	0.0%
29.6%	4,000	4,000	0	0.0%
30.9%	4,000	4,000	0	0.0%
32.1%	4,000	4,000	0	0.0%
33.3%	4,000	4,000	0	0.0%
34.6%	4,000	4,000	0	0.0%
35.8%	4,000	4,000	0	0.0%
37.0%	4,000	4,000	0	0.0%
38.3%	4,000	4,000	0	0.0%
39.5%	4,000	4,000	0	0.0%
40.7%	4,000	4,000	0	0.0%
42.0%	4,000	4,000	0	0.0%
43.2%	4,000	4,000	0	0.0%
44.4%	4,000	4,000	0	0.0%
45.7%	4,000	4,000	0	0.0%
46.9%	4,000	4,000	0	0.0%
48.1%	4,000	3,962	-38	-1.0%
49.4%	3,897	3,735	-162	-4.2%
50.6%	3,699	3,670	-29	-0.8%
51.9%	3,586	3,617	32	0.9%
53.1%	3,585	3,328	-257	-7.2%
54.3%	3,580	3,328	-252	-7.0%
55.6%	3,509	3,114	-394	-11.2%
56.8%	3,185	3,067	-118	-3.7%
58.0%	2,603	2,971	367	14.1%
59.3%	2,502	2,826	324	13.0%
60.5%	2,439	2,790	351	14.4%
61.7%	2,354	2,679	324	13.8%
63.0%	2,132	2,676	544	25.5%
64.2%	2,056	2,605	549	26.7%
65.4%	2,025	2,520	495	24.5%
66.7%	1,848	2,280	431	23.3%
67.9%	1,781	2,219	438	24.6%
69.1%	1,747	2,083	336	19.2%
70.4%	1,723	2,054	331	19.2%
71.6%	1,700	2,012	312	18.3%
72.8%	1,700	1,717	17	1.0%
74.1%	1,700	1,712	12	0.7%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,700	1,700	0	0.0%
79.0%	1,700	1,700	0	0.0%
80.2%	1,541	1,688	147	9.5%
81.5%	1,539	1,649	110	7.1%
82.7%	1,511	1,425	-86	-5.7%
84.0%	1,454	1,346	-108	-7.4%
85.2%	1,381	1,318	-63	-4.6%
86.4%	1,357	1,210	-146	-10.8%
87.7%	1,264	1,200	-64	-5.1%
88.9%	1,200	1,200	0	0.0%
90.1%	1,200	1,081	-119	-9.9%
91.4%	1,200	1,013	-187	-15.6%
92.6%	1,190	972	-218	-18.3%
93.8%	1,074	957	-116	-10.8%
95.1%	1,064	901	-163	-15.3%
96.3%	1,038	901	-137	-13.2%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,999	8,312	-1,686	-16.9%
1.2%	3,375	6,290	2,915	86.4%
2.5%	2,500	3,222	722	28.9%
3.7%	2,500	2,500	0	0.0%
4.9%	2,500	2,500	0	0.0%
6.2%	2,500	2,500	0	0.0%
7.4%	2,500	2,500	0	0.0%
8.6%	2,500	2,500	0	0.0%
9.9%	2,500	2,500	0	0.0%
11.1%	2,500	2,500	0	0.0%
12.3%	2,500	2,500	0	0.0%
13.6%	2,500	2,500	0	0.0%
14.8%	2,500	2,500	0	0.0%
16.0%	2,500	2,500	0	0.0%
17.3%	2,500	2,500	0	0.0%
18.5%	2,500	2,500	0	0.0%
19.8%	2,500	2,500	0	0.0%
21.0%	2,500	2,500	0	0.0%
22.2%	2,500	2,500	0	0.0%
23.5%	2,500	2,500	0	0.0%
24.7%	2,500	2,500	0	0.0%
25.9%	2,500	2,500	0	0.0%
27.2%	2,500	2,500	0	0.0%
28.4%	2,500	2,500	0	0.0%
29.6%	2,500	2,500	0	0.0%
30.9%	2,500	2,500	0	0.0%
32.1%	2,500	2,500	0	0.0%
33.3%	2,500	2,500	0	0.0%
34.6%	2,500	2,500	0	0.0%
35.8%	2,500	2,500	0	0.0%
37.0%	2,500	2,500	0	0.0%
38.3%	2,500	2,500	0	0.0%
39.5%	2,500	2,500	0	0.0%
40.7%	2,500	2,500	0	0.0%
42.0%	2,500	2,500	0	0.0%
43.2%	2,500	2,500	0	0.0%
44.4%	2,308	2,500	192	8.3%
45.7%	2,133	2,152	19	0.9%
46.9%	2,100	1,971	-129	-6.1%
48.1%	1,975	1,930	-45	-2.3%
49.4%	1,925	1,700	-225	-11.7%
50.6%	1,721	1,700	-21	-1.2%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,648	1,467	-181	-11.0%
71.6%	1,380	1,413	33	2.4%
72.8%	1,200	1,389	189	15.8%
74.1%	1,200	1,310	110	9.2%
75.3%	1,200	1,200	0	0.0%
76.5%	1,200	1,200	0	0.0%
77.8%	1,200	1,200	0	0.0%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	1,195	1,200	5	0.4%
85.2%	983	1,200	217	22.1%
86.4%	943	1,006	62	6.6%
87.7%	900	973	73	8.1%
88.9%	900	956	56	6.2%
90.1%	900	931	31	3.4%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,181	26,181	0	0.0%
1.2%	21,505	24,117	2,612	12.1%
2.5%	18,513	18,513	0	0.0%
3.7%	12,047	12,579	533	4.4%
4.9%	9,158	9,329	172	1.9%
6.2%	8,337	7,980	-357	-4.3%
7.4%	5,553	6,734	1,181	21.3%
8.6%	5,161	5,865	704	13.6%
9.9%	5,060	5,128	68	1.3%
11.1%	5,024	5,098	74	1.5%
12.3%	4,958	4,985	27	0.5%
13.6%	4,899	4,839	-59	-1.2%
14.8%	4,365	4,363	-2	-0.1%
16.0%	4,277	3,961	-317	-7.4%
17.3%	3,717	3,936	219	5.9%
18.5%	3,579	3,724	145	4.0%
19.8%	3,386	3,672	286	8.4%
21.0%	3,348	3,600	253	7.5%
22.2%	3,059	3,378	319	10.4%
23.5%	3,012	3,049	38	1.2%
24.7%	2,748	3,041	292	10.6%
25.9%	2,604	3,011	407	15.6%
27.2%	2,485	2,747	262	10.5%
28.4%	2,287	2,705	418	18.3%
29.6%	2,270	2,581	311	13.7%
30.9%	2,204	2,494	290	13.1%
32.1%	2,113	2,270	157	7.4%
33.3%	1,944	2,203	259	13.3%
34.6%	1,817	2,006	189	10.4%
35.8%	1,812	2,006	194	10.7%
37.0%	1,749	1,954	205	11.7%
38.3%	1,700	1,752	52	3.0%
39.5%	1,700	1,700	0	0.0%
40.7%	1,700	1,700	0	0.0%
42.0%	1,700	1,700	0	0.0%
43.2%	1,700	1,700	0	0.0%
44.4%	1,700	1,700	0	0.0%
45.7%	1,700	1,700	0	0.0%
46.9%	1,700	1,700	0	0.0%
48.1%	1,700	1,700	0	0.0%
49.4%	1,700	1,700	0	0.0%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,692	1,700	8	0.5%
76.5%	1,649	1,690	42	2.5%
77.8%	1,479	1,377	-102	-6.9%
79.0%	1,377	1,270	-107	-7.8%
80.2%	1,345	1,200	-145	-10.8%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	1,200	0	0.0%
86.4%	1,200	1,200	0	0.0%
87.7%	1,200	1,200	0	0.0%
88.9%	1,200	1,200	0	0.0%
90.1%	998	982	-16	-1.6%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,640	41,640	0	0.0%
1.2%	33,370	30,223	-3,148	-9.4%
2.5%	30,223	27,548	-2,675	-8.8%
3.7%	23,502	23,482	-20	-0.1%
4.9%	21,811	21,811	0	0.0%
6.2%	15,437	17,577	2,140	13.9%
7.4%	15,292	14,581	-711	-4.6%
8.6%	14,014	14,014	0	0.0%
9.9%	12,837	13,573	737	5.7%
11.1%	12,692	12,837	144	1.1%
12.3%	10,406	11,216	810	7.8%
13.6%	8,912	10,406	1,494	16.8%
14.8%	8,682	10,154	1,472	17.0%
16.0%	8,067	7,503	-564	-7.0%
17.3%	5,828	6,944	1,116	19.1%
18.5%	5,809	6,771	962	16.6%
19.8%	5,621	5,809	188	3.3%
21.0%	5,428	5,621	193	3.6%
22.2%	4,573	5,299	725	15.9%
23.5%	4,437	4,576	138	3.1%
24.7%	2,717	2,715	-1	0.0%
25.9%	1,700	2,468	768	45.2%
27.2%	1,700	2,304	604	35.5%
28.4%	1,700	1,877	177	10.4%
29.6%	1,700	1,700	0	0.0%
30.9%	1,700	1,700	0	0.0%
32.1%	1,700	1,700	0	0.0%
33.3%	1,700	1,700	0	0.0%
34.6%	1,700	1,700	0	0.0%
35.8%	1,700	1,700	0	0.0%
37.0%	1,700	1,700	0	0.0%
38.3%	1,700	1,700	0	0.0%
39.5%	1,700	1,700	0	0.0%
40.7%	1,700	1,700	0	0.0%
42.0%	1,700	1,700	0	0.0%
43.2%	1,700	1,700	0	0.0%
44.4%	1,700	1,700	0	0.0%
45.7%	1,700	1,700	0	0.0%
46.9%	1,700	1,700	0	0.0%
48.1%	1,700	1,700	0	0.0%
49.4%	1,700	1,700	0	0.0%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,305	1,700	395	30.2%
70.4%	1,200	1,304	104	8.7%
71.6%	1,200	1,200	0	0.0%
72.8%	1,200	1,200	0	0.0%
74.1%	1,200	1,200	0	0.0%
75.3%	1,200	1,200	0	0.0%
76.5%	1,200	1,200	0	0.0%
77.8%	1,200	1,200	0	0.0%
79.0%	1,200	1,200	0	0.0%
80.2%	900	1,200	300	33.3%
81.5%	900	900	0	0.0%
82.7%	900	900	0	0.0%
84.0%	900	900	0	0.0%
85.2%	900	900	0	0.0%
86.4%	900	900	0	0.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

Table SW-22-b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,651	42,651	0	0.0%
1.2%	33,365	33,365	0	0.0%
2.5%	31,854	31,854	0	0.0%
3.7%	24,672	24,672	0	0.0%
4.9%	24,401	24,401	0	0.0%
6.2%	24,211	24,211	0	0.0%
7.4%	24,113	24,113	0	0.0%
8.6%	21,861	23,699	1,839	8.4%
9.9%	21,175	21,186	11	0.1%
11.1%	19,910	20,107	197	1.0%
12.3%	18,344	19,980	1,636	8.9%
13.6%	18,213	19,912	1,699	9.3%
14.8%	18,071	19,102	1,031	5.7%
16.0%	17,431	18,861	1,429	8.2%
17.3%	16,757	18,213	1,457	8.7%
18.5%	15,774	18,148	2,374	15.1%
19.8%	15,586	18,071	2,484	15.9%
21.0%	15,566	15,774	208	1.3%
22.2%	15,391	15,586	196	1.3%
23.5%	14,456	12,191	-2,265	-15.7%
24.7%	10,940	10,937	-3	0.0%
25.9%	10,511	10,893	382	3.6%
27.2%	10,443	10,511	68	0.7%
28.4%	10,275	10,443	168	1.6%
29.6%	8,179	8,503	324	4.0%
30.9%	7,963	8,179	216	2.7%
32.1%	7,397	7,217	-180	-2.4%
33.3%	5,663	6,467	804	14.2%
34.6%	5,307	5,663	356	6.7%
35.8%	4,616	5,124	508	11.0%
37.0%	4,574	4,615	40	0.9%
38.3%	3,772	4,573	800	21.2%
39.5%	3,488	3,772	284	8.1%
40.7%	3,259	3,488	229	7.0%
42.0%	2,701	3,258	557	20.6%
43.2%	2,487	2,025	-463	-18.6%
44.4%	1,853	1,870	17	0.9%
45.7%	1,700	1,712	12	0.7%
46.9%	1,700	1,700	0	0.0%
48.1%	1,700	1,700	0	0.0%
49.4%	1,700	1,700	0	0.0%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,480	1,422	-59	-4.0%
77.8%	1,200	1,200	0	0.0%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	1,200	1,200	0	0.0%
85.2%	1,094	900	-194	-17.7%
86.4%	923	900	-23	-2.5%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	37,561	37,561	0	0.0%
1.2%	35,917	35,917	0	0.0%
2.5%	30,656	30,656	0	0.0%
3.7%	28,394	28,824	430	1.5%
4.9%	27,076	27,076	0	0.0%
6.2%	25,889	25,892	3	0.0%
7.4%	20,664	20,664	0	0.0%
8.6%	19,871	19,871	0	0.0%
9.9%	18,176	17,686	-490	-2.7%
11.1%	17,163	17,163	0	0.0%
12.3%	14,595	14,677	82	0.6%
13.6%	14,036	14,595	560	4.0%
14.8%	13,954	14,036	82	0.6%
16.0%	13,883	13,954	71	0.5%
17.3%	13,482	13,883	401	3.0%
18.5%	13,053	13,482	429	3.3%
19.8%	12,371	12,371	0	0.0%
21.0%	11,194	11,194	0	0.0%
22.2%	10,993	10,993	0	0.0%
23.5%	10,726	10,726	0	0.0%
24.7%	10,466	9,707	-759	-7.3%
25.9%	9,831	9,316	-515	-5.2%
27.2%	9,317	9,134	-183	-2.0%
28.4%	9,135	9,124	-10	-0.1%
29.6%	9,124	8,843	-281	-3.1%
30.9%	8,843	8,666	-177	-2.0%
32.1%	8,074	8,176	102	1.3%
33.3%	7,940	7,940	0	0.0%
34.6%	7,018	7,018	0	0.0%
35.8%	6,569	6,618	49	0.7%
37.0%	6,421	6,569	148	2.3%
38.3%	5,809	6,421	612	10.5%
39.5%	5,326	5,808	482	9.0%
40.7%	5,189	5,189	0	0.0%
42.0%	4,756	4,706	-50	-1.1%
43.2%	4,684	4,694	10	0.2%
44.4%	3,557	3,582	25	0.7%
45.7%	3,416	3,414	-1	0.0%
46.9%	3,414	3,413	-1	0.0%
48.1%	2,875	2,870	-5	-0.2%
49.4%	2,870	2,860	-10	-0.3%
50.6%	2,508	2,513	5	0.2%
51.9%	2,261	2,488	227	10.0%
53.1%	2,102	2,102	-1	0.0%
54.3%	1,951	1,700	-251	-12.9%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,700	1,700	0	0.0%
79.0%	1,700	1,354	-346	-20.4%
80.2%	1,654	1,031	-623	-37.7%
81.5%	1,208	1,000	-208	-17.2%
82.7%	1,034	1,000	-34	-3.2%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	1,000	0	0.0%
88.9%	1,000	1,000	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,908	17,902	-6	0.0%
1.2%	16,155	16,150	-4	0.0%
2.5%	15,076	15,073	-3	0.0%
3.7%	11,719	11,711	-8	-0.1%
4.9%	9,896	9,889	-7	-0.1%
6.2%	8,160	8,156	-4	0.0%
7.4%	6,794	7,353	559	8.2%
8.6%	6,579	6,789	210	3.2%
9.9%	5,722	5,719	-3	-0.1%
11.1%	5,498	5,494	-4	-0.1%
12.3%	5,245	5,238	-8	-0.1%
13.6%	5,126	5,117	-9	-0.2%
14.8%	4,964	4,960	-4	-0.1%
16.0%	3,981	3,949	-32	-0.8%
17.3%	3,543	3,536	-7	-0.2%
18.5%	3,483	3,474	-9	-0.3%
19.8%	3,116	3,110	-6	-0.2%
21.0%	2,765	2,998	233	8.4%
22.2%	2,762	2,753	-9	-0.3%
23.5%	2,732	2,721	-11	-0.4%
24.7%	2,440	2,507	67	2.8%
25.9%	2,379	2,431	52	2.2%
27.2%	2,256	2,250	-6	-0.3%
28.4%	2,178	2,086	-92	-4.2%
29.6%	2,084	1,958	-126	-6.0%
30.9%	1,984	1,923	-61	-3.1%
32.1%	1,960	1,911	-49	-2.5%
33.3%	1,925	1,661	-264	-13.7%
34.6%	1,688	1,648	-40	-2.3%
35.8%	1,624	1,614	-10	-0.6%
37.0%	1,569	1,567	-2	-0.1%
38.3%	1,553	1,549	-4	-0.3%
39.5%	1,521	1,518	-3	-0.2%
40.7%	1,520	1,514	-6	-0.4%
42.0%	1,479	1,444	-35	-2.4%
43.2%	1,401	1,400	-1	-0.1%
44.4%	1,263	1,261	-2	-0.1%
45.7%	1,000	1,000	0	0.0%
46.9%	1,000	1,000	0	0.0%
48.1%	1,000	1,000	0	0.0%
49.4%	1,000	1,000	0	0.0%
50.6%	1,000	1,000	0	0.0%
51.9%	1,000	1,000	0	0.0%
53.1%	1,000	1,000	0	0.0%
54.3%	1,000	1,000	0	0.0%
55.6%	1,000	1,000	0	0.0%
56.8%	1,000	1,000	0	0.0%
58.0%	1,000	1,000	0	0.0%
59.3%	1,000	1,000	0	0.0%
60.5%	1,000	1,000	0	0.0%
61.7%	1,000	1,000	0	0.0%
63.0%	1,000	1,000	0	0.0%
64.2%	1,000	1,000	0	0.0%
65.4%	1,000	1,000	0	0.0%
66.7%	1,000	1,000	0	0.0%
67.9%	1,000	1,000	0	0.0%
69.1%	1,000	1,000	0	0.0%
70.4%	1,000	1,000	0	0.0%
71.6%	1,000	1,000	0	0.0%
72.8%	1,000	1,000	0	0.0%
74.1%	1,000	1,000	0	0.0%
75.3%	1,000	1,000	0	0.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	750	750	0	0.0%
88.9%	750	750	0	0.0%
90.1%	750	750	0	0.0%
91.4%	750	750	0	0.0%
92.6%	750	750	0	0.0%
93.8%	750	750	0	0.0%
95.1%	750	750	0	0.0%
96.3%	750	750	0	0.0%
97.5%	750	750	0	0.0%
98.8%	750	750	0	0.0%
100.0%	750	750	0	0.0%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,656	11,643	-13	-0.1%
1.2%	8,047	8,038	-9	-0.1%
2.5%	7,764	7,762	-1	0.0%
3.7%	6,183	6,171	-12	-0.2%
4.9%	5,131	5,113	-18	-0.4%
6.2%	5,072	5,059	-14	-0.3%
7.4%	3,739	3,727	-12	-0.3%
8.6%	3,707	3,698	-9	-0.2%
9.9%	3,695	3,687	-7	-0.2%
11.1%	2,910	2,698	-212	-7.3%
12.3%	2,707	2,653	-54	-2.0%
13.6%	2,674	2,592	-82	-3.1%
14.8%	2,607	2,583	-23	-0.9%
16.0%	2,416	2,508	92	3.8%
17.3%	2,336	2,280	-55	-2.4%
18.5%	2,322	2,225	-97	-4.2%
19.8%	2,182	2,167	-15	-0.7%
21.0%	2,181	2,141	-40	-1.9%
22.2%	2,116	2,101	-16	-0.7%
23.5%	2,043	2,041	-2	-0.1%
24.7%	1,905	1,903	-2	-0.1%
25.9%	1,851	1,850	-1	-0.1%
27.2%	1,840	1,812	-27	-1.5%
28.4%	1,778	1,775	-3	-0.2%
29.6%	1,771	1,773	2	0.1%
30.9%	1,758	1,700	-58	-3.3%
32.1%	1,692	1,597	-95	-5.6%
33.3%	1,688	1,580	-108	-6.4%
34.6%	1,619	1,535	-84	-5.2%
35.8%	1,573	1,509	-64	-4.1%
37.0%	1,520	1,427	-93	-6.1%
38.3%	1,439	1,334	-105	-7.3%
39.5%	1,364	1,246	-119	-8.7%
40.7%	1,305	1,233	-73	-5.6%
42.0%	1,282	1,137	-145	-11.3%
43.2%	1,248	1,114	-134	-10.7%
44.4%	1,186	1,109	-77	-6.5%
45.7%	1,138	1,107	-31	-2.7%
46.9%	1,123	1,100	-23	-2.1%
48.1%	1,117	1,098	-18	-1.7%
49.4%	1,111	1,097	-13	-1.2%
50.6%	1,108	1,086	-22	-2.0%
51.9%	1,088	1,000	-88	-8.1%
53.1%	1,079	1,000	-79	-7.3%
54.3%	1,000	1,000	0	0.0%
55.6%	1,000	1,000	0	0.0%
56.8%	1,000	1,000	0	0.0%
58.0%	1,000	1,000	0	0.0%
59.3%	1,000	1,000	0	0.0%
60.5%	1,000	1,000	0	0.0%
61.7%	1,000	1,000	0	0.0%
63.0%	1,000	1,000	0	0.0%
64.2%	1,000	1,000	0	0.0%
65.4%	1,000	1,000	0	0.0%
66.7%	1,000	1,000	0	0.0%
67.9%	1,000	1,000	0	0.0%
69.1%	1,000	1,000	0	0.0%
70.4%	1,000	1,000	0	0.0%
71.6%	1,000	1,000	0	0.0%
72.8%	1,000	1,000	0	0.0%
74.1%	1,000	1,000	0	0.0%
75.3%	1,000	1,000	0	0.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	1,000	0	0.0%
88.9%	1,000	1,000	0	0.0%
90.1%	1,000	862	-138	-13.8%
91.4%	1,000	750	-250	-25.0%
92.6%	962	750	-212	-22.1%
93.8%	945	750	-195	-20.6%
95.1%	932	750	-182	-19.5%
96.3%	801	750	-51	-6.3%
97.5%	750	750	0	0.0%
98.8%	750	750	0	0.0%
100.0%	750	750	0	0.0%

Table SW-22-b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,585	4,832	-754	-13.5%
1.2%	5,481	4,820	-661	-12.1%
2.5%	4,824	4,435	-389	-8.1%
3.7%	4,592	4,415	-177	-3.9%
4.9%	4,294	4,335	41	1.0%
6.2%	4,289	4,276	-13	-0.3%
7.4%	4,165	4,222	57	1.4%
8.6%	4,163	4,185	22	0.5%
9.9%	4,025	4,153	128	3.2%
11.1%	3,964	4,103	139	3.5%
12.3%	3,914	4,012	98	2.5%
13.6%	3,787	3,853	66	1.7%
14.8%	3,775	3,725	-50	-1.3%
16.0%	3,709	3,667	-42	-1.1%
17.3%	3,678	3,663	-16	-0.4%
18.5%	3,674	3,559	-115	-3.1%
19.8%	3,647	3,514	-133	-3.6%
21.0%	3,633	3,482	-151	-4.2%
22.2%	3,548	3,465	-83	-2.3%
23.5%	3,493	3,396	-97	-2.8%
24.7%	3,456	3,341	-115	-3.3%
25.9%	3,441	3,217	-224	-6.5%
27.2%	3,426	3,192	-234	-6.8%
28.4%	3,381	3,152	-230	-6.8%
29.6%	3,312	3,034	-277	-8.4%
30.9%	3,255	2,958	-296	-9.1%
32.1%	3,243	2,713	-529	-16.3%
33.3%	3,233	2,701	-532	-16.4%
34.6%	3,232	2,516	-716	-22.2%
35.8%	3,205	2,501	-704	-22.0%
37.0%	3,201	2,490	-712	-22.2%
38.3%	3,148	2,456	-692	-22.0%
39.5%	3,132	2,447	-685	-21.9%
40.7%	3,096	2,428	-668	-21.6%
42.0%	3,057	2,421	-636	-20.8%
43.2%	3,055	2,417	-638	-20.9%
44.4%	2,973	2,415	-557	-18.8%
45.7%	2,970	2,368	-602	-20.3%
46.9%	2,969	2,160	-809	-27.2%
48.1%	2,945	2,139	-806	-27.4%
49.4%	2,919	2,136	-784	-26.8%
50.6%	2,904	2,113	-790	-27.2%
51.9%	2,792	2,043	-749	-26.8%
53.1%	2,787	2,000	-787	-28.2%
54.3%	2,786	2,000	-786	-28.2%
55.6%	2,776	2,000	-776	-28.0%
56.8%	2,736	2,000	-736	-26.9%
58.0%	2,699	2,000	-699	-25.9%
59.3%	2,659	2,000	-659	-24.8%
60.5%	2,638	2,000	-638	-24.2%
61.7%	2,530	2,000	-530	-21.0%
63.0%	2,514	2,000	-514	-20.4%
64.2%	2,449	2,000	-449	-18.3%
65.4%	2,439	2,000	-439	-18.0%
66.7%	2,337	1,999	-338	-14.5%
67.9%	2,282	1,981	-301	-13.2%
69.1%	2,281	1,958	-323	-14.1%
70.4%	2,242	1,954	-288	-12.8%
71.6%	2,220	1,937	-283	-12.8%
72.8%	2,120	1,936	-184	-8.7%
74.1%	2,023	1,927	-96	-4.8%
75.3%	1,932	1,919	-13	-0.6%
76.5%	1,891	1,889	-3	-0.1%
77.8%	1,865	1,885	21	1.1%
79.0%	1,864	1,854	-10	-0.5%
80.2%	1,836	1,836	0	0.0%
81.5%	1,833	1,754	-79	-4.3%
82.7%	1,759	1,735	-24	-1.4%
84.0%	1,665	1,724	59	3.6%
85.2%	1,540	1,705	164	10.7%
86.4%	1,499	1,702	203	13.6%
87.7%	1,213	1,495	282	23.3%
88.9%	1,121	1,483	361	32.2%
90.1%	1,000	1,459	459	45.9%
91.4%	1,000	1,374	374	37.4%
92.6%	1,000	1,223	223	22.3%
93.8%	1,000	1,121	121	12.1%
95.1%	1,000	1,104	104	10.4%
96.3%	1,000	1,086	86	8.6%
97.5%	1,000	939	-61	-6.1%
98.8%	1,000	926	-74	-7.4%
100.0%	750	800	50	6.7%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,000	9,877	-123	-1.2%
1.2%	10,000	9,843	-157	-1.6%
2.5%	10,000	9,817	-183	-1.8%
3.7%	9,886	9,736	-150	-1.5%
4.9%	9,838	9,569	-269	-2.7%
6.2%	9,736	9,423	-313	-3.2%
7.4%	9,728	9,304	-424	-4.4%
8.6%	9,725	9,276	-449	-4.6%
9.9%	9,724	9,209	-515	-5.3%
11.1%	9,528	9,101	-427	-4.5%
12.3%	9,497	9,083	-413	-4.4%
13.6%	9,446	8,961	-485	-5.1%
14.8%	9,376	8,958	-418	-4.5%
16.0%	9,349	8,879	-470	-5.0%
17.3%	9,335	8,805	-530	-5.7%
18.5%	9,333	8,796	-537	-5.8%
19.8%	9,312	8,748	-564	-6.1%
21.0%	9,237	8,679	-558	-6.0%
22.2%	9,188	8,643	-545	-5.9%
23.5%	9,182	8,636	-546	-5.9%
24.7%	9,180	8,606	-574	-6.3%
25.9%	9,092	8,479	-613	-6.7%
27.2%	9,079	8,475	-605	-6.7%
28.4%	9,078	8,471	-607	-6.7%
29.6%	9,055	8,357	-698	-7.7%
30.9%	9,007	8,352	-655	-7.3%
32.1%	8,988	8,344	-643	-7.2%
33.3%	8,987	8,340	-647	-7.2%
34.6%	8,967	8,329	-638	-7.1%
35.8%	8,962	8,255	-707	-7.9%
37.0%	8,907	8,156	-751	-8.4%
38.3%	8,851	8,143	-708	-8.0%
39.5%	8,792	8,088	-704	-8.0%
40.7%	8,738	8,023	-715	-8.2%
42.0%	8,707	7,988	-718	-8.3%
43.2%	8,669	7,931	-738	-8.5%
44.4%	8,658	7,928	-730	-8.4%
45.7%	8,606	7,838	-768	-8.9%
46.9%	8,604	7,816	-788	-9.2%
48.1%	8,593	7,805	-789	-9.2%
49.4%	8,585	7,804	-781	-9.1%
50.6%	8,585	7,768	-817	-9.5%
51.9%	8,563	7,695	-867	-10.1%
53.1%	8,559	7,677	-883	-10.3%
54.3%	8,533	7,656	-877	-10.3%
55.6%	8,502	7,615	-887	-10.4%
56.8%	8,472	7,604	-868	-10.2%
58.0%	8,430	7,594	-836	-9.9%
59.3%	8,403	7,577	-827	-9.8%
60.5%	8,379	7,554	-825	-9.8%
61.7%	8,354	7,539	-814	-9.7%
63.0%	8,322	7,469	-853	-10.2%
64.2%	8,317	7,460	-856	-10.3%
65.4%	8,262	7,459	-803	-9.7%
66.7%	8,180	7,415	-765	-9.4%
67.9%	8,160	7,359	-801	-9.8%
69.1%	8,067	7,336	-731	-9.1%
70.4%	8,060	7,056	-1,003	-12.4%
71.6%	7,843	7,026	-818	-10.4%
72.8%	7,133	6,996	-136	-1.9%
74.1%	6,667	6,964	297	4.5%
75.3%	6,567	6,774	207	3.2%
76.5%	6,126	6,745	619	10.1%
77.8%	5,957	6,638	681	11.4%
79.0%	5,132	6,522	1,390	27.1%
80.2%	5,010	6,273	1,263	25.2%
81.5%	4,739	6,252	1,514	31.9%
82.7%	4,131	5,961	1,830	44.3%
84.0%	3,514	5,822	2,308	65.7%
85.2%	3,468	5,406	1,938	55.9%
86.4%	3,198	3,956	758	23.7%
87.7%	2,623	3,731	1,108	42.2%
88.9%	2,569	2,697	128	5.0%
90.1%	2,352	2,687	335	14.2%
91.4%	2,289	2,516	227	9.9%
92.6%	2,269	2,400	131	5.8%
93.8%	2,210	2,026	-184	-8.3%
95.1%	2,017	1,943	-74	-3.7%
96.3%	1,644	1,612	-32	-2.0%
97.5%	1,488	1,470	-18	-1.2%
98.8%	1,431	1,322	-109	-7.6%
100.0%	1,000	1,090	90	9.0%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,418	8,254	-164	-1.9%
1.2%	8,104	8,003	-101	-1.2%
2.5%	8,002	7,906	-96	-1.2%
3.7%	7,814	7,852	38	0.5%
4.9%	7,800	7,786	-14	-0.2%
6.2%	7,795	7,706	-89	-1.1%
7.4%	7,795	7,692	-103	-1.3%
8.6%	7,763	7,681	-81	-1.0%
9.9%	7,731	7,681	-50	-0.6%
11.1%	7,721	7,676	-45	-0.6%
12.3%	7,716	7,635	-81	-1.0%
13.6%	7,690	7,564	-126	-1.6%
14.8%	7,686	7,535	-151	-2.0%
16.0%	7,639	7,501	-139	-1.8%
17.3%	7,600	7,444	-156	-2.0%
18.5%	7,594	7,400	-194	-2.6%
19.8%	7,592	7,353	-239	-3.1%
21.0%	7,579	7,337	-242	-3.2%
22.2%	7,527	7,241	-287	-3.8%
23.5%	7,452	7,151	-301	-4.0%
24.7%	7,346	7,112	-234	-3.2%
25.9%	7,301	7,105	-196	-2.7%
27.2%	7,259	6,840	-419	-5.8%
28.4%	7,235	6,792	-443	-6.1%
29.6%	7,205	6,745	-459	-6.4%
30.9%	7,193	6,745	-448	-6.2%
32.1%	7,192	6,715	-477	-6.6%
33.3%	7,107	6,569	-538	-7.6%
34.6%	7,058	6,545	-514	-7.3%
35.8%	7,013	6,397	-616	-8.8%
37.0%	7,000	6,385	-616	-8.8%
38.3%	6,986	6,328	-658	-9.4%
39.5%	6,963	6,212	-751	-10.8%
40.7%	6,914	6,159	-754	-10.9%
42.0%	6,679	5,941	-739	-11.1%
43.2%	6,497	5,877	-620	-9.5%
44.4%	6,466	5,856	-610	-9.4%
45.7%	6,243	5,840	-403	-6.5%
46.9%	6,139	5,662	-477	-7.8%
48.1%	6,099	5,597	-502	-8.2%
49.4%	6,071	5,526	-545	-9.0%
50.6%	6,055	5,491	-564	-9.3%
51.9%	5,971	5,466	-505	-8.5%
53.1%	5,932	5,252	-680	-11.5%
54.3%	5,794	5,231	-563	-9.7%
55.6%	5,586	5,122	-464	-8.3%
56.8%	5,394	5,115	-279	-5.2%
58.0%	5,206	5,057	-149	-2.9%
59.3%	4,841	4,974	133	2.8%
60.5%	4,726	4,955	229	4.8%
61.7%	4,509	4,867	358	7.9%
63.0%	4,462	4,796	335	7.5%
64.2%	4,449	4,283	-167	-3.7%
65.4%	4,397	4,200	-198	-4.5%
66.7%	4,213	3,852	-362	-8.6%
67.9%	3,826	3,431	-395	-10.3%
69.1%	3,350	3,205	-146	-4.3%
70.4%	2,992	3,136	144	4.8%
71.6%	2,796	3,092	296	10.6%
72.8%	2,542	2,995	452	17.8%
74.1%	2,538	2,968	430	16.9%
75.3%	2,248	2,898	651	28.9%
76.5%	2,122	2,735	612	28.9%
77.8%	2,120	2,607	487	23.0%
79.0%	2,093	2,500	407	19.4%
80.2%	2,092	2,500	408	19.5%
81.5%	1,992	1,893	-99	-5.0%
82.7%	1,940	1,662	-278	-14.3%
84.0%	1,684	1,661	-23	-1.4%
85.2%	1,652	1,469	-184	-11.1%
86.4%	1,606	1,328	-278	-17.3%
87.7%	1,582	1,232	-350	-22.1%
88.9%	1,484	1,177	-307	-20.7%
90.1%	1,369	1,104	-265	-19.3%
91.4%	1,335	1,100	-235	-17.6%
92.6%	1,276	1,090	-186	-14.6%
93.8%	1,092	1,088	-4	-0.4%
95.1%	1,069	1,000	-69	-6.5%
96.3%	1,000	1,000	0	0.0%
97.5%	1,000	1,000	0	0.0%
98.8%	990	912	-77	-7.8%
100.0%	973	905	-69	-7.0%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,000	10,000	0	0.0%
1.2%	9,433	9,573	140	1.5%
2.5%	9,375	9,277	-98	-1.0%
3.7%	9,364	9,184	-180	-1.9%
4.9%	9,302	9,152	-150	-1.6%
6.2%	9,267	9,125	-142	-1.5%
7.4%	9,138	9,124	-15	-0.2%
8.6%	9,106	9,093	-13	-0.1%
9.9%	8,900	8,984	84	0.9%
11.1%	8,708	8,535	-174	-2.0%
12.3%	8,668	8,469	-199	-2.3%
13.6%	8,653	8,320	-333	-3.8%
14.8%	8,404	8,168	-235	-2.8%
16.0%	8,147	7,957	-190	-2.3%
17.3%	8,019	7,947	-72	-0.9%
18.5%	7,889	7,858	-31	-0.4%
19.8%	7,686	7,654	-32	-0.4%
21.0%	7,607	7,638	31	0.4%
22.2%	7,504	7,570	66	0.9%
23.5%	7,080	7,324	244	3.4%
24.7%	6,941	7,105	164	2.4%
25.9%	6,863	6,938	75	1.1%
27.2%	6,634	6,830	196	3.0%
28.4%	6,334	6,338	4	0.1%
29.6%	6,101	6,315	214	3.5%
30.9%	5,957	5,725	-232	-3.9%
32.1%	5,900	5,646	-254	-4.3%
33.3%	5,695	5,643	-53	-0.9%
34.6%	5,628	5,478	-150	-2.7%
35.8%	5,506	5,156	-350	-6.4%
37.0%	5,333	5,136	-196	-3.7%
38.3%	5,252	5,065	-187	-3.6%
39.5%	5,218	4,963	-255	-4.9%
40.7%	5,140	4,845	-295	-5.7%
42.0%	5,052	4,465	-588	-11.6%
43.2%	4,778	4,391	-387	-8.1%
44.4%	4,363	4,246	-117	-2.7%
45.7%	4,362	4,221	-141	-3.2%
46.9%	4,294	4,145	-149	-3.5%
48.1%	4,250	4,125	-125	-2.9%
49.4%	4,233	4,071	-162	-3.8%
50.6%	4,223	3,812	-411	-9.7%
51.9%	3,878	3,782	-96	-2.5%
53.1%	3,860	3,779	-82	-2.1%
54.3%	3,797	3,461	-336	-8.8%
55.6%	3,697	3,338	-359	-9.7%
56.8%	3,331	3,283	-47	-1.4%
58.0%	2,876	3,268	392	13.6%
59.3%	2,708	3,205	497	18.3%
60.5%	2,294	3,124	831	36.2%
61.7%	2,268	3,109	842	37.1%
63.0%	2,130	3,080	950	44.6%
64.2%	2,049	3,038	989	48.3%
65.4%	2,022	2,772	749	37.1%
66.7%	1,958	2,587	629	32.1%
67.9%	1,945	2,374	429	22.0%
69.1%	1,883	2,315	432	22.9%
70.4%	1,728	2,107	379	21.9%
71.6%	1,720	1,934	214	12.5%
72.8%	1,609	1,785	176	10.9%
74.1%	1,587	1,778	191	12.0%
75.3%	1,492	1,774	282	18.9%
76.5%	1,476	1,765	289	19.6%
77.8%	1,458	1,725	267	18.3%
79.0%	1,303	1,721	418	32.1%
80.2%	1,270	1,719	448	35.3%
81.5%	1,270	1,709	439	34.6%
82.7%	1,230	1,699	469	38.1%
84.0%	1,205	1,698	493	41.0%
85.2%	1,156	1,604	448	38.7%
86.4%	1,149	1,556	407	35.5%
87.7%	1,066	1,490	424	39.7%
88.9%	1,056	1,487	431	40.8%
90.1%	1,000	1,352	352	35.2%
91.4%	1,000	1,323	323	32.3%
92.6%	1,000	1,258	258	25.8%
93.8%	1,000	1,077	77	7.7%
95.1%	1,000	1,056	56	5.6%
96.3%	1,000	1,000	0	0.0%
97.5%	907	1,000	93	10.3%
98.8%	881	1,000	119	13.5%
100.0%	773	800	27	3.4%

Figure SW-23-b
Feather River at Mouth, Monthly Flow
Probability of Exceedance

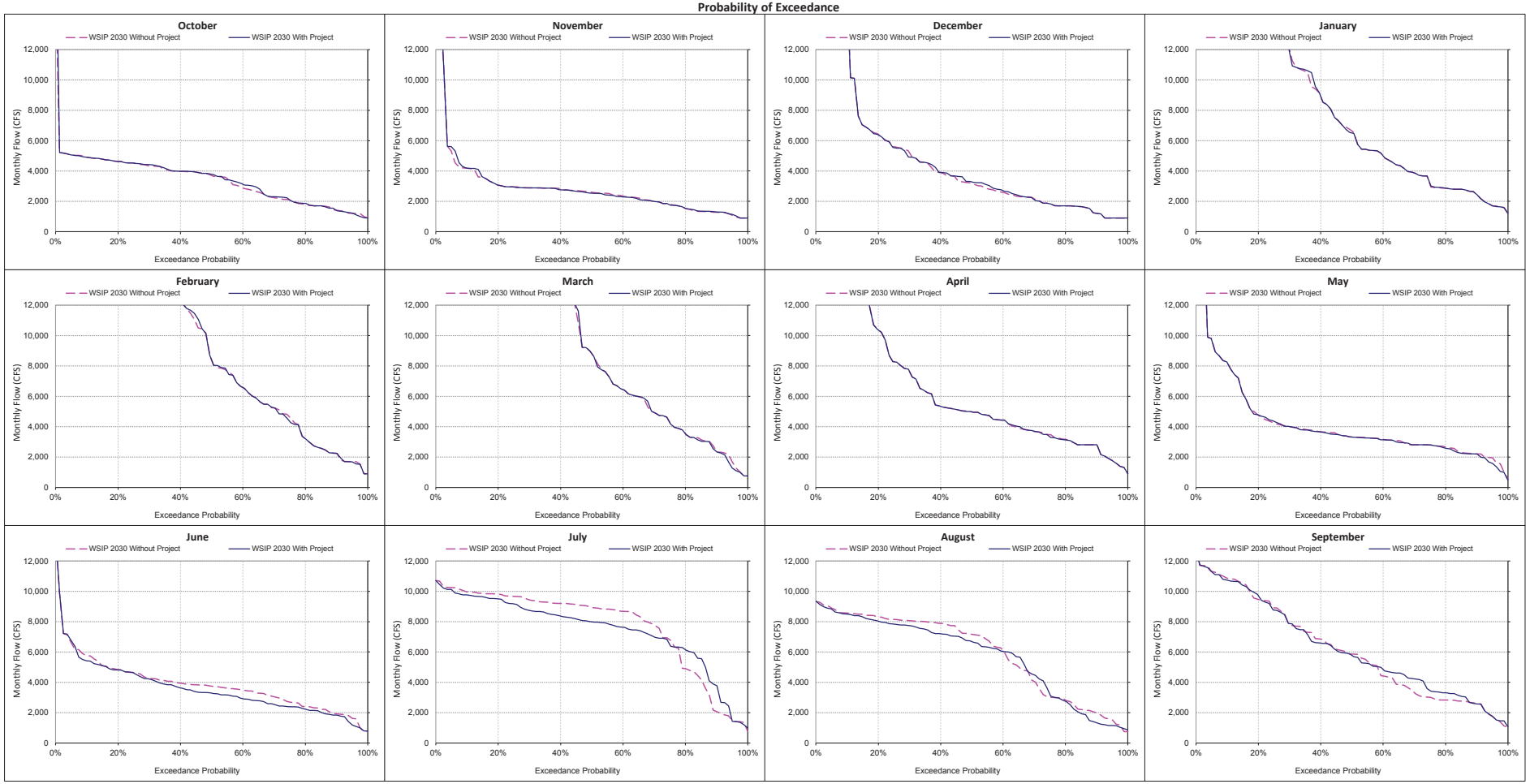


Table SW-23-b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,797	21,708	4,911	29.2%
1.2%	5,213	5,214	1	0.0%
2.5%	5,182	5,178	-3	-0.1%
3.7%	5,127	5,127	0	0.0%
4.9%	5,063	5,059	-4	-0.1%
6.2%	5,033	5,032	-2	0.0%
7.4%	5,031	5,007	-24	-0.5%
8.6%	5,003	4,941	-62	-1.2%
9.9%	4,912	4,914	2	0.0%
11.1%	4,870	4,868	-2	0.0%
12.3%	4,845	4,844	-1	0.0%
13.6%	4,831	4,835	4	0.1%
14.8%	4,789	4,783	-6	-0.1%
16.0%	4,734	4,733	0	0.0%
17.3%	4,721	4,723	2	0.1%
18.5%	4,657	4,663	5	0.1%
19.8%	4,637	4,634	-3	-0.1%
21.0%	4,634	4,622	-12	-0.3%
22.2%	4,537	4,538	1	0.0%
23.5%	4,534	4,535	1	0.0%
24.7%	4,532	4,533	1	0.0%
25.9%	4,481	4,498	17	0.4%
27.2%	4,428	4,482	53	1.2%
28.4%	4,418	4,431	12	0.3%
29.6%	4,351	4,421	70	1.6%
30.9%	4,345	4,405	60	1.4%
32.1%	4,310	4,352	42	1.0%
33.3%	4,297	4,299	1	0.0%
34.6%	4,121	4,220	99	2.4%
35.8%	4,071	4,126	55	1.4%
37.0%	4,008	4,008	0	0.0%
38.3%	3,981	3,991	10	0.3%
39.5%	3,977	3,983	6	0.1%
40.7%	3,977	3,979	3	0.1%
42.0%	3,959	3,978	19	0.5%
43.2%	3,959	3,961	2	0.1%
44.4%	3,952	3,950	-1	0.0%
45.7%	3,899	3,891	-7	-0.2%
46.9%	3,844	3,847	2	0.1%
48.1%	3,842	3,846	5	0.1%
49.4%	3,759	3,804	45	1.2%
50.6%	3,645	3,758	113	3.1%
51.9%	3,641	3,646	5	0.1%
53.1%	3,622	3,637	15	0.4%
54.3%	3,584	3,418	-165	-4.6%
55.6%	3,417	3,417	0	0.0%
56.8%	3,099	3,341	242	7.8%
58.0%	3,054	3,286	232	7.6%
59.3%	2,956	3,196	240	8.1%
60.5%	2,838	3,080	242	8.5%
61.7%	2,796	3,054	258	9.2%
63.0%	2,727	3,030	303	11.1%
64.2%	2,648	2,949	301	11.4%
65.4%	2,587	2,798	211	8.1%
66.7%	2,475	2,478	3	0.1%
67.9%	2,311	2,336	25	1.1%
69.1%	2,270	2,310	39	1.7%
70.4%	2,225	2,306	81	3.7%
71.6%	2,205	2,278	74	3.3%
72.8%	2,131	2,267	137	6.4%
74.1%	2,120	2,227	107	5.0%
75.3%	2,063	2,052	-11	-0.5%
76.5%	2,001	1,924	-77	-3.8%
77.8%	1,854	1,897	43	2.3%
79.0%	1,831	1,870	38	2.1%
80.2%	1,765	1,856	91	5.1%
81.5%	1,733	1,743	11	0.6%
82.7%	1,705	1,708	2	0.1%
84.0%	1,700	1,700	0	0.0%
85.2%	1,700	1,700	0	0.0%
86.4%	1,678	1,629	-49	-2.9%
87.7%	1,627	1,552	-75	-4.6%
88.9%	1,441	1,542	101	7.0%
90.1%	1,410	1,372	-38	-2.7%
91.4%	1,367	1,349	-18	-1.3%
92.6%	1,348	1,311	-37	-2.7%
93.8%	1,226	1,265	39	3.2%
95.1%	1,204	1,231	27	2.3%
96.3%	1,200	1,111	-89	-7.4%
97.5%	1,200	1,000	-200	-16.7%
98.8%	999	913	-86	-8.6%
100.0%	900	900	0	0.0%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,883	18,200	-1,684	-8.5%
1.2%	14,252	17,171	2,919	20.5%
2.5%	11,220	11,218	-2	0.0%
3.7%	5,633	5,633	0	0.0%
4.9%	5,317	5,608	291	5.5%
6.2%	4,545	5,317	773	17.0%
7.4%	4,277	4,545	268	6.3%
8.6%	4,206	4,281	75	1.8%
9.9%	4,182	4,181	-2	0.0%
11.1%	4,162	4,176	14	0.3%
12.3%	4,095	4,161	66	1.6%
13.6%	3,616	4,095	479	13.3%
14.8%	3,583	3,616	33	0.9%
16.0%	3,496	3,496	0	0.0%
17.3%	3,322	3,329	6	0.2%
18.5%	3,209	3,214	5	0.2%
19.8%	3,077	3,078	1	0.0%
21.0%	3,027	3,027	0	0.0%
22.2%	2,965	2,968	3	0.1%
23.5%	2,963	2,962	0	0.0%
24.7%	2,958	2,956	-3	-0.1%
25.9%	2,955	2,910	-45	-1.5%
27.2%	2,912	2,908	-4	-0.1%
28.4%	2,906	2,890	-16	-0.6%
29.6%	2,889	2,889	0	0.0%
30.9%	2,888	2,884	-4	-0.2%
32.1%	2,883	2,880	-3	-0.1%
33.3%	2,881	2,877	-4	-0.1%
34.6%	2,876	2,875	-1	0.0%
35.8%	2,875	2,874	0	0.0%
37.0%	2,874	2,867	-7	-0.2%
38.3%	2,868	2,853	-15	-0.5%
39.5%	2,852	2,764	-88	-3.1%
40.7%	2,762	2,754	-7	-0.3%
42.0%	2,745	2,746	1	0.1%
43.2%	2,729	2,719	-10	-0.4%
44.4%	2,715	2,672	-43	-1.6%
45.7%	2,702	2,652	-50	-1.8%
46.9%	2,671	2,627	-44	-1.6%
48.1%	2,648	2,579	-69	-2.6%
49.4%	2,626	2,537	-89	-3.4%
50.6%	2,578	2,531	-47	-1.8%
51.9%	2,551	2,519	-32	-1.3%
53.1%	2,535	2,511	-24	-0.9%
54.3%	2,530	2,417	-113	-4.5%
55.6%	2,511	2,411	-100	-4.0%
56.8%	2,414	2,395	-19	-0.8%
58.0%	2,409	2,313	-97	-4.0%
59.3%	2,393	2,306	-87	-3.6%
60.5%	2,313	2,294	-19	-0.8%
61.7%	2,300	2,268	-32	-1.4%
63.0%	2,274	2,248	-26	-1.1%
64.2%	2,247	2,202	-45	-2.0%
65.4%	2,202	2,103	-99	-4.5%
66.7%	2,103	2,081	-22	-1.0%
67.9%	2,086	2,065	-21	-1.0%
69.1%	2,023	2,022	-1	-0.1%
70.4%	1,978	1,984	6	0.3%
71.6%	1,956	1,957	1	0.0%
72.8%	1,851	1,857	6	0.3%
74.1%	1,849	1,856	7	0.4%
75.3%	1,800	1,743	-56	-3.1%
76.5%	1,729	1,730	1	0.0%
77.8%	1,700	1,700	0	0.0%
79.0%	1,631	1,636	5	0.3%
80.2%	1,514	1,516	3	0.2%
81.5%	1,475	1,477	2	0.1%
82.7%	1,361	1,450	88	6.5%
84.0%	1,342	1,367	25	1.9%
85.2%	1,337	1,351	14	1.0%
86.4%	1,332	1,339	8	0.6%
87.7%	1,324	1,337	13	1.0%
88.9%	1,286	1,326	40	3.1%
90.1%	1,281	1,287	6	0.5%
91.4%	1,260	1,287	28	2.2%
92.6%	1,251	1,282	30	2.4%
93.8%	1,199	1,172	-28	-2.3%
95.1%	1,066	1,134	68	6.4%
96.3%	968	1,043	76	7.8%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	51,398	51,408	11	0.0%
1.2%	42,304	44,903	2,599	6.1%
2.5%	33,181	36,602	3,421	10.3%
3.7%	31,106	31,090	-16	-0.1%
4.9%	20,562	22,676	2,114	10.3%
6.2%	20,219	19,135	-1,083	-5.4%
7.4%	18,382	17,852	-530	-2.9%
8.6%	17,653	17,297	-356	-2.0%
9.9%	16,394	16,396	1	0.0%
11.1%	10,147	10,148	1	0.0%
12.3%	10,108	10,109	1	0.0%
13.6%	7,621	7,623	2	0.0%
14.8%	7,045	7,044	-1	0.0%
16.0%	6,895	6,895	0	0.0%
17.3%	6,716	6,723	7	0.1%
18.5%	6,533	6,459	-74	-1.1%
19.8%	6,457	6,415	-42	-0.6%
21.0%	6,252	6,258	6	0.1%
22.2%	6,005	6,035	30	0.5%
23.5%	5,948	5,922	-27	-0.5%
24.7%	5,611	5,564	-48	-0.8%
25.9%	5,563	5,512	-51	-0.9%
27.2%	5,512	5,509	-3	0.0%
28.4%	5,434	5,328	-106	-1.9%
29.6%	5,328	4,919	-410	-7.7%
30.9%	4,911	4,906	-5	-0.1%
32.1%	4,839	4,843	4	0.1%
33.3%	4,606	4,577	-29	-0.6%
34.6%	4,569	4,573	5	0.1%
35.8%	4,528	4,530	2	0.0%
37.0%	4,231	4,428	198	4.7%
38.3%	3,943	4,234	291	7.4%
39.5%	3,903	3,921	18	0.5%
40.7%	3,862	3,904	42	1.1%
42.0%	3,682	3,861	179	4.9%
43.2%	3,676	3,682	6	0.2%
44.4%	3,642	3,677	35	0.9%
45.7%	3,304	3,643	339	10.3%
46.9%	3,290	3,614	324	9.8%
48.1%	3,243	3,314	71	2.2%
49.4%	3,222	3,309	87	2.7%
50.6%	3,132	3,243	111	3.5%
51.9%	3,032	3,231	199	6.6%
53.1%	3,011	3,222	212	7.0%
54.3%	2,862	3,131	269	9.4%
55.6%	2,799	3,034	235	8.4%
56.8%	2,755	2,863	108	3.9%
58.0%	2,664	2,800	136	5.1%
59.3%	2,617	2,759	142	5.4%
60.5%	2,566	2,666	100	3.9%
61.7%	2,465	2,630	164	6.7%
63.0%	2,436	2,511	75	3.1%
64.2%	2,345	2,437	92	3.9%
65.4%	2,305	2,352	47	2.0%
66.7%	2,304	2,304	0	0.0%
67.9%	2,290	2,270	-20	-0.9%
69.1%	2,269	2,260	-9	-0.4%
70.4%	2,122	2,054	-69	-3.2%
71.6%	2,052	2,013	-39	-1.9%
72.8%	1,882	1,883	1	0.0%
74.1%	1,882	1,882	0	0.0%
75.3%	1,820	1,824	4	0.2%
76.5%	1,700	1,722	22	1.3%
77.8%	1,700	1,700	0	0.0%
79.0%	1,700	1,700	0	0.0%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,700	0	0.0%
82.7%	1,683	1,682	-1	-0.1%
84.0%	1,661	1,663	1	0.1%
85.2%	1,644	1,649	5	0.3%
86.4%	1,588	1,593	5	0.3%
87.7%	1,528	1,530	2	0.2%
88.9%	1,242	1,246	4	0.3%
90.1%	1,200	1,200	0	0.0%
91.4%	1,163	1,169	6	0.5%
92.6%	900	907	7	0.8%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	100,678	100,681	3	0.0%
1.2%	67,683	61,862	-5,821	-8.6%
2.5%	50,129	50,147	18	0.0%
3.7%	44,419	44,401	-18	0.0%
4.9%	41,123	43,264	2,141	5.2%
6.2%	40,986	40,988	2	0.0%
7.4%	35,760	35,762	2	0.0%
8.6%	34,879	35,752	873	2.5%
9.9%	29,619	31,091	1,473	5.0%
11.1%	26,866	27,472	605	2.3%
12.3%	25,153	25,262	109	0.4%
13.6%	25,123	25,141	18	0.1%
14.8%	22,956	24,414	1,458	6.3%
16.0%	22,305	22,305	0	0.0%
17.3%	20,062	20,058	-4	0.0%
18.5%	18,503	19,194	691	3.7%
19.8%	17,745	18,788	1,043	5.9%
21.0%	17,220	18,506	1,286	7.5%
22.2%	16,861	17,747	886	5.3%
23.5%	16,226	16,409	183	1.1%
24.7%	15,487	14,923	-563	-3.6%
25.9%	14,410	14,397	-12	-0.1%
27.2%	12,546	12,548	2	0.0%
28.4%	12,386	12,388	3	0.0%
29.6%	12,333	12,203	-129	-1.0%
30.9%	11,279	10,929	-349	-3.1%
32.1%	10,835	10,835	0	0.0%
33.3%	10,716	10,751	34	0.3%
34.6%	10,615	10,717	102	1.0%
35.8%	10,492	10,615	123	1.2%
37.0%	9,565	10,490	925	9.7%
38.3%	9,412	9,566	154	1.6%
39.5%	9,164	9,165	1	0.0%
40.7%	8,528	8,528	0	0.0%
42.0%	8,389	8,389	0	0.0%
43.2%	8,075	8,077	1	0.0%
44.4%	7,529	7,531	2	0.0%
45.7%	7,314	7,298	-16	-0.2%
46.9%	7,006	7,008	2	0.0%
48.1%	6,889	6,737	-152	-2.2%
49.4%	6,734	6,532	-202	-3.0%
50.6%	6,532	6,483	-49	-0.7%
51.9%	5,740	5,741	1	0.0%
53.1%	5,434	5,433	-1	0.0%
54.3%	5,431	5,433	2	0.0%
55.6%	5,363	5,369	6	0.1%
56.8%	5,343	5,344	0	0.0%
58.0%	5,335	5,336	1	0.0%
59.3%	5,181	5,184	3	0.1%
60.5%	4,840	4,877	38	0.8%
61.7%	4,723	4,712	-10	-0.2%
63.0%	4,580	4,579	-1	0.0%
64.2%	4,406	4,408	2	0.1%
65.4%	4,352	4,353	1	0.0%
66.7%	4,178	4,175	-2	-0.1%
67.9%	3,961	3,961	0	0.0%
69.1%	3,932	3,932	1	0.0%
70.4%	3,846	3,850	4	0.1%
71.6%	3,706	3,707	1	0.0%
72.8%	3,674	3,680	6	0.2%
74.1%	3,673	3,675	2	0.1%
75.3%	2,941	3,001	60	2.0%
76.5%	2,913	2,943	30	1.0%
77.8%	2,906	2,914	8	0.3%
79.0%	2,872	2,908	36	1.3%
80.2%	2,861	2,873	12	0.4%
81.5%	2,814	2,816	2	0.1%
82.7%	2,798	2,800	1	0.1%
84.0%	2,794	2,798	4	0.2%
85.2%	2,792	2,798	5	0.2%
86.4%	2,745	2,747	2	0.1%
87.7%	2,669	2,670	1	0.0%
88.9%	2,645	2,646	1	0.0%
90.1%	2,419	2,419	0	0.0%
91.4%	2,169	2,170	1	0.1%
92.6%	1,966	1,968	1	0.1%
93.8%	1,835	1,836	1	0.1%
95.1%	1,700	1,700	0	0.0%
96.3%	1,686	1,660	-26	-1.5%
97.5%	1,654	1,641	-13	-0.8%
98.8%	1,592	1,586	-5	-0.3%
100.0%	1,200	1,200	0	0.0%

Table SW-23-b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	80,642	82,314	1,672	2.1%
1.2%	65,630	65,634	3	0.0%
2.5%	56,317	56,321	4	0.0%
3.7%	51,494	51,507	13	0.0%
4.9%	47,865	47,867	1	0.0%
6.2%	44,257	46,091	1,835	4.1%
7.4%	42,023	43,212	1,190	2.8%
8.6%	40,389	42,542	2,152	5.3%
9.9%	39,172	40,394	1,222	3.1%
11.1%	37,686	39,165	1,478	3.9%
12.3%	36,280	36,266	-13	0.0%
13.6%	36,018	36,013	-5	0.0%
14.8%	34,173	34,175	2	0.0%
16.0%	34,123	34,123	1	0.0%
17.3%	31,953	31,202	-751	-2.3%
18.5%	31,195	31,043	-151	-0.5%
19.8%	30,424	29,872	-552	-1.8%
21.0%	29,873	29,107	-766	-2.6%
22.2%	27,637	28,581	944	3.4%
23.5%	27,340	27,639	299	1.1%
24.7%	26,290	27,341	1,051	4.0%
25.9%	24,391	26,292	1,901	7.8%
27.2%	24,256	25,638	1,382	5.7%
28.4%	22,985	22,987	2	0.0%
29.6%	20,646	22,786	2,139	10.4%
30.9%	20,148	20,647	499	2.5%
32.1%	19,083	18,901	-182	-1.0%
33.3%	17,994	18,486	492	2.7%
34.6%	17,945	17,991	46	0.3%
35.8%	15,773	15,775	2	0.0%
37.0%	14,880	14,882	1	0.0%
38.3%	14,523	14,555	32	0.2%
39.5%	13,771	13,270	-501	-3.6%
40.7%	12,088	12,088	0	0.0%
42.0%	11,799	11,801	2	0.0%
43.2%	11,474	11,674	200	1.7%
44.4%	11,079	11,476	397	3.6%
45.7%	10,510	11,080	570	5.4%
46.9%	10,438	10,439	1	0.0%
48.1%	10,148	10,150	2	0.0%
49.4%	8,721	8,712	-9	-0.1%
50.6%	8,047	8,048	1	0.0%
51.9%	7,887	8,034	146	1.9%
53.1%	7,856	7,884	28	0.4%
54.3%	7,754	7,858	105	1.4%
55.6%	7,593	7,427	-166	-2.2%
56.8%	7,383	7,388	6	0.1%
58.0%	6,896	6,899	3	0.0%
59.3%	6,658	6,659	1	0.0%
60.5%	6,515	6,515	0	0.0%
61.7%	6,236	6,237	1	0.0%
63.0%	6,027	6,029	1	0.0%
64.2%	5,909	5,895	-14	-0.2%
65.4%	5,642	5,643	1	0.0%
66.7%	5,482	5,483	2	0.0%
67.9%	5,471	5,471	0	0.0%
69.1%	5,266	5,283	17	0.3%
70.4%	5,220	5,221	1	0.0%
71.6%	5,109	4,847	-262	-5.1%
72.8%	4,843	4,828	-15	-0.3%
74.1%	4,823	4,566	-257	-5.3%
75.3%	4,565	4,263	-302	-6.6%
76.5%	4,257	4,141	-116	-2.7%
77.8%	4,141	4,132	-9	-0.2%
79.0%	3,367	3,367	0	0.0%
80.2%	3,168	3,175	6	0.2%
81.5%	2,951	2,949	-2	-0.1%
82.7%	2,739	2,740	1	0.1%
84.0%	2,630	2,631	1	0.0%
85.2%	2,571	2,574	3	0.1%
86.4%	2,457	2,459	1	0.1%
87.7%	2,280	2,284	4	0.2%
88.9%	2,254	2,265	11	0.5%
90.1%	2,231	2,244	14	0.6%
91.4%	1,797	1,913	116	6.5%
92.6%	1,703	1,700	-3	-0.2%
93.8%	1,700	1,700	0	0.0%
95.1%	1,700	1,685	-15	-0.9%
96.3%	1,692	1,534	-158	-9.4%
97.5%	1,531	1,519	-13	-0.8%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	66,440	66,441	1	0.0%
1.2%	63,069	63,072	2	0.0%
2.5%	56,004	56,435	431	0.8%
3.7%	52,855	52,859	4	0.0%
4.9%	45,837	45,839	2	0.0%
6.2%	42,863	42,839	-24	-0.1%
7.4%	41,190	41,192	2	0.0%
8.6%	39,513	41,138	1,625	4.1%
9.9%	34,567	34,568	1	0.0%
11.1%	30,641	30,634	-7	0.0%
12.3%	29,476	29,477	1	0.0%
13.6%	28,650	28,651	1	0.0%
14.8%	27,496	27,491	-5	0.0%
16.0%	27,452	27,455	2	0.0%
17.3%	27,131	27,129	-2	0.0%
18.5%	26,215	26,230	14	0.1%
19.8%	25,781	25,768	-13	-0.1%
21.0%	25,767	25,291	-475	-1.8%
22.2%	24,952	24,200	-752	-3.0%
23.5%	21,473	21,475	1	0.0%
24.7%	20,819	20,821	2	0.0%
25.9%	20,244	20,244	0	0.0%
27.2%	20,082	20,083	2	0.0%
28.4%	20,064	20,051	-13	-0.1%
29.6%	19,777	19,777	0	0.0%
30.9%	19,272	19,272	0	0.0%
32.1%	18,139	18,733	593	3.3%
33.3%	17,451	17,434	-18	-0.1%
34.6%	15,839	15,840	0	0.0%
35.8%	15,232	15,233	1	0.0%
37.0%	15,048	14,386	-661	-4.4%
38.3%	14,261	13,963	-298	-2.1%
39.5%	13,854	13,853	-1	0.0%
40.7%	13,610	13,612	2	0.0%
42.0%	13,095	13,266	171	1.3%
43.2%	12,990	12,993	3	0.0%
44.4%	12,150	12,157	7	0.1%
45.7%	10,811	11,624	813	7.5%
46.9%	9,221	9,221	0	0.0%
48.1%	9,212	9,212	0	0.0%
49.4%	8,983	8,986	2	0.0%
50.6%	8,623	8,622	-2	0.0%
51.9%	8,148	7,936	-212	-2.6%
53.1%	7,802	7,753	-49	-0.6%
54.3%	7,624	7,621	-2	0.0%
55.6%	7,281	7,283	1	0.0%
56.8%	6,814	6,816	2	0.0%
58.0%	6,699	6,700	1	0.0%
59.3%	6,503	6,507	4	0.1%
60.5%	6,396	6,400	3	0.1%
61.7%	6,159	6,160	1	0.0%
63.0%	6,074	6,075	1	0.0%
64.2%	6,015	6,015	1	0.0%
65.4%	5,950	5,969	19	0.3%
66.7%	5,889	5,891	2	0.0%
67.9%	5,314	5,682	368	6.9%
69.1%	5,018	5,019	1	0.0%
70.4%	4,888	4,891	3	0.1%
71.6%	4,738	4,739	2	0.0%
72.8%	4,731	4,732	1	0.0%
74.1%	4,625	4,627	2	0.0%
75.3%	4,165	4,167	2	0.0%
76.5%	3,952	3,953	1	0.0%
77.8%	3,883	3,884	1	0.0%
79.0%	3,781	3,781	0	0.0%
80.2%	3,479	3,483	3	0.1%
81.5%	3,302	3,304	2	0.1%
82.7%	3,280	3,284	3	0.1%
84.0%	3,275	3,127	-148	-4.5%
85.2%	3,123	3,039	-83	-2.7%
86.4%	3,042	3,035	-7	-0.2%
87.7%	3,034	3,006	-28	-0.9%
88.9%	2,737	2,544	-193	-7.1%
90.1%	2,325	2,327	1	0.1%
91.4%	2,318	2,266	-52	-2.2%
92.6%	2,266	2,149	-117	-5.2%
93.8%	2,151	1,670	-481	-22.4%
95.1%	1,666	1,261	-405	-24.3%
96.3%	1,257	1,099	-158	-12.5%
97.5%	1,000	1,000	0	0.0%
98.8%	750	750	0	
100.0%	750	750	0	

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48,986	48,981	-4	0.0%
1.2%	36,503	36,504	1	0.0%
2.5%	30,952	30,950	-2	0.0%
3.7%	26,796	26,788	-8	0.0%
4.9%	24,749	24,743	-6	0.0%
6.2%	22,235	22,230	-5	0.0%
7.4%	20,646	20,642	-4	0.0%
8.6%	19,739	19,733	-7	0.0%
9.9%	17,936	17,933	-3	0.0%
11.1%	14,563	14,559	-4	0.0%
12.3%	14,198	14,195	-3	0.0%
13.6%	13,715	13,927	212	1.5%
14.8%	13,393	13,711	317	2.4%
16.0%	13,151	13,394	242	1.8%
17.3%	11,871	11,867	-5	0.0%
18.5%	10,715	10,707	-8	-0.1%
19.8%	10,416	10,404	-13	-0.1%
21.0%	10,226	10,219	-7	-0.1%
22.2%	9,707	9,702	-5	-0.1%
23.5%	8,702	8,702	0	0.0%
24.7%	8,297	8,290	-7	-0.1%
25.9%	8,257	8,255	-2	0.0%
27.2%	8,031	8,027	-4	0.0%
28.4%	7,838	7,839	1	0.0%
29.6%	7,770	7,781	11	0.1%
30.9%	7,269	7,275	6	0.1%
32.1%	7,143	7,144	1	0.0%
33.3%	6,526	6,536	10	0.2%
34.6%	6,395	6,399	4	0.1%
35.8%	6,243	6,232	-11	-0.2%
37.0%	6,169	6,170	1	0.0%
38.3%	5,428	5,429	2	0.0%
39.5%	5,375	5,376	2	0.0%
40.7%	5,296	5,297	1	0.0%
42.0%	5,249	5,245	-4	-0.1%
43.2%	5,196	5,197	1	0.0%
44.4%	5,148	5,150	3	0.0%
45.7%	5,092	5,094	2	0.0%
46.9%	5,057	5,035	-22	-0.4%
48.1%	5,035	4,998	-37	-0.7%
49.4%	4,998	4,998	0	0.0%
50.6%	4,948	4,950	2	0.0%
51.9%	4,943	4,944	1	0.0%
53.1%	4,810	4,809	0	0.0%
54.3%	4,779	4,781	2	0.0%
55.6%	4,714	4,735	21	0.4%
56.8%	4,485	4,486	1	0.0%
58.0%	4,450	4,461	11	0.2%
59.3%	4,438	4,440	1	0.0%
60.5%	4,432	4,433	1	0.0%
61.7%	4,185	4,188	4	0.1%
63.0%	4,033	4,112	79	2.0%
64.2%	3,991	4,036	44	1.1%
65.4%	3,876	3,995	118	3.1%
66.7%	3,821	3,822	0	0.0%
67.9%	3,790	3,765	-24	-0.6%
69.1%	3,684	3,757	73	2.0%
70.4%	3,681	3,685	4	0.1%
71.6%	3,636	3,641	4	0.1%
72.8%	3,621	3,492	-128	-3.5%
74.1%	3,491	3,468	-23	-0.7%
75.3%	3,467	3,286	-181	-5.2%
76.5%	3,281	3,276	-5	-0.2%
77.8%	3,248	3,186	-62	-1.9%
79.0%	3,184	3,154	-30	-0.9%
80.2%	3,160	3,120	-40	-1.3%
81.5%	3,060	3,075	15	0.5%
82.7%	2,936	2,938	2	0.1%
84.0%	2,800	2,800	0	0.0%
85.2%	2,800	2,800	0	0.0%
86.4%	2,800	2,800	0	0.0%
87.7%	2,800	2,800	0	0.0%
88.9%	2,800	2,800	0	0.0%
90.1%	2,800	2,800	0	0.0%
91.4%	2,162	2,163	1	0.1%
92.6%	2,054	2,056	2	0.1%
93.8%	1,905	1,909	5	0.2%
95.1%	1,769	1,740	-29	-1.6%
96.3%	1,580	1,578	-2	-0.1%
97.5%	1,381	1,382	2	0.1%
98.8%	1,303	1,311	8	0.6%
100.0%	894	896	3	0.3%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,682	22,675	-7	0.0%
1.2%	21,179	21,167	-12	-0.1%
2.5%	17,211	17,201	-11	-0.1%
3.7%	9,905	9,896	-9	-0.1%
4.9%	9,815	9,803	-12	-0.1%
6.2%	8,947	8,934	-14	-0.2%
7.4%	8,687	8,687	0	0.0%
8.6%	8,363	8,357	-6	-0.1%
9.9%	8,282	8,270	-11	-0.1%
11.1%	7,791	7,782	-9	-0.1%
12.3%	7,438	7,439	1	0.0%
13.6%	7,208	7,205	-3	0.0%
14.8%	6,266	6,261	-6	-0.1%
16.0%	5,810	5,807	-3	0.0%
17.3%	5,196	5,197	1	0.0%
18.5%	5,009	4,823	-185	-3.7%
19.8%	4,790	4,791	1	0.0%
21.0%	4,623	4,694	71	1.5%
22.2%	4,468	4,624	156	3.5%
23.5%	4,373	4,452	79	1.8%
24.7%	4,267	4,377	111	2.6%
25.9%	4,180	4,256	77	1.8%
27.2%	4,113	4,180	67	1.6%
28.4%	4,065	4,030	-35	-0.9%
29.6%	4,020	4,021	1	0.0%
30.9%	3,964	3,964	0	0.0%
32.1%	3,930	3,930	1	0.0%
33.3%	3,869	3,798	-70	-1.8%
34.6%	3,836	3,786	-50	-1.3%
35.8%	3,785	3,777	-8	-0.2%
37.0%	3,776	3,720	-56	-1.5%
38.3%	3,718	3,675	-43	-1.2%
39.5%	3,674	3,657	-17	-0.5%
40.7%	3,653	3,635	-18	-0.5%
42.0%	3,634	3,574	-60	-1.7%
43.2%	3,601	3,516	-86	-2.4%
44.4%	3,598	3,491	-107	-3.0%
45.7%	3,469	3,469	0	0.0%
46.9%	3,411	3,413	1	0.0%
48.1%	3,382	3,386	4	0.1%
49.4%	3,334	3,315	-19	-0.6%
50.6%	3,315	3,303	-13	-0.4%
51.9%	3,304	3,291	-12	-0.4%
53.1%	3,298	3,278	-20	-0.6%
54.3%	3,284	3,253	-31	-0.9%
55.6%	3,251	3,251	0	0.0%
56.8%	3,249	3,230	-19	-0.6%
58.0%	3,228	3,218	-10	-0.3%
59.3%	3,217	3,140	-77	-2.4%
60.5%	3,135	3,136	1	0.0%
61.7%	3,124	3,125	1	0.0%
63.0%	3,096	3,111	14	0.5%
64.2%	3,094	2,990	-104	-3.4%
65.4%	3,062	2,952	-111	-3.6%
66.7%	2,944	2,945	1	0.0%
67.9%	2,809	2,904	95	3.4%
69.1%	2,802	2,812	11	0.4%
70.4%	2,800	2,800	0	0.0%
71.6%	2,800	2,800	0	0.0%
72.8%	2,800	2,800	0	0.0%
74.1%	2,800	2,800	0	0.0%
75.3%	2,793	2,795	1	0.1%
76.5%	2,729	2,734	4	0.2%
77.8%	2,714	2,731	17	0.6%
79.0%	2,713	2,636	-77	-2.8%
80.2%	2,650	2,571	-79	-3.0%
81.5%	2,599	2,534	-65	-2.5%
82.7%	2,567	2,400	-168	-6.5%
84.0%	2,374	2,293	-81	-3.4%
85.2%	2,293	2,240	-53	-2.3%
86.4%	2,257	2,222	-34	-1.5%
87.7%	2,236	2,218	-19	-0.8%
88.9%	2,216	2,216	0	0.0%
90.1%	2,205	2,190	-14	-0.6%
91.4%	2,190	1,984	-207	-9.4%
92.6%	1,982	1,947	-35	-1.8%
93.8%	1,970	1,671	-299	-15.2%
95.1%	1,943	1,574	-370	-19.0%
96.3%	1,635	1,354	-282	-17.2%
97.5%	1,559	1,042	-518	-33.2%
98.8%	1,000	1,000	0	0.0%
100.0%	524	475	-49	-9.3%

Table SW-23-b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,714	13,702	-12	-0.1%
1.2%	9,912	9,900	-12	-0.1%
2.5%	7,217	7,208	-9	-0.1%
3.7%	7,136	7,180	45	0.6%
4.9%	6,633	6,763	130	2.0%
6.2%	6,179	6,383	205	3.3%
7.4%	6,149	5,655	-494	-8.0%
8.6%	5,889	5,499	-390	-6.6%
9.9%	5,763	5,425	-338	-5.9%
11.1%	5,733	5,401	-332	-5.8%
12.3%	5,540	5,225	-315	-5.7%
13.6%	5,382	5,181	-201	-3.7%
14.8%	5,096	5,117	21	0.4%
16.0%	5,064	5,036	-28	-0.6%
17.3%	4,952	4,880	-71	-1.4%
18.5%	4,904	4,823	-81	-1.7%
19.8%	4,845	4,815	-30	-0.6%
21.0%	4,831	4,796	-35	-0.7%
22.2%	4,692	4,706	14	0.3%
23.5%	4,661	4,683	22	0.5%
24.7%	4,646	4,647	1	0.0%
25.9%	4,633	4,506	-127	-2.7%
27.2%	4,539	4,372	-167	-3.7%
28.4%	4,354	4,252	-102	-2.3%
29.6%	4,258	4,233	-25	-0.6%
30.9%	4,246	4,165	-80	-1.9%
32.1%	4,231	4,069	-162	-3.8%
33.3%	4,138	3,963	-175	-4.2%
34.6%	4,135	3,886	-249	-6.0%
35.8%	4,068	3,845	-224	-5.5%
37.0%	4,068	3,842	-225	-5.5%
38.3%	3,994	3,732	-262	-6.5%
39.5%	3,952	3,658	-294	-7.5%
40.7%	3,923	3,602	-321	-8.2%
42.0%	3,884	3,520	-364	-9.4%
43.2%	3,853	3,508	-345	-9.0%
44.4%	3,841	3,399	-442	-11.5%
45.7%	3,832	3,349	-484	-12.6%
46.9%	3,827	3,328	-499	-13.0%
48.1%	3,809	3,323	-486	-12.8%
49.4%	3,765	3,316	-449	-11.9%
50.6%	3,728	3,261	-467	-12.5%
51.9%	3,710	3,236	-474	-12.8%
53.1%	3,668	3,173	-496	-13.5%
54.3%	3,635	3,172	-464	-12.8%
55.6%	3,586	3,153	-433	-12.1%
56.8%	3,581	3,093	-488	-13.6%
58.0%	3,557	3,070	-487	-13.7%
59.3%	3,518	2,957	-562	-16.0%
60.5%	3,472	2,908	-563	-16.2%
61.7%	3,431	2,878	-553	-16.1%
63.0%	3,428	2,817	-611	-17.8%
64.2%	3,297	2,796	-501	-15.2%
65.4%	3,283	2,788	-495	-15.1%
66.7%	3,265	2,725	-540	-16.6%
67.9%	3,142	2,600	-542	-17.2%
69.1%	3,091	2,589	-502	-16.2%
70.4%	3,026	2,530	-496	-16.4%
71.6%	2,973	2,434	-539	-18.1%
72.8%	2,876	2,430	-446	-15.5%
74.1%	2,745	2,397	-348	-12.7%
75.3%	2,681	2,390	-291	-10.9%
76.5%	2,672	2,382	-290	-10.9%
77.8%	2,629	2,365	-264	-10.0%
79.0%	2,410	2,291	-118	-4.9%
80.2%	2,395	2,214	-182	-7.6%
81.5%	2,386	2,144	-242	-10.2%
82.7%	2,321	2,140	-181	-7.8%
84.0%	2,304	2,134	-169	-7.3%
85.2%	2,217	2,007	-210	-9.5%
86.4%	2,215	1,925	-290	-13.1%
87.7%	2,061	1,886	-175	-8.5%
88.9%	1,931	1,840	-91	-4.7%
90.1%	1,924	1,839	-85	-4.4%
91.4%	1,889	1,768	-121	-6.4%
92.6%	1,877	1,730	-147	-7.8%
93.8%	1,810	1,418	-392	-21.7%
95.1%	1,623	1,193	-430	-26.5%
96.3%	1,594	1,091	-503	-31.5%
97.5%	1,000	1,000	0	0.0%
98.8%	759	800	41	5.4%
100.0%	750	800	50	6.7%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,710	10,702	-8	-0.1%
1.2%	10,675	10,457	-218	-2.0%
2.5%	10,288	10,215	-73	-0.7%
3.7%	10,259	10,133	-126	-1.2%
4.9%	10,244	10,131	-114	-1.1%
6.2%	10,237	9,881	-355	-3.5%
7.4%	10,144	9,843	-300	-3.0%
8.6%	10,062	9,774	-288	-2.9%
9.9%	9,967	9,766	-201	-2.0%
11.1%	9,945	9,737	-207	-2.1%
12.3%	9,938	9,682	-256	-2.6%
13.6%	9,881	9,658	-224	-2.3%
14.8%	9,870	9,652	-218	-2.2%
16.0%	9,843	9,599	-244	-2.5%
17.3%	9,838	9,531	-307	-3.1%
18.5%	9,837	9,523	-314	-3.2%
19.8%	9,822	9,516	-306	-3.1%
21.0%	9,788	9,476	-311	-3.2%
22.2%	9,698	9,263	-435	-4.5%
23.5%	9,683	9,195	-488	-5.0%
24.7%	9,672	9,189	-483	-5.0%
25.9%	9,657	9,139	-518	-5.4%
27.2%	9,645	8,944	-701	-7.3%
28.4%	9,558	8,829	-729	-7.6%
29.6%	9,457	8,758	-699	-7.4%
30.9%	9,395	8,702	-693	-7.4%
32.1%	9,383	8,673	-711	-7.6%
33.3%	9,306	8,670	-636	-6.8%
34.6%	9,296	8,633	-663	-7.1%
35.8%	9,283	8,527	-757	-8.2%
37.0%	9,228	8,487	-741	-8.0%
38.3%	9,212	8,449	-762	-8.3%
39.5%	9,206	8,405	-801	-8.7%
40.7%	9,199	8,327	-872	-9.5%
42.0%	9,195	8,302	-893	-9.7%
43.2%	9,163	8,259	-904	-9.9%
44.4%	9,144	8,203	-941	-10.3%
45.7%	9,084	8,146	-937	-10.3%
46.9%	9,073	8,078	-995	-11.0%
48.1%	9,046	8,060	-986	-10.9%
49.4%	8,983	8,004	-979	-10.9%
50.6%	8,909	7,973	-936	-10.5%
51.9%	8,896	7,966	-930	-10.5%
53.1%	8,846	7,936	-909	-10.3%
54.3%	8,828	7,909	-919	-10.4%
55.6%	8,827	7,838	-990	-11.2%
56.8%	8,787	7,766	-1,021	-11.6%
58.0%	8,771	7,672	-1,099	-12.5%
59.3%	8,687	7,644	-1,043	-12.0%
60.5%	8,675	7,625	-1,051	-12.1%
61.7%	8,667	7,510	-1,157	-13.4%
63.0%	8,641	7,458	-1,183	-13.7%
64.2%	8,446	7,451	-995	-11.8%
65.4%	8,332	7,397	-935	-11.2%
66.7%	8,057	7,293	-764	-9.5%
67.9%	7,975	7,200	-775	-9.7%
69.1%	7,875	7,078	-797	-10.1%
70.4%	7,730	6,959	-771	-10.0%
71.6%	7,556	6,915	-641	-8.5%
72.8%	6,940	6,911	-29	-0.4%
74.1%	6,932	6,833	-98	-1.4%
75.3%	6,765	6,383	-382	-5.6%
76.5%	6,329	6,333	4	0.1%
77.8%	6,251	6,330	79	1.3%
79.0%	4,927	6,292	1,365	27.7%
80.2%	4,893	6,121	1,228	25.1%
81.5%	4,776	6,017	1,240	26.0%
82.7%	4,702	5,967	1,265	26.9%
84.0%	4,445	5,597	1,152	25.9%
85.2%	4,145	5,548	1,403	33.9%
86.4%	3,610	4,987	1,377	38.1%
87.7%	3,154	4,096	942	29.9%
88.9%	2,161	3,887	1,727	79.9%
90.1%	2,059	3,773	1,713	83.2%
91.4%	1,958	2,674	715	36.5%
92.6%	1,851	2,655	804	43.4%
93.8%	1,792	2,438	645	36.0%
95.1%	1,447	1,423	-24	-1.7%
96.3%	1,407	1,411	4	0.3%
97.5%	1,407	1,351	-56	-3.9%
98.8%	1,345	1,202	-144	-10.7%
100.0%	750	983	233	31.0%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,329	9,360	31	0.3%
1.2%	9,278	9,125	-152	-1.6%
2.5%	9,098	8,987	-112	-1.2%
3.7%	9,058	8,890	-169	-1.9%
4.9%	8,906	8,849	-56	-0.6%
6.2%	8,790	8,638	-152	-1.7%
7.4%	8,599	8,589	-10	-0.1%
8.6%	8,580	8,516	-64	-0.7%
9.9%	8,575	8,495	-80	-0.9%
11.1%	8,538	8,472	-66	-0.8%
12.3%	8,521	8,400	-121	-1.4%
13.6%	8,491	8,389	-102	-1.2%
14.8%	8,487	8,330	-158	-1.9%
16.0%	8,418	8,215	-203	-2.4%
17.3%	8,414	8,158	-255	-3.0%
18.5%	8,406	8,109	-297	-3.5%
19.8%	8,309	8,055	-254	-3.1%
21.0%	8,301	7,973	-328	-4.0%
22.2%	8,211	7,959	-252	-3.1%
23.5%	8,151	7,870	-281	-3.4%
24.7%	8,150	7,846	-304	-3.7%
25.9%	8,138	7,811	-327	-4.0%
27.2%	8,100	7,777	-323	-4.0%
28.4%	8,094	7,777	-317	-3.9%
29.6%	8,072	7,745	-327	-4.1%
30.9%	8,052	7,709	-343	-4.3%
32.1%	8,028	7,639	-389	-4.8%
33.3%	8,019	7,559	-460	-5.7%
34.6%	8,014	7,524	-490	-6.1%
35.8%	7,977	7,452	-525	-6.6%
37.0%	7,963	7,278	-685	-8.6%
38.3%	7,935	7,222	-712	-9.0%
39.5%	7,886	7,215	-671	-8.5%
40.7%	7,886	7,177	-709	-9.0%
42.0%	7,808	7,168	-640	-8.2%
43.2%	7,741	7,064	-677	-8.7%
44.4%	7,738	7,048	-690	-8.9%
45.7%	7,453	7,034	-419	-5.6%
46.9%	7,235	6,929	-306	-4.2%
48.1%	7,225	6,746	-480	-6.6%
49.4%	7,182	6,735	-447	-6.2%
50.6%	7,145	6,636	-508	-7.1%
51.9%	7,107	6,577	-529	-7.4%
53.1%	7,073	6,352	-721	-10.2%
54.3%	6,877	6,335	-541	-7.9%
55.6%	6,709	6,305	-404	-6.0%
56.8%	6,387	6,241	-146	-2.3%
58.0%	6,315	6,205	-110	-1.7%
59.3%	6,272	6,064	-207	-3.3%
60.5%	5,952	6,014	62	1.0%
61.7%	5,469	5,993	525	9.6%
63.0%	5,251	5,920	669	12.7%
64.2%	5,149	5,694	546	10.6%
65.4%	4,928	5,662	734	14.9%
66.7%	4,777	5,216	439	9.2%
67.9%	4,765	4,710	-55	-1.2%
69.1%	4,157	4,558	400	9.6%
70.4%	4,013	4,461	448	11.2%
71.6%	3,582	4,226	644	18.0%
72.8%	3,198	4,101	903	28.2%
74.1%	3,051	3,626	575	18.8%
75.3%	3,015	3,088	73	2.4%
76.5%	2,997	3,003	6	0.2%
77.8%	2,981	2,970	-11	-0.4%
79.0%	2,960	2,835	-124	-4.2%
80.2%	2,798	2,725	-73	-2.6%
81.5%	2,733	2,527	-205	-7.5%
82.7%	2,552	2,233	-320	-12.5%
84.0%	2,232	2,054	-178	-8.0%
85.2%	2,202	1,931	-271	-12.3%
86.4%	2,166	1,877	-289	-13.4%
87.7%	2,146	1,485	-661	-30.8%
88.9%	2,056	1,416	-641	-31.2%
90.1%	1,979	1,331	-649	-32.8%
91.4%	1,837	1,234	-603	-32.8%
92.6%	1,649	1,212	-438	-26.5%
93.8%	1,588	1,152	-436	-27.5%
95.1%	1,520	1,148	-372	-24.5%
96.3%	1,232	1,144	-88	-7.1%
97.5%	1,192	1,036	-155	-13.0%
98.8%	750	943	193	25.7%
100.0%	750	866	116	15.4%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,788	12,781	-7	-0.1%
1.2%	11,703	11,759	56	0.5%
2.5%	11,697	11,652	-45	-0.4%
3.7%	11,682	11,567	-115	-1.0%
4.9%	11,316	11,302	-14	-0.1%
6.2%	11,252	11,096	-156	-1.4%
7.4%	11,109	11,095	-14	-0.1%
8.6%	11,006	10,790	-217	-2.0%
9.9%	10,866	10,741	-125	-1.2%
11.1%	10,821	10,677	-144	-1.3%
12.3%	10,800	10,658	-142	-1.3%
13.6%	10,653	10,643	-10	-0.1%
14.8%	10,558	10,417	-141	-1.3%
16.0%	10,422	10,307	-115	-1.1%
17.3%	9,973	10,068	95	0.9%
18.5%	9,563	9,946	383	4.0%
19.8%	9,474	9,807	333	3.5%
21.0%	9,407	9,406	0	0.0%
22.2%	9,381	9,292	-88	-0.9%
23.5%	9,353	9,201	-152	-1.6%
24.7%	8,913	8,765	-148	-1.7%
25.9%	8,907	8,737	-169	-1.9%
27.2%	8,705	8,625	-80	-0.9%
28.4%	8,524	8,463	-61	-0.7%
29.6%	7,885	7,890	5	0.1%
30.9%	7,748	7,853	105	1.4%
32.1%	7,703	7,539	-164	-2.1%
33.3%	7,692	7,476	-215	-2.8%
34.6%	7,373	7,474	101	1.4%
35.8%	7,296	7,147	-150	-2.1%
37.0%	7,284	6,704	-581	-8.0%
38.3%	6,890	6,624	-266	-3.9%
39.5%	6,861	6,593	-268	-3.9%
40.7%	6,838	6,572	-266	-3.9%
42.0%	6,555	6,568	13	0.2%
43.2%	6,490	6,422	-68	-1.0%
44.4%	6,209	6,190	-19	-0.3%
45.7%	6,138	6,015	-123	-2.0%
46.9%	6,087	5,941	-146	-2.4%
48.1%	6,008	5,927	-81	-1.3%
49.4%	5,861	5,867	7	0.1%
50.6%	5,858	5,697	-161	-2.7%
51.9%	5,846	5,641	-205	-3.5%
53.1%	5,592	5,277	-315	-5.6%
54.3%	5,518	5,269	-249	-4.5%
55.6%	5,283	5,237	-46	-0.9%
56.8%	5,142	5,066	-77	-1.5%
58.0%	5,092	5,038	-54	-1.1%
59.3%	4,440	4,995	555	12.5%
60.5%	4,403	4,756	353	8.0%
61.7%	4,346	4,707	360	8.3%
63.0%	4,277	4,642	365	8.5%
64.2%	3,876	4,621	746	19.2%
65.4%	3,831	4,619	787	20.5%
66.7%	3,812	4,502	690	18.1%
67.9%	3,655	4,282	627	17.2%
69.1%	3,489	4,258	768	22.0%
70.4%	3,247	4,217	970	29.9%
71.6%	3,114	4,184	1,070	34.4%
72.8%	3,035	4,076	1,041	34.3%
74.1%	3,026	3,579	553	18.3%
75.3%	3,000	3,410	410	13.7%
76.5%	2,898	3,377	479	16.5%
77.8%	2,839	3,371	532	18.7%
79.0%	2,833	3,320	487	17.2%
80.2%	2,833	3,308	475	16.8%
81.5%	2,828	3,262	434	15.3%
82.7%	2,823	3,256	433	15.3%
84.0%	2,770	3,165	394	14.2%
85.2%	2,765	3,079	315	11.4%
86.4%	2,762	3,042	280	10.1%
87.7%	2,679	2,685	5	0.2%
88.9%	2,650	2,614	-36	-1.4%
90.1%	2,609	2,567	-42	-1.6%
91.4%	2,572	2,566	-6	-0.2%
92.6%	2,115	2,117	2	0.1%
93.8%	1,901	1,929	27	1.4%
95.1%	1,751	1,751	0	0.0%
96.3%	1,519	1,512	-8	-0.5%
97.5%	1,394	1,461	67	4.8%
98.8%	1,131	1,458	327	28.9%
100.0%	1,035	1,071	37	3.6%

Figure SW-24-b
Folsom Lake, End of Month Storage
Probability of Exceedance

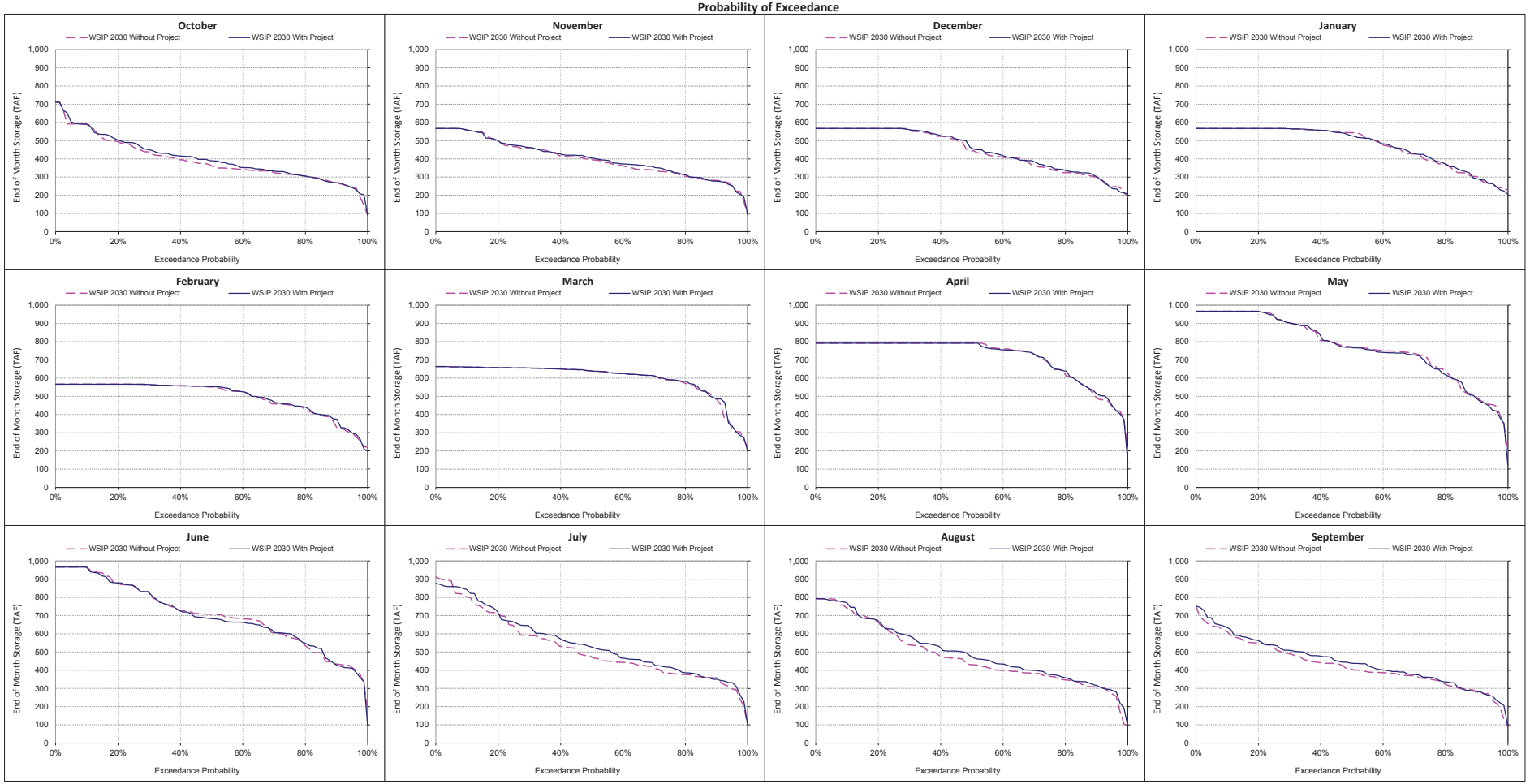


Table SW-24-b

Folsom Lake, End of Month Storage

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	712	712	0	0.0%
1.2%	712	712	0	0.0%
2.5%	668	666	-2	-0.3%
3.7%	592	653	61	10.3%
4.9%	592	604	12	2.1%
6.2%	592	594	2	0.3%
7.4%	592	592	0	0.0%
8.6%	591	592	1	0.2%
9.9%	588	591	3	0.6%
11.1%	586	579	-8	-1.3%
12.3%	559	546	-12	-2.2%
13.6%	536	537	1	0.2%
14.8%	517	534	17	3.3%
16.0%	502	534	32	6.4%
17.3%	500	528	27	5.5%
18.5%	498	514	16	3.2%
19.8%	496	504	9	1.7%
21.0%	486	498	12	2.4%
22.2%	485	491	5	1.1%
23.5%	482	490	8	1.7%
24.7%	467	489	22	4.7%
25.9%	455	484	28	6.3%
27.2%	449	467	18	4.0%
28.4%	439	454	14	3.3%
29.6%	439	451	13	2.9%
30.9%	427	446	19	4.5%
32.1%	419	437	18	4.4%
33.3%	418	431	13	3.0%
34.6%	417	430	13	3.0%
35.8%	411	430	19	4.6%
37.0%	408	422	14	3.4%
38.3%	404	418	15	3.6%
39.5%	395	416	21	5.3%
40.7%	395	414	20	5.0%
42.0%	388	414	26	6.7%
43.2%	386	412	27	6.9%
44.4%	382	409	27	7.0%
45.7%	376	398	22	5.9%
46.9%	376	398	22	5.8%
48.1%	373	397	24	6.4%
49.4%	367	391	24	6.4%
50.6%	356	389	33	9.2%
51.9%	350	388	38	10.9%
53.1%	350	381	31	8.8%
54.3%	349	378	29	8.3%
55.6%	347	372	25	7.2%
56.8%	347	370	23	6.7%
58.0%	344	363	19	5.6%
59.3%	343	354	10	3.0%
60.5%	343	352	9	2.6%
61.7%	337	352	15	4.3%
63.0%	337	350	13	3.8%
64.2%	335	345	10	2.9%
65.4%	334	344	10	3.0%
66.7%	334	342	8	2.3%
67.9%	333	334	1	0.2%
69.1%	330	334	4	1.2%
70.4%	322	331	9	2.8%
71.6%	321	330	9	3.0%
72.8%	319	330	11	3.4%
74.1%	317	324	8	2.4%
75.3%	314	318	3	1.0%
76.5%	314	313	-1	-0.4%
77.8%	310	312	2	0.8%
79.0%	307	307	0	0.0%
80.2%	304	305	1	0.2%
81.5%	297	300	3	0.9%
82.7%	297	297	0	0.2%
84.0%	295	293	-2	-0.6%
85.2%	287	286	-1	-0.3%
86.4%	284	277	-6	-2.2%
87.7%	277	273	-4	-1.5%
88.9%	271	271	0	-0.1%
90.1%	266	269	3	1.0%
91.4%	262	266	4	1.6%
92.6%	256	257	1	0.5%
93.8%	249	250	1	0.2%
95.1%	245	242	-3	-1.2%
96.3%	239	230	-9	-3.6%
97.5%	189	207	18	9.6%
98.8%	145	204	59	40.3%
100.0%	90	90	0	0.0%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	567	567	0	0.0%
1.2%	567	567	0	0.0%
2.5%	567	567	0	0.0%
3.7%	567	567	0	0.0%
4.9%	567	567	0	0.0%
6.2%	567	567	0	0.0%
7.4%	566	567	1	0.2%
8.6%	565	565	0	0.0%
9.9%	556	560	4	0.8%
11.1%	555	555	0	-0.1%
12.3%	553	551	-2	-0.4%
13.6%	547	546	-1	-0.1%
14.8%	546	546	0	0.0%
16.0%	535	515	-21	-3.9%
17.3%	516	513	-3	-0.6%
18.5%	509	510	1	0.2%
19.8%	495	502	7	1.4%
21.0%	488	486	-2	-0.4%
22.2%	474	484	10	2.2%
23.5%	472	477	5	1.1%
24.7%	468	476	8	1.8%
25.9%	467	473	7	1.5%
27.2%	460	472	12	2.6%
28.4%	460	466	6	1.4%
29.6%	457	463	6	1.2%
30.9%	457	461	5	1.0%
32.1%	455	454	-1	-0.2%
33.3%	454	449	-5	-1.0%
34.6%	449	441	-8	-1.9%
35.8%	444	440	-3	-0.7%
37.0%	436	438	2	0.4%
38.3%	435	430	-6	-1.3%
39.5%	418	429	11	2.7%
40.7%	417	422	5	1.2%
42.0%	414	420	6	1.5%
43.2%	412	420	8	2.0%
44.4%	411	420	9	2.1%
45.7%	411	419	8	2.0%
46.9%	406	418	13	3.1%
48.1%	400	411	11	2.7%
49.4%	397	406	9	2.3%
50.6%	394	403	8	2.1%
51.9%	393	399	6	1.6%
53.1%	388	395	7	1.8%
54.3%	379	393	14	3.6%
55.6%	379	390	11	2.9%
56.8%	370	378	8	2.1%
58.0%	365	376	11	3.0%
59.3%	365	374	9	2.4%
60.5%	359	371	13	3.5%
61.7%	357	371	14	3.9%
63.0%	350	369	19	5.5%
64.2%	343	367	24	7.0%
65.4%	342	364	23	6.6%
66.7%	341	364	23	6.7%
67.9%	341	359	19	5.5%
69.1%	340	359	19	5.6%
70.4%	334	351	17	5.2%
71.6%	331	350	19	5.6%
72.8%	331	346	16	4.8%
74.1%	329	336	7	2.0%
75.3%	327	334	7	2.0%
76.5%	324	325	1	0.4%
77.8%	316	322	6	1.8%
79.0%	306	315	10	3.2%
80.2%	305	311	7	2.2%
81.5%	300	300	0	0.0%
82.7%	295	298	3	1.0%
84.0%	295	297	2	0.7%
85.2%	289	296	6	2.2%
86.4%	285	287	2	0.5%
87.7%	283	282	-1	-0.3%
88.9%	282	278	-4	-1.6%
90.1%	281	278	-4	-1.3%
91.4%	279	275	-4	-1.4%
92.6%	274	272	-2	-0.7%
93.8%	270	259	-11	-4.0%
95.1%	246	253	7	2.8%
96.3%	223	218	-5	-2.4%
97.5%	221	206	-15	-6.9%
98.8%	165	189	24	14.5%
100.0%	91	91	0	0.0%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	567	567	0	-0.1%
1.2%	567	567	0	0.0%
2.5%	567	567	0	0.0%
3.7%	567	567	0	0.0%
4.9%	567	567	0	0.0%
6.2%	567	567	0	0.0%
7.4%	567	567	0	0.0%
8.6%	567	567	0	0.0%
9.9%	567	567	0	0.0%
11.1%	567	567	0	0.0%
12.3%	567	567	0	0.0%
13.6%	567	567	0	0.0%
14.8%	567	567	0	0.0%
16.0%	567	567	0	0.0%
17.3%	567	567	0	0.0%
18.5%	567	567	0	0.0%
19.8%	567	567	0	0.0%
21.0%	567	567	0	0.0%
22.2%	567	567	0	0.0%
23.5%	567	567	0	0.0%
24.7%	567	567	0	0.0%
25.9%	567	567	0	0.0%
27.2%	567	567	0	0.0%
28.4%	567	565	-2	-0.3%
29.6%	565	562	-3	-0.6%
30.9%	551	558	6	1.2%
32.1%	551	557	6	1.1%
33.3%	549	554	5	0.9%
34.6%	545	551	7	1.2%
35.8%	543	547	4	0.7%
37.0%	536	541	5	0.9%
38.3%	526	535	9	1.7%
39.5%	524	531	7	1.3%
40.7%	524	525	1	0.2%
42.0%	520	524	4	0.8%
43.2%	512	524	12	2.3%
44.4%	509	512	3	0.5%
45.7%	496	506	10	2.0%
46.9%	493	503	11	2.2%
48.1%	455	498	44	9.6%
49.4%	445	465	20	4.4%
50.6%	444	453	9	2.1%
51.9%	433	451	18	4.1%
53.1%	432	450	19	4.3%
54.3%	428	436	8	1.9%
55.6%	418	436	17	4.1%
56.8%	417	433	16	3.9%
58.0%	417	428	11	2.7%
59.3%	411	421	11	2.6%
60.5%	407	414	7	1.8%
61.7%	407	409	2	0.4%
63.0%	406	406	0	0.0%
64.2%	404	401	-2	-0.6%
65.4%	402	394	-8	-2.1%
66.7%	397	392	-5	-1.2%
67.9%	383	391	8	2.1%
69.1%	367	391	24	6.4%
70.4%	361	382	21	5.9%
71.6%	356	370	14	3.9%
72.8%	355	367	12	3.4%
74.1%	346	359	13	3.8%
75.3%	343	358	15	4.4%
76.5%	336	345	9	2.6%
77.8%	333	343	9	2.7%
79.0%	325	341	16	5.0%
80.2%	324	335	10	3.2%
81.5%	324	331	7	2.0%
82.7%	324	328	4	1.4%
84.0%	321	327	6	1.9%
85.2%	315	323	8	2.4%
86.4%	310	323	12	3.9%
87.7%	308	322	14	4.5%
88.9%	303	311	8	2.6%
90.1%	299	302	3	0.9%
91.4%	293	283	-10	-3.5%
92.6%	264	273	9	3.4%
93.8%	256	252	-3	-1.3%
95.1%	247	236	-11	-4.4%
96.3%	247	234	-12	-4.9%
97.5%	241	218	-23	-9.7%
98.8%	214	214	0	0.0%
100.0%	192	206	14	7.2%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	567	567	0	0.0%
1.2%	567	567	0	0.0%
2.5%	567	567	0	0.0%
3.7%	567	567	0	0.0%
4.9%	567	567	0	0.0%
6.2%	567	567	0	0.0%
7.4%	567	567	0	0.0%
8.6%	567	567	0	0.0%
9.9%	567	567	0	0.0%
11.1%	567	567	0	0.0%
12.3%	567	567	0	0.0%
13.6%	567	567	0	0.0%
14.8%	567	567	0	0.0%
16.0%	567	567	0	0.0%
17.3%	567	567	0	0.0%
18.5%	567	567	0	0.0%
19.8%	567	567	0	0.0%
21.0%	567	567	0	0.0%
22.2%	567	567	0	0.0%
23.5%	567	567	0	0.0%
24.7%	567	567	0	0.0%
25.9%	567	567	0	0.0%
27.2%	567	567	0	0.0%
28.4%	566	567	1	0.2%
29.6%	565	566	1	0.2%
30.9%	564	565	1	0.2%
32.1%	564	564	0	0.0%
33.3%	563	564	1	0.2%
34.6%	562	563	1	0.2%
35.8%	560	562	2	0.4%
37.0%	559	560	1	0.2%
38.3%	557	559	2	0.4%
39.5%	557	557	0	0.0%
40.7%	556	556	0	0.0%
42.0%	556	556	0	0.0%
43.2%	552	551	-1	-0.1%
44.4%	551	546	-5	-0.9%
45.7%	547	544	-3	-0.5%
46.9%	546	543	-3	-0.5%
48.1%	544	537	-7	-1.3%
49.4%	544	529	-15	-2.7%
50.6%	543	524	-19	-3.5%
51.9%	542	517	-25	-4.5%
53.1%	532	516	-17	-3.1%
54.3%	514	513	-1	-0.2%
55.6%	508	512	4	0.9%
56.8%	505	505	0	0.0%
58.0%	494	502	8	1.5%
59.3%	481	485	4	0.8%
60.5%	473	481	8	1.6%
61.7%	470	477	7	1.5%
63.0%	460	467	7	1.5%
64.2%	459	460	1	0.2%
65.4%	453	459	6	1.3%
66.7%	432	453	21	4.8%
67.9%	430	443	13	3.0%
69.1%	428	432	4	1.0%
70.4%	427	427	0	0.0%
71.6%	425	425	0	0.0%
72.8%	401	425	24	5.9%
74.1%	393	413	20	5.0%
75.3%	385	403	18	4.7%
76.5%	384	391	7	1.8%
77.8%	373	384	11	2.9%
79.0%	370	379	9	2.4%
80.2%	368	370	2	0.5%
81.5%	356	358	2	0.6%
82.7%	336	356	19	5.7%
84.0%	324	345	20	6.3%
85.2%	324	335	11	3.5%
86.4%	323	330	8	2.4%
87.7%	309	323	14	4.6%
88.9%	303	295	-8	-2.8%
90.1%	303	290	-13	-4.1%
91.4%	281	285	3	1.2%
92.6%	268	283	15	5.5%
93.8%	267	265	-2	-0.7%
95.1%	264	263	-1	-0.4%
96.3%	247	245	-2	-0.8%
97.5%	241	229	-13	-5.2%
98.8%	236	224	-13	-5.3%
100.0%	228	204	-23	-10.2%

Table SW-24-b

Folsom Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	567	567	0	0.0%
1.2%	567	567	0	0.0%
2.5%	567	567	0	0.0%
3.7%	567	567	0	0.0%
4.9%	567	567	0	0.0%
6.2%	567	567	0	0.0%
7.4%	567	567	0	0.0%
8.6%	567	567	0	0.0%
9.9%	567	567	0	0.0%
11.1%	567	567	0	0.0%
12.3%	567	567	0	0.0%
13.6%	567	567	0	0.0%
14.8%	567	567	0	0.0%
16.0%	567	567	0	0.0%
17.3%	567	567	0	0.0%
18.5%	567	567	0	0.0%
19.8%	567	567	0	0.0%
21.0%	567	567	0	0.0%
22.2%	567	567	0	0.0%
23.5%	567	567	0	0.0%
24.7%	566	567	1	0.2%
25.9%	566	566	0	0.0%
27.2%	566	566	0	0.0%
28.4%	565	566	1	0.2%
29.6%	564	565	1	0.2%
30.9%	563	563	0	0.0%
32.1%	562	562	0	0.0%
33.3%	560	561	1	0.2%
34.6%	560	561	1	0.2%
35.8%	558	560	2	0.4%
37.0%	558	560	2	0.3%
38.3%	558	558	0	0.0%
39.5%	558	558	0	0.0%
40.7%	557	558	1	0.2%
42.0%	557	558	1	0.2%
43.2%	556	557	1	0.2%
44.4%	555	557	2	0.4%
45.7%	555	556	1	0.2%
46.9%	553	555	2	0.4%
48.1%	553	555	2	0.4%
49.4%	552	553	1	0.2%
50.6%	551	553	2	0.4%
51.9%	547	552	5	0.9%
53.1%	543	551	8	1.5%
54.3%	532	547	15	2.7%
55.6%	530	543	13	2.5%
56.8%	529	530	1	0.2%
58.0%	527	529	2	0.3%
59.3%	527	527	0	0.0%
60.5%	523	523	0	0.1%
61.7%	516	514	-2	-0.4%
63.0%	499	499	0	0.0%
64.2%	499	499	0	0.0%
65.4%	494	494	0	0.0%
66.7%	482	494	12	2.5%
67.9%	481	484	3	0.5%
69.1%	460	479	19	4.1%
70.4%	458	465	7	1.5%
71.6%	458	463	5	1.1%
72.8%	457	458	1	0.2%
74.1%	455	458	3	0.7%
75.3%	451	457	6	1.2%
76.5%	446	447	1	0.2%
77.8%	443	446	3	0.7%
79.0%	440	443	3	0.7%
80.2%	421	440	19	4.4%
81.5%	416	425	8	2.0%
82.7%	407	407	0	0.0%
84.0%	402	402	0	0.0%
85.2%	394	400	6	1.5%
86.4%	390	397	7	1.7%
87.7%	387	394	7	1.7%
88.9%	363	377	14	3.9%
90.1%	328	374	46	14.1%
91.4%	326	328	2	0.7%
92.6%	316	326	10	3.3%
93.8%	304	316	11	3.7%
95.1%	297	298	0	0.1%
96.3%	278	291	14	4.9%
97.5%	256	265	9	3.3%
98.8%	223	211	-13	-5.6%
100.0%	221	198	-23	-10.5%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	664	664	0	0.0%
1.2%	664	664	0	0.0%
2.5%	664	664	0	0.0%
3.7%	664	664	0	0.1%
4.9%	662	662	0	0.0%
6.2%	662	662	0	0.0%
7.4%	662	662	0	0.0%
8.6%	662	662	0	0.0%
9.9%	661	661	0	0.0%
11.1%	661	661	0	0.0%
12.3%	661	661	0	0.0%
13.6%	660	660	0	0.0%
14.8%	659	659	0	0.0%
16.0%	658	658	0	0.0%
17.3%	658	658	0	0.0%
18.5%	658	658	0	0.0%
19.8%	658	658	0	0.0%
21.0%	657	657	0	0.0%
22.2%	657	657	0	0.0%
23.5%	657	657	0	0.0%
24.7%	656	656	0	0.0%
25.9%	656	656	0	0.0%
27.2%	656	656	0	0.0%
28.4%	656	656	0	0.0%
29.6%	656	656	0	0.0%
30.9%	655	655	0	0.0%
32.1%	655	654	-1	-0.1%
33.3%	655	654	-1	-0.1%
34.6%	654	654	0	0.0%
35.8%	654	652	-2	-0.3%
37.0%	652	652	0	0.0%
38.3%	652	651	-1	-0.2%
39.5%	651	650	-1	-0.1%
40.7%	651	649	-2	-0.2%
42.0%	649	648	-1	-0.2%
43.2%	648	648	0	0.0%
44.4%	647	647	0	0.0%
45.7%	646	646	0	0.0%
46.9%	646	646	0	0.0%
48.1%	642	642	0	0.0%
49.4%	640	640	0	0.0%
50.6%	637	637	0	0.0%
51.9%	637	637	0	0.0%
53.1%	636	636	0	0.0%
54.3%	635	635	0	0.0%
55.6%	635	629	-6	-0.9%
56.8%	629	628	-1	-0.2%
58.0%	628	626	-2	-0.3%
59.3%	626	625	-1	-0.1%
60.5%	625	625	0	0.0%
61.7%	622	622	0	0.0%
63.0%	621	621	0	0.0%
64.2%	621	621	0	0.0%
65.4%	618	618	0	0.0%
66.7%	616	616	0	0.0%
67.9%	615	615	0	-0.1%
69.1%	615	615	0	0.0%
70.4%	611	611	0	0.0%
71.6%	599	603	4	0.6%
72.8%	593	599	6	1.0%
74.1%	591	593	2	0.4%
75.3%	590	591	1	0.2%
76.5%	588	590	2	0.3%
77.8%	586	587	1	0.2%
79.0%	578	583	4	0.7%
80.2%	570	582	12	2.1%
81.5%	564	570	6	1.0%
82.7%	557	566	9	1.5%
84.0%	539	552	12	2.3%
85.2%	529	529	0	0.0%
86.4%	525	529	4	0.8%
87.7%	518	505	-13	-2.6%
88.9%	499	492	-7	-1.5%
90.1%	481	486	6	1.2%
91.4%	452	485	34	7.5%
92.6%	375	467	92	24.6%
93.8%	365	350	-15	-4.2%
95.1%	317	336	20	6.3%
96.3%	306	304	-2	-0.7%
97.5%	305	285	-20	-6.5%
98.8%	264	272	9	3.2%
100.0%	216	196	-20	-9.2%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	792	792	0	0.0%
1.2%	792	792	0	0.0%
2.5%	792	792	0	0.0%
3.7%	792	792	0	0.0%
4.9%	792	792	0	0.0%
6.2%	792	792	0	0.0%
7.4%	792	792	0	0.0%
8.6%	792	792	0	0.0%
9.9%	792	792	0	0.0%
11.1%	792	792	0	0.0%
12.3%	792	792	0	0.0%
13.6%	792	792	0	0.0%
14.8%	792	792	0	0.0%
16.0%	792	792	0	0.0%
17.3%	792	792	0	0.0%
18.5%	792	792	0	0.0%
19.8%	792	792	0	0.0%
21.0%	792	792	0	0.0%
22.2%	792	792	0	0.0%
23.5%	792	792	0	0.0%
24.7%	792	792	0	0.0%
25.9%	792	792	0	0.0%
27.2%	792	792	0	0.0%
28.4%	792	792	0	0.0%
29.6%	792	792	0	0.0%
30.9%	792	792	0	0.0%
32.1%	792	792	0	0.0%
33.3%	792	792	0	0.0%
34.6%	792	792	0	0.0%
35.8%	792	792	0	0.0%
37.0%	792	792	0	0.0%
38.3%	792	792	0	0.0%
39.5%	792	792	0	0.0%
40.7%	792	792	0	0.0%
42.0%	792	792	0	0.0%
43.2%	792	792	0	0.0%
44.4%	792	792	0	0.0%
45.7%	792	792	0	0.0%
46.9%	792	792	0	0.0%
48.1%	792	792	0	0.0%
49.4%	792	792	0	0.0%
50.6%	792	792	0	0.0%
51.9%	792	792	0	0.0%
53.1%	792	774	-18	-2.2%
54.3%	786	768	-18	-2.3%
55.6%	768	764	-4	-0.6%
56.8%	766	761	-5	-0.6%
58.0%	764	759	-4	-0.6%
59.3%	761	756	-5	-0.7%
60.5%	760	754	-6	-0.8%
61.7%	759	754	-6	-0.8%
63.0%	754	754	0	0.0%
64.2%	752	750	-3	-0.4%
65.4%	750	750	0	0.0%
66.7%	749	746	-4	-0.5%
67.9%	741	743	2	0.3%
69.1%	738	741	2	0.3%
70.4%	728	726	-2	-0.2%
71.6%	713	716	3	0.4%
72.8%	703	713	10	1.5%
74.1%	691	695	4	0.6%
75.3%	678	666	-12	-1.7%
76.5%	649	649	0	0.0%
77.8%	648	648	0	0.0%
79.0%	644	642	-2	-0.4%
80.2%	612	638	26	4.3%
81.5%	607	606	-1	-0.1%
82.7%	593	599	6	1.0%
84.0%	583	584	1	0.1%
85.2%	568	566	-1	-0.3%
86.4%	566	555	-11	-2.0%
87.7%	539	543	4	0.7%
88.9%	518	532	15	2.8%
90.1%	488	512	24	5.0%
91.4%	482	504	22	4.6%
92.6%	480	501	22	4.6%
93.8%	473	480	8	1.6%
95.1%	443	444	2	0.4%
96.3%	421	420	-1	-0.3%
97.5%	419	403	-15	-3.6%
98.8%	366	374	9	2.3%
100.0%	196	138	-59	-29.9%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	967	967	0	0.0%
1.2%	967	967	0	0.0%
2.5%	967	967	0	0.0%
3.7%	967	967	0	0.0%
4.9%	967	967	0	0.0%
6.2%	967	967	0	0.0%
7.4%	967	967	0	0.0%
8.6%	967	967	0	0.0%
9.9%	967	967	0	0.0%
11.1%	967	967	0	0.0%
12.3%	967	967	0	0.0%
13.6%	967	967	0	0.0%
14.8%	967	967	0	0.0%
16.0%	967	967	0	0.0%
17.3%	967	967	0	0.0%
18.5%	967	967	0	0.0%
19.8%	967	967	0	0.0%
21.0%	962	962	0	0.0%
22.2%	959	959	0	0.0%
23.5%	959	948	-11	-1.1%
24.7%	948	947	-2	-0.2%
25.9%	923	923	0	0.0%
27.2%	919	919	0	0.0%
28.4%	910	910	0	0.0%
29.6%	904	904	0	0.0%
30.9%	901	898	-3	-0.3%
32.1%	890	896	6	0.7%
33.3%	888	890	2	0.2%
34.6%	887	888	1	0.1%
35.8%	867	887	20	2.3%
37.0%	861	867	6	0.7%
38.3%	857	861	4	0.5%
39.5%	807	846	38	4.7%
40.7%	806	807	1	0.1%
42.0%	806	805	0	-0.1%
43.2%	803	799	-4	-0.5%
44.4%	793	791	-3	-0.4%
45.7%	785	779	-6	-0.8%
46.9%	780	771	-9	-1.1%
48.1%	775	769	-6	-0.8%
49.4%	773	769	-4	-0.6%
50.6%	770	766	-3	-0.4%
51.9%	769	766	-3	-0.4%
53.1%	769	764	-4	-0.6%
54.3%	764	757	-7	-0.9%
55.6%	763	756	-7	-0.9%
56.8%	758	753	-5	-0.7%
58.0%	754	743	-11	-1.5%
59.3%	752	742	-10	-1.4%
60.5%	749	740	-9	-1.2%
61.7%	749	739	-10	-1.4%
63.0%	748	739	-10	-1.3%
64.2%	748	738	-10	-1.3%
65.4%	746	738	-8	-1.1%
66.7%	743	737	-6	-0.8%
67.9%	741	730	-11	-1.4%
69.1%	739	729	-10	-1.4%
70.4%	734	726	-7	-1.0%
71.6%	727	721	-6	-0.8%
72.8%	721	703	-18	-2.5%
74.1%	712	680	-33	-4.6%
75.3%	675	666	-9	-1.3%
76.5%	666	650	-15	-2.3%
77.8%	652	649	-3	-0.4%
79.0%	650	628	-22	-3.4%
80.2%	635	616	-19	-3.0%
81.5%	611	604	-7	-1.2%
82.7%	587	595	8	1.4%
84.0%	584	589	5	0.9%
85.2%	532	576	44	8.2%
86.4%	521	529	8	1.6%
87.7%	515	509	-7	-1.3%
88.9%	511	505	-6	-1.2%
90.1%	493	485	-8	-1.5%
91.4%	476	470	-6	-1.3%
92.6%	466	462	-4	-0.9%
93.8%	455	448	-7	-1.5%
95.1%	454	423	-31	-6.9%
96.3%	446	419	-27	-6.0%
97.5%	395	380	-15	-3.8%
98.8%	343	352	9	2.5%
100.0%	193	123	-70	-36.4%

Table SW-24-b

Folsom Lake, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	967	967	0	0.0%
1.2%	967	967	0	0.0%
2.5%	967	967	0	0.0%
3.7%	967	967	0	0.0%
4.9%	967	967	0	0.0%
6.2%	967	967	0	0.0%
7.4%	967	967	0	0.0%
8.6%	967	967	0	0.0%
9.9%	967	967	0	0.0%
11.1%	950	941	-8	-0.9%
12.3%	941	937	-4	-0.5%
13.6%	937	933	-3	-0.4%
14.8%	935	918	-17	-1.8%
16.0%	918	914	-5	-0.5%
17.3%	913	885	-28	-3.1%
18.5%	882	882	0	0.0%
19.8%	880	879	0	0.0%
21.0%	871	879	8	0.9%
22.2%	869	871	1	0.1%
23.5%	868	869	1	0.1%
24.7%	866	866	1	0.1%
25.9%	851	855	5	0.6%
27.2%	832	832	0	0.0%
28.4%	831	832	0	0.0%
29.6%	831	831	0	0.0%
30.9%	798	808	10	1.2%
32.1%	790	791	1	0.2%
33.3%	774	774	0	0.0%
34.6%	767	767	0	0.0%
35.8%	758	759	1	0.1%
37.0%	749	757	8	1.1%
38.3%	743	742	-1	-0.1%
39.5%	729	728	-1	-0.1%
40.7%	727	720	-7	-0.9%
42.0%	723	719	-4	-0.6%
43.2%	720	712	-8	-1.2%
44.4%	712	695	-17	-2.4%
45.7%	711	692	-20	-2.8%
46.9%	709	690	-19	-2.7%
48.1%	708	686	-22	-3.1%
49.4%	708	684	-24	-3.4%
50.6%	706	683	-24	-3.4%
51.9%	705	681	-24	-3.5%
53.1%	705	677	-28	-4.0%
54.3%	694	668	-26	-3.7%
55.6%	691	666	-26	-3.7%
56.8%	687	665	-23	-3.3%
58.0%	685	664	-21	-3.1%
59.3%	684	663	-20	-2.9%
60.5%	682	661	-21	-3.0%
61.7%	681	658	-23	-3.4%
63.0%	678	657	-21	-3.1%
64.2%	674	650	-24	-3.6%
65.4%	669	649	-21	-3.1%
66.7%	650	635	-15	-2.3%
67.9%	639	634	-5	-0.8%
69.1%	608	622	14	2.3%
70.4%	604	606	2	0.3%
71.6%	601	605	4	0.7%
72.8%	600	605	5	0.8%
74.1%	583	601	18	3.1%
75.3%	577	600	22	3.9%
76.5%	575	586	11	2.0%
77.8%	567	574	7	1.2%
79.0%	548	555	6	1.1%
80.2%	532	546	14	2.6%
81.5%	515	534	19	3.6%
82.7%	498	533	35	7.0%
84.0%	496	521	25	5.0%
85.2%	496	519	23	4.6%
86.4%	448	469	20	4.5%
87.7%	447	455	9	1.9%
88.9%	436	441	6	1.3%
90.1%	433	426	-7	-1.6%
91.4%	431	421	-10	-2.3%
92.6%	429	414	-14	-3.3%
93.8%	427	412	-15	-3.5%
95.1%	413	410	-4	-0.9%
96.3%	400	387	-13	-3.3%
97.5%	377	360	-16	-4.4%
98.8%	331	337	6	1.8%
100.0%	164	95	-69	-42.1%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	912	877	-36	-3.9%
1.2%	902	873	-30	-3.3%
2.5%	897	864	-33	-3.7%
3.7%	896	860	-36	-4.0%
4.9%	890	860	-31	-3.4%
6.2%	822	859	37	4.5%
7.4%	821	856	36	4.4%
8.6%	818	850	32	3.9%
9.9%	803	844	42	5.2%
11.1%	799	822	23	2.9%
12.3%	759	821	62	8.2%
13.6%	757	780	23	3.0%
14.8%	746	774	28	3.7%
16.0%	725	758	33	4.5%
17.3%	717	753	36	5.0%
18.5%	717	741	24	3.4%
19.8%	712	722	10	1.4%
21.0%	698	678	-20	-2.9%
22.2%	696	674	-22	-3.2%
23.5%	651	670	19	3.0%
24.7%	646	667	21	3.2%
25.9%	629	657	27	4.3%
27.2%	594	647	53	8.9%
28.4%	592	646	54	9.1%
29.6%	590	645	56	9.4%
30.9%	590	627	38	6.4%
32.1%	589	603	14	2.3%
33.3%	574	603	29	5.0%
34.6%	573	601	29	5.0%
35.8%	565	594	28	5.0%
37.0%	564	592	28	5.0%
38.3%	555	591	37	6.6%
39.5%	533	577	44	8.3%
40.7%	528	564	36	6.9%
42.0%	526	558	32	6.1%
43.2%	523	550	27	5.1%
44.4%	522	549	27	5.3%
45.7%	491	543	52	10.6%
46.9%	485	542	57	11.8%
48.1%	480	537	57	11.9%
49.4%	479	529	50	10.5%
50.6%	467	522	56	11.9%
51.9%	464	517	53	11.5%
53.1%	452	512	60	13.2%
54.3%	451	510	59	13.1%
55.6%	450	508	58	13.0%
56.8%	447	492	45	10.1%
58.0%	445	488	43	9.7%
59.3%	444	467	23	5.2%
60.5%	443	466	23	5.2%
61.7%	439	461	22	5.0%
63.0%	439	460	21	4.8%
64.2%	431	459	27	6.4%
65.4%	427	458	32	7.4%
66.7%	426	446	19	4.5%
67.9%	422	444	22	5.3%
69.1%	422	443	21	5.0%
70.4%	409	426	18	4.3%
71.6%	404	424	20	5.0%
72.8%	388	421	33	8.5%
74.1%	385	417	32	8.3%
75.3%	383	415	32	8.4%
76.5%	380	409	29	7.6%
77.8%	378	402	24	6.4%
79.0%	376	388	11	3.0%
80.2%	376	385	9	2.5%
81.5%	375	385	10	2.7%
82.7%	367	382	15	4.2%
84.0%	365	377	11	3.1%
85.2%	365	362	-3	-0.7%
86.4%	365	359	-6	-1.6%
87.7%	360	357	-2	-0.7%
88.9%	358	351	-8	-2.1%
90.1%	357	350	-7	-1.9%
91.4%	332	343	10	3.1%
92.6%	319	341	22	6.8%
93.8%	313	332	20	6.3%
95.1%	297	332	35	11.9%
96.3%	291	312	21	7.1%
97.5%	241	263	22	8.9%
98.8%	199	228	29	14.5%
100.0%	90	90	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	792	795	3	0.3%
1.2%	792	792	0	0.0%
2.5%	792	792	0	0.0%
3.7%	792	788	-4	-0.5%
4.9%	792	782	-10	-1.3%
6.2%	790	782	-8	-1.0%
7.4%	758	779	21	2.7%
8.6%	758	776	18	2.4%
9.9%	742	771	29	3.9%
11.1%	739	746	7	0.9%
12.3%	709	745	37	5.2%
13.6%	705	702	-3	-0.4%
14.8%	704	687	-17	-2.4%
16.0%	694	683	-10	-1.5%
17.3%	686	683	-3	-0.5%
18.5%	678	681	3	0.5%
19.8%	668	673	5	0.7%
21.0%	643	654	10	1.6%
22.2%	642	627	-15	-2.4%
23.5%	613	627	14	2.3%
24.7%	603	625	22	3.7%
25.9%	592	606	14	2.4%
27.2%	564	599	35	6.2%
28.4%	552	595	43	7.8%
29.6%	540	589	49	9.0%
30.9%	537	581	44	8.2%
32.1%	535	565	30	5.6%
33.3%	533	549	16	3.1%
34.6%	528	548	19	3.6%
35.8%	507	548	41	8.1%
37.0%	504	542	38	7.6%
38.3%	497	537	40	8.1%
39.5%	482	531	49	10.2%
40.7%	470	508	38	8.1%
42.0%	470	506	37	7.8%
43.2%	467	506	38	8.2%
44.4%	467	505	39	8.3%
45.7%	464	504	40	8.5%
46.9%	462	502	39	8.5%
48.1%	437	495	59	13.5%
49.4%	431	480	49	11.5%
50.6%	430	467	37	8.6%
51.9%	428	462	34	8.0%
53.1%	422	460	37	8.9%
54.3%	419	457	38	9.1%
55.6%	412	455	43	10.4%
56.8%	407	443	36	8.9%
58.0%	401	436	34	8.6%
59.3%	400	434	34	8.5%
60.5%	398	433	35	8.8%
61.7%	398	425	27	6.8%
63.0%	393	419	25	6.4%
64.2%	393	418	24	6.2%
65.4%	391	416	25	6.3%
66.7%	386	402	16	4.3%
67.9%	385	401	16	4.1%
69.1%	384	400	16	4.1%
70.4%	382	398	16	4.2%
71.6%	382	396	15	3.9%
72.8%	372	394	22	6.0%
74.1%	370	379	9	2.4%
75.3%	366	375	10	2.6%
76.5%	363	375	12	3.2%
77.8%	350	371	21	6.0%
79.0%	349	361	13	3.6%
80.2%	346	357	11	3.2%
81.5%	345	351	7	1.9%
82.7%	339	340	1	0.3%
84.0%	336	339	3	0.9%
85.2%	322	337	15	4.6%
86.4%	317	337	19	6.1%
87.7%	310	329	19	6.2%
88.9%	309	320	11	3.5%
90.1%	307	315	9	2.8%
91.4%	304	304	0	0.0%
92.6%	303	298	-5	-1.8%
93.8%	281	295	14	5.1%
95.1%	269	289	20	7.5%
96.3%	256	278	22	8.6%
97.5%	172	218	46	26.8%
98.8%	105	193	87	82.6%
100.0%	90	90	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Storage (TAF)	WSIP 2030 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	752	752	0	0.0%
1.2%	694	745	51	7.4%
2.5%	675	729	54	7.9%
3.7%	656	688	32	4.9%
4.9%	645	688	43	6.6%
6.2%	640	656	16	2.5%
7.4%	638	650	12	1.9%
8.6%	618	644	26	4.2%
9.9%	614	635	21	3.3%
11.1%	592	624	32	5.4%
12.3%	581	592	11	1.9%
13.6%	578	592	14	2.5%
14.8%	569	584	15	2.6%
16.0%	553	581	29	5.2%
17.3%	552	575	22	4.0%
18.5%	551	567	16	3.0%
19.8%	550	565	15	2.8%
21.0%	549	554	5	0.9%
22.2%	540	540	0	0.0%
23.5%	539	539	1	0.1%
24.7%	529	539	10	1.8%
25.9%	510	534	24	4.6%
27.2%	502	518	17	3.3%
28.4%	496	510	14	2.8%
29.6%	492	510	18	3.7%
30.9%	486	508	21	4.4%
32.1%	477	502	25	5.3%
33.3%	474	502	28	5.9%
34.6%	459	500	41	9.0%
35.8%	454	487	33	7.3%
37.0%	447	481	34	7.5%
38.3%	446	480	34	7.7%
39.5%	442	478	36	8.0%
40.7%	438	475	37	8.4%
42.0%	438	475	37	8.4%
43.2%	438	471	34	7.7%
44.4%	437	455	18	4.1%
45.7%	434	448	14	3.1%
46.9%	426	445	19	4.4%
48.1%	410	444	34	8.4%
49.4%	409	440	31	7.6%
50.6%	401	438	37	9.1%
51.9%	401	437	36	8.9%
53.1%	397	436	39	9.8%
54.3%	394	435	41	10.4%
55.6%	389	421	32	8.3%
56.8%	389	415	26	6.7%
58.0%	388	406	18	4.5%
59.3%	387	404	17	4.4%
60.5%	387	400	14	3.6%
61.7%	384	397	14	3.5%
63.0%	383	393	10	2.7%
64.2%	381	393	13	3.4%
65.4%	374	391	17	4.5%
66.7%	372	390	18	4.8%
67.9%	371	379	8	2.2%
69.1%	370	377	7	1.8%
70.4%	370	376	6	1.5%
71.6%	358	372	15	4.1%
72.8%	356	362	6	1.6%
74.1%	353	361	8	2.3%
75.3%	350	361	11	3.0%
76.5%	346	358	11	3.3%
77.8%	342	346	4	1.1%
79.0%	332	338	6	1.8%
80.2%	320	336	16	5.0%
81.5%	312	332	20	6.4%
82.7%	312	330	17	5.5%
84.0%	302	308	5	1.8%
85.2%	297	300	3	0.9%
86.4%	296	290	-5	-1.9%
87.7%	294	288	-6	-2.1%
88.9%	291	284	-7	-2.4%
90.1%	280	283	4	1.4%
91.4%	272	281	9	3.1%
92.6%	271	269	-2	-0.6%
93.8%	270	261	-9	-3.4%
95.1%	234	257	24	10.2%
96.3%	217	234	17	7.7%
97.5%	191	221	30	15.6%
98.8%	128	205	77	60.3%
100.0%	90	90	0	0.0%

Figure SW-25-b
Folsom Lake, End of Month Elevation
Probability of Exceedance

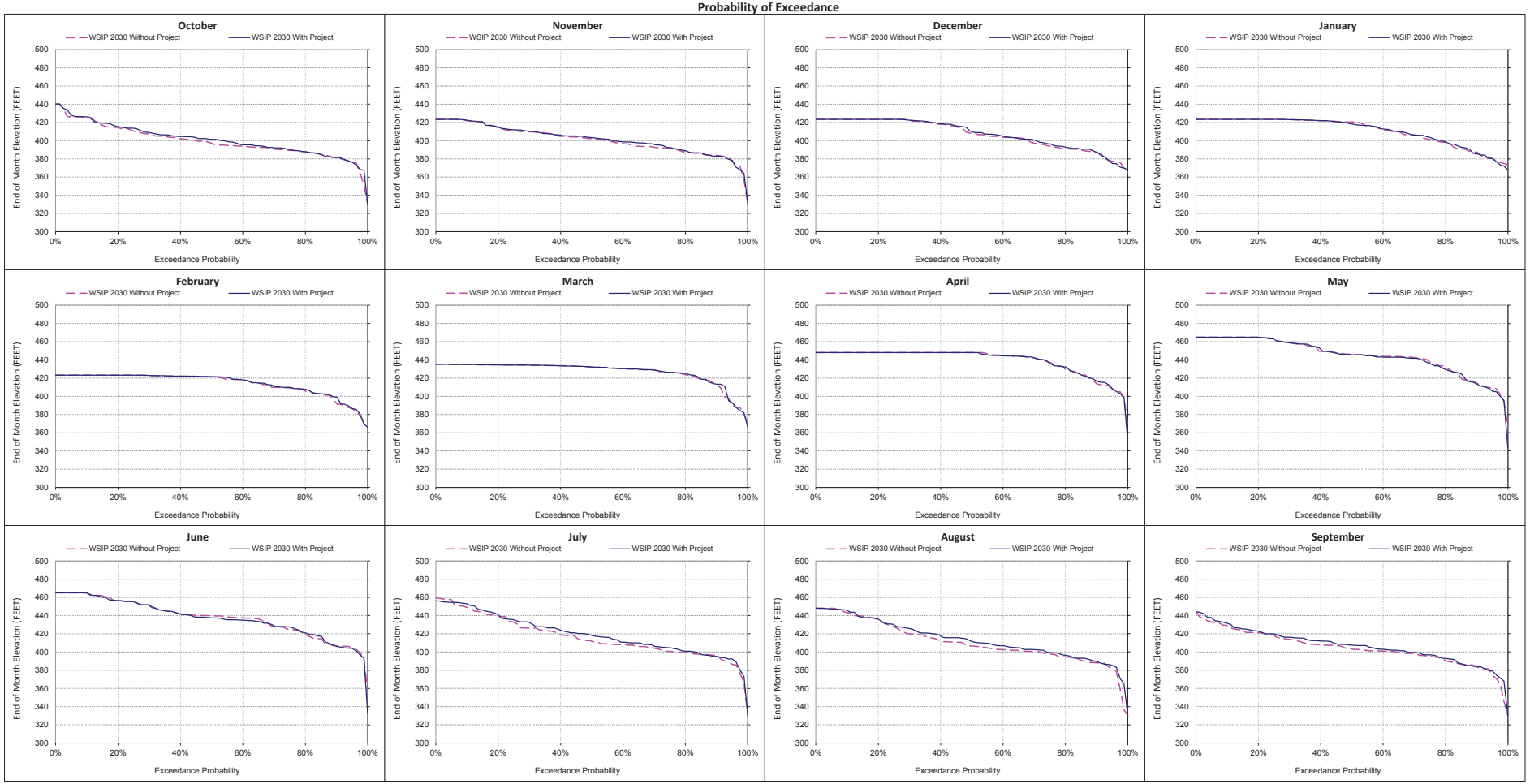


Table SW-25-b

Folsom Lake, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	440	440	0	0.0%
1.2%	440	440	0	0.0%
2.5%	436	436	0	-0.1%
3.7%	426	434	8	1.8%
4.9%	426	428	2	0.4%
6.2%	426	427	0	0.1%
7.4%	426	426	0	0.0%
8.6%	426	426	0	0.0%
9.9%	426	426	0	0.1%
11.1%	426	425	-1	-0.2%
12.3%	422	421	-2	-0.4%
13.6%	419	420	0	0.0%
14.8%	417	419	2	0.5%
16.0%	415	419	4	1.0%
17.3%	415	418	3	0.8%
18.5%	415	417	2	0.5%
19.8%	415	416	1	0.3%
21.0%	413	415	1	0.4%
22.2%	413	414	1	0.2%
23.5%	413	414	1	0.2%
24.7%	411	414	3	0.7%
25.9%	410	413	4	0.9%
27.2%	409	411	2	0.5%
28.4%	408	409	2	0.4%
29.6%	407	409	2	0.4%
30.9%	406	408	2	0.6%
32.1%	405	407	2	0.6%
33.3%	405	407	2	0.4%
34.6%	405	406	2	0.4%
35.8%	404	406	2	0.6%
37.0%	404	405	2	0.4%
38.3%	403	405	2	0.4%
39.5%	402	405	3	0.6%
40.7%	402	404	2	0.6%
42.0%	401	404	3	0.8%
43.2%	401	404	3	0.8%
44.4%	400	404	3	0.9%
45.7%	399	402	3	0.8%
46.9%	399	402	3	0.8%
48.1%	399	402	3	0.9%
49.4%	398	402	4	0.9%
50.6%	396	401	5	1.3%
51.9%	395	401	6	1.5%
53.1%	395	400	5	1.3%
54.3%	395	400	5	1.2%
55.6%	395	399	4	1.0%
56.8%	395	398	4	1.0%
58.0%	394	397	3	0.8%
59.3%	394	396	2	0.4%
60.5%	394	395	1	0.4%
61.7%	393	395	2	0.6%
63.0%	393	395	2	0.5%
64.2%	393	394	2	0.4%
65.4%	393	394	2	0.4%
66.7%	392	394	1	0.3%
67.9%	392	393	0	0.0%
69.1%	392	393	1	0.2%
70.4%	391	392	1	0.4%
71.6%	390	392	2	0.4%
72.8%	390	392	2	0.4%
74.1%	390	391	1	0.3%
75.3%	389	390	1	0.1%
76.5%	389	389	0	-0.1%
77.8%	389	389	0	0.1%
79.0%	388	388	0	0.0%
80.2%	388	388	0	0.0%
81.5%	387	387	0	0.1%
82.7%	386	387	0	0.0%
84.0%	386	386	0	-0.1%
85.2%	385	385	0	0.0%
86.4%	384	383	-1	-0.3%
87.7%	383	382	-1	-0.2%
88.9%	382	382	0	0.0%
90.1%	381	381	1	0.1%
91.4%	380	381	1	0.2%
92.6%	379	379	0	0.1%
93.8%	378	378	0	0.0%
95.1%	377	376	-1	-0.2%
96.3%	376	374	-2	-0.5%
97.5%	364	368	4	1.2%
98.8%	352	368	16	4.5%
100.0%	330	330	0	0.0%

November				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	423	423	0	0.0%
1.2%	423	423	0	0.0%
2.5%	423	423	0	0.0%
3.7%	423	423	0	0.0%
4.9%	423	423	0	0.0%
6.2%	423	423	0	0.0%
7.4%	423	423	0	0.0%
8.6%	423	423	0	0.0%
9.9%	422	422	1	0.1%
11.1%	422	422	0	0.0%
12.3%	422	421	0	-0.1%
13.6%	421	421	0	0.0%
14.8%	421	421	0	0.0%
16.0%	419	417	-3	-0.6%
17.3%	417	417	0	-0.1%
18.5%	416	416	0	0.0%
19.8%	414	415	1	0.2%
21.0%	414	413	0	-0.1%
22.2%	412	413	1	0.3%
23.5%	412	412	1	0.1%
24.7%	411	412	1	0.3%
25.9%	411	412	1	0.2%
27.2%	410	412	1	0.4%
28.4%	410	411	1	0.2%
29.6%	410	410	1	0.2%
30.9%	410	410	1	0.1%
32.1%	410	409	0	0.0%
33.3%	409	409	-1	-0.1%
34.6%	409	408	-1	-0.3%
35.8%	408	408	0	-0.1%
37.0%	407	407	0	0.0%
38.3%	407	406	-1	-0.2%
39.5%	405	406	1	0.3%
40.7%	405	405	1	0.2%
42.0%	404	405	1	0.2%
43.2%	404	405	1	0.2%
44.4%	404	405	1	0.3%
45.7%	404	405	1	0.2%
46.9%	403	405	2	0.4%
48.1%	403	404	1	0.3%
49.4%	402	403	1	0.3%
50.6%	402	403	1	0.3%
51.9%	402	403	1	0.2%
53.1%	401	402	1	0.2%
54.3%	400	402	2	0.5%
55.6%	400	401	2	0.4%
56.8%	398	400	1	0.3%
58.0%	398	399	2	0.4%
59.3%	398	399	1	0.4%
60.5%	397	399	2	0.5%
61.7%	396	399	2	0.6%
63.0%	395	398	3	0.8%
64.2%	394	398	4	1.0%
65.4%	394	397	4	0.9%
66.7%	394	397	4	1.0%
67.9%	394	397	3	0.8%
69.1%	393	397	3	0.8%
70.4%	393	395	3	0.7%
71.6%	392	395	3	0.8%
72.8%	392	395	3	0.7%
74.1%	392	393	1	0.3%
75.3%	391	392	1	0.3%
76.5%	391	391	0	0.0%
77.8%	390	391	1	0.2%
79.0%	388	389	2	0.4%
80.2%	388	389	1	0.3%
81.5%	387	387	0	0.0%
82.7%	386	387	0	0.1%
84.0%	386	386	0	0.1%
85.2%	385	386	1	0.3%
86.4%	384	385	0	0.1%
87.7%	384	384	0	0.0%
88.9%	384	383	-1	-0.2%
90.1%	384	383	-1	-0.2%
91.4%	383	383	-1	-0.2%
92.6%	382	382	0	-0.1%
93.8%	382	379	-2	-0.5%
95.1%	377	378	1	0.4%
96.3%	372	371	-1	-0.3%
97.5%	372	368	-3	-0.9%
98.8%	357	364	7	1.9%
100.0%	330	330	0	0.0%

December				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	423	423	0	0.0%
1.2%	423	423	0	0.0%
2.5%	423	423	0	0.0%
3.7%	423	423	0	0.0%
4.9%	423	423	0	0.0%
6.2%	423	423	0	0.0%
7.4%	423	423	0	0.0%
8.6%	423	423	0	0.0%
9.9%	423	423	0	0.0%
11.1%	423	423	0	0.0%
12.3%	423	423	0	0.0%
13.6%	423	423	0	0.0%
14.8%	423	423	0	0.0%
16.0%	423	423	0	0.0%
17.3%	423	423	0	0.0%
18.5%	423	423	0	0.0%
19.8%	423	423	0	0.0%
21.0%	423	423	0	0.0%
22.2%	423	423	0	0.0%
23.5%	423	423	0	0.0%
24.7%	423	423	0	0.0%
25.9%	423	423	0	0.0%
27.2%	423	423	0	0.0%
28.4%	423	423	0	-0.1%
29.6%	423	423	0	-0.1%
30.9%	421	422	1	0.2%
32.1%	421	422	1	0.2%
33.3%	421	422	1	0.1%
34.6%	421	421	1	0.2%
35.8%	420	421	0	0.1%
37.0%	419	420	1	0.1%
38.3%	418	419	1	0.3%
39.5%	418	419	1	0.2%
40.7%	418	418	0	0.0%
42.0%	418	418	1	0.1%
43.2%	417	418	1	0.4%
44.4%	416	417	0	0.1%
45.7%	415	416	1	0.3%
46.9%	414	415	1	0.3%
48.1%	409	415	5	1.3%
49.4%	408	411	2	0.6%
50.6%	408	409	1	0.3%
51.9%	407	409	2	0.5%
53.1%	407	409	2	0.6%
54.3%	406	407	1	0.2%
55.6%	405	407	2	0.5%
56.8%	405	407	2	0.5%
58.0%	405	406	1	0.3%
59.3%	404	405	1	0.3%
60.5%	404	404	1	0.2%
61.7%	404	404	0	0.1%
63.0%	403	403	0	0.0%
64.2%	403	403	0	-0.1%
65.4%	403	402	-1	-0.3%
66.7%	402	402	-1	-0.2%
67.9%	400	402	1	0.3%
69.1%	398	402	4	0.9%
70.4%	397	400	3	0.9%
71.6%	396	398	2	0.6%
72.8%	396	398	2	0.5%
74.1%	394	397	2	0.5%
75.3%	394	396	2	0.6%
76.5%	393	394	1	0.4%
77.8%	392	394	1	0.4%
79.0%	391	394	3	0.7%
80.2%	391	393	2	0.4%
81.5%	391	392	1	0.3%
82.7%	391	392	1	0.2%
84.0%	390	391	1	0.3%
85.2%	389	391	1	0.3%
86.4%	389	391	2	0.5%
87.7%	388	391	2	0.6%
88.9%	387	389	1	0.3%
90.1%	387	387	0	0.1%
91.4%	386	384	-2	-0.5%
92.6%	380	382	2	0.5%
93.8%	379	378	-1	-0.2%
95.1%	377	375	-2	-0.6%
96.3%	377	375	-3	-0.7%
97.5%	376	371	-5	-1.4%
98.8%	370	370	0	0.0%
100.0%	365	368	3	0.9%

January				
Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	423	423	0	0.0%
1.2%	423	423	0	0.0%
2.5%	423	423	0	0.0%
3.7%	423	423	0	0.0%
4.9%	423	423	0	0.0%
6.2%	423	423	0	0.0%
7.4%	423	423	0	0.0%
8.6%	423	423	0	0.0%
9.9%	423	423	0	0.0%
11.1%	423	423	0	0.0%
12.3%	423	423	0	0.0%
13.6%	423	423	0	0.0%
14.8%	423	423	0	0.0%
16.0%	423	423	0	0.0%
17.3%	423	423	0	0.0%
18.5%	423	423	0	0.0%
19.8%	423	423	0	0.0%
21.0%	423	423	0	0.0%
22.2%	423	423	0	0.0%
23.5%	423	423	0	0.0%
24.7%	423	423	0	0.0%
25.9%	423	423	0	0.0%
27.2%	423	423	0	0.0%
28.4%	423	423	0	0.0%
29.6%	423	423	0	0.0%
30.9%	423	423	0	0.0%
32.1%	423	423	0	0.0%
33.3%	423	423	0	0.0%
34.6%	423	423	0	0.0%
35.8%	422	423	0	0.1%
37.0%	422	422	0	0.0%
38.3%	422	422	0	0.1%
39.5%	422	422	0	0.0%
40.7%	422	422	0	0.0%
42.0%	422	422	0	0.0%
43.2%	421	421	0	0.0%
44.4%	421	421	-1	-0.1%
45.7%	421	420	0	-0.1%
46.9%	421	420	0	-0.1%
48.1%	420	420	-1	-0.2%
49.4%	420	419	-2	-0.4%
50.6%	420	418	-2	-0.6%
51.9%	420	417	-3	-0.7%
53.1%	419	417	-2	-0.5%
54.3%	417	417	0	0.0%
55.6%	416	417	1	0.1%
56.8%	416	416	0	0.0%
58.0%	414	415	1	0.2%
59.3%	413	413	0	0.1%
60.5%	412	413	1	0.2%
61.7%	411	412	1	0.2%
63.0%	410	411	1	0.2%
64.2%	410	410	0	0.0%
65.4%	409	410	1	0.2%
66.7%	407	409	3	0.6%
67.9%	406	408	2	0.4%
69.1%	406	407	1	0.1%
70.4%	406	406	0	0.0%
71.6%	406	406	0	0.0%
72.8%	403	406	3	0.7%
74.1%	402	404	2	0.6%
75.3%	401	403	2	0.6%
76.5%	401	402	1	0.2%
77.8%	399	401	2	0.4%
79.0%	398	400	1	0.4%
80.2%	398	398	0	0.1%
81.5%	396	396	0	0.1%
82.7%	393	396	3	0.8%
84.0%	391	394	3	0.9%
85.2%	391	393	2	0.5%
86.4%	391	392	1	0.3%
87.7%	388	391	2	0.6%
88.9%	388	386	-1	-0.4%
90.1%	387	385	-2	-0.5%
91.4%	384	384	1	0.2%
92.6%	381	384	3	0.7%
93.8%	381	381	0	-0.1%
95.1%	380	380	0	-0.1%
96.3%	377	377	0	-0.1%
97.5%	376	373	-3	-0.7%
98.8%	375	372	-3	-0.8%
100.0%	373	368	-5	-1.4%

Table SW-25-b

Folsom Lake, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	423	423	0	0.0%
1.2%	423	423	0	0.0%
2.5%	423	423	0	0.0%
3.7%	423	423	0	0.0%
4.9%	423	423	0	0.0%
6.2%	423	423	0	0.0%
7.4%	423	423	0	0.0%
8.6%	423	423	0	0.0%
9.9%	423	423	0	0.0%
11.1%	423	423	0	0.0%
12.3%	423	423	0	0.0%
13.6%	423	423	0	0.0%
14.8%	423	423	0	0.0%
16.0%	423	423	0	0.0%
17.3%	423	423	0	0.0%
18.5%	423	423	0	0.0%
19.8%	423	423	0	0.0%
21.0%	423	423	0	0.0%
22.2%	423	423	0	0.0%
23.5%	423	423	0	0.0%
24.7%	423	423	0	0.0%
25.9%	423	423	0	0.0%
27.2%	423	423	0	0.0%
28.4%	423	423	0	0.0%
29.6%	423	423	0	0.0%
30.9%	423	423	0	0.0%
32.1%	423	423	0	0.0%
33.3%	422	423	0	0.0%
34.6%	422	423	0	0.0%
35.8%	422	422	0	0.1%
37.0%	422	422	0	0.0%
38.3%	422	422	0	0.0%
39.5%	422	422	0	0.0%
40.7%	422	422	0	0.0%
42.0%	422	422	0	0.0%
43.2%	422	422	0	0.0%
44.4%	422	422	0	0.1%
45.7%	422	422	0	0.0%
46.9%	422	422	0	0.1%
48.1%	422	422	0	0.1%
49.4%	421	422	0	0.0%
50.6%	421	422	0	0.1%
51.9%	421	421	1	0.1%
53.1%	420	421	1	0.2%
54.3%	419	421	2	0.4%
55.6%	419	420	2	0.4%
56.8%	419	419	0	0.0%
58.0%	418	419	0	0.0%
59.3%	418	418	0	0.0%
60.5%	418	418	0	0.0%
61.7%	417	417	0	-0.1%
63.0%	415	415	0	0.0%
64.2%	415	415	0	0.0%
65.4%	414	414	0	0.0%
66.7%	413	414	2	0.4%
67.9%	413	413	0	0.1%
69.1%	410	412	2	0.6%
70.4%	410	411	1	0.2%
71.6%	410	411	1	0.2%
72.8%	410	410	0	0.0%
74.1%	409	410	0	0.1%
75.3%	409	410	1	0.2%
76.5%	408	408	0	0.0%
77.8%	408	408	0	0.1%
79.0%	408	408	0	0.1%
80.2%	405	408	2	0.6%
81.5%	405	406	1	0.3%
82.7%	404	404	0	0.0%
84.0%	403	403	0	0.0%
85.2%	402	403	1	0.2%
86.4%	401	402	1	0.2%
87.7%	401	402	1	0.2%
88.9%	397	400	2	0.6%
90.1%	391	399	8	1.9%
91.4%	391	392	0	0.1%
92.6%	390	391	2	0.4%
93.8%	388	390	2	0.5%
95.1%	387	387	0	0.0%
96.3%	383	386	3	0.7%
97.5%	379	381	2	0.4%
98.8%	372	369	-3	-0.8%
100.0%	372	366	-5	-1.4%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	435	435	0	0.0%
1.2%	435	435	0	0.0%
2.5%	435	435	0	0.0%
3.7%	435	435	0	0.0%
4.9%	435	435	0	0.0%
6.2%	435	435	0	0.0%
7.4%	435	435	0	0.0%
8.6%	435	435	0	0.0%
9.9%	435	435	0	0.0%
11.1%	435	435	0	0.0%
12.3%	435	435	0	0.0%
13.6%	435	435	0	0.0%
14.8%	435	435	0	0.0%
16.0%	435	435	0	0.0%
17.3%	435	435	0	0.0%
18.5%	435	435	0	0.0%
19.8%	435	435	0	0.0%
21.0%	434	434	0	0.0%
22.2%	434	434	0	0.0%
23.5%	434	434	0	0.0%
24.7%	434	434	0	0.0%
25.9%	434	434	0	0.0%
27.2%	434	434	0	0.0%
28.4%	434	434	0	0.0%
29.6%	434	434	0	0.0%
30.9%	434	434	0	0.0%
32.1%	434	434	0	0.0%
33.3%	434	434	0	0.0%
34.6%	434	434	0	0.0%
35.8%	434	434	0	-0.1%
37.0%	434	434	0	0.0%
38.3%	434	434	0	0.0%
39.5%	434	434	0	0.0%
40.7%	434	433	0	0.0%
42.0%	433	433	0	0.0%
43.2%	433	433	0	0.0%
44.4%	433	433	0	0.0%
45.7%	433	433	0	0.0%
46.9%	433	433	0	0.0%
48.1%	433	433	0	0.0%
49.4%	432	432	0	0.0%
50.6%	432	432	0	0.0%
51.9%	432	432	0	0.0%
53.1%	432	432	0	0.0%
54.3%	432	432	0	0.0%
55.6%	432	431	-1	-0.2%
56.8%	431	431	0	0.0%
58.0%	431	431	0	-0.1%
59.3%	431	431	0	0.0%
60.5%	430	430	0	0.0%
61.7%	430	430	0	0.0%
63.0%	430	430	0	0.0%
64.2%	430	430	0	0.0%
65.4%	430	430	0	0.0%
66.7%	429	429	0	0.0%
67.9%	429	429	0	0.0%
69.1%	429	429	0	0.0%
70.4%	429	429	0	0.0%
71.6%	427	428	0	0.1%
72.8%	427	427	1	0.2%
74.1%	426	427	0	0.1%
75.3%	426	426	0	0.0%
76.5%	426	426	0	0.1%
77.8%	426	426	0	0.0%
79.0%	425	425	1	0.1%
80.2%	424	425	1	0.3%
81.5%	423	424	1	0.2%
82.7%	422	423	1	0.3%
84.0%	420	421	2	0.4%
85.2%	419	419	0	0.0%
86.4%	418	419	1	0.1%
87.7%	417	416	-2	-0.4%
88.9%	415	414	-1	-0.2%
90.1%	413	413	1	0.2%
91.4%	409	413	4	1.0%
92.6%	399	411	12	3.0%
93.8%	398	395	-2	-0.6%
95.1%	390	393	3	0.8%
96.3%	388	388	0	-0.1%
97.5%	388	384	-3	-0.9%
98.8%	380	382	2	0.4%
100.0%	370	366	-4	-1.2%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	448	448	0	0.0%
1.2%	448	448	0	0.0%
2.5%	448	448	0	0.0%
3.7%	448	448	0	0.0%
4.9%	448	448	0	0.0%
6.2%	448	448	0	0.0%
7.4%	448	448	0	0.0%
8.6%	448	448	0	0.0%
9.9%	448	448	0	0.0%
11.1%	448	448	0	0.0%
12.3%	448	448	0	0.0%
13.6%	448	448	0	0.0%
14.8%	448	448	0	0.0%
16.0%	448	448	0	0.0%
17.3%	448	448	0	0.0%
18.5%	448	448	0	0.0%
19.8%	448	448	0	0.0%
21.0%	448	448	0	0.0%
22.2%	448	448	0	0.0%
23.5%	448	448	0	0.0%
24.7%	448	448	0	0.0%
25.9%	448	448	0	0.0%
27.2%	448	448	0	0.0%
28.4%	448	448	0	0.0%
29.6%	448	448	0	0.0%
30.9%	448	448	0	0.0%
32.1%	448	448	0	0.0%
33.3%	448	448	0	0.0%
34.6%	448	448	0	0.0%
35.8%	448	448	0	0.0%
37.0%	448	448	0	0.0%
38.3%	448	448	0	0.0%
39.5%	448	448	0	0.0%
40.7%	448	448	0	0.0%
42.0%	448	448	0	0.0%
43.2%	448	448	0	0.0%
44.4%	448	448	0	0.0%
45.7%	448	448	0	0.0%
46.9%	448	448	0	0.0%
48.1%	448	448	0	0.0%
49.4%	448	448	0	0.0%
50.6%	448	448	0	0.0%
51.9%	448	448	0	0.0%
53.1%	448	446	-2	-0.4%
54.3%	447	446	-2	-0.4%
55.6%	446	445	0	-0.1%
56.8%	446	445	0	-0.1%
58.0%	445	445	0	-0.1%
59.3%	445	445	0	-0.1%
60.5%	445	444	-1	-0.1%
61.7%	445	444	-1	-0.1%
63.0%	444	444	0	0.0%
64.2%	444	444	0	-0.1%
65.4%	444	444	0	0.0%
66.7%	444	444	0	-0.1%
67.9%	443	443	0	0.0%
69.1%	443	443	0	0.1%
70.4%	442	442	0	0.0%
71.6%	440	441	0	0.1%
72.8%	439	440	1	0.2%
74.1%	438	439	0	0.1%
75.3%	437	436	-1	-0.3%
76.5%	433	433	0	0.0%
77.8%	433	433	0	0.0%
79.0%	433	433	0	-0.1%
80.2%	429	432	3	0.7%
81.5%	428	428	0	0.0%
82.7%	427	427	1	0.2%
84.0%	425	425	0	0.0%
85.2%	423	423	0	0.0%
86.4%	423	422	-1	-0.3%
87.7%	420	420	0	0.1%
88.9%	417	419	2	0.4%
90.1%	414	417	3	0.7%
91.4%	413	416	3	0.7%
92.6%	413	415	3	0.7%
93.8%	412	413	1	0.2%
95.1%	408	408	0	0.1%
96.3%	405	405	0	0.0%
97.5%	405	403	-2	-0.5%
98.8%	398	399	1	0.4%
100.0%	366	349	-17	-4.6%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	465	465	0	0.0%
1.2%	465	465	0	0.0%
2.5%	465	465	0	0.0%
3.7%	465	465	0	0.0%
4.9%	465	465	0	0.0%
6.2%	465	465	0	0.0%
7.4%	465	465	0	0.0%
8.6%	465	465	0	0.0%
9.9%	465	465	0	0.0%
11.1%	465	465	0	0.0%
12.3%	465	465	0	0.0%
13.6%	465	465	0	0.0%
14.8%	465	465	0	0.0%
16.0%	465	465	0	0.0%
17.3%	465	465	0	0.0%
18.5%	465	465	0	0.0%
19.8%	465	465	0	0.0%
21.0%	465	465	0	0.0%
22.2%	464	464	0	0.0%
23.5%	464	463	-1	-0.2%
24.7%	463	463	0	0.0%
25.9%	461	461	0	0.0%
27.2%	460	460	0	0.0%
28.4%	460	460	0	0.0%
29.6%	459	459	0	0.0%
30.9%	459	458	0	-0.1%
32.1%	458	458	1	0.1%
33.3%	457	458	0	0.0%
34.6%	457	457	0	0.0%
35.8%	455	457	2	0.4%
37.0%	455	455	1	0.1%
38.3%	454	455	0	0.1%
39.5%	450	453	4	0.8%
40.7%	449	450	0	0.0%
42.0%	449	449	0	0.0%
43.2%	449	449	0	-0.1%
44.4%	448	448	0	-0.1%
45.7%	447	447	-1	-0.1%
46.9%	447	446	-1	-0.2%
48.1%	446	446	-1	-0.1%
49.4%	446	446	0	-0.1%
50.6%	446	446	0	-0.1%
51.9%	446	446	0	-0.1%
53.1%	446	445	0	-0.1%
54.3%	445	445	-1	-0.2%
55.6%	445	445	-1	-0.1%
56.8%	445	444	0	-0.1%
58.0%	444	443	-1	-0.2%
59.3%	444	443	-1	-0.2%
60.5%	444	443	-1	-0.2%
61.7%	444	443	-1	-0.2%
63.0%	444	443	-1	-0.2%
64.2%	444	443	-1	-0.2%
65.4%	444	443	-1	-0.2%
66.7%	443	443	-1	-0.1%
67.9%	443	442	-1	-0.2%
69.1%	443	442	-1	-0.2%
70.4%	442	442	-1	-0.2%
71.6%	442	441	-1	-0.1%
72.8%	441	439	-2	-0.4%
74.1%	440	437	-3	-0.7%
75.3%	437	435	-1	-0.3%
76.5%	435	434	-2	-0.4%
77.8%	434	433	0	-0.1%
79.0%	434	431	-3	-0.6%
80.2%	432	429	-2	-0.5%
81.5%	429	428	-1	-0.2%
82.7%	426	427	1	0.2%
84.0%	425	426	1	0.1%
85.2%	419	424	5	1.3%
86.4%	418	419	1	0.2%
87.7%	417	416	-1	-0.2%
88.9%	416	416	-1	-0.2%
90.1%	414	413	-1	-0.2%
91.4%	412	411	-1	-0.2%
92.6%	411	410	0	-0.1%
93.8%	410	409	-1	-0.2%
95.1%	409	406	-4	-0.9%
96.3%	408	405	-3	-0.8%
97.5%	402	400	-2	-0.5%
98.8%	394	395	1	0.4%
100.0%	365	343	-22	-6.0%

Table SW-25-b

Folsom Lake, End of Month Elevation

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	465	465	0	0.0%
1.2%	465	465	0	0.0%
2.5%	465	465	0	0.0%
3.7%	465	465	0	0.0%
4.9%	465	465	0	0.0%
6.2%	465	465	0	0.0%
7.4%	465	465	0	0.0%
8.6%	465	465	0	0.0%
9.9%	465	465	0	0.0%
11.1%	463	463	-1	-0.2%
12.3%	463	462	0	-0.1%
13.6%	462	462	0	-0.1%
14.8%	462	460	-2	-0.4%
16.0%	460	460	0	-0.1%
17.3%	460	457	-3	-0.6%
18.5%	457	457	0	0.0%
19.8%	457	457	0	0.0%
21.0%	456	456	1	0.2%
22.2%	456	456	0	0.0%
23.5%	455	456	0	0.0%
24.7%	455	455	0	0.0%
25.9%	454	454	0	0.1%
27.2%	452	452	0	0.0%
28.4%	452	452	0	0.0%
29.6%	452	452	0	0.0%
30.9%	449	450	1	0.2%
32.1%	448	448	0	0.0%
33.3%	446	446	0	0.0%
34.6%	446	446	0	0.0%
35.8%	445	445	0	0.0%
37.0%	444	445	1	0.2%
38.3%	443	443	0	0.0%
39.5%	442	442	0	0.0%
40.7%	442	441	-1	-0.1%
42.0%	441	441	0	-0.1%
43.2%	441	440	-1	-0.2%
44.4%	440	439	-2	-0.4%
45.7%	440	438	-2	-0.4%
46.9%	440	438	-2	-0.4%
48.1%	440	438	-2	-0.5%
49.4%	440	438	-2	-0.5%
50.6%	440	437	-2	-0.5%
51.9%	440	437	-2	-0.5%
53.1%	440	437	-3	-0.6%
54.3%	439	436	-3	-0.6%
55.6%	438	435	-3	-0.6%
56.8%	438	435	-3	-0.6%
58.0%	438	435	-2	-0.6%
59.3%	438	435	-2	-0.5%
60.5%	437	435	-2	-0.6%
61.7%	437	434	-3	-0.6%
63.0%	437	434	-3	-0.6%
64.2%	437	434	-3	-0.7%
65.4%	436	433	-3	-0.6%
66.7%	434	432	-2	-0.4%
67.9%	432	432	-1	-0.1%
69.1%	428	430	2	0.4%
70.4%	428	428	0	0.1%
71.6%	428	428	0	0.1%
72.8%	427	428	1	0.1%
74.1%	425	428	2	0.5%
75.3%	425	427	3	0.6%
76.5%	424	426	1	0.3%
77.8%	423	424	1	0.2%
79.0%	421	422	1	0.2%
80.2%	419	421	2	0.4%
81.5%	417	419	2	0.6%
82.7%	415	419	4	1.0%
84.0%	415	418	3	0.7%
85.2%	415	417	3	0.7%
86.4%	409	411	2	0.6%
87.7%	408	410	1	0.3%
88.9%	407	408	1	0.2%
90.1%	407	406	-1	-0.2%
91.4%	407	405	-1	-0.3%
92.6%	406	404	-2	-0.4%
93.8%	406	404	-2	-0.5%
95.1%	404	404	0	-0.1%
96.3%	403	401	-2	-0.4%
97.5%	399	397	-3	-0.7%
98.8%	392	393	1	0.2%
100.0%	357	333	-24	-6.9%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	460	456	-3	-0.8%
1.2%	459	456	-3	-0.6%
2.5%	458	455	-3	-0.7%
3.7%	458	455	-3	-0.8%
4.9%	458	455	-3	-0.6%
6.2%	451	455	4	0.8%
7.4%	451	454	3	0.8%
8.6%	451	454	3	0.7%
9.9%	449	453	4	0.9%
11.1%	449	451	2	0.5%
12.3%	445	451	6	1.4%
13.6%	445	447	2	0.5%
14.8%	444	446	3	0.6%
16.0%	442	445	3	0.7%
17.3%	441	444	3	0.8%
18.5%	441	443	2	0.5%
19.8%	440	441	1	0.2%
21.0%	439	437	-2	-0.5%
22.2%	439	437	-2	-0.5%
23.5%	434	436	2	0.6%
24.7%	433	436	3	0.6%
25.9%	431	434	3	0.8%
27.2%	427	433	7	1.5%
28.4%	426	433	7	1.6%
29.6%	426	433	7	1.6%
30.9%	426	431	5	1.1%
32.1%	426	428	2	0.4%
33.3%	424	428	4	0.8%
34.6%	424	428	4	0.8%
35.8%	423	427	3	0.8%
37.0%	423	426	3	0.8%
38.3%	422	426	5	1.1%
39.5%	419	425	5	1.3%
40.7%	419	423	4	1.1%
42.0%	418	422	4	0.9%
43.2%	418	421	3	0.8%
44.4%	418	421	3	0.8%
45.7%	414	420	6	1.6%
46.9%	413	420	7	1.7%
48.1%	413	420	7	1.7%
49.4%	412	419	6	1.5%
50.6%	411	418	7	1.7%
51.9%	411	417	7	1.6%
53.1%	409	417	7	1.8%
54.3%	409	416	7	1.8%
55.6%	409	416	7	1.8%
56.8%	409	414	6	1.4%
58.0%	408	414	5	1.3%
59.3%	408	411	3	0.7%
60.5%	408	411	3	0.7%
61.7%	408	410	3	0.7%
63.0%	407	410	3	0.6%
64.2%	407	410	3	0.8%
65.4%	406	410	4	1.0%
66.7%	406	408	2	0.6%
67.9%	405	408	3	0.7%
69.1%	405	408	3	0.6%
70.4%	404	406	2	0.5%
71.6%	403	406	3	0.6%
72.8%	401	405	4	1.0%
74.1%	401	405	4	1.0%
75.3%	401	405	4	1.0%
76.5%	400	404	4	0.9%
77.8%	400	403	3	0.8%
79.0%	399	401	2	0.4%
80.2%	399	401	2	0.4%
81.5%	399	401	2	0.4%
82.7%	398	400	3	0.6%
84.0%	398	399	2	0.5%
85.2%	398	397	0	-0.1%
86.4%	397	397	-1	-0.2%
87.7%	397	396	0	-0.1%
88.9%	396	395	-1	-0.3%
90.1%	396	395	-1	-0.3%
91.4%	392	394	2	0.4%
92.6%	390	394	4	0.9%
93.8%	389	392	3	0.8%
95.1%	386	392	6	1.5%
96.3%	386	389	3	0.9%
97.5%	376	380	4	1.1%
98.8%	367	373	6	1.8%
100.0%	330	330	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	448	448	0	0.1%
1.2%	448	448	0	0.0%
2.5%	448	448	0	0.0%
3.7%	448	448	0	-0.1%
4.9%	448	447	-1	-0.2%
6.2%	448	447	-1	-0.2%
7.4%	445	447	2	0.5%
8.6%	445	447	2	0.4%
9.9%	443	446	3	0.6%
11.1%	443	444	1	0.1%
12.3%	440	444	4	0.8%
13.6%	440	439	0	-0.1%
14.8%	440	438	-2	-0.4%
16.0%	439	438	-1	-0.2%
17.3%	438	438	0	-0.1%
18.5%	437	437	0	0.1%
19.8%	436	436	1	0.1%
21.0%	433	434	1	0.3%
22.2%	433	431	-2	-0.4%
23.5%	429	431	2	0.4%
24.7%	428	430	3	0.6%
25.9%	426	428	2	0.4%
27.2%	423	427	4	1.0%
28.4%	422	427	5	1.3%
29.6%	420	426	6	1.4%
30.9%	420	425	5	1.3%
32.1%	419	423	4	0.9%
33.3%	419	421	2	0.5%
34.6%	419	421	2	0.6%
35.8%	416	421	5	1.2%
37.0%	416	420	5	1.1%
38.3%	415	420	5	1.2%
39.5%	413	419	6	1.5%
40.7%	411	416	5	1.1%
42.0%	411	416	5	1.1%
43.2%	411	416	5	1.2%
44.4%	411	416	5	1.2%
45.7%	411	416	5	1.2%
46.9%	410	415	5	1.2%
48.1%	407	414	7	1.8%
49.4%	407	413	6	1.5%
50.6%	406	411	5	1.1%
51.9%	406	410	4	1.0%
53.1%	405	410	5	1.1%
54.3%	405	410	5	1.2%
55.6%	404	409	5	1.3%
56.8%	404	408	4	1.1%
58.0%	403	407	4	1.1%
59.3%	403	407	4	1.0%
60.5%	403	407	4	1.1%
61.7%	402	406	3	0.8%
63.0%	402	405	3	0.8%
64.2%	402	405	3	0.8%
65.4%	402	405	3	0.8%
66.7%	401	403	2	0.5%
67.9%	401	403	2	0.5%
69.1%	401	403	2	0.5%
70.4%	400	402	2	0.5%
71.6%	400	402	2	0.5%
72.8%	399	402	3	0.8%
74.1%	398	400	1	0.4%
75.3%	398	399	2	0.4%
76.5%	397	399	2	0.5%
77.8%	395	398	3	0.9%
79.0%	395	397	2	0.5%
80.2%	394	396	2	0.5%
81.5%	394	395	1	0.3%
82.7%	393	393	0	0.0%
84.0%	393	393	1	0.1%
85.2%	391	393	2	0.6%
86.4%	390	393	3	0.8%
87.7%	389	392	3	0.8%
88.9%	388	390	2	0.5%
90.1%	388	389	1	0.4%
91.4%	388	388	0	0.0%
92.6%	388	387	-1	-0.2%
93.8%	384	386	3	0.7%
95.1%	381	385	4	1.0%
96.3%	379	383	4	1.1%
97.5%	359	371	12	3.2%
98.8%	337	365	28	8.4%
100.0%	330	330	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Elevation (FEET)	WSIP 2030 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	444	444	0	0.0%
1.2%	439	444	5	1.1%
2.5%	437	442	5	1.2%
3.7%	434	438	4	0.9%
4.9%	433	438	5	1.2%
6.2%	432	434	2	0.5%
7.4%	432	434	2	0.4%
8.6%	430	433	3	0.8%
9.9%	429	432	3	0.6%
11.1%	426	430	4	0.9%
12.3%	425	426	1	0.3%
13.6%	425	426	2	0.4%
14.8%	424	425	2	0.4%
16.0%	422	425	4	0.8%
17.3%	422	424	3	0.7%
18.5%	421	423	2	0.5%
19.8%	421	423	2	0.4%
21.0%	421	422	1	0.1%
22.2%	420	420	0	0.0%
23.5%	420	420	0	0.0%
24.7%	419	420	1	0.3%
25.9%	416	419	3	0.7%
27.2%	415	417	2	0.5%
28.4%	415	416	2	0.4%
29.6%	414	416	2	0.5%
30.9%	413	416	3	0.6%
32.1%	412	415	3	0.8%
33.3%	412	415	3	0.8%
34.6%	410	415	5	1.2%
35.8%	409	414	4	1.0%
37.0%	408	413	4	1.0%
38.3%	408	413	4	1.0%
39.5%	408	412	4	1.1%
40.7%	407	412	5	1.1%
42.0%	407	412	5	1.1%
43.2%	407	412	4	1.0%
44.4%	407	409	2	0.5%
45.7%	407	409	2	0.4%
46.9%	406	408	2	0.6%
48.1%	404	408	4	1.0%
49.4%	404	408	4	0.9%
50.6%	403	407	5	1.1%
51.9%	403	407	4	1.1%
53.1%	402	407	5	1.2%
54.3%	402	407	5	1.3%
55.6%	401	405	4	1.0%
56.8%	401	405	3	0.8%
58.0%	401	403	2	0.5%
59.3%	401	403	2	0.5%
60.5%	401	403	2	0.4%
61.7%	401	402	2	0.4%
63.0%	400	402	1	0.4%
64.2%	400	402	2	0.4%
65.4%	399	402	3	0.6%
66.7%	399	402	3	0.7%
67.9%	398	400	1	0.3%
69.1%	398	399	1	0.3%
70.4%	398	399	1	0.2%
71.6%	396	399	2	0.6%
72.8%	396	397	1	0.2%
74.1%	396	397	1	0.3%
75.3%	395	397	2	0.4%
76.5%	395	396	2	0.5%
77.8%	394	394	1	0.1%
79.0%	392	393	1	0.2%
80.2%	390	393	3	0.7%
81.5%	389	392	3	0.8%
82.7%	389	392	3	0.7%
84.0%	387	388	1	0.2%
85.2%	387	387	0	0.1%
86.4%	386	385	-1	-0.2%
87.7%	386	385	-1	-0.3%
88.9%	386	384	-1	-0.3%
90.1%	383	384	1	0.2%
91.4%	382	384	2	0.4%
92.6%	382	381	0	-0.1%
93.8%	382	380	-2	-0.5%
95.1%	374	379	5	1.3%
96.3%	371	374	4	1.0%
97.5%	365	371	7	1.9%
98.8%	345	368	23	6.5%
100.0%	330	330	0	0.0%

Figure SW-26-b
Folsom Lake, End of Month Area
Probability of Exceedance

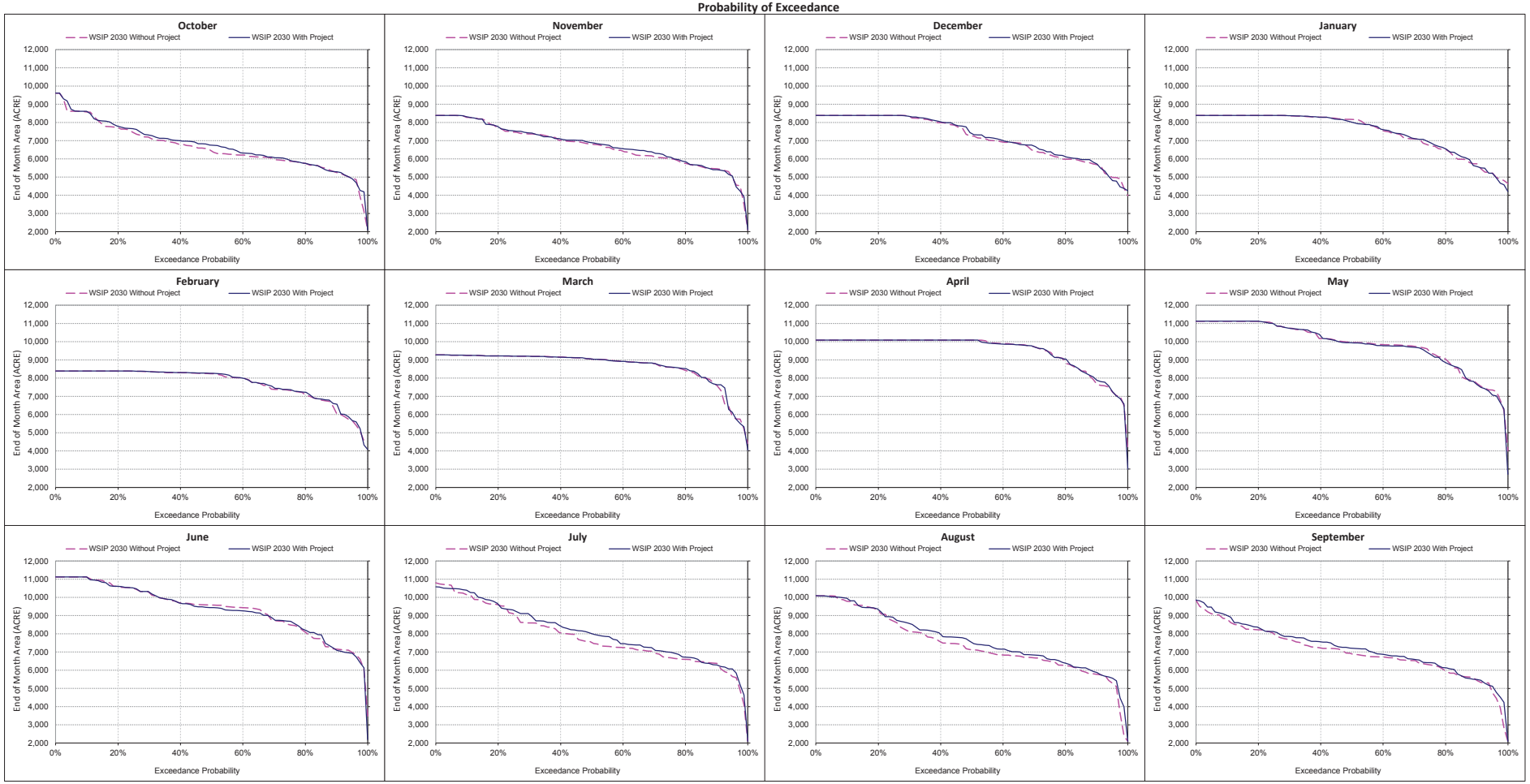


Table SW-26-b

Folsom Lake, End of Month Area

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,609	9,609	0	0.0%
1.2%	9,609	9,609	0	0.0%
2.5%	9,316	9,298	-17	-0.2%
3.7%	8,615	9,179	564	6.5%
4.9%	8,615	8,729	113	1.3%
6.2%	8,615	8,633	18	0.2%
7.4%	8,615	8,615	0	0.0%
8.6%	8,605	8,615	10	0.1%
9.9%	8,580	8,610	30	0.3%
11.1%	8,563	8,491	-72	-0.8%
12.3%	8,308	8,196	-113	-1.4%
13.6%	8,099	8,107	8	0.1%
14.8%	7,923	8,079	156	2.0%
16.0%	7,783	8,078	295	3.8%
17.3%	7,769	8,022	253	3.3%
18.5%	7,748	7,896	149	1.9%
19.8%	7,727	7,806	79	1.0%
21.0%	7,636	7,745	109	1.4%
22.2%	7,633	7,683	50	0.7%
23.5%	7,599	7,674	75	1.0%
24.7%	7,461	7,664	203	2.7%
25.9%	7,354	7,616	262	3.6%
27.2%	7,301	7,467	166	2.3%
28.4%	7,209	7,343	134	1.9%
29.6%	7,202	7,319	116	1.6%
30.9%	7,092	7,268	176	2.5%
32.1%	7,021	7,192	170	2.4%
33.3%	7,016	7,132	116	1.6%
34.6%	7,007	7,124	117	1.7%
35.8%	6,944	7,118	175	2.5%
37.0%	6,920	7,047	128	1.8%
38.3%	6,880	7,014	134	1.9%
39.5%	6,801	6,995	194	2.8%
40.7%	6,798	6,979	182	2.7%
42.0%	6,734	6,973	240	3.6%
43.2%	6,716	6,961	245	3.6%
44.4%	6,667	6,925	258	3.9%
45.7%	6,596	6,827	230	3.5%
46.9%	6,595	6,825	230	3.5%
48.1%	6,568	6,821	254	3.9%
49.4%	6,491	6,760	269	4.1%
50.6%	6,362	6,745	383	6.0%
51.9%	6,288	6,736	448	7.1%
53.1%	6,288	6,654	366	5.8%
54.3%	6,280	6,626	346	5.5%
55.6%	6,250	6,547	297	4.8%
56.8%	6,246	6,524	277	4.4%
58.0%	6,216	6,445	229	3.7%
59.3%	6,208	6,332	124	2.0%
60.5%	6,207	6,312	105	1.7%
61.7%	6,135	6,309	173	2.8%
63.0%	6,135	6,288	153	2.5%
64.2%	6,108	6,223	115	1.9%
65.4%	6,101	6,222	121	2.0%
66.7%	6,096	6,187	91	1.5%
67.9%	6,091	6,100	9	0.2%
69.1%	6,049	6,098	49	0.8%
70.4%	5,955	6,062	108	1.8%
71.6%	5,941	6,053	113	1.9%
72.8%	5,918	6,046	128	2.2%
74.1%	5,890	5,982	92	1.6%
75.3%	5,864	5,901	37	0.6%
76.5%	5,862	5,847	-15	-0.3%
77.8%	5,807	5,836	29	0.5%
79.0%	5,775	5,776	0	0.0%
80.2%	5,744	5,752	7	0.1%
81.5%	5,658	5,692	34	0.6%
82.7%	5,655	5,660	5	0.1%
84.0%	5,635	5,613	-21	-0.4%
85.2%	5,529	5,517	-12	-0.2%
86.4%	5,487	5,402	-85	-1.6%
87.7%	5,398	5,338	-60	-1.1%
88.9%	5,309	5,306	-3	-0.1%
90.1%	5,244	5,282	39	0.7%
91.4%	5,189	5,247	59	1.1%
92.6%	5,103	5,122	20	0.4%
93.8%	5,010	5,017	8	0.2%
95.1%	4,950	4,908	-42	-0.8%
96.3%	4,858	4,696	-162	-3.3%
97.5%	3,928	4,265	337	8.6%
98.8%	3,141	4,196	1,055	33.6%
100.0%	2,091	2,091	0	0.0%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,385	8,385	0	0.0%
1.2%	8,385	8,385	0	0.0%
2.5%	8,385	8,385	0	0.0%
3.7%	8,385	8,385	0	0.0%
4.9%	8,385	8,385	0	0.0%
6.2%	8,385	8,385	0	0.0%
7.4%	8,373	8,385	12	0.1%
8.6%	8,366	8,366	0	0.0%
9.9%	8,280	8,321	40	0.5%
11.1%	8,275	8,271	-4	-0.1%
12.3%	8,258	8,236	-22	-0.3%
13.6%	8,199	8,193	-6	-0.1%
14.8%	8,191	8,191	0	0.0%
16.0%	8,094	7,904	-190	-2.3%
17.3%	7,915	7,889	-26	-0.3%
18.5%	7,850	7,859	9	0.1%
19.8%	7,720	7,783	63	0.8%
21.0%	7,659	7,641	-18	-0.2%
22.2%	7,524	7,619	95	1.3%
23.5%	7,510	7,555	46	0.6%
24.7%	7,473	7,550	77	1.0%
25.9%	7,459	7,521	62	0.8%
27.2%	7,399	7,510	111	1.5%
28.4%	7,395	7,453	58	0.8%
29.6%	7,370	7,423	53	0.7%
30.9%	7,367	7,410	43	0.6%
32.1%	7,354	7,347	-7	-0.1%
33.3%	7,339	7,298	-42	-0.6%
34.6%	7,298	7,221	-77	-1.1%
35.8%	7,247	7,218	-29	-0.4%
37.0%	7,182	7,196	15	0.2%
38.3%	7,173	7,121	-52	-0.7%
39.5%	7,009	7,113	103	1.5%
40.7%	7,006	7,053	47	0.7%
42.0%	6,974	7,033	59	0.8%
43.2%	6,955	7,029	75	1.1%
44.4%	6,948	7,029	81	1.2%
45.7%	6,943	7,018	75	1.1%
46.9%	6,897	7,014	116	1.7%
48.1%	6,846	6,947	101	1.5%
49.4%	6,814	6,898	84	1.2%
50.6%	6,795	6,871	76	1.1%
51.9%	6,777	6,837	59	0.9%
53.1%	6,737	6,801	64	1.0%
54.3%	6,632	6,779	147	2.2%
55.6%	6,631	6,750	119	1.8%
56.8%	6,528	6,620	92	1.4%
58.0%	6,470	6,599	129	2.0%
59.3%	6,468	6,571	104	1.6%
60.5%	6,390	6,539	149	2.3%
61.7%	6,370	6,537	167	2.6%
63.0%	6,286	6,514	228	3.6%
64.2%	6,202	6,488	285	4.6%
65.4%	6,189	6,458	269	4.3%
66.7%	6,182	6,456	274	4.4%
67.9%	6,176	6,401	225	3.6%
69.1%	6,164	6,392	228	3.7%
70.4%	6,099	6,304	205	3.4%
71.6%	6,067	6,288	221	3.6%
72.8%	6,057	6,245	188	3.1%
74.1%	6,035	6,115	80	1.3%
75.3%	6,015	6,093	78	1.3%
76.5%	5,978	5,991	14	0.2%
77.8%	5,888	5,955	67	1.1%
79.0%	5,757	5,872	115	2.0%
80.2%	5,750	5,828	78	1.4%
81.5%	5,692	5,692	0	0.0%
82.7%	5,636	5,672	36	0.6%
84.0%	5,632	5,657	25	0.4%
85.2%	5,562	5,638	77	1.4%
86.4%	5,506	5,528	22	0.4%
87.7%	5,483	5,471	-12	-0.2%
88.9%	5,466	5,405	-61	-1.1%
90.1%	5,454	5,404	-51	-0.9%
91.4%	5,425	5,373	-52	-1.0%
92.6%	5,357	5,330	-27	-0.5%
93.8%	5,296	5,146	-150	-2.8%
95.1%	4,971	5,068	96	1.9%
96.3%	4,557	4,456	-101	-2.2%
97.5%	4,521	4,236	-285	-6.3%
98.8%	3,496	3,923	427	12.2%
100.0%	2,101	2,101	0	0.0%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,389	8,385	-5	-0.1%
1.2%	8,385	8,385	0	0.0%
2.5%	8,385	8,385	0	0.0%
3.7%	8,385	8,385	0	0.0%
4.9%	8,385	8,385	0	0.0%
6.2%	8,385	8,385	0	0.0%
7.4%	8,385	8,385	0	0.0%
8.6%	8,385	8,385	0	0.0%
9.9%	8,385	8,385	0	0.0%
11.1%	8,385	8,385	0	0.0%
12.3%	8,385	8,385	0	0.0%
13.6%	8,385	8,385	0	0.0%
14.8%	8,385	8,385	0	0.0%
16.0%	8,385	8,385	0	0.0%
17.3%	8,385	8,385	0	0.0%
18.5%	8,385	8,385	0	0.0%
19.8%	8,385	8,385	0	0.0%
21.0%	8,385	8,385	0	0.0%
22.2%	8,385	8,385	0	0.0%
23.5%	8,385	8,385	0	0.0%
24.7%	8,385	8,385	0	0.0%
25.9%	8,385	8,385	0	0.0%
27.2%	8,385	8,385	0	0.0%
28.4%	8,383	8,366	-17	-0.2%
29.6%	8,366	8,336	-30	-0.4%
30.9%	8,240	8,299	58	0.7%
32.1%	8,237	8,295	57	0.7%
33.3%	8,219	8,263	44	0.5%
34.6%	8,179	8,240	61	0.7%
35.8%	8,164	8,201	37	0.5%
37.0%	8,099	8,142	43	0.5%
38.3%	8,008	8,093	85	1.1%
39.5%	7,989	8,051	62	0.8%
40.7%	7,989	7,999	10	0.1%
42.0%	7,951	7,990	39	0.5%
43.2%	7,878	7,989	111	1.4%
44.4%	7,853	7,878	25	0.3%
45.7%	7,731	7,820	89	1.2%
46.9%	7,701	7,799	98	1.3%
48.1%	7,350	7,753	404	5.5%
49.4%	7,259	7,441	182	2.5%
50.6%	7,249	7,334	84	1.2%
51.9%	7,150	7,312	162	2.3%
53.1%	7,138	7,311	172	2.4%
54.3%	7,104	7,179	75	1.1%
55.6%	7,017	7,174	157	2.2%
56.8%	7,000	7,150	150	2.1%
58.0%	7,000	7,104	104	1.5%
59.3%	6,943	7,043	99	1.4%
60.5%	6,910	6,977	66	1.0%
61.7%	6,910	6,926	17	0.2%
63.0%	6,901	6,901	0	0.0%
64.2%	6,881	6,859	-22	-0.3%
65.4%	6,867	6,789	-78	-1.1%
66.7%	6,814	6,769	-45	-0.7%
67.9%	6,681	6,761	81	1.2%
69.1%	6,490	6,759	269	4.1%
70.4%	6,419	6,673	254	4.0%
71.6%	6,359	6,527	167	2.6%
72.8%	6,348	6,490	143	2.2%
74.1%	6,238	6,394	156	2.5%
75.3%	6,206	6,384	178	2.9%
76.5%	6,124	6,228	104	1.7%
77.8%	6,090	6,199	109	1.8%
79.0%	5,989	6,182	193	3.2%
80.2%	5,984	6,107	123	2.1%
81.5%	5,982	6,059	78	1.3%
82.7%	5,974	6,028	54	0.9%
84.0%	5,940	6,014	74	1.2%
85.2%	5,873	5,964	91	1.6%
86.4%	5,814	5,960	146	2.5%
87.7%	5,791	5,955	164	2.8%
88.9%	5,722	5,817	95	1.7%
90.1%	5,685	5,716	31	0.5%
91.4%	5,613	5,480	-133	-2.4%
92.6%	5,211	5,335	124	2.4%
93.8%	5,097	5,049	-48	-0.9%
95.1%	4,980	4,805	-175	-3.5%
96.3%	4,973	4,773	-200	-4.0%
97.5%	4,902	4,465	-436	-8.9%
98.8%	4,380	4,380	0	0.0%
100.0%	3,982	4,243	261	6.5%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,389	8,388	-1	0.0%
1.2%	8,385	8,385	0	0.0%
2.5%	8,385	8,385	0	0.0%
3.7%	8,385	8,385	0	0.0%
4.9%	8,385	8,385	0	0.0%
6.2%	8,385	8,385	0	0.0%
7.4%	8,385	8,385	0	0.0%
8.6%	8,385	8,385	0	0.0%
9.9%	8,385	8,385	0	0.0%
11.1%	8,385	8,385	0	0.0%
12.3%	8,385	8,385	0	0.0%
13.6%	8,385	8,385	0	0.0%
14.8%	8,385	8,385	0	0.0%
16.0%	8,385	8,385	0	0.0%
17.3%	8,385	8,385	0	0.0%
18.5%	8,385	8,385	0	0.0%
19.8%	8,385	8,385	0	0.0%
21.0%	8,385	8,385	0	0.0%
22.2%	8,385	8,385	0	0.0%
23.5%	8,385	8,385	0	0.0%
24.7%	8,385	8,385	0	0.0%
25.9%	8,385	8,385	0	0.0%
27.2%	8,385	8,385	0	0.0%
28.4%	8,376	8,385	9	0.1%
29.6%	8,366	8,376	9	0.1%
30.9%	8,357	8,366	9	0.1%
32.1%	8,357	8,357	0	0.0%
33.3%	8,348	8,357	9	0.1%
34.6%	8,339	8,348	9	0.1%
35.8%	8,320	8,339	18	0.2%
37.0%	8,311	8,320	9	0.1%
38.3%	8,293	8,311	18	0.2%
39.5%	8,291	8,293	2	0.0%
40.7%	8,283	8,283	0	0.0%
42.0%	8,283	8,283	0	0.0%
43.2%	8,244	8,237	-7	-0.1%
44.4%	8,237	8,191	-46	-0.6%
45.7%	8,200	8,173	-27	-0.3%
46.9%	8,191	8,164	-28	-0.3%
48.1%	8,173	8,107	-66	-0.8%
49.4%	8,173	8,036	-137	-1.7%
50.6%	8,164	7,990	-174	-2.1%
51.9%	8,155	7,928	-227	-2.8%
53.1%	8,066	7,913	-153	-1.9%
54.3%	7,898	7,891	-8	-0.1%
55.6%	7,841	7,882	41	0.5%
56.8%	7,814	7,814	0	0.0%
58.0%	7,713	7,784	70	0.9%
59.3%	7,592	7,628	36	0.5%
60.5%	7,521	7,592	71	0.9%
61.7%	7,490	7,557	66	0.9%
63.0%	7,399	7,463	64	0.9%
64.2%	7,390	7,399	9	0.1%
65.4%	7,334	7,390	55	0.8%
66.7%	7,142	7,334	192	2.7%
67.9%	7,121	7,238	118	1.7%
69.1%	7,101	7,142	40	0.6%
70.4%	7,095	7,095	0	0.0%
71.6%	7,077	7,077	0	0.0%
72.8%	6,857	7,075	218	3.2%
74.1%	6,785	6,966	181	2.7%
75.3%	6,708	6,876	168	2.5%
76.5%	6,693	6,762	69	1.0%
77.8%	6,563	6,693	130	2.0%
79.0%	6,526	6,632	106	1.6%
80.2%	6,503	6,526	23	0.4%
81.5%	6,354	6,380	27	0.4%
82.7%	6,126	6,354	228	3.7%
84.0%	5,983	6,227	244	4.1%
85.2%	5,979	6,115	136	2.3%
86.4%	5,963	6,054	91	1.5%
87.7%	5,795	5,964	169	2.9%
88.9%	5,731	5,630	-101	-1.8%
90.1%	5,727	5,578	-149	-2.6%
91.4%	5,453	5,501	48	0.9%
92.6%	5,277	5,484	207	3.9%
93.8%	5,250	5,223	-27	-0.5%
95.1%	5,218	5,202	-16	-0.3%
96.3%	4,980	4,951	-28	-0.6%
97.5%	4,899	4,666	-233	-4.8%
98.8%	4,807	4,570	-237	-4.9%
100.0%	4,647	4,210	-438	-9.4%

Table SW-26-b

Folsom Lake, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,385	8,385	0	0.0%
1.2%	8,385	8,385	0	0.0%
2.5%	8,385	8,385	0	0.0%
3.7%	8,385	8,385	0	0.0%
4.9%	8,385	8,385	0	0.0%
6.2%	8,385	8,385	0	0.0%
7.4%	8,385	8,385	0	0.0%
8.6%	8,385	8,385	0	0.0%
9.9%	8,385	8,385	0	0.0%
11.1%	8,385	8,385	0	0.0%
12.3%	8,385	8,385	0	0.0%
13.6%	8,385	8,385	0	0.0%
14.8%	8,385	8,385	0	0.0%
16.0%	8,385	8,385	0	0.0%
17.3%	8,385	8,385	0	0.0%
18.5%	8,385	8,385	0	0.0%
19.8%	8,385	8,385	0	0.0%
21.0%	8,385	8,385	0	0.0%
22.2%	8,385	8,385	0	0.0%
23.5%	8,385	8,385	0	0.0%
24.7%	8,376	8,385	9	0.1%
25.9%	8,376	8,376	0	0.0%
27.2%	8,376	8,376	0	0.0%
28.4%	8,366	8,376	9	0.1%
29.6%	8,358	8,366	8	0.1%
30.9%	8,348	8,348	0	0.0%
32.1%	8,339	8,339	0	0.0%
33.3%	8,320	8,332	12	0.1%
34.6%	8,317	8,329	13	0.2%
35.8%	8,302	8,320	18	0.2%
37.0%	8,302	8,317	15	0.2%
38.3%	8,302	8,302	0	0.0%
39.5%	8,302	8,302	0	0.0%
40.7%	8,293	8,302	9	0.1%
42.0%	8,293	8,302	9	0.1%
43.2%	8,283	8,293	9	0.1%
44.4%	8,274	8,293	18	0.2%
45.7%	8,274	8,283	9	0.1%
46.9%	8,256	8,274	18	0.2%
48.1%	8,256	8,274	18	0.2%
49.4%	8,247	8,256	9	0.1%
50.6%	8,237	8,256	18	0.2%
51.9%	8,201	8,247	46	0.6%
53.1%	8,164	8,237	74	0.9%
54.3%	8,067	8,201	134	1.7%
55.6%	8,044	8,164	120	1.5%
56.8%	8,035	8,044	9	0.1%
58.0%	8,020	8,035	15	0.2%
59.3%	8,016	8,016	0	0.0%
60.5%	7,979	7,983	4	0.0%
61.7%	7,917	7,899	-18	-0.2%
63.0%	7,758	7,758	0	0.0%
64.2%	7,758	7,758	0	0.0%
65.4%	7,712	7,712	0	0.0%
66.7%	7,599	7,712	113	1.5%
67.9%	7,596	7,620	24	0.3%
69.1%	7,397	7,570	174	2.3%
70.4%	7,381	7,442	62	0.8%
71.6%	7,381	7,429	49	0.7%
72.8%	7,371	7,381	9	0.1%
74.1%	7,351	7,381	29	0.4%
75.3%	7,320	7,371	51	0.7%
76.5%	7,270	7,277	7	0.1%
77.8%	7,242	7,270	28	0.4%
79.0%	7,215	7,242	28	0.4%
80.2%	7,043	7,215	171	2.4%
81.5%	6,997	7,074	78	1.1%
82.7%	6,911	6,911	0	0.0%
84.0%	6,865	6,865	0	0.0%
85.2%	6,791	6,847	56	0.8%
86.4%	6,755	6,815	60	0.9%
87.7%	6,729	6,791	62	0.9%
88.9%	6,444	6,611	167	2.6%
90.1%	6,021	6,572	551	9.1%
91.4%	6,004	6,030	26	0.4%
92.6%	5,883	6,007	123	2.1%
93.8%	5,744	5,878	135	2.3%
95.1%	5,660	5,664	4	0.1%
96.3%	5,406	5,589	183	3.4%
97.5%	5,108	5,227	119	2.3%
98.8%	4,563	4,327	-237	-5.2%
100.0%	4,522	4,085	-437	-9.7%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,278	9,278	0	0.0%
1.2%	9,278	9,278	0	0.0%
2.5%	9,278	9,278	0	0.0%
3.7%	9,275	9,278	3	0.0%
4.9%	9,260	9,260	0	0.0%
6.2%	9,260	9,260	0	0.0%
7.4%	9,260	9,260	0	0.0%
8.6%	9,260	9,260	0	0.0%
9.9%	9,251	9,251	0	0.0%
11.1%	9,251	9,251	0	0.0%
12.3%	9,251	9,251	0	0.0%
13.6%	9,242	9,242	0	0.0%
14.8%	9,232	9,232	0	0.0%
16.0%	9,223	9,223	0	0.0%
17.3%	9,223	9,223	0	0.0%
18.5%	9,223	9,223	0	0.0%
19.8%	9,223	9,223	0	0.0%
21.0%	9,214	9,214	0	0.0%
22.2%	9,214	9,214	0	0.0%
23.5%	9,214	9,214	0	0.0%
24.7%	9,205	9,205	0	0.0%
25.9%	9,205	9,205	0	0.0%
27.2%	9,205	9,205	0	0.0%
28.4%	9,205	9,205	0	0.0%
29.6%	9,205	9,205	0	0.0%
30.9%	9,196	9,196	0	0.0%
32.1%	9,196	9,190	-6	-0.1%
33.3%	9,195	9,186	-9	-0.1%
34.6%	9,186	9,186	0	0.0%
35.8%	9,186	9,168	-18	-0.2%
37.0%	9,168	9,168	0	0.0%
38.3%	9,168	9,159	-9	-0.1%
39.5%	9,159	9,154	-5	-0.1%
40.7%	9,154	9,140	-14	-0.2%
42.0%	9,140	9,131	-9	-0.1%
43.2%	9,131	9,129	-2	0.0%
44.4%	9,122	9,122	0	0.0%
45.7%	9,113	9,113	0	0.0%
46.9%	9,113	9,113	0	0.0%
48.1%	9,076	9,076	0	0.0%
49.4%	9,057	9,057	0	0.0%
50.6%	9,030	9,030	0	0.0%
51.9%	9,030	9,030	0	0.0%
53.1%	9,020	9,020	0	0.0%
54.3%	9,013	9,011	-1	0.0%
55.6%	9,011	8,956	-55	-0.6%
56.8%	8,956	8,947	-9	-0.1%
58.0%	8,947	8,928	-18	-0.2%
59.3%	8,928	8,922	-6	-0.1%
60.5%	8,919	8,919	0	0.0%
61.7%	8,891	8,891	0	0.0%
63.0%	8,882	8,882	0	0.0%
64.2%	8,882	8,882	0	0.0%
65.4%	8,855	8,855	0	0.0%
66.7%	8,836	8,836	0	0.0%
67.9%	8,830	8,827	-3	0.0%
69.1%	8,827	8,827	0	0.0%
70.4%	8,790	8,790	0	0.0%
71.6%	8,680	8,714	34	0.4%
72.8%	8,624	8,680	55	0.6%
74.1%	8,603	8,624	22	0.3%
75.3%	8,597	8,606	9	0.1%
76.5%	8,578	8,597	18	0.2%
77.8%	8,557	8,567	10	0.1%
79.0%	8,490	8,529	39	0.5%
80.2%	8,409	8,519	110	1.3%
81.5%	8,355	8,409	53	0.6%
82.7%	8,297	8,376	79	1.0%
84.0%	8,131	8,244	114	1.4%
85.2%	8,039	8,039	0	0.0%
86.4%	7,994	8,034	39	0.5%
87.7%	7,935	7,813	-122	-1.5%
88.9%	7,757	7,690	-67	-0.9%
90.1%	7,590	7,642	52	0.7%
91.4%	7,323	7,634	311	4.2%
92.6%	6,580	7,460	880	13.4%
93.8%	6,469	6,287	-182	-2.8%
95.1%	5,889	6,126	237	4.0%
96.3%	5,760	5,734	-26	-0.5%
97.5%	5,747	5,505	-241	-4.2%
98.8%	5,211	5,330	118	2.3%
100.0%	4,418	4,047	-370	-8.4%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,084	10,084	0	0.0%
1.2%	10,084	10,084	0	0.0%
2.5%	10,084	10,084	0	0.0%
3.7%	10,084	10,084	0	0.0%
4.9%	10,084	10,084	0	0.0%
6.2%	10,084	10,084	0	0.0%
7.4%	10,084	10,084	0	0.0%
8.6%	10,084	10,084	0	0.0%
9.9%	10,084	10,084	0	0.0%
11.1%	10,084	10,084	0	0.0%
12.3%	10,084	10,084	0	0.0%
13.6%	10,084	10,084	0	0.0%
14.8%	10,084	10,084	0	0.0%
16.0%	10,084	10,084	0	0.0%
17.3%	10,084	10,084	0	0.0%
18.5%	10,084	10,084	0	0.0%
19.8%	10,084	10,084	0	0.0%
21.0%	10,084	10,084	0	0.0%
22.2%	10,084	10,084	0	0.0%
23.5%	10,084	10,084	0	0.0%
24.7%	10,084	10,084	0	0.0%
25.9%	10,084	10,084	0	0.0%
27.2%	10,084	10,084	0	0.0%
28.4%	10,084	10,084	0	0.0%
29.6%	10,084	10,084	0	0.0%
30.9%	10,084	10,084	0	0.0%
32.1%	10,084	10,084	0	0.0%
33.3%	10,084	10,084	0	0.0%
34.6%	10,084	10,084	0	0.0%
35.8%	10,084	10,084	0	0.0%
37.0%	10,084	10,084	0	0.0%
38.3%	10,084	10,084	0	0.0%
39.5%	10,084	10,084	0	0.0%
40.7%	10,084	10,084	0	0.0%
42.0%	10,084	10,084	0	0.0%
43.2%	10,084	10,084	0	0.0%
44.4%	10,084	10,084	0	0.0%
45.7%	10,084	10,084	0	0.0%
46.9%	10,084	10,084	0	0.0%
48.1%	10,084	10,084	0	0.0%
49.4%	10,084	10,084	0	0.0%
50.6%	10,084	10,084	0	0.0%
51.9%	10,084	10,083	-1	0.0%
53.1%	10,083	9,977	-106	-1.0%
54.3%	10,048	9,941	-106	-1.1%
55.6%	9,943	9,917	-26	-0.3%
56.8%	9,929	9,900	-28	-0.3%
58.0%	9,917	9,891	-26	-0.3%
59.3%	9,902	9,872	-29	-0.3%
60.5%	9,893	9,859	-35	-0.4%
61.7%	9,891	9,857	-34	-0.3%
63.0%	9,856	9,856	0	0.0%
64.2%	9,849	9,834	-16	-0.2%
65.4%	9,833	9,832	-2	0.0%
66.7%	9,831	9,808	-23	-0.2%
67.9%	9,780	9,791	11	0.1%
69.1%	9,765	9,779	14	0.1%
70.4%	9,705	9,695	-10	-0.1%
71.6%	9,617	9,635	18	0.2%
72.8%	9,555	9,617	62	0.6%
74.1%	9,485	9,508	23	0.2%
75.3%	9,407	9,299	-108	-1.1%
76.5%	9,138	9,138	0	0.0%
77.8%	9,132	9,132	0	0.0%
79.0%	9,098	9,076	-22	-0.2%
80.2%	8,796	9,036	240	2.7%
81.5%	8,751	8,744	-8	-0.1%
82.7%	8,622	8,678	56	0.6%
84.0%	8,536	8,542	6	0.1%
85.2%	8,392	8,378	-14	-0.2%
86.4%	8,378	8,273	-106	-1.3%
87.7%	8,125	8,160	35	0.4%
88.9%	7,930	8,064	135	1.7%
90.1%	7,653	7,876	223	2.9%
91.4%	7,599	7,803	204	2.7%
92.6%	7,580	7,781	201	2.7%
93.8%	7,514	7,585	70	0.9%
95.1%	7,240	7,256	16	0.2%
96.3%	7,039	7,028	-11	-0.2%
97.5%	7,017	6,877	-140	-2.0%
98.8%	6,477	6,579	102	1.6%
100.0%	4,058	3,001	-1,057	-26.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,124	11,124	0	0.0%
1.2%	11,124	11,124	0	0.0%
2.5%	11,124	11,124	0	0.0%
3.7%	11,124	11,124	0	0.0%
4.9%	11,124	11,124	0	0.0%
6.2%	11,124	11,124	0	0.0%
7.4%	11,124	11,124	0	0.0%
8.6%	11,124	11,124	0	0.0%
9.9%	11,124	11,124	0	0.0%
11.1%	11,124	11,124	0	0.0%
12.3%	11,124	11,124	0	0.0%
13.6%	11,124	11,124	0	0.0%
14.8%	11,124	11,124	0	0.0%
16.0%	11,124	11,124	0	0.0%
17.3%	11,124	11,124	0	0.0%
18.5%	11,124	11,124	0	0.0%
19.8%	11,124	11,124	0	0.0%
21.0%	11,096	11,097	1	0.0%
22.2%	11,077	11,077	0	0.0%
23.5%	11,076	11,011	-65	-0.6%
24.7%	11,012	11,003	-10	-0.1%
25.9%	10,860	10,860	0	0.0%
27.2%	10,841	10,841	0	0.0%
28.4%	10,787	10,786	0	0.0%
29.6%	10,749	10,750	1	0.0%
30.9%	10,733	10,716	-17	-0.2%
32.1%	10,666	10,702	36	0.3%
33.3%	10,657	10,666	10	0.1%
34.6%	10,650	10,657	7	0.1%
35.8%	10,529	10,650	120	1.1%
37.0%	10,494	10,529	36	0.3%
38.3%	10,471	10,494	23	0.2%
39.5%	10,176	10,403	227	2.2%
40.7%	10,166	10,172	6	0.1%
42.0%	10,166	10,163	-3	0.0%
43.2%	10,148	10,123	-25	-0.2%
44.4%	10,093	10,076	-17	-0.2%
45.7%	10,040	10,005	-35	-0.3%
46.9%	10,011	9,960	-51	-0.5%
48.1%	9,984	9,949	-35	-0.3%
49.4%	9,972	9,946	-26	-0.3%
50.6%	9,952	9,932	-20	-0.2%
51.9%	9,946	9,928	-18	-0.2%
53.1%	9,946	9,919	-27	-0.3%
54.3%	9,920	9,877	-43	-0.4%
55.6%	9,913	9,872	-41	-0.4%
56.8%	9,881	9,850	-30	-0.3%
58.0%	9,856	9,791	-65	-0.7%
59.3%	9,849	9,788	-61	-0.6%
60.5%	9,830	9,777	-53	-0.5%
61.7%	9,829	9,768	-61	-0.6%
63.0%	9,825	9,767	-58	-0.6%
64.2%	9,821	9,764	-57	-0.6%
65.4%	9,811	9,764	-47	-0.5%
66.7%	9,793	9,759	-34	-0.3%
67.9%	9,781	9,718	-64	-0.6%
69.1%	9,768	9,709	-59	-0.6%
70.4%	9,737	9,694	-44	-0.4%
71.6%	9,700	9,665	-36	-0.4%
72.8%	9,663	9,554	-108	-1.1%
74.1%	9,611	9,417	-194	-2.0%
75.3%	9,376	9,293	-82	-0.9%
76.5%	9,293	9,151	-142	-1.5%
77.8%	9,169	9,143	-26	-0.3%
79.0%	9,153	8,949	-205	-2.2%
80.2%	9,009	8,836	-173	-1.9%
81.5%	8,793	8,728	-65	-0.7%
82.7%	8,568	8,646	78	0.9%
84.0%	8,539	8,585	46	0.5%
85.2%	8,064	8,467	403	5.0%
86.4%	7,958	8,033	75	0.9%
87.7%	7,909	7,846	-63	-0.8%
88.9%	7,869	7,814	-56	-0.7%
90.1%	7,699	7,629	-70	-0.9%
91.4%	7,545	7,487	-57	-0.8%
92.6%	7,453	7,416	-37	-0.5%
93.8%	7,356	7,293	-63	-0.9%
95.1%	7,346	7,058	-287	-3.9%
96.3%	7,267	7,021	-246	-3.4%
97.5%	6,801	6,645	-156	-2.3%
98.8%	6,208	6,310	102	1.6%
100.0%	4,000	2,718	-1,282	-32.0%

Table SW-26-b

Folsom Lake, End of Month Area

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,124	11,124	0	0.0%
1.2%	11,124	11,124	0	0.0%
2.5%	11,124	11,124	0	0.0%
3.7%	11,124	11,124	0	0.0%
4.9%	11,124	11,124	0	0.0%
6.2%	11,124	11,124	0	0.0%
7.4%	11,124	11,124	0	0.0%
8.6%	11,124	11,124	0	0.0%
9.9%	11,124	11,124	0	0.0%
11.1%	11,021	10,971	-49	-0.4%
12.3%	10,971	10,945	-26	-0.2%
13.6%	10,945	10,925	-21	-0.2%
14.8%	10,936	10,836	-100	-0.9%
16.0%	10,836	10,807	-28	-0.3%
17.3%	10,805	10,637	-169	-1.6%
18.5%	10,616	10,616	0	0.0%
19.8%	10,604	10,603	-1	0.0%
21.0%	10,551	10,600	49	0.5%
22.2%	10,545	10,551	7	0.1%
23.5%	10,535	10,540	4	0.0%
24.7%	10,522	10,525	3	0.0%
25.9%	10,433	10,461	28	0.3%
27.2%	10,324	10,324	0	0.0%
28.4%	10,318	10,319	1	0.0%
29.6%	10,316	10,318	2	0.0%
30.9%	10,119	10,176	57	0.6%
32.1%	10,072	10,080	8	0.1%
33.3%	9,976	9,976	0	0.0%
34.6%	9,935	9,937	1	0.0%
35.8%	9,884	9,891	7	0.1%
37.0%	9,829	9,877	48	0.5%
38.3%	9,795	9,789	-5	-0.1%
39.5%	9,708	9,703	-5	-0.1%
40.7%	9,696	9,657	-39	-0.4%
42.0%	9,677	9,653	-24	-0.2%
43.2%	9,659	9,608	-50	-0.5%
44.4%	9,608	9,506	-103	-1.1%
45.7%	9,604	9,487	-117	-1.2%
46.9%	9,591	9,479	-112	-1.2%
48.1%	9,586	9,456	-129	-1.3%
49.4%	9,585	9,441	-144	-1.5%
50.6%	9,576	9,435	-142	-1.5%
51.9%	9,567	9,422	-145	-1.5%
53.1%	9,566	9,395	-171	-1.8%
54.3%	9,501	9,315	-186	-2.0%
55.6%	9,485	9,293	-192	-2.0%
56.8%	9,463	9,284	-179	-1.9%
58.0%	9,451	9,278	-173	-1.8%
59.3%	9,440	9,273	-167	-1.8%
60.5%	9,429	9,251	-177	-1.9%
61.7%	9,422	9,219	-203	-2.2%
63.0%	9,408	9,217	-191	-2.0%
64.2%	9,374	9,149	-225	-2.4%
65.4%	9,326	9,136	-189	-2.0%
66.7%	9,149	9,012	-137	-1.5%
67.9%	9,053	9,006	-47	-0.5%
69.1%	8,766	8,895	129	1.5%
70.4%	8,723	8,741	17	0.2%
71.6%	8,701	8,737	36	0.4%
72.8%	8,691	8,733	42	0.5%
74.1%	8,536	8,701	165	1.9%
75.3%	8,481	8,687	206	2.4%
76.5%	8,457	8,562	104	1.2%
77.8%	8,384	8,447	62	0.7%
79.0%	8,213	8,271	58	0.7%
80.2%	8,059	8,188	129	1.6%
81.5%	7,904	8,076	172	2.2%
82.7%	7,749	8,068	320	4.1%
84.0%	7,735	7,962	226	2.9%
85.2%	7,732	7,944	212	2.7%
86.4%	7,292	7,478	186	2.5%
87.7%	7,277	7,356	79	1.1%
88.9%	7,174	7,227	53	0.7%
90.1%	7,153	7,088	-65	-0.9%
91.4%	7,132	7,041	-91	-1.3%
92.6%	7,110	6,979	-131	-1.8%
93.8%	7,099	6,961	-138	-1.9%
95.1%	6,970	6,935	-34	-0.5%
96.3%	6,847	6,725	-122	-1.8%
97.5%	6,608	6,412	-196	-3.0%
98.8%	6,063	6,132	69	1.1%
100.0%	3,480	2,185	-1,295	-37.2%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,799	10,587	-212	-2.0%
1.2%	10,739	10,563	-176	-1.6%
2.5%	10,710	10,514	-196	-1.8%
3.7%	10,702	10,489	-214	-2.0%
4.9%	10,669	10,487	-182	-1.7%
6.2%	10,260	10,482	222	2.2%
7.4%	10,254	10,467	213	2.1%
8.6%	10,239	10,429	190	1.9%
9.9%	10,148	10,396	248	2.4%
11.1%	10,123	10,263	139	1.4%
12.3%	9,886	10,255	369	3.7%
13.6%	9,875	10,012	136	1.4%
14.8%	9,810	9,974	164	1.7%
16.0%	9,687	9,880	194	2.0%
17.3%	9,639	9,853	214	2.2%
18.5%	9,638	9,782	144	1.5%
19.8%	9,609	9,669	60	0.6%
21.0%	9,528	9,407	-121	-1.3%
22.2%	9,516	9,370	-146	-1.5%
23.5%	9,155	9,334	179	2.0%
24.7%	9,116	9,307	191	2.1%
25.9%	8,959	9,210	251	2.8%
27.2%	8,630	9,118	488	5.7%
28.4%	8,615	9,112	497	5.8%
29.6%	8,594	9,106	512	6.0%
30.9%	8,594	8,941	347	4.0%
32.1%	8,590	8,715	125	1.5%
33.3%	8,448	8,714	267	3.2%
34.6%	8,436	8,700	264	3.1%
35.8%	8,371	8,630	259	3.1%
37.0%	8,357	8,615	258	3.1%
38.3%	8,272	8,609	337	4.1%
39.5%	8,067	8,476	409	5.1%
40.7%	8,026	8,360	334	4.2%
42.0%	8,003	8,299	296	3.7%
43.2%	7,977	8,224	247	3.1%
44.4%	7,966	8,218	253	3.2%
45.7%	7,684	8,165	481	6.3%
46.9%	7,630	8,157	527	6.9%
48.1%	7,584	8,111	527	6.9%
49.4%	7,576	8,039	463	6.1%
50.6%	7,461	7,973	513	6.9%
51.9%	7,437	7,929	491	6.6%
53.1%	7,330	7,879	549	7.5%
54.3%	7,317	7,862	545	7.5%
55.6%	7,304	7,840	537	7.3%
56.8%	7,278	7,693	415	5.7%
58.0%	7,256	7,654	398	5.5%
59.3%	7,251	7,462	211	2.9%
60.5%	7,240	7,453	213	2.9%
61.7%	7,207	7,408	202	2.8%
63.0%	7,203	7,397	195	2.7%
64.2%	7,133	7,385	253	3.5%
65.4%	7,092	7,384	292	4.1%
66.7%	7,089	7,266	178	2.5%
67.9%	7,051	7,256	204	2.9%
69.1%	7,047	7,241	194	2.8%
70.4%	6,926	7,089	163	2.3%
71.6%	6,884	7,071	187	2.7%
72.8%	6,732	7,036	304	4.5%
74.1%	6,701	6,999	299	4.5%
75.3%	6,684	6,988	304	4.6%
76.5%	6,646	6,927	281	4.2%
77.8%	6,621	6,865	244	3.7%
79.0%	6,602	6,732	130	2.0%
80.2%	6,598	6,710	112	1.7%
81.5%	6,584	6,706	121	1.8%
82.7%	6,487	6,671	184	2.8%
84.0%	6,469	6,606	136	2.1%
85.2%	6,466	6,435	-31	-0.5%
86.4%	6,461	6,390	-71	-1.1%
87.7%	6,403	6,375	-29	-0.4%
88.9%	6,387	6,296	-92	-1.4%
90.1%	6,375	6,292	-82	-1.3%
91.4%	6,074	6,199	124	2.0%
92.6%	5,918	6,178	260	4.4%
93.8%	5,841	6,074	234	4.0%
95.1%	5,650	6,072	422	7.5%
96.3%	5,589	5,837	248	4.4%
97.5%	4,897	5,196	299	6.1%
98.8%	4,111	4,652	541	13.2%
100.0%	2,091	2,091	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,084	10,100	15	0.2%
1.2%	10,084	10,084	0	0.0%
2.5%	10,084	10,084	0	0.0%
3.7%	10,084	10,061	-23	-0.2%
4.9%	10,084	10,025	-59	-0.6%
6.2%	10,072	10,025	-47	-0.5%
7.4%	9,883	10,007	124	1.3%
8.6%	9,881	9,989	108	1.1%
9.9%	9,787	9,958	171	1.7%
11.1%	9,770	9,808	39	0.4%
12.3%	9,589	9,807	217	2.3%
13.6%	9,566	9,548	-18	-0.2%
14.8%	9,562	9,461	-101	-1.1%
16.0%	9,500	9,439	-61	-0.6%
17.3%	9,457	9,438	-19	-0.2%
18.5%	9,405	9,425	20	0.2%
19.8%	9,319	9,365	46	0.5%
21.0%	9,086	9,183	97	1.1%
22.2%	9,075	8,934	-141	-1.6%
23.5%	8,806	8,934	128	1.4%
24.7%	8,712	8,918	206	2.4%
25.9%	8,612	8,741	130	1.5%
27.2%	8,362	8,682	320	3.8%
28.4%	8,249	8,647	398	4.8%
29.6%	8,139	8,590	450	5.5%
30.9%	8,108	8,514	406	5.0%
32.1%	8,089	8,364	275	3.4%
33.3%	8,067	8,219	152	1.9%
34.6%	8,028	8,205	178	2.2%
35.8%	7,829	8,205	376	4.8%
37.0%	7,801	8,154	353	4.5%
38.3%	7,737	8,108	372	4.8%
39.5%	7,600	8,054	454	6.0%
40.7%	7,489	7,841	352	4.7%
42.0%	7,488	7,825	337	4.5%
43.2%	7,467	7,821	354	4.7%
44.4%	7,462	7,817	355	4.8%
45.7%	7,440	7,804	364	4.9%
46.9%	7,420	7,783	363	4.9%
48.1%	7,183	7,726	543	7.6%
49.4%	7,132	7,587	456	6.4%
50.6%	7,121	7,462	341	4.8%
51.9%	7,102	7,416	314	4.4%
53.1%	7,051	7,396	344	4.9%
54.3%	7,017	7,369	352	5.0%
55.6%	6,956	7,350	393	5.7%
56.8%	6,909	7,241	332	4.8%
58.0%	6,857	7,174	317	4.6%
59.3%	6,847	7,159	313	4.6%
60.5%	6,831	7,154	323	4.7%
61.7%	6,826	7,075	248	3.6%
63.0%	6,784	7,017	233	3.4%
64.2%	6,783	7,008	225	3.3%
65.4%	6,766	6,994	227	3.4%
66.7%	6,712	6,864	153	2.3%
67.9%	6,710	6,859	149	2.2%
69.1%	6,695	6,846	152	2.3%
70.4%	6,672	6,829	157	2.4%
71.6%	6,666	6,814	148	2.2%
72.8%	6,544	6,788	243	3.7%
74.1%	6,521	6,629	108	1.7%
75.3%	6,475	6,590	115	1.8%
76.5%	6,447	6,585	138	2.1%
77.8%	6,282	6,533	251	4.0%
79.0%	6,273	6,422	150	2.4%
80.2%	6,241	6,374	132	2.1%
81.5%	6,225	6,303	78	1.3%
82.7%	6,154	6,165	11	0.2%
84.0%	6,117	6,154	37	0.6%
85.2%	5,958	6,135	177	3.0%
86.4%	5,898	6,128	230	3.9%
87.7%	5,805	6,035	230	4.0%
88.9%	5,803	5,932	129	2.2%
90.1%	5,772	5,874	102	1.8%
91.4%	5,743	5,743	0	0.0%
92.6%	5,732	5,666	-65	-1.1%
93.8%	5,447	5,633	187	3.4%
95.1%	5,282	5,561	278	5.3%
96.3%	5,108	5,416	308	6.0%
97.5%	3,622	4,470	848	23.4%
98.8%	2,384	3,986	1,602	67.2%
100.0%	2,091	2,091	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project End of Month Area (ACRE)	WSIP 2030 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,847	9,847	0	0.0%
1.2%	9,502	9,806	304	3.2%
2.5%	9,383	9,710	327	3.5%
3.7%	9,206	9,469	263	2.9%
4.9%	9,102	9,465	362	4.0%
6.2%	9,054	9,201	147	1.6%
7.4%	9,035	9,149	115	1.3%
8.6%	8,850	9,092	242	2.7%
9.9%	8,822	9,011	190	2.1%
11.1%	8,615	8,911	296	3.4%
12.3%	8,516	8,615	99	1.2%
13.6%	8,482	8,615	133	1.6%
14.8%	8,406	8,543	138	1.6%
16.0%	8,253	8,518	264	3.2%
17.3%	8,251	8,456	205	2.5%
18.5%	8,236	8,387	151	1.8%
19.8%	8,225	8,365	140	1.7%
21.0%	8,215	8,260	46	0.6%
22.2%	8,137	8,136	-1	0.0%
23.5%	8,125	8,131	6	0.1%
24.7%	8,036	8,125	89	1.1%
25.9%	7,860	8,077	217	2.8%
27.2%	7,783	7,937	154	2.0%
28.4%	7,728	7,858	130	1.7%
29.6%	7,690	7,857	168	2.2%
30.9%	7,641	7,837	196	2.6%
32.1%	7,553	7,787	234	3.1%
33.3%	7,524	7,783	259	3.4%
34.6%	7,387	7,766	379	5.1%
35.8%	7,347	7,652	305	4.2%
37.0%	7,278	7,588	310	4.3%
38.3%	7,269	7,585	316	4.4%
39.5%	7,237	7,565	328	4.5%
40.7%	7,199	7,537	338	4.7%
42.0%	7,197	7,535	338	4.7%
43.2%	7,195	7,504	309	4.3%
44.4%	7,186	7,351	165	2.3%
45.7%	7,164	7,289	125	1.7%
46.9%	7,086	7,260	174	2.5%
48.1%	6,940	7,256	316	4.6%
49.4%	6,931	7,217	286	4.1%
50.6%	6,858	7,195	337	4.9%
51.9%	6,856	7,185	329	4.8%
53.1%	6,818	7,176	358	5.3%
54.3%	6,792	7,170	378	5.6%
55.6%	6,746	7,042	296	4.4%
56.8%	6,741	6,982	241	3.6%
58.0%	6,739	6,901	163	2.4%
59.3%	6,723	6,879	155	2.3%
60.5%	6,723	6,850	127	1.9%
61.7%	6,688	6,819	132	2.0%
63.0%	6,681	6,786	104	1.6%
64.2%	6,652	6,785	133	2.0%
65.4%	6,571	6,759	189	2.9%
66.7%	6,555	6,757	202	3.1%
67.9%	6,534	6,630	97	1.5%
69.1%	6,529	6,608	78	1.2%
70.4%	6,525	6,593	68	1.0%
71.6%	6,379	6,553	174	2.7%
72.8%	6,359	6,426	67	1.1%
74.1%	6,320	6,418	98	1.6%
75.3%	6,288	6,413	125	2.0%
76.5%	6,244	6,380	136	2.2%
77.8%	6,197	6,240	43	0.7%
79.0%	6,075	6,144	69	1.1%
80.2%	5,930	6,123	193	3.2%
81.5%	5,839	6,075	237	4.1%
82.7%	5,837	6,043	206	3.5%
84.0%	5,719	5,782	63	1.1%
85.2%	5,661	5,692	31	0.5%
86.4%	5,639	5,573	-65	-1.2%
87.7%	5,625	5,550	-75	-1.3%
88.9%	5,586	5,497	-89	-1.6%
90.1%	5,432	5,485	53	1.0%
91.4%	5,327	5,446	119	2.2%
92.6%	5,311	5,288	-23	-0.4%
93.8%	5,300	5,174	-126	-2.4%
95.1%	4,757	5,123	365	7.7%
96.3%	4,453	4,768	314	7.1%
97.5%	3,953	4,511	558	14.1%
98.8%	2,818	4,227	1,409	50.0%
100.0%	2,091	2,091	0	0.0%

Figure SW-27-b
American River below Nimbus Reservoir, Monthly Flow
Probability of Exceedance

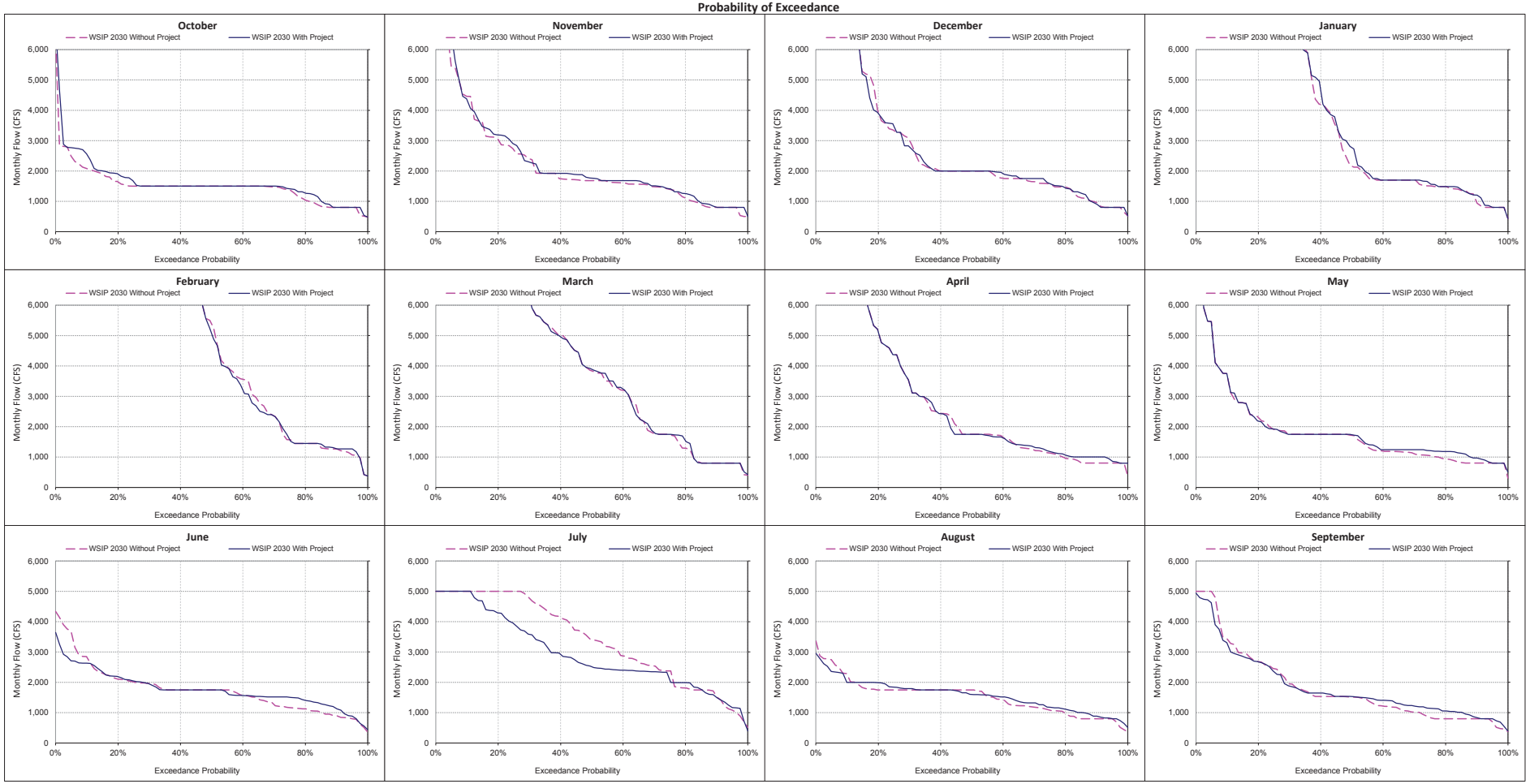


Table SW-27-b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,302	6,758	456	7.2%
1.2%	2,836	4,630	1,795	63.3%
2.5%	2,811	2,885	74	2.6%
3.7%	2,799	2,777	-22	-0.8%
4.9%	2,494	2,773	279	11.2%
6.2%	2,315	2,748	433	18.7%
7.4%	2,235	2,733	497	22.2%
8.6%	2,129	2,703	574	26.9%
9.9%	2,084	2,566	482	23.1%
11.1%	2,034	2,368	334	16.4%
12.3%	2,002	2,084	82	4.1%
13.6%	1,957	2,020	63	3.2%
14.8%	1,918	2,007	88	4.6%
16.0%	1,819	1,985	166	9.1%
17.3%	1,800	1,936	136	7.6%
18.5%	1,658	1,927	269	16.2%
19.8%	1,657	1,910	253	15.3%
21.0%	1,568	1,827	259	16.5%
22.2%	1,542	1,786	244	15.8%
23.5%	1,503	1,776	273	18.2%
24.7%	1,500	1,685	185	12.3%
25.9%	1,500	1,528	28	1.8%
27.2%	1,500	1,500	0	0.0%
28.4%	1,500	1,500	0	0.0%
29.6%	1,500	1,500	0	0.0%
30.9%	1,500	1,500	0	0.0%
32.1%	1,500	1,500	0	0.0%
33.3%	1,500	1,500	0	0.0%
34.6%	1,500	1,500	0	0.0%
35.8%	1,500	1,500	0	0.0%
37.0%	1,500	1,500	0	0.0%
38.3%	1,500	1,500	0	0.0%
39.5%	1,500	1,500	0	0.0%
40.7%	1,500	1,500	0	0.0%
42.0%	1,500	1,500	0	0.0%
43.2%	1,500	1,500	0	0.0%
44.4%	1,500	1,500	0	0.0%
45.7%	1,500	1,500	0	0.0%
46.9%	1,500	1,500	0	0.0%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,486	1,500	14	0.9%
69.1%	1,478	1,500	22	1.5%
70.4%	1,472	1,500	28	1.9%
71.6%	1,464	1,491	28	1.9%
72.8%	1,416	1,480	64	4.5%
74.1%	1,386	1,422	37	2.6%
75.3%	1,362	1,411	49	3.6%
76.5%	1,265	1,391	125	9.9%
77.8%	1,151	1,318	167	14.5%
79.0%	1,101	1,311	210	19.1%
80.2%	1,029	1,262	232	22.6%
81.5%	998	1,256	259	25.9%
82.7%	957	1,217	260	27.1%
84.0%	889	1,155	266	30.0%
85.2%	832	994	162	19.5%
86.4%	820	919	99	12.0%
87.7%	800	907	107	13.4%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	532	800	268	50.4%
98.8%	512	534	22	4.2%
100.0%	481	482	2	0.4%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,486	21,825	1,339	6.5%
1.2%	15,475	14,705	-770	-5.0%
2.5%	8,186	8,924	738	9.0%
3.7%	6,576	7,565	990	15.0%
4.9%	5,452	6,547	1,095	20.1%
6.2%	5,414	5,633	219	4.0%
7.4%	5,000	5,000	0	0.0%
8.6%	4,536	4,461	-75	-1.6%
9.9%	4,461	4,378	-83	-1.9%
11.1%	4,459	4,064	-395	-8.9%
12.3%	3,703	3,955	252	6.8%
13.6%	3,651	3,697	46	1.3%
14.8%	3,648	3,470	-178	-4.9%
16.0%	3,146	3,419	273	8.7%
17.3%	3,124	3,372	249	8.0%
18.5%	3,117	3,219	101	3.2%
19.8%	3,077	3,186	109	3.5%
21.0%	2,865	3,184	318	11.1%
22.2%	2,854	3,157	303	10.6%
23.5%	2,838	3,053	216	7.6%
24.7%	2,742	2,908	167	6.1%
25.9%	2,563	2,837	274	10.7%
27.2%	2,561	2,641	80	3.1%
28.4%	2,526	2,342	-183	-7.3%
29.6%	2,415	2,304	-111	-4.6%
30.9%	2,373	2,265	-107	-4.5%
32.1%	1,929	2,228	299	15.5%
33.3%	1,925	1,943	18	0.9%
34.6%	1,925	1,925	0	0.0%
35.8%	1,925	1,925	0	0.0%
37.0%	1,925	1,925	0	0.0%
38.3%	1,925	1,925	0	0.0%
39.5%	1,752	1,925	173	9.9%
40.7%	1,734	1,925	191	11.0%
42.0%	1,725	1,925	200	11.6%
43.2%	1,717	1,909	192	11.2%
44.4%	1,715	1,890	175	10.2%
45.7%	1,704	1,882	177	10.4%
46.9%	1,683	1,881	197	11.7%
48.1%	1,683	1,795	112	6.6%
49.4%	1,683	1,771	87	5.2%
50.6%	1,683	1,763	80	4.8%
51.9%	1,683	1,739	55	3.3%
53.1%	1,683	1,683	0	0.0%
54.3%	1,683	1,683	0	0.0%
55.6%	1,626	1,683	57	3.5%
56.8%	1,624	1,683	59	3.7%
58.0%	1,619	1,683	64	4.0%
59.3%	1,610	1,683	73	4.5%
60.5%	1,607	1,683	76	4.8%
61.7%	1,570	1,683	113	7.2%
63.0%	1,569	1,683	114	7.3%
64.2%	1,567	1,683	117	7.5%
65.4%	1,562	1,666	104	6.6%
66.7%	1,558	1,607	50	3.2%
67.9%	1,547	1,590	43	2.8%
69.1%	1,486	1,515	29	2.0%
70.4%	1,478	1,510	31	2.1%
71.6%	1,472	1,491	20	1.3%
72.8%	1,464	1,480	16	1.1%
74.1%	1,416	1,422	6	0.4%
75.3%	1,386	1,411	26	1.9%
76.5%	1,362	1,318	-44	-3.2%
77.8%	1,265	1,311	46	3.6%
79.0%	1,151	1,262	110	9.6%
80.2%	1,101	1,256	155	14.1%
81.5%	1,029	1,217	187	18.2%
82.7%	998	1,172	174	17.5%
84.0%	957	1,021	64	6.7%
85.2%	889	933	45	5.0%
86.4%	832	919	87	10.5%
87.7%	800	907	107	13.4%
88.9%	800	843	43	5.3%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	532	800	268	50.4%
98.8%	500	800	300	60.0%
100.0%	500	500	0	0.0%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,259	21,704	445	2.1%
1.2%	20,729	20,730	1	0.0%
2.5%	20,431	20,699	268	1.3%
3.7%	19,569	19,789	219	1.1%
4.9%	19,398	19,398	0	0.0%
6.2%	17,702	17,702	0	0.0%
7.4%	17,634	17,632	-2	0.0%
8.6%	13,586	13,584	-2	0.0%
9.9%	13,234	12,779	-455	-3.4%
11.1%	9,336	9,351	16	0.2%
12.3%	8,417	7,432	-985	-11.7%
13.6%	6,349	6,349	0	0.0%
14.8%	5,288	5,205	-83	-1.6%
16.0%	5,197	5,110	-86	-1.7%
17.3%	5,157	4,414	-742	-14.4%
18.5%	4,823	4,012	-811	-16.8%
19.8%	4,020	3,938	-82	-2.0%
21.0%	3,656	3,760	104	2.8%
22.2%	3,571	3,588	16	0.5%
23.5%	3,394	3,571	177	5.2%
24.7%	3,354	3,555	200	6.0%
25.9%	3,272	3,273	1	0.0%
27.2%	3,254	3,272	18	0.6%
28.4%	3,158	2,833	-325	-10.3%
29.6%	3,092	2,826	-266	-8.6%
30.9%	2,833	2,702	-131	-4.6%
32.1%	2,515	2,586	70	2.8%
33.3%	2,243	2,519	276	12.3%
34.6%	2,197	2,303	106	4.8%
35.8%	2,123	2,166	43	2.0%
37.0%	2,080	2,076	-4	-0.2%
38.3%	2,076	2,000	-76	-3.6%
39.5%	2,011	2,000	-11	-0.6%
40.7%	2,000	2,000	0	0.0%
42.0%	2,000	2,000	0	0.0%
43.2%	2,000	2,000	0	0.0%
44.4%	2,000	2,000	0	0.0%
45.7%	2,000	2,000	0	0.0%
46.9%	2,000	2,000	0	0.0%
48.1%	2,000	2,000	0	0.0%
49.4%	2,000	2,000	0	0.0%
50.6%	2,000	2,000	0	0.0%
51.9%	2,000	2,000	0	0.0%
53.1%	2,000	2,000	0	0.0%
54.3%	2,000	2,000	0	0.0%
55.6%	2,000	2,000	0	0.0%
56.8%	1,902	1,983	81	4.3%
58.0%	1,793	1,964	171	9.5%
59.3%	1,772	1,954	182	10.3%
60.5%	1,750	1,884	134	7.6%
61.7%	1,750	1,865	115	6.6%
63.0%	1,750	1,840	90	5.2%
64.2%	1,750	1,833	83	4.7%
65.4%	1,750	1,750	0	0.0%
66.7%	1,750	1,750	0	0.0%
67.9%	1,672	1,750	78	4.7%
69.1%	1,651	1,750	99	6.0%
70.4%	1,646	1,750	104	6.3%
71.6%	1,596	1,750	154	9.6%
72.8%	1,591	1,750	159	10.0%
74.1%	1,585	1,623	38	2.4%
75.3%	1,564	1,572	8	0.5%
76.5%	1,478	1,521	43	2.9%
77.8%	1,473	1,513	40	2.7%
79.0%	1,472	1,491	20	1.3%
80.2%	1,464	1,422	-42	-2.8%
81.5%	1,416	1,411	-5	-0.3%
82.7%	1,265	1,318	53	4.2%
84.0%	1,151	1,311	160	13.9%
85.2%	1,109	1,262	152	13.7%
86.4%	1,101	1,217	115	10.5%
87.7%	1,029	1,021	-8	-0.8%
88.9%	998	964	-34	-3.4%
90.1%	957	907	-50	-5.3%
91.4%	832	800	-32	-3.8%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	638	800	162	25.5%
100.0%	517	517	0	0.0%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,803	35,803	0	0.0%
1.2%	30,114	30,047	-68	-0.2%
2.5%	25,484	25,484	0	0.0%
3.7%	22,871	22,871	0	0.0%
4.9%	22,836	22,838	2	0.0%
6.2%	21,271	21,271	0	0.0%
7.4%	19,873	20,225	352	1.8%
8.6%	17,319	17,319	0	0.0%
9.9%	15,253	15,251	-2	0.0%
11.1%	15,163	14,939	-224	-1.5%
12.3%	14,540	14,538	-2	0.0%
13.6%	13,512	13,512	0	0.0%
14.8%	11,272	11,273	1	0.0%
16.0%	10,710	10,710	0	0.0%
17.3%	10,630	10,630	0	0.0%
18.5%	10,040	10,040	0	0.0%
19.8%	9,708	9,708	0	0.0%
21.0%	9,472	9,472	0	0.0%
22.2%	8,879	8,739	-139	-1.6%
23.5%	8,739	8,600	-139	-1.6%
24.7%	8,405	8,388	-17	-0.2%
25.9%	8,286	8,287	0	0.0%
27.2%	7,523	7,523	0	0.0%
28.4%	7,180	7,178	-2	0.0%
29.6%	6,818	6,818	0	0.0%
30.9%	6,628	6,628	0	0.0%
32.1%	6,568	6,529	-39	-0.6%
33.3%	6,238	6,238	0	0.0%
34.6%	6,068	5,982	-86	-1.4%
35.8%	5,893	5,893	0	0.0%
37.0%	5,070	5,150	81	1.6%
38.3%	4,367	5,093	726	16.6%
39.5%	4,200	4,962	762	18.1%
40.7%	4,198	4,201	3	0.1%
42.0%	4,045	3,997	-48	-1.2%
43.2%	3,896	3,854	-41	-1.1%
44.4%	3,561	3,790	229	6.4%
45.7%	3,296	3,296	0	0.0%
46.9%	2,725	3,054	329	12.1%
48.1%	2,467	2,998	532	21.6%
49.4%	2,187	2,810	622	28.5%
50.6%	2,129	2,727	598	28.1%
51.9%	2,126	2,187	61	2.9%
53.1%	2,006	2,129	122	6.1%
54.3%	1,908	1,975	67	3.5%
55.6%	1,750	1,908	158	9.0%
56.8%	1,750	1,750	0	0.0%
58.0%	1,700	1,750	50	2.9%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,564	1,700	136	8.7%
72.8%	1,524	1,669	145	9.5%
74.1%	1,511	1,661	150	9.9%
75.3%	1,506	1,564	58	3.9%
76.5%	1,488	1,558	70	4.7%
77.8%	1,488	1,488	0	0.0%
79.0%	1,488	1,488	0	0.0%
80.2%	1,488	1,488	0	0.0%
81.5%	1,421	1,488	66	4.7%
82.7%	1,413	1,488	75	5.3%
84.0%	1,403	1,467	64	4.6%
85.2%	1,353	1,379	26	1.9%
86.4%	1,352	1,311	-41	-3.0%
87.7%	1,257	1,258	1	0.1%
88.9%	1,244	1,209	-35	-2.8%
90.1%	936	1,200	263	28.1%
91.4%	848	1,120	272	32.1%
92.6%	800	868	68	8.5%
93.8%	800	859	59	7.4%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	431	430	-1	-0.1%

Table SW-27-b

American River below Nimbus Reservoir, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	37,373	37,373	0	0.0%
1.2%	25,591	25,591	0	0.0%
2.5%	25,407	25,407	0	0.0%
3.7%	19,180	19,180	0	0.0%
4.9%	18,460	18,460	0	0.0%
6.2%	18,150	18,150	0	0.0%
7.4%	18,129	18,129	0	0.0%
8.6%	17,758	17,935	177	1.0%
9.9%	17,245	17,245	0	0.0%
11.1%	16,718	16,718	0	0.0%
12.3%	16,581	16,582	1	0.0%
13.6%	16,008	16,008	0	0.0%
14.8%	15,500	15,498	-3	0.0%
16.0%	15,213	14,956	-257	-1.7%
17.3%	14,325	14,326	1	0.0%
18.5%	14,291	14,291	0	0.0%
19.8%	14,168	14,168	0	0.0%
21.0%	12,945	12,941	-4	0.0%
22.2%	12,924	12,393	-531	-4.1%
23.5%	12,166	12,165	0	0.0%
24.7%	11,481	11,550	69	0.6%
25.9%	11,171	11,171	0	0.0%
27.2%	10,830	10,830	0	0.0%
28.4%	10,712	10,712	0	0.0%
29.6%	8,708	8,708	0	0.0%
30.9%	8,697	8,697	1	0.0%
32.1%	8,364	8,364	0	0.0%
33.3%	7,499	7,499	0	0.0%
34.6%	7,472	7,474	3	0.0%
35.8%	7,239	7,240	1	0.0%
37.0%	7,193	7,193	0	0.0%
38.3%	7,079	7,080	1	0.0%
39.5%	6,932	6,933	0	0.0%
40.7%	6,796	6,932	137	2.0%
42.0%	6,761	6,734	-27	-0.4%
43.2%	6,134	6,132	-3	0.0%
44.4%	6,130	6,130	0	0.0%
45.7%	6,106	6,106	0	0.0%
46.9%	6,049	6,047	-2	0.0%
48.1%	5,566	5,566	1	0.0%
49.4%	5,503	5,247	-256	-4.6%
50.6%	5,247	4,886	-361	-6.9%
51.9%	4,656	4,657	0	0.0%
53.1%	4,175	4,032	-143	-3.4%
54.3%	4,032	3,983	-50	-1.2%
55.6%	3,910	3,910	0	0.0%
56.8%	3,808	3,645	-162	-4.3%
58.0%	3,645	3,579	-67	-1.8%
59.3%	3,578	3,374	-204	-5.7%
60.5%	3,550	3,093	-457	-12.9%
61.7%	3,500	3,076	-424	-12.1%
63.0%	3,060	2,784	-276	-9.0%
64.2%	2,963	2,684	-279	-9.4%
65.4%	2,767	2,509	-257	-9.3%
66.7%	2,684	2,463	-220	-8.2%
67.9%	2,466	2,400	-65	-2.7%
69.1%	2,400	2,393	-7	-0.3%
70.4%	2,333	2,333	0	0.0%
71.6%	2,163	2,163	0	0.0%
72.8%	1,750	1,938	188	10.7%
74.1%	1,574	1,750	176	11.2%
75.3%	1,564	1,516	-48	-3.1%
76.5%	1,445	1,445	0	0.0%
77.8%	1,445	1,445	0	0.0%
79.0%	1,445	1,445	0	0.0%
80.2%	1,445	1,445	0	0.0%
81.5%	1,445	1,445	0	0.0%
82.7%	1,445	1,445	0	0.0%
84.0%	1,445	1,445	0	0.0%
85.2%	1,296	1,419	123	9.5%
86.4%	1,280	1,330	50	3.9%
87.7%	1,264	1,324	60	4.7%
88.9%	1,264	1,311	47	3.7%
90.1%	1,264	1,264	0	0.0%
91.4%	1,208	1,264	56	4.7%
92.6%	1,193	1,264	72	6.0%
93.8%	1,149	1,264	115	10.0%
95.1%	1,068	1,264	196	18.4%
96.3%	1,058	1,172	115	10.9%
97.5%	991	952	-39	-3.9%
98.8%	419	419	0	0.0%
100.0%	375	375	0	0.0%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,972	20,972	0	0.0%
1.2%	20,170	20,170	0	0.0%
2.5%	18,987	18,987	0	0.0%
3.7%	16,797	16,797	0	0.0%
4.9%	14,188	14,188	0	0.0%
6.2%	12,985	12,985	0	0.0%
7.4%	12,778	12,779	1	0.0%
8.6%	12,180	12,181	0	0.0%
9.9%	12,169	12,169	0	0.0%
11.1%	11,200	11,187	-13	-0.1%
12.3%	10,110	10,105	-5	0.0%
13.6%	9,344	9,725	380	4.1%
14.8%	9,198	9,344	146	1.6%
16.0%	8,964	8,966	2	0.0%
17.3%	8,949	8,949	0	0.0%
18.5%	8,386	8,386	0	0.0%
19.8%	8,260	8,259	-1	0.0%
21.0%	7,840	7,840	0	0.0%
22.2%	7,670	7,671	1	0.0%
23.5%	7,601	7,601	1	0.0%
24.7%	7,580	7,580	0	0.0%
25.9%	6,717	6,695	-21	-0.3%
27.2%	6,695	6,569	-127	-1.9%
28.4%	6,533	6,531	-2	0.0%
29.6%	6,396	6,396	0	0.0%
30.9%	5,914	5,909	-5	-0.1%
32.1%	5,673	5,675	2	0.0%
33.3%	5,627	5,626	-1	0.0%
34.6%	5,454	5,452	-2	0.0%
35.8%	5,357	5,357	0	0.0%
37.0%	5,275	5,132	-143	-2.7%
38.3%	5,132	5,065	-67	-1.3%
39.5%	5,001	5,001	0	0.0%
40.7%	5,000	4,901	-99	-2.0%
42.0%	4,861	4,861	0	0.0%
43.2%	4,663	4,663	0	0.0%
44.4%	4,517	4,517	0	0.0%
45.7%	4,448	4,448	0	0.0%
46.9%	4,054	4,054	0	0.0%
48.1%	3,958	3,958	0	0.0%
49.4%	3,862	3,918	56	1.5%
50.6%	3,815	3,864	49	1.3%
51.9%	3,766	3,815	49	1.3%
53.1%	3,762	3,763	1	0.0%
54.3%	3,508	3,762	254	7.2%
55.6%	3,498	3,507	8	0.2%
56.8%	3,300	3,498	198	6.0%
58.0%	3,294	3,300	6	0.2%
59.3%	3,212	3,294	82	2.6%
60.5%	3,190	3,212	21	0.7%
61.7%	3,051	3,051	0	0.0%
63.0%	2,778	2,714	-64	-2.3%
64.2%	2,716	2,385	-331	-12.2%
65.4%	2,247	2,247	0	0.0%
66.7%	2,173	2,173	0	0.0%
67.9%	1,881	2,100	220	11.7%
69.1%	1,817	1,881	64	3.5%
70.4%	1,750	1,772	22	1.3%
71.6%	1,750	1,750	0	0.0%
72.8%	1,750	1,750	0	0.0%
74.1%	1,750	1,750	0	0.0%
75.3%	1,721	1,750	29	1.7%
76.5%	1,695	1,729	34	2.0%
77.8%	1,488	1,721	233	15.7%
79.0%	1,296	1,696	400	30.9%
80.2%	1,288	1,508	220	17.1%
81.5%	1,243	1,445	202	16.3%
82.7%	951	951	0	0.0%
84.0%	849	810	-40	-4.7%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	416	518	103	24.7%
100.0%	401	417	16	3.9%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,267	19,267	0	0.0%
1.2%	16,960	16,961	1	0.0%
2.5%	11,843	11,840	-3	0.0%
3.7%	10,315	10,323	8	0.1%
4.9%	9,315	9,315	0	0.0%
6.2%	8,270	8,270	1	0.0%
7.4%	8,048	8,049	1	0.0%
8.6%	7,221	7,221	0	0.0%
9.9%	6,839	6,839	0	0.0%
11.1%	6,753	6,753	0	0.0%
12.3%	6,471	6,471	0	0.0%
13.6%	6,422	6,422	0	0.0%
14.8%	6,380	6,380	0	0.0%
16.0%	6,160	6,160	0	0.0%
17.3%	5,755	5,750	-4	-0.1%
18.5%	5,331	5,331	0	0.0%
19.8%	5,215	5,216	2	0.0%
21.0%	4,771	4,771	0	0.0%
22.2%	4,677	4,679	2	0.0%
23.5%	4,592	4,592	0	0.0%
24.7%	4,373	4,373	0	0.0%
25.9%	4,373	4,362	-10	-0.2%
27.2%	3,993	3,993	0	0.0%
28.4%	3,750	3,753	3	0.1%
29.6%	3,548	3,545	-3	-0.1%
30.9%	3,108	3,108	0	0.0%
32.1%	3,106	3,105	0	0.0%
33.3%	2,994	2,994	0	0.0%
34.6%	2,989	2,989	0	0.0%
35.8%	2,802	2,911	110	3.9%
37.0%	2,527	2,799	273	10.8%
38.3%	2,506	2,527	20	0.8%
39.5%	2,436	2,432	-4	-0.2%
40.7%	2,432	2,421	-11	-0.4%
42.0%	2,421	2,357	-65	-2.7%
43.2%	2,355	1,950	-405	-17.2%
44.4%	2,095	1,750	-345	-16.5%
45.7%	1,968	1,750	-218	-11.1%
46.9%	1,750	1,750	0	0.0%
48.1%	1,750	1,750	0	0.0%
49.4%	1,750	1,750	0	0.0%
50.6%	1,750	1,750	0	0.0%
51.9%	1,750	1,750	0	0.0%
53.1%	1,750	1,750	0	0.0%
54.3%	1,750	1,721	-29	-1.7%
55.6%	1,750	1,707	-43	-2.5%
56.8%	1,724	1,669	-55	-3.2%
58.0%	1,721	1,663	-58	-3.4%
59.3%	1,707	1,657	-50	-2.9%
60.5%	1,608	1,607	-1	0.0%
61.7%	1,600	1,508	-92	-5.8%
63.0%	1,488	1,445	-43	-2.9%
64.2%	1,401	1,413	12	0.8%
65.4%	1,311	1,401	90	6.9%
66.7%	1,296	1,384	88	6.8%
67.9%	1,279	1,375	95	7.5%
69.1%	1,269	1,358	89	7.0%
70.4%	1,210	1,311	102	8.4%
71.6%	1,206	1,301	95	7.9%
72.8%	1,176	1,270	94	8.0%
74.1%	1,141	1,210	69	6.0%
75.3%	1,127	1,176	49	4.4%
76.5%	1,101	1,141	40	3.6%
77.8%	1,057	1,114	57	5.4%
79.0%	1,007	1,101	94	9.4%
80.2%	951	1,057	106	11.1%
81.5%	939	1,020	81	8.6%
82.7%	927	1,000	73	7.9%
84.0%	882	1,000	118	13.4%
85.2%	800	1,000	200	25.0%
86.4%	800	1,000	200	25.0%
87.7%	800	1,000	200	25.0%
88.9%	800	1,000	200	25.0%
90.1%	800	1,000	200	25.0%
91.4%	800	1,000	200	25.0%
92.6%	800	1,000	200	25.0%
93.8%	800	951	151	18.9%
95.1%	800	854	54	6.7%
96.3%	800	841	41	5.1%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	360	800	440	122.1%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,589	8,590	1	0.0%
1.2%	7,932	7,932	0	0.0%
2.5%	5,924	5,924	0	0.0%
3.7%	5,478	5,478	0	0.0%
4.9%	5,464	5,464	0	0.0%
6.2%	4,112	4,112	0	0.0%
7.4%	3,937	3,937	0	0.0%
8.6%	3,756	3,756	0	0.0%
9.9%	3,753	3,753	0	0.0%
11.1%	3,123	3,123	0	0.0%
12.3%	2,898	3,104	206	7.1%
13.6%	2,796	2,796	0	0.0%
14.8%	2,792	2,792	0	0.0%
16.0%	2,768	2,768	0	0.0%
17.3%	2,394	2,425	31	1.3%
18.5%	2,382	2,329	-52	-2.2%
19.8%	2,329	2,194	-135	-5.8%
21.0%	2,197	2,154	-43	-2.0%
22.2%	2,159	2,002	-157	-7.3%
23.5%	2,006	1,934	-72	-3.6%
24.7%	1,919	1,925	6	0.3%
25.9%	1,886	1,911	25	1.3%
27.2%	1,868	1,842	-27	-1.4%
28.4%	1,859	1,800	-59	-3.2%
29.6%	1,750	1,750	0	0.0%
30.9%	1,750	1,750	0	0.0%
32.1%	1,750	1,750	0	0.0%
33.3%	1,750	1,750	0	0.0%
34.6%	1,750	1,750	0	0.0%
35.8%	1,750	1,750	0	0.0%
37.0%	1,750	1,750	0	0.0%
38.3%	1,750	1,750	0	0.0%
39.5%	1,750	1,750	0	0.0%
40.7%	1,750	1,750	0	0.0%
42.0%	1,750	1,750	0	0.0%
43.2%	1,750	1,750	0	0.0%
44.4%	1,750	1,750	0	0.0%
45.7%	1,750	1,750	0	0.0%
46.9%	1,750	1,750	0	0.0%
48.1%	1,750	1,750	0	0.0%
49.4%	1,721	1,750	29	1.7%
50.6%	1,707	1,721	14	0.8%
51.9%	1,575	1,707	132	8.4%
53.1%	1,493	1,575	82	5.5%
54.3%	1,401	1,445	44	3.1%
55.6%	1,296	1,401	105	8.1%
56.8%	1,229	1,394	165	13.5%
58.0%	1,210	1,340	130	10.8%
59.3%	1,206	1,245	39	3.2%
60.5%	1,185	1,245	60	5.1%
61.7%	1,184	1,245	61	5.2%
63.0%	1,183	1,245	62	5.2%
64.2%	1,182	1,245	64	5.4%
65.4%	1,176	1,245	69	5.9%
66.7%	1,163	1,245	82	7.1%
67.9%	1,159	1,245	86	7.5%
69.1%	1,141	1,245	104	9.2%
70.4%	1,091	1,245	155	14.2%
71.6%	1,068	1,245	177	16.6%
72.8%	1,067	1,245	178	16.7%
74.1%	1,057	1,217	160	15.1%
75.3%	1,043	1,210	167	16.0%
76.5%	1,011	1,190	179	17.8%
77.8%	997	1,189	192	19.3%
79.0%	951	1,185	233	24.5%
80.2%	939	1,185	245	26.1%
81.5%	917	1,179	262	28.6%
82.7%	882	1,172	290	32.9%
84.0%	838	1,142	304	36.2%
85.2%	817	1,126	309	37.9%
86.4%	800	1,093	293	36.6%
87.7%	800	1,013	213	26.6%
88.9%	800	971	171	21.3%
90.1%	800	968	168	21.0%
91.4%	800	938	138	17.2%
92.6%	800	897	97	12.1%
93.8%	800	836	36	4.6%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	305	506	200	65.6%

Table SW-27-b

American River below Nimbus Reservoir, Monthly Flow
Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,335	3,640	-695	-16.0%
1.2%	4,140	3,247	-893	-21.6%
2.5%	3,902	2,921	-981	-25.2%
3.7%	3,758	2,850	-908	-24.2%
4.9%	3,687	2,713	-975	-26.4%
6.2%	3,154	2,703	-452	-14.3%
7.4%	2,909	2,641	-268	-9.2%
8.6%	2,856	2,630	-226	-7.9%
9.9%	2,850	2,630	-220	-7.7%
11.1%	2,630	2,625	-5	-0.2%
12.3%	2,451	2,558	107	4.4%
13.6%	2,357	2,451	94	4.0%
14.8%	2,312	2,357	45	1.9%
16.0%	2,250	2,250	0	0.0%
17.3%	2,216	2,209	-8	-0.3%
18.5%	2,151	2,200	49	2.3%
19.8%	2,109	2,192	83	3.9%
21.0%	2,093	2,149	56	2.7%
22.2%	2,083	2,093	10	0.5%
23.5%	2,046	2,083	37	1.8%
24.7%	2,021	2,048	26	1.3%
25.9%	1,985	2,020	35	1.8%
27.2%	1,979	2,011	32	1.6%
28.4%	1,978	1,992	14	0.7%
29.6%	1,964	1,963	-1	-0.1%
30.9%	1,963	1,908	-55	-2.8%
32.1%	1,922	1,843	-79	-4.1%
33.3%	1,819	1,760	-59	-3.2%
34.6%	1,777	1,750	-27	-1.5%
35.8%	1,750	1,750	0	0.0%
37.0%	1,750	1,750	0	0.0%
38.3%	1,750	1,750	0	0.0%
39.5%	1,750	1,750	0	0.0%
40.7%	1,750	1,750	0	0.0%
42.0%	1,750	1,750	0	0.0%
43.2%	1,750	1,750	0	0.0%
44.4%	1,750	1,750	0	0.0%
45.7%	1,750	1,750	0	0.0%
46.9%	1,750	1,750	0	0.0%
48.1%	1,750	1,750	0	0.0%
49.4%	1,750	1,750	0	0.0%
50.6%	1,750	1,750	0	0.0%
51.9%	1,750	1,750	0	0.0%
53.1%	1,750	1,750	0	0.0%
54.3%	1,750	1,707	-43	-2.5%
55.6%	1,750	1,594	-156	-8.9%
56.8%	1,707	1,575	-132	-7.7%
58.0%	1,651	1,569	-81	-4.9%
59.3%	1,583	1,567	-15	-1.0%
60.5%	1,575	1,565	-10	-0.7%
61.7%	1,550	1,563	13	0.8%
63.0%	1,516	1,552	36	2.4%
64.2%	1,512	1,535	23	1.6%
65.4%	1,422	1,532	110	7.8%
66.7%	1,401	1,527	125	9.0%
67.9%	1,358	1,523	164	12.1%
69.1%	1,353	1,521	168	12.4%
70.4%	1,229	1,521	292	23.8%
71.6%	1,210	1,520	311	25.7%
72.8%	1,209	1,519	310	25.7%
74.1%	1,176	1,515	339	28.9%
75.3%	1,163	1,503	340	29.2%
76.5%	1,154	1,493	339	29.4%
77.8%	1,141	1,481	341	29.9%
79.0%	1,128	1,437	309	27.4%
80.2%	1,124	1,401	277	24.6%
81.5%	1,067	1,381	314	29.5%
82.7%	1,057	1,345	288	27.2%
84.0%	1,053	1,334	281	26.7%
85.2%	1,011	1,289	279	27.6%
86.4%	951	1,258	306	32.2%
87.7%	951	1,228	277	29.1%
88.9%	909	1,200	291	32.1%
90.1%	896	1,124	227	25.4%
91.4%	844	1,083	238	28.2%
92.6%	838	962	124	14.8%
93.8%	828	904	76	9.2%
95.1%	800	889	89	11.2%
96.3%	779	800	21	2.7%
97.5%	621	646	25	4.0%
98.8%	517	564	47	9.2%
100.0%	357	437	80	22.4%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,000	5,000	0	0.0%
1.2%	5,000	5,000	0	0.0%
2.5%	5,000	5,000	0	0.0%
3.7%	5,000	5,000	0	0.0%
4.9%	5,000	5,000	0	0.0%
6.2%	5,000	5,000	0	0.0%
7.4%	5,000	5,000	0	0.0%
8.6%	5,000	5,000	0	0.0%
9.9%	5,000	5,000	0	0.0%
11.1%	5,000	5,000	0	0.0%
12.3%	5,000	4,788	-212	-4.2%
13.6%	5,000	4,695	-305	-6.1%
14.8%	5,000	4,690	-310	-6.2%
16.0%	5,000	4,395	-605	-12.1%
17.3%	5,000	4,367	-633	-12.7%
18.5%	5,000	4,365	-635	-12.7%
19.8%	5,000	4,288	-712	-14.2%
21.0%	5,000	4,278	-722	-14.4%
22.2%	5,000	4,127	-873	-17.5%
23.5%	5,000	4,020	-980	-19.6%
24.7%	5,000	3,961	-1,039	-20.8%
25.9%	5,000	3,847	-1,153	-23.1%
27.2%	5,000	3,725	-1,275	-25.5%
28.4%	4,929	3,696	-1,233	-25.0%
29.6%	4,814	3,591	-1,223	-25.4%
30.9%	4,683	3,562	-1,121	-23.9%
32.1%	4,588	3,409	-1,179	-25.7%
33.3%	4,537	3,366	-1,171	-25.8%
34.6%	4,444	3,316	-1,128	-25.4%
35.8%	4,348	3,148	-1,200	-27.6%
37.0%	4,230	2,975	-1,255	-29.7%
38.3%	4,189	2,973	-1,217	-29.0%
39.5%	4,175	2,967	-1,208	-28.9%
40.7%	4,095	2,855	-1,240	-30.3%
42.0%	4,052	2,839	-1,213	-29.9%
43.2%	3,918	2,824	-1,094	-27.9%
44.4%	3,725	2,756	-969	-26.0%
45.7%	3,712	2,660	-1,052	-28.4%
46.9%	3,654	2,612	-1,042	-28.5%
48.1%	3,558	2,564	-994	-27.9%
49.4%	3,432	2,533	-898	-26.2%
50.6%	3,397	2,488	-909	-26.7%
51.9%	3,370	2,466	-903	-26.8%
53.1%	3,332	2,464	-867	-26.0%
54.3%	3,188	2,438	-750	-23.5%
55.6%	3,171	2,432	-739	-23.3%
56.8%	3,123	2,417	-706	-22.6%
58.0%	3,097	2,408	-688	-22.2%
59.3%	2,883	2,400	-483	-16.8%
60.5%	2,866	2,397	-469	-16.4%
61.7%	2,795	2,395	-400	-14.3%
63.0%	2,787	2,394	-393	-14.1%
64.2%	2,740	2,373	-367	-13.4%
65.4%	2,631	2,367	-264	-10.0%
66.7%	2,610	2,363	-247	-9.5%
67.9%	2,566	2,362	-205	-8.0%
69.1%	2,556	2,351	-205	-8.0%
70.4%	2,533	2,350	-183	-7.2%
71.6%	2,408	2,345	-64	-2.6%
72.8%	2,388	2,331	-56	-2.4%
74.1%	2,378	2,329	-49	-2.1%
75.3%	2,375	1,999	-376	-15.8%
76.5%	1,856	1,993	137	7.4%
77.8%	1,835	1,990	155	8.5%
79.0%	1,818	1,989	171	9.4%
80.2%	1,815	1,987	173	9.5%
81.5%	1,776	1,981	205	11.6%
82.7%	1,750	1,841	91	5.2%
84.0%	1,750	1,826	76	4.3%
85.2%	1,750	1,760	10	0.6%
86.4%	1,750	1,659	-91	-5.2%
87.7%	1,743	1,601	-142	-8.1%
88.9%	1,717	1,596	-121	-7.1%
90.1%	1,512	1,496	-15	-1.0%
91.4%	1,415	1,415	0	0.0%
92.6%	1,215	1,344	129	10.6%
93.8%	1,124	1,246	122	10.8%
95.1%	1,082	1,169	87	8.0%
96.3%	1,008	1,156	148	14.7%
97.5%	891	1,138	246	27.6%
98.8%	699	723	24	3.4%
100.0%	517	395	-121	-23.5%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,363	2,956	-407	-12.1%
1.2%	2,882	2,783	-99	-3.4%
2.5%	2,782	2,614	-168	-6.0%
3.7%	2,772	2,533	-239	-8.6%
4.9%	2,749	2,361	-388	-14.1%
6.2%	2,576	2,339	-237	-9.2%
7.4%	2,483	2,321	-162	-6.5%
8.6%	2,301	2,302	1	0.1%
9.9%	2,288	2,002	-287	-12.5%
11.1%	2,014	2,000	-14	-0.7%
12.3%	2,009	2,000	-9	-0.4%
13.6%	1,927	2,000	73	3.8%
14.8%	1,829	1,999	170	9.3%
16.0%	1,789	1,999	210	11.7%
17.3%	1,776	1,998	222	12.5%
18.5%	1,775	1,997	222	12.5%
19.8%	1,750	1,992	242	13.8%
21.0%	1,750	1,982	232	13.3%
22.2%	1,750	1,944	194	11.1%
23.5%	1,750	1,856	106	6.1%
24.7%	1,750	1,840	90	5.1%
25.9%	1,750	1,834	84	4.8%
27.2%	1,750	1,813	63	3.6%
28.4%	1,750	1,793	43	2.5%
29.6%	1,750	1,792	42	2.4%
30.9%	1,750	1,791	41	2.3%
32.1%	1,750	1,755	5	0.3%
33.3%	1,750	1,750	0	0.0%
34.6%	1,750	1,750	0	0.0%
35.8%	1,750	1,750	0	0.0%
37.0%	1,750	1,750	0	0.0%
38.3%	1,750	1,750	0	0.0%
39.5%	1,750	1,750	0	0.0%
40.7%	1,750	1,750	0	0.0%
42.0%	1,750	1,750	0	0.0%
43.2%	1,750	1,750	0	0.0%
44.4%	1,750	1,737	-13	-0.8%
45.7%	1,750	1,707	-43	-2.5%
46.9%	1,750	1,659	-91	-5.2%
48.1%	1,750	1,654	-96	-5.5%
49.4%	1,750	1,605	-145	-8.3%
50.6%	1,750	1,599	-151	-8.6%
51.9%	1,707	1,598	-109	-6.4%
53.1%	1,706	1,586	-119	-7.0%
54.3%	1,575	1,585	9	0.6%
55.6%	1,518	1,575	57	3.7%
56.8%	1,512	1,545	33	2.2%
58.0%	1,446	1,535	88	6.1%
59.3%	1,440	1,516	76	5.3%
60.5%	1,401	1,515	114	8.1%
61.7%	1,285	1,496	212	16.5%
63.0%	1,240	1,447	207	16.7%
64.2%	1,235	1,401	166	13.5%
65.4%	1,229	1,352	123	10.0%
66.7%	1,228	1,331	103	8.4%
67.9%	1,210	1,326	116	9.6%
69.1%	1,192	1,320	128	10.7%
70.4%	1,176	1,320	144	12.2%
71.6%	1,163	1,264	101	8.7%
72.8%	1,141	1,259	119	10.4%
74.1%	1,107	1,181	74	6.6%
75.3%	1,071	1,172	101	9.4%
76.5%	1,067	1,163	96	9.0%
77.8%	1,057	1,156	99	9.3%
79.0%	1,046	1,133	88	8.4%
80.2%	951	1,105	153	16.1%
81.5%	882	1,075	194	22.0%
82.7%	882	1,057	176	19.9%
84.0%	800	1,003	203	25.4%
85.2%	800	1,002	202	25.2%
86.4%	800	989	189	23.7%
87.7%	800	951	151	18.9%
88.9%	800	887	87	10.9%
90.1%	800	882	82	10.2%
91.4%	800	852	52	6.5%
92.6%	800	828	28	3.4%
93.8%	800	822	22	2.8%
95.1%	800	800	0	0.0%
96.3%	699	796	97	13.8%
97.5%	517	737	220	42.6%
98.8%	439	647	208	47.3%
100.0%	363	509	146	40.2%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,000	4,944	-56	-1.1%
1.2%	5,000	4,793	-207	-4.1%
2.5%	5,000	4,736	-264	-5.3%
3.7%	5,000	4,717	-283	-5.7%
4.9%	5,000	4,629	-371	-7.4%
6.2%	4,798	3,901	-896	-18.7%
7.4%	4,035	3,757	-278	-6.9%
8.6%	3,489	3,385	-105	-3.0%
9.9%	3,445	3,304	-141	-4.1%
11.1%	3,281	2,999	-282	-8.6%
12.3%	3,245	2,952	-293	-9.0%
13.6%	2,983	2,905	-78	-2.6%
14.8%	2,966	2,860	-106	-3.6%
16.0%	2,954	2,811	-142	-4.8%
17.3%	2,821	2,779	-42	-1.5%
18.5%	2,727	2,702	-25	-0.9%
19.8%	2,685	2,685	0	0.0%
21.0%	2,665	2,647	-18	-0.7%
22.2%	2,572	2,595	23	0.9%
23.5%	2,551	2,522	-29	-1.1%
24.7%	2,458	2,377	-81	-3.3%
25.9%	2,432	2,264	-168	-6.9%
27.2%	2,278	2,250	-28	-1.2%
28.4%	2,159	1,959	-200	-9.3%
29.6%	1,953	1,888	-65	-3.3%
30.9%	1,940	1,857	-83	-4.3%
32.1%	1,819	1,815	-5	-0.3%
33.3%	1,785	1,750	-35	-2.0%
34.6%	1,733	1,688	-45	-2.6%
35.8%	1,687	1,650	-37	-2.2%
37.0%	1,588	1,650	62	3.9%
38.3%	1,533	1,650	117	7.6%
39.5%	1,533	1,650	117	7.6%
40.7%	1,533	1,650	117	7.6%
42.0%	1,533	1,623	90	5.9%
43.2%	1,533	1,603	69	4.5%
44.4%	1,533	1,533	0	0.0%
45.7%	1,533	1,533	0	0.0%
46.9%	1,533	1,533	0	0.0%
48.1%	1,528	1,533	6	0.4%
49.4%	1,514	1,533	19	1.3%
50.6%	1,512	1,528	16	1.1%
51.9%	1,510	1,514	4	0.3%
53.1%	1,480	1,502	22	1.5%
54.3%	1,470	1,496	26	1.8%
55.6%	1,371	1,478	107	7.8%
56.8%	1,303	1,462	159	12.2%
58.0%	1,235	1,415	180	14.5%
59.3%	1,229	1,410	181	14.7%
60.5%	1,210	1,404	194	16.1%
61.7%	1,206	1,401	195	16.2%
63.0%	1,184	1,389	205	17.3%
64.2%	1,176	1,317	141	12.0%
65.4%	1,115	1,299	184	16.5%
66.7%	1,067	1,257	190	17.8%
67.9%	1,057	1,235	178	16.8%
69.1%	1,022	1,234	211	20.7%
70.4%	1,018	1,210	192	18.8%
71.6%	1,011	1,196	186	18.4%
72.8%	939	1,190	250	26.7%
74.1%	882	1,155	273	31.0%
75.3%	828	1,141	313	37.8%
76.5%	800	1,134	334	41.8%
77.8%	800	1,121	321	40.2%
79.0%	800	1,057	257	32.2%
80.2%	800	1,054	254	31.7%
81.5%	800	1,039	239	29.9%
82.7%	800	1,037	237	29.6%
84.0%	800	1,018	218	27.2%
85.2%	800	1,012	212	26.5%
86.4%	800	957	157	19.7%
87.7%	800	931	131	16.3%
88.9%	800	867	67	8.4%
90.1%	800	830	30	3.7%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	699	800	101	14.4%
96.3%	517	729	213	41.2%
97.5%	476	689	213	44.7%
98.8%	461	554	93	20.2%
100.0%	375	400	25	6.7%

Figure SW-28-b
American River at Watt Avenue, Monthly Flow
Probability of Exceedance

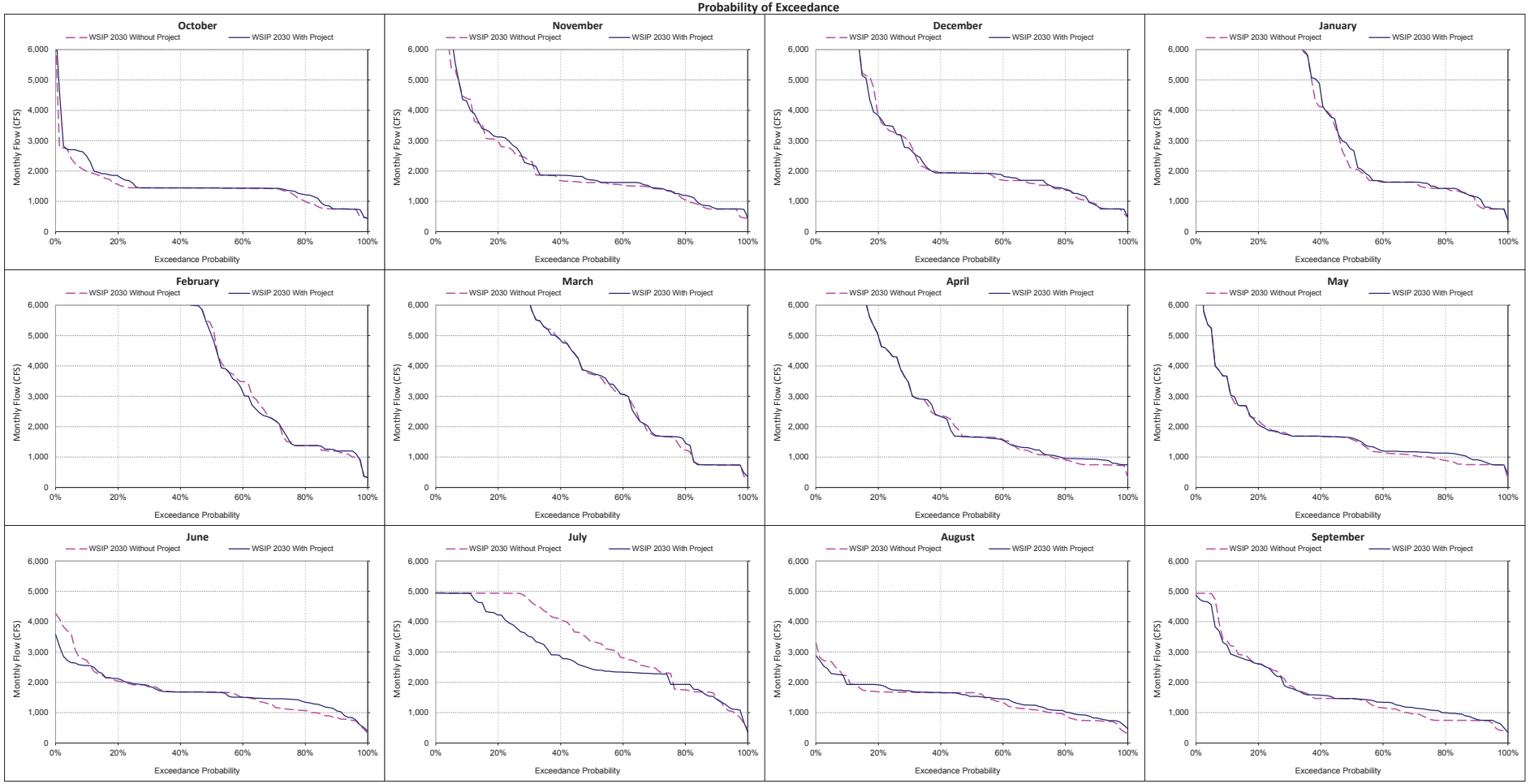


Table SW-28-b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,243	6,698	455	7.3%
1.2%	2,762	4,566	1,804	65.3%
2.5%	2,761	2,822	60	2.2%
3.7%	2,732	2,710	-22	-0.8%
4.9%	2,417	2,699	281	11.6%
6.2%	2,252	2,698	446	19.8%
7.4%	2,144	2,662	518	24.2%
8.6%	2,064	2,630	565	27.4%
9.9%	1,993	2,495	502	25.2%
11.1%	1,942	2,296	353	18.2%
12.3%	1,911	1,993	82	4.3%
13.6%	1,865	1,957	92	4.9%
14.8%	1,836	1,918	82	4.5%
16.0%	1,749	1,904	155	8.9%
17.3%	1,726	1,867	141	8.1%
18.5%	1,588	1,856	267	16.8%
19.8%	1,568	1,852	284	18.1%
21.0%	1,504	1,770	266	17.7%
22.2%	1,488	1,697	209	14.0%
23.5%	1,448	1,687	238	16.4%
24.7%	1,448	1,597	148	10.2%
25.9%	1,448	1,463	15	1.0%
27.2%	1,448	1,444	-4	-0.3%
28.4%	1,447	1,442	-4	-0.3%
29.6%	1,444	1,442	-2	-0.1%
30.9%	1,444	1,442	-2	-0.1%
32.1%	1,444	1,442	-2	-0.1%
33.3%	1,443	1,442	-1	-0.1%
34.6%	1,443	1,442	-1	-0.1%
35.8%	1,442	1,442	-1	0.0%
37.0%	1,442	1,441	-1	0.0%
38.3%	1,442	1,441	-1	-0.1%
39.5%	1,442	1,441	-1	-0.1%
40.7%	1,442	1,440	-1	-0.1%
42.0%	1,441	1,440	-1	0.0%
43.2%	1,440	1,440	-1	-0.1%
44.4%	1,440	1,440	0	0.0%
45.7%	1,439	1,439	0	0.0%
46.9%	1,439	1,439	0	0.0%
48.1%	1,439	1,439	0	0.0%
49.4%	1,439	1,439	0	0.0%
50.6%	1,439	1,439	0	0.0%
51.9%	1,439	1,439	0	0.0%
53.1%	1,439	1,438	-1	0.0%
54.3%	1,439	1,438	-1	-0.1%
55.6%	1,437	1,438	1	0.1%
56.8%	1,437	1,438	1	0.1%
58.0%	1,431	1,438	7	0.5%
59.3%	1,430	1,438	8	0.6%
60.5%	1,430	1,438	8	0.6%
61.7%	1,429	1,437	8	0.6%
63.0%	1,429	1,436	8	0.5%
64.2%	1,427	1,435	8	0.6%
65.4%	1,425	1,432	6	0.4%
66.7%	1,424	1,430	6	0.4%
67.9%	1,422	1,429	7	0.5%
69.1%	1,421	1,427	6	0.4%
70.4%	1,420	1,427	7	0.5%
71.6%	1,405	1,423	18	1.2%
72.8%	1,355	1,404	48	3.6%
74.1%	1,334	1,367	33	2.5%
75.3%	1,284	1,351	67	5.2%
76.5%	1,199	1,335	136	11.3%
77.8%	1,100	1,261	161	14.7%
79.0%	1,050	1,241	191	18.2%
80.2%	978	1,209	231	23.6%
81.5%	937	1,204	267	28.5%
82.7%	907	1,149	242	26.7%
84.0%	828	1,103	275	33.2%
85.2%	780	942	162	20.8%
86.4%	769	859	91	11.8%
87.7%	754	855	101	13.4%
88.9%	748	750	2	0.3%
90.1%	748	750	1	0.2%
91.4%	748	748	0	0.0%
92.6%	748	746	-3	-0.3%
93.8%	748	744	-4	-0.6%
95.1%	739	743	5	0.6%
96.3%	728	739	12	1.6%
97.5%	487	728	241	49.5%
98.8%	467	487	20	4.2%
100.0%	439	439	0	0.0%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,423	21,762	1,339	6.6%
1.2%	15,410	14,633	-777	-5.0%
2.5%	8,123	8,858	734	9.0%
3.7%	6,522	7,504	982	15.1%
4.9%	5,386	6,484	1,099	20.4%
6.2%	5,352	5,568	217	4.1%
7.4%	4,925	4,926	1	0.0%
8.6%	4,467	4,351	-117	-2.6%
9.9%	4,392	4,313	-79	-1.8%
11.1%	4,355	3,997	-358	-8.2%
12.3%	3,640	3,892	252	6.9%
13.6%	3,581	3,633	52	1.5%
14.8%	3,581	3,394	-186	-5.2%
16.0%	3,080	3,356	276	9.0%
17.3%	3,055	3,281	227	7.4%
18.5%	3,055	3,151	96	3.2%
19.8%	3,009	3,121	111	3.7%
21.0%	2,803	3,118	316	11.3%
22.2%	2,792	3,095	303	10.9%
23.5%	2,766	2,980	214	7.7%
24.7%	2,676	2,846	170	6.3%
25.9%	2,500	2,763	263	10.5%
27.2%	2,498	2,578	80	3.2%
28.4%	2,462	2,280	-182	-7.4%
29.6%	2,352	2,242	-111	-4.7%
30.9%	2,310	2,203	-107	-4.6%
32.1%	1,866	2,153	288	15.4%
33.3%	1,862	1,880	18	1.0%
34.6%	1,862	1,862	0	0.0%
35.8%	1,862	1,862	0	0.0%
37.0%	1,851	1,862	12	0.6%
38.3%	1,850	1,862	12	0.6%
39.5%	1,689	1,862	173	10.3%
40.7%	1,671	1,854	183	11.0%
42.0%	1,663	1,851	188	11.3%
43.2%	1,655	1,846	192	11.6%
44.4%	1,653	1,827	175	10.6%
45.7%	1,641	1,819	177	10.8%
46.9%	1,621	1,818	197	12.2%
48.1%	1,621	1,732	112	6.9%
49.4%	1,621	1,708	87	5.4%
50.6%	1,621	1,697	76	4.7%
51.9%	1,621	1,672	51	3.2%
53.1%	1,621	1,621	0	0.0%
54.3%	1,619	1,621	1	0.1%
55.6%	1,563	1,621	57	3.7%
56.8%	1,561	1,621	59	3.8%
58.0%	1,556	1,621	64	4.1%
59.3%	1,548	1,621	73	4.7%
60.5%	1,544	1,621	76	5.0%
61.7%	1,508	1,621	113	7.5%
63.0%	1,506	1,621	114	7.6%
64.2%	1,504	1,620	117	7.8%
65.4%	1,499	1,603	104	6.9%
66.7%	1,495	1,545	50	3.3%
67.9%	1,484	1,527	43	2.9%
69.1%	1,423	1,453	29	2.1%
70.4%	1,416	1,444	28	2.0%
71.6%	1,409	1,429	20	1.4%
72.8%	1,401	1,418	16	1.2%
74.1%	1,354	1,360	6	0.4%
75.3%	1,324	1,349	26	1.9%
76.5%	1,301	1,257	-44	-3.4%
77.8%	1,205	1,250	46	3.8%
79.0%	1,092	1,201	109	10.0%
80.2%	1,042	1,196	154	14.7%
81.5%	971	1,157	186	19.1%
82.7%	940	1,115	174	18.5%
84.0%	900	962	61	6.8%
85.2%	834	880	47	5.6%
86.4%	778	863	86	11.0%
87.7%	747	851	104	13.9%
88.9%	747	789	43	5.7%
90.1%	746	752	5	0.7%
91.4%	746	747	0	0.1%
92.6%	746	747	0	0.0%
93.8%	746	747	0	0.0%
95.1%	746	746	0	0.0%
96.3%	746	746	0	0.0%
97.5%	484	746	262	54.2%
98.8%	453	734	281	61.9%
100.0%	452	453	1	0.2%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,198	21,642	444	2.1%
1.2%	20,502	20,638	136	0.7%
2.5%	20,370	20,491	121	0.6%
3.7%	19,478	19,697	219	1.1%
4.9%	19,214	19,221	7	0.0%
6.2%	17,583	17,576	-6	0.0%
7.4%	17,529	17,518	-11	-0.1%
8.6%	13,491	13,479	-12	-0.1%
9.9%	13,171	12,717	-454	-3.4%
11.1%	9,282	9,297	15	0.2%
12.3%	8,354	7,349	-1,005	-12.0%
13.6%	6,275	6,272	-3	0.0%
14.8%	5,228	5,154	-75	-1.4%
16.0%	5,145	5,052	-93	-1.8%
17.3%	5,105	4,363	-742	-14.5%
18.5%	4,748	3,940	-809	-17.0%
19.8%	3,947	3,855	-93	-2.3%
21.0%	3,592	3,695	104	2.9%
22.2%	3,476	3,508	32	0.9%
23.5%	3,332	3,492	160	4.8%
24.7%	3,292	3,474	182	5.5%
25.9%	3,193	3,205	12	0.4%
27.2%	3,186	3,186	0	0.0%
28.4%	3,106	2,774	-332	-10.7%
29.6%	3,012	2,766	-246	-8.2%
30.9%	2,763	2,640	-124	-4.5%
32.1%	2,453	2,521	68	2.8%
33.3%	2,168	2,454	286	13.2%
34.6%	2,136	2,241	106	5.0%
35.8%	2,060	2,089	29	1.4%
37.0%	2,007	2,001	-6	-0.3%
38.3%	1,994	1,940	-54	-2.7%
39.5%	1,940	1,936	-4	-0.2%
40.7%	1,939	1,936	-3	-0.2%
42.0%	1,936	1,936	0	0.0%
43.2%	1,936	1,936	0	0.0%
44.4%	1,936	1,935	0	0.0%
45.7%	1,936	1,933	-3	-0.1%
46.9%	1,932	1,933	1	0.0%
48.1%	1,930	1,927	-3	-0.2%
49.4%	1,928	1,926	-3	-0.1%
50.6%	1,927	1,925	-3	-0.1%
51.9%	1,926	1,925	-1	-0.1%
53.1%	1,920	1,924	4	0.2%
54.3%	1,920	1,922	2	0.1%
55.6%	1,913	1,919	6	0.3%
56.8%	1,833	1,914	82	4.4%
58.0%	1,731	1,900	169	9.8%
59.3%	1,709	1,890	181	10.6%
60.5%	1,688	1,813	125	7.4%
61.7%	1,688	1,802	114	6.8%
63.0%	1,688	1,777	89	5.3%
64.2%	1,688	1,770	82	4.9%
65.4%	1,688	1,688	0	0.0%
66.7%	1,688	1,688	0	0.0%
67.9%	1,610	1,688	77	4.8%
69.1%	1,589	1,688	99	6.2%
70.4%	1,584	1,688	104	6.5%
71.6%	1,535	1,688	153	10.0%
72.8%	1,530	1,688	158	10.3%
74.1%	1,523	1,561	38	2.5%
75.3%	1,502	1,511	9	0.6%
76.5%	1,418	1,460	43	3.0%
77.8%	1,414	1,452	39	2.7%
79.0%	1,411	1,431	20	1.4%
80.2%	1,403	1,362	-41	-2.9%
81.5%	1,356	1,351	-5	-0.3%
82.7%	1,207	1,259	52	4.3%
84.0%	1,094	1,252	159	14.5%
85.2%	1,058	1,203	145	13.8%
86.4%	1,044	1,159	114	10.9%
87.7%	973	965	-8	-0.8%
88.9%	942	912	-30	-3.2%
90.1%	902	853	-49	-5.5%
91.4%	779	748	-31	-4.0%
92.6%	754	748	-6	-0.8%
93.8%	748	748	0	0.0%
95.1%	748	748	0	0.0%
96.3%	748	747	-1	-0.1%
97.5%	748	746	-3	-0.4%
98.8%	591	742	151	25.6%
100.0%	472	472	0	0.0%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,584	35,582	-2	0.0%
1.2%	30,053	29,986	-67	-0.2%
2.5%	25,409	25,405	-4	0.0%
3.7%	22,796	22,799	3	0.0%
4.9%	22,602	22,600	-1	0.0%
6.2%	21,044	21,042	-2	0.0%
7.4%	19,810	20,161	351	1.8%
8.6%	17,226	17,226	0	0.0%
9.9%	15,096	15,049	-47	-0.3%
11.1%	15,051	14,876	-175	-1.2%
12.3%	14,373	14,371	-2	0.0%
13.6%	13,465	13,465	0	0.0%
14.8%	11,044	11,045	1	0.0%
16.0%	10,553	10,551	-1	0.0%
17.3%	10,507	10,507	0	0.0%
18.5%	9,962	9,962	0	0.0%
19.8%	9,587	9,595	9	0.1%
21.0%	9,403	9,401	-2	0.0%
22.2%	8,827	8,657	-170	-1.9%
23.5%	8,657	8,549	-108	-1.2%
24.7%	8,340	8,323	-17	-0.2%
25.9%	8,192	8,194	2	0.0%
27.2%	7,360	7,364	4	0.1%
28.4%	7,087	7,091	4	0.1%
29.6%	6,602	6,602	0	0.0%
30.9%	6,510	6,498	-12	-0.2%
32.1%	6,498	6,468	-30	-0.5%
33.3%	6,166	6,166	0	0.0%
34.6%	6,011	5,930	-81	-1.3%
35.8%	5,814	5,813	-1	0.0%
37.0%	5,011	5,085	74	1.5%
38.3%	4,302	5,035	732	17.0%
39.5%	4,121	4,892	771	18.7%
40.7%	4,111	4,119	8	0.2%
42.0%	3,980	3,938	-41	-1.0%
43.2%	3,835	3,785	-51	-1.3%
44.4%	3,498	3,726	227	6.5%
45.7%	3,193	3,193	0	0.0%
46.9%	2,661	2,991	331	12.4%
48.1%	2,405	2,933	529	22.0%
49.4%	2,111	2,745	634	30.0%
50.6%	2,061	2,663	602	29.2%
51.9%	2,053	2,111	58	2.8%
53.1%	1,950	2,053	103	5.3%
54.3%	1,848	1,921	73	4.0%
55.6%	1,685	1,847	162	9.6%
56.8%	1,685	1,685	0	0.0%
58.0%	1,673	1,685	12	0.7%
59.3%	1,635	1,673	38	2.3%
60.5%	1,635	1,635	0	0.0%
61.7%	1,635	1,635	0	0.0%
63.0%	1,635	1,635	0	0.0%
64.2%	1,635	1,635	0	0.0%
65.4%	1,635	1,635	0	0.0%
66.7%	1,635	1,635	0	0.0%
67.9%	1,635	1,635	0	0.0%
69.1%	1,634	1,635	1	0.0%
70.4%	1,633	1,634	1	0.1%
71.6%	1,502	1,634	131	8.7%
72.8%	1,461	1,605	143	9.8%
74.1%	1,451	1,596	145	10.0%
75.3%	1,443	1,500	58	4.0%
76.5%	1,425	1,494	70	4.9%
77.8%	1,425	1,425	0	0.0%
79.0%	1,425	1,425	0	0.0%
80.2%	1,425	1,425	0	0.0%
81.5%	1,359	1,425	66	4.8%
82.7%	1,346	1,425	78	5.8%
84.0%	1,341	1,399	58	4.4%
85.2%	1,298	1,317	19	1.5%
86.4%	1,291	1,252	-38	-3.0%
87.7%	1,196	1,206	10	0.8%
88.9%	1,184	1,149	-35	-3.0%
90.1%	879	1,140	261	29.7%
91.4%	793	1,061	269	33.9%
92.6%	751	812	60	8.1%
93.8%	748	807	59	7.9%
95.1%	748	748	0	0.0%
96.3%	748	748	0	0.0%
97.5%	748	748	0	0.0%
98.8%	748	745	-3	-0.4%
100.0%	369	369	0	0.0%

Table SW-28-b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	37,256	37,256	0	0.0%
1.2%	25,507	25,507	0	0.0%
2.5%	25,315	25,308	-7	0.0%
3.7%	19,024	19,024	0	0.0%
4.9%	18,304	18,304	0	0.0%
6.2%	18,048	18,048	0	0.0%
7.4%	17,892	17,889	-3	0.0%
8.6%	17,702	17,878	176	1.0%
9.9%	17,132	17,132	0	0.0%
11.1%	16,631	16,628	-3	0.0%
12.3%	16,491	16,492	0	0.0%
13.6%	15,870	15,870	0	0.0%
14.8%	15,301	15,298	-2	0.0%
16.0%	15,146	14,889	-257	-1.7%
17.3%	14,095	14,095	0	0.0%
18.5%	14,078	14,078	0	0.0%
19.8%	14,023	14,024	1	0.0%
21.0%	12,871	12,867	-4	0.0%
22.2%	12,866	12,335	-531	-4.1%
23.5%	11,966	11,968	2	0.0%
24.7%	11,481	11,550	69	0.6%
25.9%	11,063	11,064	0	0.0%
27.2%	10,685	10,685	0	0.0%
28.4%	10,573	10,575	2	0.0%
29.6%	8,629	8,618	-12	-0.1%
30.9%	8,524	8,524	0	0.0%
32.1%	8,214	8,214	0	0.0%
33.3%	7,213	7,215	3	0.0%
34.6%	7,171	7,171	0	0.0%
35.8%	7,078	7,080	1	0.0%
37.0%	6,946	6,947	0	0.0%
38.3%	6,912	6,912	0	0.0%
39.5%	6,738	6,866	128	1.9%
40.7%	6,694	6,676	-18	-0.3%
42.0%	6,663	6,663	0	0.0%
43.2%	6,012	6,010	-3	0.0%
44.4%	5,993	5,993	0	0.0%
45.7%	5,993	5,990	-3	0.0%
46.9%	5,856	5,854	-2	0.0%
48.1%	5,492	5,485	-8	-0.1%
49.4%	5,447	5,171	-277	-5.1%
50.6%	5,171	4,824	-347	-6.7%
51.9%	4,399	4,399	0	0.0%
53.1%	4,103	3,941	-162	-4.0%
54.3%	3,942	3,914	-28	-0.7%
55.6%	3,793	3,793	0	0.0%
56.8%	3,731	3,574	-157	-4.2%
58.0%	3,574	3,489	-85	-2.4%
59.3%	3,486	3,302	-184	-5.3%
60.5%	3,481	3,011	-470	-13.5%
61.7%	3,433	3,007	-426	-12.4%
63.0%	2,991	2,715	-276	-9.2%
64.2%	2,904	2,574	-330	-11.4%
65.4%	2,708	2,452	-256	-9.4%
66.7%	2,574	2,366	-208	-8.1%
67.9%	2,376	2,329	-47	-2.0%
69.1%	2,276	2,276	0	0.0%
70.4%	2,199	2,199	0	0.0%
71.6%	2,097	2,098	1	0.0%
72.8%	1,680	1,882	202	12.0%
74.1%	1,508	1,680	172	11.4%
75.3%	1,498	1,449	-49	-3.3%
76.5%	1,378	1,378	0	0.0%
77.8%	1,376	1,376	0	0.0%
79.0%	1,376	1,376	0	0.0%
80.2%	1,376	1,376	0	0.0%
81.5%	1,376	1,376	0	0.0%
82.7%	1,376	1,376	0	0.0%
84.0%	1,376	1,376	0	0.0%
85.2%	1,228	1,353	124	10.1%
86.4%	1,213	1,262	49	4.0%
87.7%	1,200	1,256	57	4.7%
88.9%	1,197	1,248	51	4.3%
90.1%	1,197	1,200	2	0.2%
91.4%	1,142	1,197	56	4.9%
92.6%	1,129	1,197	69	6.1%
93.8%	1,086	1,197	111	10.3%
95.1%	1,003	1,197	194	19.3%
96.3%	993	1,109	116	11.7%
97.5%	936	889	-47	-5.0%
98.8%	362	362	0	
100.0%	326	326	0	

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,866	20,866	0	0.0%
1.2%	19,961	19,961	0	0.0%
2.5%	18,733	18,733	0	0.0%
3.7%	16,494	16,494	0	0.0%
4.9%	14,088	14,088	0	0.0%
6.2%	12,782	12,780	-2	0.0%
7.4%	12,658	12,659	1	0.0%
8.6%	12,103	12,103	0	0.0%
9.9%	11,986	11,987	0	0.0%
11.1%	11,059	11,046	-13	-0.1%
12.3%	9,928	9,923	-5	0.0%
13.6%	9,266	9,666	400	4.3%
14.8%	9,137	9,262	125	1.4%
16.0%	8,890	8,895	5	0.1%
17.3%	8,756	8,756	0	0.0%
18.5%	8,317	8,316	-1	0.0%
19.8%	8,137	8,136	-1	0.0%
21.0%	7,634	7,634	0	0.0%
22.2%	7,587	7,588	1	0.0%
23.5%	7,420	7,423	3	0.0%
24.7%	7,409	7,409	0	0.0%
25.9%	6,656	6,621	-36	-0.5%
27.2%	6,617	6,508	-108	-1.6%
28.4%	6,328	6,326	-2	0.0%
29.6%	6,225	6,225	0	0.0%
30.9%	5,813	5,808	-5	-0.1%
32.1%	5,518	5,517	-1	0.0%
33.3%	5,486	5,488	2	0.0%
34.6%	5,301	5,299	-2	0.0%
35.8%	5,215	5,215	0	0.0%
37.0%	5,215	5,022	-193	-3.7%
38.3%	5,022	5,005	-17	-0.3%
39.5%	4,905	4,905	0	0.0%
40.7%	4,855	4,756	-99	-2.0%
42.0%	4,754	4,752	-2	0.0%
43.2%	4,554	4,554	0	0.0%
44.4%	4,409	4,410	1	0.0%
45.7%	4,250	4,249	0	0.0%
46.9%	3,877	3,877	0	0.0%
48.1%	3,800	3,841	40	1.1%
49.4%	3,738	3,800	63	1.7%
50.6%	3,714	3,740	26	0.7%
51.9%	3,670	3,714	44	1.2%
53.1%	3,601	3,672	71	2.0%
54.3%	3,405	3,601	196	5.8%
55.6%	3,396	3,405	8	0.2%
56.8%	3,245	3,395	150	4.6%
58.0%	3,106	3,235	129	4.1%
59.3%	3,079	3,079	0	0.0%
60.5%	3,051	3,055	5	0.2%
61.7%	2,990	2,991	1	0.0%
63.0%	2,739	2,542	-197	-7.2%
64.2%	2,544	2,344	-200	-7.9%
65.4%	2,167	2,167	0	0.0%
66.7%	2,105	2,105	0	0.0%
67.9%	1,813	2,032	218	12.0%
69.1%	1,757	1,813	57	3.2%
70.4%	1,692	1,712	20	1.2%
71.6%	1,680	1,692	12	0.7%
72.8%	1,679	1,680	1	0.0%
74.1%	1,669	1,679	10	0.6%
75.3%	1,663	1,675	12	0.7%
76.5%	1,617	1,671	54	3.3%
77.8%	1,419	1,663	245	17.3%
79.0%	1,237	1,617	380	30.8%
80.2%	1,231	1,439	208	16.9%
81.5%	1,169	1,385	216	18.5%
82.7%	840	840	0	0.0%
84.0%	777	745	-32	-4.1%
85.2%	743	741	-2	-0.2%
86.4%	742	741	-1	-0.1%
87.7%	742	741	0	-0.1%
88.9%	741	741	0	0.0%
90.1%	741	741	-1	-0.1%
91.4%	741	741	0	-0.1%
92.6%	740	740	0	0.0%
93.8%	740	740	0	0.0%
95.1%	740	740	0	0.0%
96.3%	740	740	0	0.0%
97.5%	737	737	0	0.0%
98.8%	357	474	117	32.8%
100.0%	357	357	0	0.0%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,128	19,128	0	0.0%
1.2%	16,801	16,802	1	0.0%
2.5%	11,770	11,767	-3	0.0%
3.7%	10,237	10,239	1	0.0%
4.9%	9,215	9,215	0	0.0%
6.2%	8,092	8,093	1	0.0%
7.4%	7,809	7,810	1	0.0%
8.6%	7,104	7,104	0	0.0%
9.9%	6,634	6,634	0	0.0%
11.1%	6,608	6,608	0	0.0%
12.3%	6,383	6,382	0	0.0%
13.6%	6,256	6,256	0	0.0%
14.8%	6,202	6,202	0	0.0%
16.0%	6,054	6,054	0	0.0%
17.3%	5,605	5,600	-4	-0.1%
18.5%	5,324	5,324	0	0.0%
19.8%	5,082	5,079	-3	-0.1%
21.0%	4,637	4,638	0	0.0%
22.2%	4,594	4,596	2	0.0%
23.5%	4,462	4,462	0	0.0%
24.7%	4,308	4,308	0	0.0%
25.9%	4,308	4,297	-10	-0.2%
27.2%	3,896	3,896	0	0.0%
28.4%	3,650	3,654	3	0.1%
29.6%	3,470	3,468	-3	-0.1%
30.9%	3,012	3,011	0	0.0%
32.1%	2,943	2,943	0	0.0%
33.3%	2,910	2,910	0	0.0%
34.6%	2,904	2,904	0	0.0%
35.8%	2,733	2,886	153	5.6%
37.0%	2,479	2,731	252	10.2%
38.3%	2,398	2,398	0	0.0%
39.5%	2,376	2,355	-21	-0.9%
40.7%	2,355	2,311	-43	-1.8%
42.0%	2,312	2,248	-64	-2.7%
43.2%	2,245	1,885	-360	-16.0%
44.4%	2,012	1,685	-327	-16.3%
45.7%	1,903	1,684	-219	-11.5%
46.9%	1,685	1,670	-16	-0.9%
48.1%	1,684	1,667	-17	-1.0%
49.4%	1,671	1,657	-13	-0.8%
50.6%	1,670	1,656	-14	-0.8%
51.9%	1,667	1,655	-12	-0.7%
53.1%	1,656	1,655	-2	-0.1%
54.3%	1,656	1,643	-13	-0.8%
55.6%	1,655	1,615	-40	-2.4%
56.8%	1,653	1,609	-44	-2.6%
58.0%	1,643	1,603	-39	-2.4%
59.3%	1,609	1,580	-30	-1.8%
60.5%	1,547	1,527	-20	-1.3%
61.7%	1,527	1,445	-82	-5.4%
63.0%	1,425	1,383	-42	-3.0%
64.2%	1,310	1,360	49	3.8%
65.4%	1,235	1,330	96	7.7%
66.7%	1,229	1,310	81	6.6%
67.9%	1,219	1,310	91	7.5%
69.1%	1,152	1,279	127	11.0%
70.4%	1,110	1,233	123	11.1%
71.6%	1,073	1,229	156	14.5%
72.8%	1,073	1,111	38	3.5%
74.1%	1,045	1,073	28	2.7%
75.3%	1,011	1,061	50	4.9%
76.5%	953	1,045	92	9.7%
77.8%	942	1,011	70	7.4%
79.0%	940	973	32	3.4%
80.2%	896	947	51	5.7%
81.5%	873	947	74	8.4%
82.7%	821	947	126	15.3%
84.0%	789	942	153	19.3%
85.2%	755	940	186	24.6%
86.4%	747	936	189	25.3%
87.7%	747	935	188	25.2%
88.9%	747	931	184	24.6%
90.1%	747	923	177	23.6%
91.4%	747	907	161	21.5%
92.6%	746	896	150	20.1%
93.8%	736	882	146	19.8%
95.1%	734	801	66	9.0%
96.3%	731	788	57	7.8%
97.5%	723	755	31	4.3%
98.8%	721	747	26	3.6%
100.0%	315	747	432	137.2%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,473	8,474	1	0.0%
1.2%	7,826	7,826	0	0.0%
2.5%	5,796	5,796	0	0.0%
3.7%	5,371	5,371	0	0.0%
4.9%	5,248	5,248	0	0.0%
6.2%	4,002	4,002	0	0.0%
7.4%	3,851	3,851	0	0.0%
8.6%	3,674	3,674	0	0.0%
9.9%	3,668	3,668	0	0.0%
11.1%	3,036	3,036	0	0.0%
12.3%	2,779	2,985	206	7.4%
13.6%	2,699	2,699	0	0.0%
14.8%	2,695	2,695	0	0.0%
16.0%	2,690	2,690	0	0.0%
17.3%	2,336	2,370	34	1.4%
18.5%	2,293	2,244	-50	-2.2%
19.8%	2,243	2,091	-152	-6.8%
21.0%	2,094	2,003	-91	-4.4%
22.2%	2,008	1,940	-68	-3.4%
23.5%	1,943	1,867	-76	-3.9%
24.7%	1,858	1,866	8	0.4%
25.9%	1,819	1,850	32	1.7%
27.2%	1,817	1,779	-38	-2.1%
28.4%	1,808	1,748	-60	-3.3%
29.6%	1,734	1,734	0	0.0%
30.9%	1,687	1,687	0	0.0%
32.1%	1,687	1,687	0	0.0%
33.3%	1,687	1,687	0	0.0%
34.6%	1,687	1,687	0	0.0%
35.8%	1,687	1,687	0	0.0%
37.0%	1,687	1,687	0	0.0%
38.3%	1,687	1,687	0	0.0%
39.5%	1,685	1,685	0	0.0%
40.7%	1,682	1,682	0	0.0%
42.0%	1,676	1,676	0	0.0%
43.2%	1,670	1,670	0	0.0%
44.4%	1,668	1,668	0	0.0%
45.7%	1,658	1,662	4	0.2%
46.9%	1,653	1,658	5	0.3%
48.1%	1,645	1,653	8	0.5%
49.4%	1,612	1,645	33	2.0%
50.6%	1,555	1,612	58	3.7%
51.9%	1,502	1,555	53	3.5%
53.1%	1,431	1,502	70	4.9%
54.3%	1,342	1,385	43	3.2%
55.6%	1,237	1,342	105	8.5%
56.8%	1,181	1,340	159	13.4%
58.0%	1,170	1,279	108	9.3%
59.3%	1,152	1,215	62	5.4%
60.5%	1,131	1,188	57	5.1%
61.7%	1,118	1,188	70	6.2%
63.0%	1,112	1,187	75	6.8%
64.2%	1,109	1,186	77	7.0%
65.4%	1,096	1,185	89	8.1%
66.7%	1,089	1,177	88	8.0%
67.9%	1,085	1,173	88	8.1%
69.1%	1,059	1,171	113	10.6%
70.4%	1,039	1,171	132	12.7%
71.6%	1,011	1,161	151	14.9%
72.8%	1,002	1,153	151	15.1%
74.1%	998	1,152	154	15.5%
75.3%	991	1,141	150	15.2%
76.5%	945	1,135	190	20.1%
77.8%	941	1,134	193	20.5%
79.0%	897	1,129	232	25.9%
80.2%	886	1,129	243	27.4%
81.5%	848	1,123	275	32.5%
82.7%	829	1,117	288	34.7%
84.0%	765	1,086	321	42.0%
85.2%	764	1,064	300	39.3%
86.4%	748	1,034	285	38.1%
87.7%	748	957	209	27.9%
88.9%	748	911	163	21.7%
90.1%	748	909	161	21.5%
91.4%	748	882	134	17.9%
92.6%	748	838	90	12.0%
93.8%	748	784	36	4.8%
95.1%	742	748	6	0.8%
96.3%	742	748	6	0.8%
97.5%	741	747	6	0.8%
98.8%	738	738	-1	-0.1%
100.0%	266	450	184	69.0%

Table SW-28-b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,270	3,575	-695	-16.3%
1.2%	4,087	3,182	-904	-22.1%
2.5%	3,837	2,854	-983	-25.6%
3.7%	3,704	2,729	-975	-26.3%
4.9%	3,623	2,652	-970	-26.8%
6.2%	3,095	2,638	-458	-14.8%
7.4%	2,843	2,580	-263	-9.2%
8.6%	2,785	2,563	-222	-8.0%
9.9%	2,729	2,555	-174	-6.4%
11.1%	2,544	2,544	0	0.0%
12.3%	2,352	2,493	141	6.0%
13.6%	2,280	2,352	73	3.2%
14.8%	2,247	2,297	50	2.2%
16.0%	2,153	2,153	0	0.0%
17.3%	2,151	2,148	-3	-0.1%
18.5%	2,083	2,127	44	2.1%
19.8%	2,042	2,123	80	3.9%
21.0%	2,019	2,084	65	3.2%
22.2%	2,000	2,019	19	0.9%
23.5%	1,956	2,000	44	2.2%
24.7%	1,920	1,952	33	1.7%
25.9%	1,919	1,947	27	1.4%
27.2%	1,918	1,931	13	0.7%
28.4%	1,913	1,921	8	0.4%
29.6%	1,902	1,861	-41	-2.1%
30.9%	1,861	1,842	-19	-1.0%
32.1%	1,851	1,775	-76	-4.1%
33.3%	1,766	1,725	-41	-2.3%
34.6%	1,725	1,695	-30	-1.7%
35.8%	1,707	1,686	-21	-1.2%
37.0%	1,686	1,686	-1	0.0%
38.3%	1,686	1,685	-1	0.0%
39.5%	1,685	1,685	0	0.0%
40.7%	1,685	1,685	0	0.0%
42.0%	1,685	1,685	0	0.0%
43.2%	1,685	1,685	0	0.0%
44.4%	1,685	1,685	0	0.0%
45.7%	1,685	1,685	0	0.0%
46.9%	1,685	1,681	-4	-0.2%
48.1%	1,683	1,676	-7	-0.4%
49.4%	1,681	1,676	-5	-0.3%
50.6%	1,676	1,673	-3	-0.2%
51.9%	1,676	1,667	-9	-0.5%
53.1%	1,675	1,665	-10	-0.6%
54.3%	1,667	1,642	-25	-1.5%
55.6%	1,665	1,534	-132	-7.9%
56.8%	1,642	1,512	-130	-7.9%
58.0%	1,590	1,509	-81	-5.1%
59.3%	1,517	1,507	-10	-0.6%
60.5%	1,512	1,504	-8	-0.5%
61.7%	1,496	1,503	6	0.4%
63.0%	1,462	1,492	30	2.0%
64.2%	1,451	1,478	28	1.9%
65.4%	1,362	1,472	110	8.1%
66.7%	1,339	1,467	127	9.5%
67.9%	1,299	1,463	165	12.7%
69.1%	1,294	1,461	168	13.0%
70.4%	1,169	1,461	292	25.0%
71.6%	1,152	1,461	310	26.9%
72.8%	1,150	1,459	310	26.9%
74.1%	1,116	1,453	337	30.2%
75.3%	1,104	1,443	339	30.7%
76.5%	1,098	1,433	335	30.5%
77.8%	1,081	1,422	340	31.5%
79.0%	1,074	1,377	303	28.2%
80.2%	1,069	1,339	270	25.3%
81.5%	1,008	1,322	314	31.1%
82.7%	998	1,289	291	29.1%
84.0%	994	1,277	283	28.5%
85.2%	953	1,234	281	29.5%
86.4%	895	1,187	292	32.6%
87.7%	895	1,168	273	30.6%
88.9%	850	1,142	292	34.4%
90.1%	842	1,058	215	25.6%
91.4%	791	1,028	238	30.1%
92.6%	784	900	116	14.8%
93.8%	769	839	70	9.1%
95.1%	746	836	89	12.0%
96.3%	726	747	21	2.9%
97.5%	567	592	25	4.4%
98.8%	463	510	47	10.2%
100.0%	323	390	67	20.7%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,948	4,940	-8	-0.2%
1.2%	4,947	4,939	-8	-0.2%
2.5%	4,947	4,939	-8	-0.2%
3.7%	4,946	4,939	-8	-0.2%
4.9%	4,943	4,937	-6	-0.1%
6.2%	4,943	4,937	-6	-0.1%
7.4%	4,942	4,937	-5	-0.1%
8.6%	4,942	4,936	-6	-0.1%
9.9%	4,942	4,934	-8	-0.2%
11.1%	4,941	4,929	-11	-0.2%
12.3%	4,940	4,726	-215	-4.3%
13.6%	4,939	4,633	-306	-6.2%
14.8%	4,938	4,628	-310	-6.3%
16.0%	4,937	4,334	-603	-12.2%
17.3%	4,937	4,307	-630	-12.8%
18.5%	4,937	4,304	-633	-12.8%
19.8%	4,937	4,228	-709	-14.4%
21.0%	4,937	4,217	-720	-14.6%
22.2%	4,937	4,064	-872	-17.7%
23.5%	4,935	3,958	-977	-19.8%
24.7%	4,933	3,898	-1,035	-21.0%
25.9%	4,932	3,785	-1,148	-23.3%
27.2%	4,927	3,664	-1,263	-25.6%
28.4%	4,863	3,629	-1,233	-25.4%
29.6%	4,751	3,526	-1,225	-25.8%
30.9%	4,620	3,491	-1,129	-24.4%
32.1%	4,530	3,344	-1,186	-26.2%
33.3%	4,480	3,303	-1,176	-26.3%
34.6%	4,369	3,248	-1,121	-25.7%
35.8%	4,286	3,087	-1,199	-28.0%
37.0%	4,167	2,910	-1,257	-30.2%
38.3%	4,122	2,908	-1,215	-29.5%
39.5%	4,109	2,901	-1,208	-29.4%
40.7%	4,032	2,779	-1,253	-31.1%
42.0%	3,990	2,776	-1,214	-30.4%
43.2%	3,860	2,745	-1,116	-28.9%
44.4%	3,659	2,685	-974	-26.6%
45.7%	3,649	2,593	-1,056	-28.9%
46.9%	3,582	2,549	-1,033	-28.8%
48.1%	3,493	2,502	-991	-28.4%
49.4%	3,364	2,460	-903	-26.9%
50.6%	3,339	2,418	-921	-27.6%
51.9%	3,304	2,402	-903	-27.3%
53.1%	3,271	2,399	-871	-26.6%
54.3%	3,108	2,370	-739	-23.8%
55.6%	3,085	2,369	-716	-23.2%
56.8%	3,061	2,345	-715	-23.4%
58.0%	3,026	2,344	-682	-22.5%
59.3%	2,821	2,337	-483	-17.1%
60.5%	2,801	2,335	-466	-16.7%
61.7%	2,747	2,332	-415	-15.1%
63.0%	2,734	2,324	-410	-15.0%
64.2%	2,686	2,312	-373	-13.9%
65.4%	2,568	2,306	-262	-10.2%
66.7%	2,547	2,302	-245	-9.6%
67.9%	2,512	2,299	-213	-8.5%
69.1%	2,497	2,290	-207	-8.3%
70.4%	2,468	2,280	-188	-7.6%
71.6%	2,352	2,279	-74	-3.1%
72.8%	2,314	2,274	-40	-1.7%
74.1%	2,307	2,269	-39	-1.7%
75.3%	2,296	1,932	-364	-15.8%
76.5%	1,772	1,932	160	9.0%
77.8%	1,763	1,932	169	9.6%
79.0%	1,754	1,932	178	10.2%
80.2%	1,753	1,931	178	10.2%
81.5%	1,713	1,927	214	12.5%
82.7%	1,687	1,770	83	4.9%
84.0%	1,686	1,767	81	4.8%
85.2%	1,685	1,702	17	1.0%
86.4%	1,681	1,598	-83	-4.9%
87.7%	1,677	1,541	-137	-8.2%
88.9%	1,654	1,537	-117	-7.1%
90.1%	1,451	1,433	-17	-1.2%
91.4%	1,363	1,356	-7	-0.5%
92.6%	1,157	1,287	129	11.2%
93.8%	1,064	1,186	122	11.5%
95.1%	1,041	1,115	74	7.1%
96.3%	951	1,104	153	16.1%
97.5%	834	1,084	250	30.0%
98.8%	648	676	28	4.4%
100.0%	471	351	-120	-25.5%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	2,878	-421	-12.8%
1.2%	2,819	2,714	-104	-3.7%
2.5%	2,720	2,541	-179	-6.6%
3.7%	2,692	2,454	-238	-8.9%
4.9%	2,686	2,292	-394	-14.7%
6.2%	2,513	2,271	-243	-9.7%
7.4%	2,411	2,252	-159	-6.6%
8.6%	2,231	2,234	3	0.1%
9.9%	2,225	1,932	-293	-13.1%
11.1%	1,930	1,931	1	0.1%
12.3%	1,930	1,930	1	0.0%
13.6%	1,852	1,930	78	4.2%
14.8%	1,752	1,930	177	10.1%
16.0%	1,721	1,928	207	12.0%
17.3%	1,707	1,926	220	12.9%
18.5%	1,706	1,926	220	12.9%
19.8%	1,687	1,920	233	13.8%
21.0%	1,682	1,905	223	13.3%
22.2%	1,680	1,862	182	10.9%
23.5%	1,679	1,788	108	6.5%
24.7%	1,677	1,751	74	4.4%
25.9%	1,675	1,743	68	4.0%
27.2%	1,675	1,743	68	4.0%
28.4%	1,675	1,725	50	3.0%
29.6%	1,672	1,722	50	3.0%
30.9%	1,670	1,700	31	1.8%
32.1%	1,667	1,678	12	0.7%
33.3%	1,666	1,678	12	0.7%
34.6%	1,665	1,671	6	0.3%
35.8%	1,664	1,670	6	0.3%
37.0%	1,661	1,663	2	0.1%
38.3%	1,660	1,661	1	0.1%
39.5%	1,659	1,660	1	0.1%
40.7%	1,659	1,659	0	0.0%
42.0%	1,659	1,659	0	0.0%
43.2%	1,659	1,659	0	0.0%
44.4%	1,659	1,659	0	0.0%
45.7%	1,659	1,626	-33	-2.0%
46.9%	1,659	1,595	-64	-3.8%
48.1%	1,659	1,584	-75	-4.5%
49.4%	1,659	1,537	-122	-7.4%
50.6%	1,659	1,534	-124	-7.5%
51.9%	1,623	1,533	-90	-5.5%
53.1%	1,616	1,518	-98	-6.0%
54.3%	1,484	1,504	20	1.4%
55.6%	1,451	1,499	49	3.4%
56.8%	1,426	1,476	50	3.5%
58.0%	1,372	1,467	95	6.9%
59.3%	1,369	1,453	84	6.2%
60.5%	1,310	1,451	141	10.8%
61.7%	1,212	1,436	224	18.4%
63.0%	1,177	1,364	187	15.9%
64.2%	1,155	1,310	154	13.4%
65.4%	1,141	1,283	142	12.5%
66.7%	1,137	1,257	120	10.6%
67.9%	1,118	1,250	132	11.8%
69.1%	1,101	1,247	146	13.3%
70.4%	1,094	1,245	151	13.8%
71.6%	1,071	1,198	126	11.8%
72.8%	1,053	1,179	126	11.9%
74.1%	1,016	1,119	103	10.1%
75.3%	1,001	1,091	90	9.0%
76.5%	982	1,086	104	10.6%
77.8%	975	1,071	96	9.8%
79.0%	966	1,070	104	10.8%
80.2%	880	1,013	133	15.2%
81.5%	818	999	181	22.1%
82.7%	790	966	176	22.2%
84.0%	746	935	189	25.3%
85.2%	744	930	186	25.0%
86.4%	743	917	174	23.4%
87.7%	742	883	142	19.1%
88.9%	740	829	89	12.1%
90.1%	737	822	84	11.4%
91.4%	723	794	71	9.8%
92.6%	714	769	55	7.8%
93.8%	709	738	29	4.2%
95.1%	709	736	28	3.9%
96.3%	649	735	86	13.2%
97.5%	470	686	216	45.9%
98.8%	367	582	215	58.6%
100.0%	306	465	160	52.2%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,935	4,874	-62	-1.3%
1.2%	4,935	4,726	-209	-4.2%
2.5%	4,935	4,670	-265	-5.4%
3.7%	4,926	4,650	-276	-5.6%
4.9%	4,926	4,559	-366	-7.4%
6.2%	4,733	3,834	-899	-19.0%
7.4%	3,962	3,689	-273	-6.9%
8.6%	3,425	3,318	-107	-3.1%
9.9%	3,380	3,239	-141	-4.2%
11.1%	3,206	2,932	-273	-8.5%
12.3%	3,180	2,885	-294	-9.3%
13.6%	2,918	2,835	-84	-2.9%
14.8%	2,901	2,793	-108	-3.7%
16.0%	2,889	2,747	-142	-4.9%
17.3%	2,756	2,714	-42	-1.5%
18.5%	2,662	2,637	-25	-0.9%
19.8%	2,606	2,611	5	0.2%
21.0%	2,600	2,587	-13	-0.5%
22.2%	2,507	2,523	16	0.6%
23.5%	2,487	2,458	-29	-1.2%
24.7%	2,398	2,311	-87	-3.6%
25.9%	2,367	2,199	-168	-7.1%
27.2%	2,213	2,194	-19	-0.9%
28.4%	2,103	1,889	-214	-10.2%
29.6%	1,888	1,826	-62	-3.3%
30.9%	1,875	1,796	-80	-4.2%
32.1%	1,745	1,742	-3	-0.2%
33.3%	1,718	1,687	-31	-1.8%
34.6%	1,668	1,621	-47	-2.8%
35.8%	1,622	1,585	-37	-2.3%
37.0%	1,518	1,584	66	4.4%
38.3%	1,469	1,584	115	7.9%
39.5%	1,469	1,583	114	7.8%
40.7%	1,469	1,574	106	7.2%
42.0%	1,469	1,558	89	6.1%
43.2%	1,468	1,538	69	4.7%
44.4%	1,468	1,469	0	0.0%
45.7%	1,467	1,469	2	0.1%
46.9%	1,466	1,468	2	0.2%
48.1%	1,463	1,468	5	0.4%
49.4%	1,449	1,466	17	1.2%
50.6%	1,449	1,463	14	1.0%
51.9%	1,447	1,450	3	0.2%
53.1%	1,418	1,439	21	1.5%
54.3%	1,411	1,434	22	1.6%
55.6%	1,308	1,414	106	8.1%
56.8%	1,231	1,399	168	13.6%
58.0%	1,175	1,351	176	15.0%
59.3%	1,169	1,346	177	15.2%
60.5%	1,150	1,341	191	16.6%
61.7%	1,142	1,340	198	17.3%
63.0%	1,124	1,325	201	17.9%
64.2%	1,116	1,254	138	12.4%
65.4%	1,056	1,235	179	16.9%
66.7%	1,009	1,192	184	18.2%
67.9%	999	1,174	175	17.5%
69.1%	960	1,173	213	22.1%
70.4%	957	1,149	192	20.0%
71.6%	945	1,134	188	19.9%
72.8%	881	1,129	248	28.2%
74.1%	827	1,095	268	32.4%
75.3%	769	1,080	312	40.5%
76.5%	747	1,075	328	43.9%
77.8%	747	1,062	314	42.1%
79.0%	747	999	252	33.7%
80.2%	747	993	246	32.9%
81.5%	747	982	235	31.5%
82.7%	747	978	232	31.0%
84.0%	747	958	212	28.4%
85.2%	747	955	208	27.8%
86.4%	747	898	151	20.3%
87.7%	747	873	127	17.0%
88.9%	745	813	68	9.1%
90.1%	742	776	35	4.7%
91.4%	740	747	7	1.0%
92.6%	738	746	8	1.1%
93.8%	735	745	10	1.4%
95.1%	648	745	97	15.0%
96.3%	469	676	207	44.2%
97.5%	415	637	221	53.3%
98.8%	406	504	98	24.1%
100.0%	336	352	17	5.0%

Figure SW-29-b
American River at H Street, Monthly Flow
Probability of Exceedance

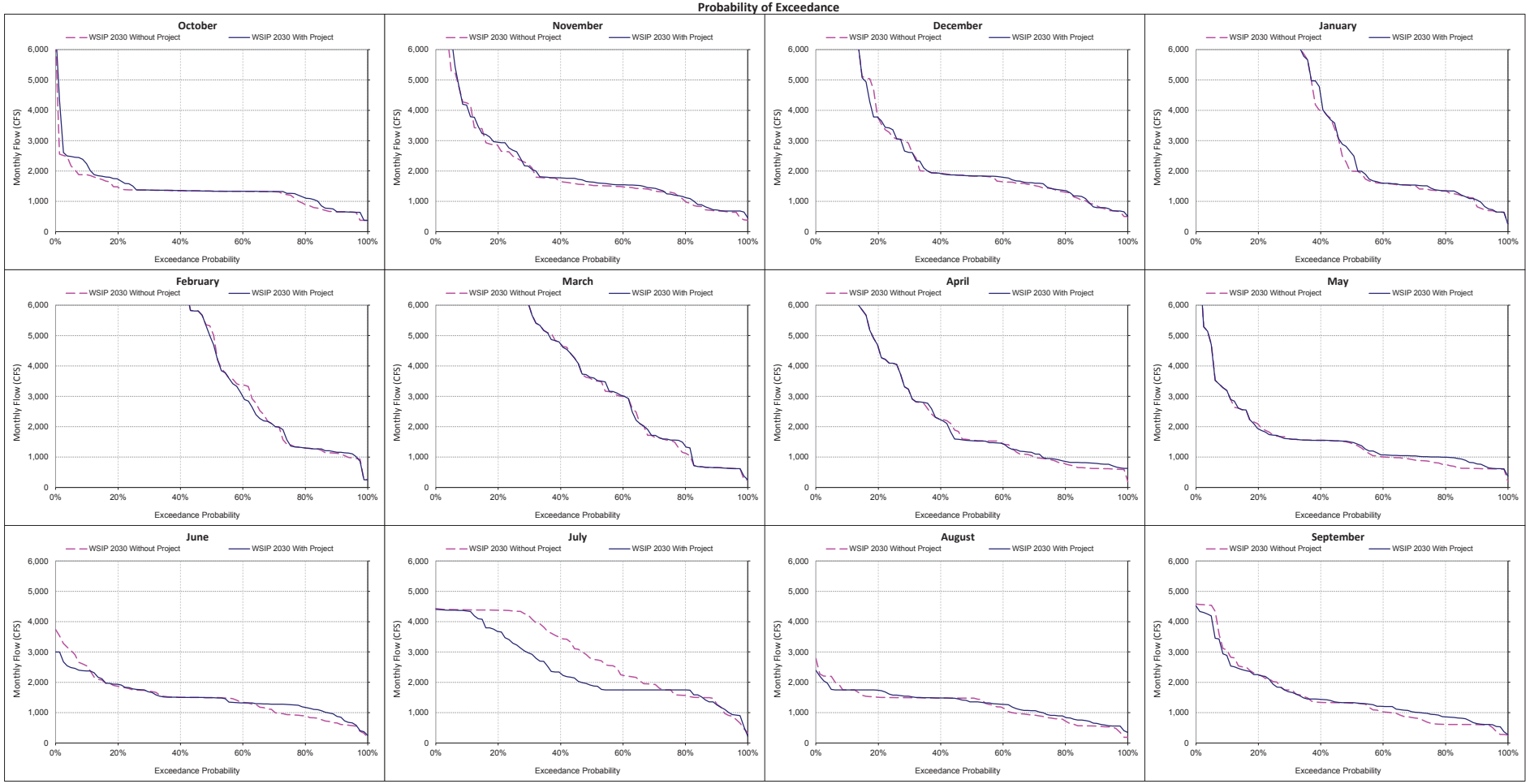


Table SW-29-b

American River at H Street, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,213	6,668	455	7.3%
1.2%	2,556	4,300	1,745	68.3%
2.5%	2,511	2,611	100	4.0%
3.7%	2,474	2,492	19	0.8%
4.9%	2,169	2,477	308	14.2%
6.2%	2,042	2,452	410	20.1%
7.4%	1,879	2,448	569	30.3%
8.6%	1,879	2,381	502	26.7%
9.9%	1,879	2,242	363	19.3%
11.1%	1,849	2,015	166	9.0%
12.3%	1,799	1,879	80	4.5%
13.6%	1,756	1,849	92	5.2%
14.8%	1,721	1,829	108	6.3%
16.0%	1,666	1,805	139	8.4%
17.3%	1,645	1,790	144	8.8%
18.5%	1,480	1,755	275	18.5%
19.8%	1,479	1,746	267	18.0%
21.0%	1,399	1,662	263	18.8%
22.2%	1,383	1,585	202	14.6%
23.5%	1,378	1,578	200	14.5%
24.7%	1,377	1,503	125	9.1%
25.9%	1,376	1,378	2	0.2%
27.2%	1,375	1,376	1	0.1%
28.4%	1,372	1,373	1	0.1%
29.6%	1,370	1,370	0	0.0%
30.9%	1,370	1,370	0	0.0%
32.1%	1,364	1,368	4	0.3%
33.3%	1,363	1,367	4	0.3%
34.6%	1,361	1,366	5	0.4%
35.8%	1,360	1,366	6	0.4%
37.0%	1,352	1,363	11	0.8%
38.3%	1,348	1,361	14	1.0%
39.5%	1,347	1,360	12	0.9%
40.7%	1,347	1,356	9	0.7%
42.0%	1,346	1,351	6	0.4%
43.2%	1,345	1,348	4	0.3%
44.4%	1,344	1,347	3	0.2%
45.7%	1,343	1,346	4	0.3%
46.9%	1,340	1,341	1	0.1%
48.1%	1,338	1,338	0	0.0%
49.4%	1,338	1,336	-1	-0.1%
50.6%	1,337	1,336	-2	-0.1%
51.9%	1,336	1,335	-1	0.0%
53.1%	1,335	1,334	-1	0.0%
54.3%	1,333	1,333	0	0.0%
55.6%	1,333	1,333	1	0.1%
56.8%	1,332	1,332	0	0.0%
58.0%	1,332	1,332	0	0.0%
59.3%	1,331	1,332	1	0.1%
60.5%	1,329	1,331	1	0.1%
61.7%	1,329	1,329	0	0.0%
63.0%	1,329	1,328	-1	-0.1%
64.2%	1,329	1,327	-1	-0.1%
65.4%	1,327	1,326	-1	-0.1%
66.7%	1,327	1,326	-1	-0.1%
67.9%	1,323	1,326	3	0.2%
69.1%	1,321	1,325	4	0.3%
70.4%	1,315	1,325	10	0.8%
71.6%	1,310	1,322	12	0.9%
72.8%	1,242	1,321	79	6.4%
74.1%	1,220	1,266	45	3.7%
75.3%	1,201	1,264	63	5.3%
76.5%	1,103	1,254	151	13.6%
77.8%	1,002	1,199	197	19.7%
79.0%	949	1,154	205	21.6%
80.2%	875	1,099	224	25.5%
81.5%	850	1,091	240	28.3%
82.7%	796	1,054	259	32.5%
84.0%	776	1,002	227	29.2%
85.2%	738	850	112	15.2%
86.4%	700	772	73	10.4%
87.7%	667	769	102	15.4%
88.9%	663	752	89	13.4%
90.1%	653	659	7	1.0%
91.4%	652	653	1	0.1%
92.6%	650	652	2	0.3%
93.8%	647	651	4	0.5%
95.1%	642	642	0	0.1%
96.3%	637	638	1	0.2%
97.5%	375	634	259	69.1%
98.8%	375	375	0	0.0%
100.0%	375	375	0	0.0%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,330	21,669	1,339	6.6%
1.2%	15,359	14,582	-777	-5.1%
2.5%	8,049	8,783	734	9.1%
3.7%	6,457	7,439	982	15.2%
4.9%	5,287	6,420	1,133	21.4%
6.2%	5,244	5,427	183	3.5%
7.4%	4,772	4,772	1	0.0%
8.6%	4,276	4,196	-79	-1.9%
9.9%	4,246	4,177	-69	-1.6%
11.1%	4,181	3,786	-396	-9.5%
12.3%	3,425	3,773	348	10.2%
13.6%	3,412	3,465	53	1.5%
14.8%	3,395	3,233	-162	-4.8%
16.0%	2,932	3,208	277	9.4%
17.3%	2,891	3,118	227	7.8%
18.5%	2,859	2,968	109	3.8%
19.8%	2,856	2,951	95	3.3%
21.0%	2,648	2,936	288	10.9%
22.2%	2,642	2,934	292	11.1%
23.5%	2,633	2,758	126	4.8%
24.7%	2,490	2,686	196	7.9%
25.9%	2,427	2,630	203	8.4%
27.2%	2,350	2,411	62	2.6%
28.4%	2,295	2,171	-124	-5.4%
29.6%	2,231	2,165	-66	-3.0%
30.9%	2,099	2,053	-46	-2.2%
32.1%	1,797	2,000	203	11.3%
33.3%	1,787	1,811	24	1.3%
34.6%	1,775	1,802	27	1.5%
35.8%	1,773	1,797	24	1.3%
37.0%	1,773	1,773	0	0.0%
38.3%	1,766	1,773	7	0.4%
39.5%	1,674	1,773	99	5.9%
40.7%	1,638	1,767	129	7.9%
42.0%	1,624	1,762	138	8.5%
43.2%	1,605	1,760	155	9.7%
44.4%	1,589	1,757	169	10.6%
45.7%	1,563	1,726	163	10.4%
46.9%	1,556	1,707	151	9.7%
48.1%	1,547	1,658	112	7.2%
49.4%	1,540	1,640	99	6.4%
50.6%	1,519	1,629	110	7.2%
51.9%	1,519	1,605	87	5.7%
53.1%	1,517	1,593	76	5.0%
54.3%	1,510	1,589	79	5.2%
55.6%	1,506	1,568	62	4.1%
56.8%	1,497	1,555	58	3.8%
58.0%	1,492	1,546	54	3.6%
59.3%	1,487	1,544	57	3.8%
60.5%	1,469	1,542	72	4.9%
61.7%	1,464	1,538	74	5.1%
63.0%	1,453	1,535	82	5.6%
64.2%	1,423	1,526	103	7.2%
65.4%	1,423	1,517	94	6.6%
66.7%	1,416	1,496	80	5.6%
67.9%	1,403	1,448	45	3.2%
69.1%	1,375	1,446	72	5.2%
70.4%	1,334	1,424	91	6.8%
71.6%	1,319	1,385	66	5.0%
72.8%	1,316	1,348	32	2.4%
74.1%	1,307	1,249	-58	-4.5%
75.3%	1,298	1,239	-60	-4.6%
76.5%	1,265	1,206	-59	-4.7%
77.8%	1,169	1,190	21	1.8%
79.0%	1,087	1,157	70	6.5%
80.2%	973	1,121	148	15.2%
81.5%	939	1,090	151	16.1%
82.7%	859	1,005	147	17.1%
84.0%	833	893	60	7.2%
85.2%	830	888	59	7.1%
86.4%	720	819	99	13.7%
87.7%	711	776	65	9.2%
88.9%	694	720	26	3.7%
90.1%	680	711	32	4.7%
91.4%	679	691	12	1.8%
92.6%	667	682	15	2.3%
93.8%	648	681	33	5.1%
95.1%	643	680	37	5.7%
96.3%	639	679	40	6.3%
97.5%	447	679	232	51.9%
98.8%	391	649	257	65.7%
100.0%	375	447	72	19.2%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,204	21,648	444	2.1%
1.2%	20,416	20,575	159	0.8%
2.5%	20,308	20,406	98	0.5%
3.7%	19,439	19,658	219	1.1%
4.9%	19,154	19,160	7	0.0%
6.2%	17,470	17,464	-6	0.0%
7.4%	17,421	17,410	-11	-0.1%
8.6%	13,391	13,379	-12	-0.1%
9.9%	13,093	12,638	-454	-3.5%
11.1%	9,187	9,202	15	0.2%
12.3%	8,331	7,326	-1,005	-12.1%
13.6%	6,159	6,156	-3	0.0%
14.8%	5,114	5,072	-42	-0.8%
16.0%	5,063	4,937	-126	-2.5%
17.3%	5,039	4,297	-742	-14.7%
18.5%	4,673	3,783	-890	-19.0%
19.8%	3,791	3,779	-11	-0.3%
21.0%	3,547	3,651	104	2.9%
22.2%	3,360	3,436	76	2.3%
23.5%	3,276	3,419	143	4.4%
24.7%	3,119	3,358	239	7.7%
25.9%	3,052	3,064	12	0.4%
27.2%	3,047	3,047	0	0.0%
28.4%	2,990	2,658	-332	-11.1%
29.6%	2,924	2,615	-309	-10.6%
30.9%	2,603	2,606	2	0.1%
32.1%	2,428	2,349	-80	-3.3%
33.3%	2,007	2,325	319	15.9%
34.6%	2,000	2,106	106	5.3%
35.8%	2,000	2,000	0	0.0%
37.0%	1,938	1,938	0	0.0%
38.3%	1,938	1,934	-4	-0.2%
39.5%	1,935	1,931	-4	-0.2%
40.7%	1,917	1,898	-19	-1.0%
42.0%	1,898	1,877	-22	-1.1%
43.2%	1,877	1,872	-5	-0.3%
44.4%	1,869	1,870	1	0.1%
45.7%	1,867	1,859	-7	-0.4%
46.9%	1,859	1,859	0	0.0%
48.1%	1,834	1,846	12	0.6%
49.4%	1,832	1,841	9	0.5%
50.6%	1,832	1,838	5	0.3%
51.9%	1,831	1,836	4	0.2%
53.1%	1,830	1,835	5	0.3%
54.3%	1,826	1,830	4	0.2%
55.6%	1,809	1,829	20	1.1%
56.8%	1,807	1,827	21	1.2%
58.0%	1,667	1,822	154	9.3%
59.3%	1,654	1,804	150	9.1%
60.5%	1,636	1,787	151	9.3%
61.7%	1,634	1,768	134	8.2%
63.0%	1,631	1,710	79	4.8%
64.2%	1,600	1,673	73	4.6%
65.4%	1,597	1,663	67	4.2%
66.7%	1,592	1,628	36	2.2%
67.9%	1,560	1,613	53	3.4%
69.1%	1,550	1,613	63	4.0%
70.4%	1,514	1,600	86	5.7%
71.6%	1,488	1,597	109	7.3%
72.8%	1,439	1,579	140	9.7%
74.1%	1,437	1,468	32	2.2%
75.3%	1,429	1,430	0	0.0%
76.5%	1,387	1,402	15	1.1%
77.8%	1,332	1,384	51	3.8%
79.0%	1,317	1,368	51	3.9%
80.2%	1,294	1,345	51	3.9%
81.5%	1,278	1,276	-2	-0.2%
82.7%	1,142	1,179	38	3.3%
84.0%	1,103	1,179	76	6.8%
85.2%	1,035	1,158	123	11.9%
86.4%	1,023	1,094	70	6.9%
87.7%	936	944	8	0.9%
88.9%	908	814	-94	-10.3%
90.1%	847	794	-53	-6.3%
91.4%	790	790	0	0.0%
92.6%	755	788	33	4.4%
93.8%	693	754	61	8.8%
95.1%	689	693	4	0.6%
96.3%	680	683	3	0.5%
97.5%	651	677	27	4.1%
98.8%	500	651	151	30.2%
100.0%	500	500	0	0.0%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,570	35,568	-2	0.0%
1.2%	30,060	29,994	-67	-0.2%
2.5%	25,352	25,348	-4	0.0%
3.7%	22,854	22,857	3	0.0%
4.9%	22,549	22,548	-1	0.0%
6.2%	20,943	20,941	-2	0.0%
7.4%	19,735	20,086	351	1.8%
8.6%	17,214	17,214	0	0.0%
9.9%	15,073	14,966	-108	-0.7%
11.1%	14,968	14,853	-115	-0.8%
12.3%	14,259	14,257	-2	0.0%
13.6%	13,595	13,595	0	0.0%
14.8%	10,917	10,918	1	0.0%
16.0%	10,441	10,440	-1	0.0%
17.3%	10,432	10,432	0	0.0%
18.5%	9,889	9,890	0	0.0%
19.8%	9,466	9,474	9	0.1%
21.0%	9,324	9,322	-2	0.0%
22.2%	8,812	8,541	-271	-3.1%
23.5%	8,541	8,533	-7	-0.1%
24.7%	8,222	8,206	-17	-0.2%
25.9%	8,156	8,158	2	0.0%
27.2%	7,195	7,199	4	0.1%
28.4%	6,948	6,952	4	0.1%
29.6%	6,427	6,427	0	0.0%
30.9%	6,394	6,353	-42	-0.7%
32.1%	6,337	6,337	0	0.0%
33.3%	6,041	6,041	0	0.0%
34.6%	5,861	5,780	-81	-1.4%
35.8%	5,660	5,659	-1	0.0%
37.0%	4,942	4,971	29	0.6%
38.3%	4,188	4,966	778	18.6%
39.5%	4,010	4,781	771	19.2%
40.7%	4,003	4,011	8	0.2%
42.0%	3,838	3,840	3	0.1%
43.2%	3,737	3,688	-49	-1.3%
44.4%	3,402	3,584	182	5.3%
45.7%	3,069	3,069	0	0.0%
46.9%	2,498	2,877	379	15.2%
48.1%	2,290	2,809	519	22.7%
49.4%	2,000	2,646	646	32.3%
50.6%	1,990	2,500	510	25.6%
51.9%	1,989	2,000	11	0.6%
53.1%	1,917	1,990	73	3.8%
54.3%	1,735	1,888	153	8.8%
55.6%	1,671	1,734	63	3.8%
56.8%	1,645	1,671	26	1.6%
58.0%	1,605	1,645	41	2.5%
59.3%	1,600	1,605	5	0.3%
60.5%	1,593	1,600	7	0.5%
61.7%	1,577	1,593	16	1.0%
63.0%	1,571	1,581	10	0.6%
64.2%	1,548	1,578	29	1.9%
65.4%	1,542	1,548	6	0.4%
66.7%	1,540	1,542	2	0.1%
67.9%	1,538	1,540	1	0.1%
69.1%	1,514	1,538	24	1.6%
70.4%	1,514	1,534	20	1.3%
71.6%	1,407	1,521	114	8.1%
72.8%	1,405	1,514	109	7.8%
74.1%	1,403	1,514	112	8.0%
75.3%	1,366	1,437	71	5.2%
76.5%	1,362	1,386	24	1.8%
77.8%	1,344	1,366	21	1.6%
79.0%	1,341	1,348	7	0.5%
80.2%	1,340	1,344	5	0.4%
81.5%	1,259	1,343	84	6.6%
82.7%	1,251	1,340	88	7.1%
84.0%	1,227	1,280	53	4.3%
85.2%	1,185	1,205	19	1.6%
86.4%	1,178	1,153	-25	-2.2%
87.7%	1,125	1,093	-31	-2.8%
88.9%	1,111	1,091	-20	-1.8%
90.1%	820	1,042	222	27.0%
91.4%	769	976	207	27.0%
92.6%	721	825	103	14.3%
93.8%	694	753	58	8.4%
95.1%	690	721	31	4.5%
96.3%	650	650	0	0.0%
97.5%	644	644	0	0.0%
98.8%	642	639	-3	-0.5%
100.0%	250	250	0	

Table SW-29-b

American River at H Street, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	37,257	37,258	0	0.0%
1.2%	25,474	25,474	0	0.0%
2.5%	25,290	25,283	-7	0.0%
3.7%	18,898	18,898	0	0.0%
4.9%	18,230	18,230	0	0.0%
6.2%	18,080	18,080	0	0.0%
7.4%	17,837	17,836	-2	0.0%
8.6%	17,660	17,834	174	1.0%
9.9%	17,052	17,052	0	0.0%
11.1%	16,564	16,561	-3	0.0%
12.3%	16,421	16,422	0	0.0%
13.6%	15,765	15,765	0	0.0%
14.8%	15,162	15,159	-2	0.0%
16.0%	15,140	14,883	-257	-1.7%
17.3%	13,954	13,954	0	0.0%
18.5%	13,952	13,953	1	0.0%
19.8%	13,921	13,921	0	0.0%
21.0%	12,923	12,759	-164	-1.3%
22.2%	12,762	12,392	-370	-2.9%
23.5%	11,892	11,893	2	0.0%
24.7%	11,399	11,468	69	0.6%
25.9%	10,922	10,922	0	0.0%
27.2%	10,602	10,602	0	0.0%
28.4%	10,486	10,488	2	0.0%
29.6%	8,550	8,550	0	0.0%
30.9%	8,501	8,489	-12	-0.1%
32.1%	8,057	8,057	0	0.0%
33.3%	7,065	7,067	3	0.0%
34.6%	6,978	6,978	0	0.0%
35.8%	6,919	6,921	1	0.0%
37.0%	6,759	6,759	0	0.0%
38.3%	6,737	6,737	0	0.0%
39.5%	6,705	6,720	14	0.2%
40.7%	6,548	6,643	96	1.5%
42.0%	6,472	6,472	0	0.0%
43.2%	5,830	5,827	-3	0.0%
44.4%	5,814	5,812	-2	0.0%
45.7%	5,812	5,811	0	0.0%
46.9%	5,674	5,671	-2	0.0%
48.1%	5,360	5,353	-8	-0.1%
49.4%	5,323	5,008	-315	-5.9%
50.6%	5,008	4,700	-308	-6.2%
51.9%	4,211	4,211	0	0.0%
53.1%	3,924	3,847	-78	-2.0%
54.3%	3,772	3,771	-1	0.0%
55.6%	3,597	3,597	0	0.0%
56.8%	3,561	3,412	-149	-4.2%
58.0%	3,412	3,328	-83	-2.4%
59.3%	3,365	3,123	-242	-7.2%
60.5%	3,365	2,891	-474	-14.1%
61.7%	3,326	2,841	-485	-14.6%
63.0%	2,918	2,643	-276	-9.5%
64.2%	2,771	2,401	-370	-13.4%
65.4%	2,529	2,273	-256	-10.1%
66.7%	2,401	2,195	-205	-8.6%
67.9%	2,187	2,178	-10	-0.4%
69.1%	2,102	2,102	0	0.0%
70.4%	2,000	2,000	0	0.0%
71.6%	1,989	1,990	1	0.0%
72.8%	1,570	1,899	328	20.9%
74.1%	1,423	1,570	147	10.3%
75.3%	1,407	1,364	-43	-3.0%
76.5%	1,338	1,338	0	0.0%
77.8%	1,325	1,325	0	0.0%
79.0%	1,314	1,314	0	0.0%
80.2%	1,293	1,291	-2	-0.2%
81.5%	1,282	1,282	0	0.0%
82.7%	1,269	1,271	2	0.1%
84.0%	1,266	1,269	3	0.3%
85.2%	1,220	1,266	46	3.8%
86.4%	1,138	1,209	71	6.2%
87.7%	1,138	1,204	66	5.8%
88.9%	1,134	1,179	45	3.9%
90.1%	1,124	1,159	35	3.1%
91.4%	1,103	1,157	54	4.8%
92.6%	1,044	1,136	92	8.8%
93.8%	986	1,134	148	15.0%
95.1%	969	1,103	135	13.9%
96.3%	952	1,008	57	5.9%
97.5%	931	854	-77	-8.3%
98.8%	250	250	0	
100.0%	250	250	0	

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,837	20,837	0	0.0%
1.2%	19,949	19,949	0	0.0%
2.5%	18,636	18,636	0	0.0%
3.7%	16,398	16,398	0	0.0%
4.9%	13,992	13,992	0	0.0%
6.2%	12,675	12,674	-2	0.0%
7.4%	12,540	12,541	1	0.0%
8.6%	12,039	12,039	0	0.0%
9.9%	11,890	11,890	0	0.0%
11.1%	10,924	10,910	-13	-0.1%
12.3%	9,872	9,867	-5	0.0%
13.6%	9,207	9,558	351	3.8%
14.8%	9,029	9,203	174	1.9%
16.0%	8,792	8,796	5	0.1%
17.3%	8,611	8,611	0	0.0%
18.5%	8,188	8,187	-1	0.0%
19.8%	8,180	8,179	-1	0.0%
21.0%	7,495	7,495	0	0.0%
22.2%	7,465	7,465	1	0.0%
23.5%	7,299	7,299	0	0.0%
24.7%	7,258	7,261	3	0.0%
25.9%	6,579	6,489	-91	-1.4%
27.2%	6,484	6,432	-53	-0.8%
28.4%	6,199	6,197	-2	0.0%
29.6%	6,073	6,073	0	0.0%
30.9%	5,678	5,673	-5	-0.1%
32.1%	5,412	5,411	-1	0.0%
33.3%	5,339	5,341	2	0.0%
34.6%	5,174	5,172	-2	0.0%
35.8%	5,094	5,094	0	0.0%
37.0%	5,078	4,867	-211	-4.1%
38.3%	4,832	4,832	0	0.0%
39.5%	4,789	4,789	0	0.0%
40.7%	4,644	4,617	-27	-0.6%
42.0%	4,618	4,545	-73	-1.6%
43.2%	4,406	4,406	0	0.0%
44.4%	4,266	4,266	1	0.0%
45.7%	4,082	4,082	0	0.0%
46.9%	3,711	3,735	23	0.6%
48.1%	3,629	3,711	82	2.3%
49.4%	3,601	3,629	28	0.8%
50.6%	3,519	3,603	84	2.4%
51.9%	3,502	3,521	19	0.5%
53.1%	3,478	3,502	24	0.7%
54.3%	3,170	3,478	309	9.7%
55.6%	3,156	3,169	13	0.4%
56.8%	3,119	3,155	36	1.1%
58.0%	3,037	3,109	72	2.4%
59.3%	3,000	3,041	41	1.4%
60.5%	3,000	3,000	0	0.0%
61.7%	2,926	2,927	1	0.0%
63.0%	2,606	2,478	-127	-4.9%
64.2%	2,480	2,211	-269	-10.9%
65.4%	2,095	2,095	0	0.0%
66.7%	2,017	2,017	0	0.0%
67.9%	1,715	1,905	190	11.1%
69.1%	1,714	1,715	1	0.1%
70.4%	1,636	1,714	79	4.8%
71.6%	1,632	1,631	0	0.0%
72.8%	1,593	1,593	0	0.0%
74.1%	1,556	1,591	35	2.2%
75.3%	1,542	1,556	14	0.9%
76.5%	1,492	1,556	64	4.3%
77.8%	1,308	1,549	241	18.4%
79.0%	1,155	1,493	337	29.2%
80.2%	1,117	1,328	211	18.9%
81.5%	1,043	1,303	260	25.0%
82.7%	715	715	0	0.0%
84.0%	686	686	0	0.0%
85.2%	680	680	0	0.0%
86.4%	663	663	0	0.0%
87.7%	658	658	0	0.0%
88.9%	652	654	2	0.3%
90.1%	651	649	-2	-0.2%
91.4%	650	641	-9	-1.5%
92.6%	640	633	-7	-1.1%
93.8%	633	627	-6	-0.9%
95.1%	627	615	-12	-2.0%
96.3%	615	614	-1	-0.1%
97.5%	614	613	-1	-0.1%
98.8%	250	367	117	46.8%
100.0%	250	250	0	0.0%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,987	18,987	0	0.0%
1.2%	16,641	16,642	1	0.0%
2.5%	11,559	11,556	-3	0.0%
3.7%	10,120	10,121	1	0.0%
4.9%	9,054	9,055	0	0.0%
6.2%	7,738	7,739	1	0.0%
7.4%	7,489	7,490	1	0.0%
8.6%	6,732	6,732	0	0.0%
9.9%	6,431	6,431	0	0.0%
11.1%	6,325	6,325	0	0.0%
12.3%	6,041	6,040	0	0.0%
13.6%	6,017	6,017	0	0.0%
14.8%	5,847	5,847	0	0.0%
16.0%	5,676	5,676	0	0.0%
17.3%	5,187	5,183	-4	-0.1%
18.5%	4,912	4,912	0	0.0%
19.8%	4,705	4,702	-3	-0.1%
21.0%	4,272	4,272	0	0.0%
22.2%	4,217	4,219	2	0.0%
23.5%	4,100	4,089	-11	-0.3%
24.7%	4,088	4,088	0	0.0%
25.9%	4,049	4,049	0	0.0%
27.2%	3,724	3,724	0	0.0%
28.4%	3,318	3,316	-3	-0.1%
29.6%	3,236	3,240	3	0.1%
30.9%	2,912	2,911	0	0.0%
32.1%	2,812	2,829	16	0.6%
33.3%	2,796	2,812	16	0.6%
34.6%	2,771	2,796	25	0.9%
35.8%	2,595	2,771	176	6.8%
37.0%	2,421	2,593	171	7.1%
38.3%	2,310	2,310	0	0.0%
39.5%	2,250	2,250	0	0.0%
40.7%	2,239	2,196	-43	-1.9%
42.0%	2,196	2,106	-90	-4.1%
43.2%	2,103	1,824	-279	-13.2%
44.4%	1,889	1,590	-299	-15.8%
45.7%	1,843	1,586	-257	-13.9%
46.9%	1,590	1,564	-26	-1.6%
48.1%	1,586	1,549	-37	-2.3%
49.4%	1,564	1,541	-23	-1.5%
50.6%	1,547	1,535	-12	-0.8%
51.9%	1,540	1,527	-14	-0.9%
53.1%	1,535	1,526	-9	-0.6%
54.3%	1,529	1,525	-3	-0.2%
55.6%	1,527	1,474	-53	-3.5%
56.8%	1,526	1,473	-53	-3.5%
58.0%	1,525	1,462	-64	-4.2%
59.3%	1,473	1,457	-16	-1.1%
60.5%	1,414	1,414	-1	0.0%
61.7%	1,406	1,306	-100	-7.1%
63.0%	1,286	1,252	-33	-2.6%
64.2%	1,168	1,242	74	6.3%
65.4%	1,094	1,191	97	8.9%
66.7%	1,092	1,180	88	8.1%
67.9%	1,088	1,168	79	7.3%
69.1%	1,045	1,158	113	10.8%
70.4%	975	1,096	122	12.5%
71.6%	966	1,092	126	13.0%
72.8%	949	975	26	2.8%
74.1%	935	954	19	2.0%
75.3%	913	949	36	4.0%
76.5%	877	935	58	6.6%
77.8%	821	906	86	10.4%
79.0%	818	877	59	7.2%
80.2%	763	846	83	10.9%
81.5%	733	821	87	11.9%
82.7%	706	819	113	16.0%
84.0%	652	818	166	25.4%
85.2%	652	816	163	25.1%
86.4%	640	815	175	27.4%
87.7%	627	805	177	28.3%
88.9%	623	792	169	27.1%
90.1%	622	788	166	26.7%
91.4%	619	771	152	24.5%
92.6%	616	766	150	24.4%
93.8%	615	763	148	24.1%
95.1%	605	707	102	16.9%
96.3%	600	668	68	11.4%
97.5%	592	640	47	8.0%
98.8%	588	623	35	6.0%
100.0%	188	622	434	231.0%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,126	8,127	1	0.0%
1.2%	7,345	7,345	0	0.0%
2.5%	5,294	5,294	0	0.0%
3.7%	5,146	5,146	0	0.0%
4.9%	4,709	4,709	0	0.0%
6.2%	3,526	3,526	0	0.0%
7.4%	3,408	3,409	0	0.0%
8.6%	3,283	3,283	0	0.0%
9.9%	3,193	3,193	0	0.0%
11.1%	2,892	2,892	0	0.0%
12.3%	2,634	2,840	206	7.8%
13.6%	2,612	2,612	0	0.0%
14.8%	2,557	2,557	0	0.0%
16.0%	2,551	2,551	0	0.0%
17.3%	2,193	2,229	36	1.7%
18.5%	2,156	2,100	-57	-2.6%
19.8%	2,099	1,946	-153	-7.3%
21.0%	1,950	1,874	-75	-3.9%
22.2%	1,879	1,820	-59	-3.2%
23.5%	1,823	1,736	-88	-4.8%
24.7%	1,724	1,724	-1	0.0%
25.9%	1,688	1,717	28	1.7%
27.2%	1,673	1,662	-11	-0.7%
28.4%	1,668	1,607	-61	-3.7%
29.6%	1,606	1,605	-2	-0.1%
30.9%	1,583	1,583	0	0.0%
32.1%	1,583	1,583	0	0.0%
33.3%	1,566	1,566	0	0.0%
34.6%	1,557	1,557	0	0.0%
35.8%	1,556	1,556	0	0.0%
37.0%	1,554	1,554	0	0.0%
38.3%	1,553	1,553	0	0.0%
39.5%	1,551	1,551	0	0.0%
40.7%	1,551	1,551	0	0.0%
42.0%	1,546	1,546	0	0.0%
43.2%	1,541	1,541	0	0.0%
44.4%	1,530	1,530	0	0.0%
45.7%	1,529	1,529	0	0.0%
46.9%	1,520	1,525	5	0.3%
48.1%	1,501	1,520	19	1.3%
49.4%	1,469	1,501	32	2.2%
50.6%	1,425	1,469	44	3.1%
51.9%	1,370	1,425	55	4.0%
53.1%	1,295	1,370	75	5.8%
54.3%	1,198	1,260	62	5.1%
55.6%	1,112	1,202	90	8.1%
56.8%	1,041	1,198	158	15.2%
58.0%	1,039	1,142	103	9.9%
59.3%	1,010	1,074	64	6.3%
60.5%	999	1,068	69	6.9%
61.7%	989	1,060	71	7.2%
63.0%	982	1,057	75	7.7%
64.2%	978	1,055	77	7.8%
65.4%	975	1,046	71	7.3%
66.7%	947	1,043	96	10.1%
67.9%	943	1,041	98	10.4%
69.1%	920	1,037	117	12.7%
70.4%	896	1,032	137	15.3%
71.6%	882	1,018	136	15.4%
72.8%	880	1,011	131	14.9%
74.1%	869	1,010	142	16.3%
75.3%	847	1,002	155	18.3%
76.5%	814	1,001	187	22.9%
77.8%	804	998	194	24.2%
79.0%	759	992	232	30.6%
80.2%	750	991	242	32.2%
81.5%	714	987	273	38.3%
82.7%	693	980	288	41.5%
84.0%	648	949	301	46.5%
85.2%	629	933	304	48.4%
86.4%	627	890	263	41.9%
87.7%	625	818	193	30.9%
88.9%	622	815	193	31.1%
90.1%	621	769	148	23.8%
91.4%	617	763	146	23.6%
92.6%	612	704	93	15.1%
93.8%	611	641	30	4.9%
95.1%	610	627	17	2.8%
96.3%	608	620	12	1.9%
97.5%	606	616	10	1.7%
98.8%	598	608	11	1.8%
100.0%	188	372	184	97.6%

Table SW-29-b

American River at H Street, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,738	3,000	-738	-19.7%
1.2%	3,535	3,000	-535	-15.1%
2.5%	3,284	2,678	-606	-18.5%
3.7%	3,159	2,546	-612	-19.4%
4.9%	3,048	2,482	-566	-18.6%
6.2%	2,917	2,458	-459	-15.7%
7.4%	2,661	2,403	-258	-9.7%
8.6%	2,609	2,381	-227	-8.7%
9.9%	2,546	2,373	-174	-6.8%
11.1%	2,371	2,371	0	0.0%
12.3%	2,169	2,311	143	6.6%
13.6%	2,098	2,169	70	3.3%
14.8%	2,077	2,118	42	2.0%
16.0%	1,970	1,970	0	0.0%
17.3%	1,967	1,967	1	0.0%
18.5%	1,898	1,942	44	2.3%
19.8%	1,873	1,941	68	3.7%
21.0%	1,836	1,914	78	4.3%
22.2%	1,823	1,836	12	0.7%
23.5%	1,794	1,823	29	1.6%
24.7%	1,753	1,785	31	1.8%
25.9%	1,744	1,770	26	1.5%
27.2%	1,738	1,755	16	0.9%
28.4%	1,737	1,752	15	0.9%
29.6%	1,723	1,694	-29	-1.7%
30.9%	1,694	1,668	-26	-1.5%
32.1%	1,669	1,590	-79	-4.8%
33.3%	1,583	1,542	-41	-2.6%
34.6%	1,542	1,520	-22	-1.4%
35.8%	1,524	1,514	-10	-0.7%
37.0%	1,514	1,511	-3	-0.2%
38.3%	1,511	1,508	-3	-0.2%
39.5%	1,508	1,505	-2	-0.2%
40.7%	1,505	1,505	0	0.0%
42.0%	1,505	1,502	-3	-0.2%
43.2%	1,502	1,502	0	0.0%
44.4%	1,502	1,501	-2	-0.1%
45.7%	1,501	1,500	-1	-0.1%
46.9%	1,500	1,500	-1	0.0%
48.1%	1,500	1,497	-2	-0.2%
49.4%	1,500	1,497	-2	-0.2%
50.6%	1,499	1,493	-6	-0.4%
51.9%	1,497	1,482	-15	-1.0%
53.1%	1,493	1,481	-12	-0.8%
54.3%	1,482	1,460	-22	-1.5%
55.6%	1,481	1,352	-129	-8.7%
56.8%	1,460	1,336	-124	-8.5%
58.0%	1,411	1,327	-84	-6.0%
59.3%	1,347	1,325	-22	-1.6%
60.5%	1,336	1,325	-11	-0.8%
61.7%	1,314	1,324	9	0.7%
63.0%	1,279	1,321	41	3.2%
64.2%	1,268	1,296	28	2.2%
65.4%	1,180	1,296	116	9.8%
66.7%	1,167	1,292	125	10.7%
67.9%	1,116	1,284	168	15.0%
69.1%	1,111	1,282	171	15.4%
70.4%	999	1,281	283	28.3%
71.6%	970	1,279	308	31.8%
72.8%	967	1,278	311	32.2%
74.1%	934	1,271	337	36.0%
75.3%	932	1,260	328	35.2%
76.5%	922	1,254	332	36.0%
77.8%	915	1,245	330	36.1%
79.0%	899	1,192	294	32.7%
80.2%	897	1,167	270	30.1%
81.5%	833	1,142	309	37.1%
82.7%	833	1,107	275	33.0%
84.0%	819	1,095	276	33.7%
85.2%	771	1,062	291	37.8%
86.4%	723	1,017	294	40.6%
87.7%	712	987	275	38.6%
88.9%	667	959	292	43.7%
90.1%	661	875	215	32.5%
91.4%	611	851	240	39.3%
92.6%	605	728	123	20.4%
93.8%	588	678	90	15.3%
95.1%	569	665	96	16.8%
96.3%	555	587	32	5.8%
97.5%	385	410	25	6.5%
98.8%	323	371	47	14.6%
100.0%	188	255	67	35.6%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,432	4,403	-29	-0.7%
1.2%	4,415	4,400	-16	-0.4%
2.5%	4,403	4,388	-15	-0.3%
3.7%	4,403	4,375	-28	-0.6%
4.9%	4,399	4,374	-25	-0.6%
6.2%	4,398	4,374	-24	-0.5%
7.4%	4,395	4,371	-24	-0.6%
8.6%	4,393	4,367	-27	-0.6%
9.9%	4,390	4,351	-39	-0.9%
11.1%	4,388	4,337	-52	-1.2%
12.3%	4,387	4,192	-195	-4.4%
13.6%	4,385	4,094	-291	-6.6%
14.8%	4,385	4,075	-310	-7.1%
16.0%	4,385	3,794	-591	-13.5%
17.3%	4,383	3,792	-591	-13.5%
18.5%	4,381	3,755	-626	-14.3%
19.8%	4,378	3,679	-699	-16.0%
21.0%	4,378	3,656	-722	-16.5%
22.2%	4,375	3,468	-907	-20.7%
23.5%	4,367	3,407	-960	-22.0%
24.7%	4,351	3,293	-1,058	-24.3%
25.9%	4,340	3,232	-1,109	-25.5%
27.2%	4,339	3,124	-1,214	-28.0%
28.4%	4,263	3,035	-1,228	-28.8%
29.6%	4,217	2,976	-1,241	-29.4%
30.9%	4,082	2,921	-1,161	-28.4%
32.1%	3,960	2,792	-1,168	-29.5%
33.3%	3,931	2,700	-1,230	-31.3%
34.6%	3,821	2,691	-1,130	-29.6%
35.8%	3,680	2,527	-1,153	-31.3%
37.0%	3,617	2,356	-1,262	-34.9%
38.3%	3,547	2,345	-1,202	-33.9%
39.5%	3,490	2,338	-1,152	-33.0%
40.7%	3,430	2,233	-1,197	-34.9%
42.0%	3,419	2,183	-1,236	-36.2%
43.2%	3,322	2,171	-1,151	-34.6%
44.4%	3,108	2,145	-963	-31.0%
45.7%	3,089	2,032	-1,058	-34.2%
46.9%	3,002	1,989	-1,013	-33.7%
48.1%	2,920	1,964	-956	-32.7%
49.4%	2,802	1,916	-886	-31.6%
50.6%	2,754	1,881	-874	-31.7%
51.9%	2,739	1,869	-871	-31.8%
53.1%	2,708	1,767	-941	-34.7%
54.3%	2,575	1,750	-825	-32.1%
55.6%	2,557	1,750	-807	-31.6%
56.8%	2,547	1,750	-797	-31.3%
58.0%	2,477	1,750	-727	-29.4%
59.3%	2,249	1,750	-499	-22.2%
60.5%	2,216	1,750	-466	-21.0%
61.7%	2,202	1,750	-452	-20.5%
63.0%	2,182	1,750	-432	-19.8%
64.2%	2,162	1,750	-412	-19.1%
65.4%	2,049	1,750	-299	-14.6%
66.7%	1,953	1,750	-203	-10.4%
67.9%	1,952	1,750	-202	-10.3%
69.1%	1,938	1,750	-188	-9.7%
70.4%	1,928	1,750	-178	-9.2%
71.6%	1,812	1,750	-62	-3.4%
72.8%	1,750	1,750	0	0.0%
74.1%	1,750	1,750	0	0.0%
75.3%	1,750	1,750	0	0.0%
76.5%	1,590	1,750	160	10.1%
77.8%	1,578	1,750	172	10.9%
79.0%	1,572	1,750	178	11.3%
80.2%	1,571	1,750	179	11.4%
81.5%	1,529	1,744	215	14.1%
82.7%	1,505	1,588	83	5.5%
84.0%	1,501	1,584	83	5.5%
85.2%	1,501	1,519	18	1.2%
86.4%	1,496	1,416	-79	-5.3%
87.7%	1,495	1,359	-136	-9.1%
88.9%	1,472	1,355	-116	-7.9%
90.1%	1,269	1,251	-18	-1.4%
91.4%	1,183	1,175	-8	-0.6%
92.6%	975	1,106	131	13.4%
93.8%	908	1,005	97	10.6%
95.1%	882	933	51	5.8%
96.3%	769	922	153	19.9%
97.5%	653	902	250	38.2%
98.8%	466	538	72	15.5%
100.0%	333	217	-115	-34.6%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,786	2,392	-393	-14.1%
1.2%	2,277	2,201	-77	-3.4%
2.5%	2,206	2,046	-160	-7.3%
3.7%	2,202	1,970	-232	-10.6%
4.9%	2,199	1,766	-432	-19.7%
6.2%	2,002	1,750	-252	-12.6%
7.4%	1,931	1,750	-181	-9.4%
8.6%	1,750	1,750	0	0.0%
9.9%	1,750	1,750	0	0.0%
11.1%	1,750	1,750	0	0.0%
12.3%	1,750	1,750	0	0.0%
13.6%	1,672	1,750	78	4.7%
14.8%	1,573	1,749	177	11.2%
16.0%	1,542	1,749	207	13.4%
17.3%	1,528	1,747	219	14.3%
18.5%	1,527	1,746	219	14.3%
19.8%	1,506	1,741	235	15.6%
21.0%	1,503	1,724	221	14.7%
22.2%	1,500	1,681	180	12.0%
23.5%	1,498	1,610	112	7.5%
24.7%	1,497	1,580	83	5.6%
25.9%	1,496	1,575	78	5.2%
27.2%	1,496	1,563	67	4.5%
28.4%	1,496	1,546	50	3.4%
29.6%	1,495	1,542	47	3.1%
30.9%	1,491	1,521	30	2.0%
32.1%	1,490	1,500	9	0.6%
33.3%	1,489	1,498	9	0.6%
34.6%	1,487	1,490	3	0.2%
35.8%	1,486	1,489	3	0.2%
37.0%	1,485	1,489	4	0.3%
38.3%	1,484	1,484	0	0.0%
39.5%	1,483	1,484	1	0.0%
40.7%	1,483	1,483	0	0.0%
42.0%	1,483	1,482	-1	-0.1%
43.2%	1,482	1,480	-2	-0.2%
44.4%	1,480	1,478	-3	-0.2%
45.7%	1,480	1,447	-33	-2.2%
46.9%	1,479	1,416	-63	-4.3%
48.1%	1,478	1,405	-73	-4.9%
49.4%	1,478	1,359	-119	-8.1%
50.6%	1,478	1,358	-119	-8.1%
51.9%	1,443	1,354	-89	-6.2%
53.1%	1,437	1,341	-96	-6.7%
54.3%	1,305	1,326	20	1.6%
55.6%	1,272	1,320	48	3.8%
56.8%	1,247	1,299	51	4.1%
58.0%	1,192	1,288	96	8.1%
59.3%	1,189	1,275	86	7.2%
60.5%	1,131	1,272	140	12.4%
61.7%	1,033	1,260	227	22.0%
63.0%	998	1,185	187	18.7%
64.2%	979	1,131	152	15.5%
65.4%	961	1,103	142	14.7%
66.7%	958	1,077	119	12.4%
67.9%	939	1,074	135	14.4%
69.1%	922	1,067	145	15.8%
70.4%	915	1,066	151	16.5%
71.6%	892	1,019	128	14.3%
72.8%	874	1,000	125	14.3%
74.1%	838	940	102	12.1%
75.3%	825	913	87	10.6%
76.5%	803	907	104	13.0%
77.8%	796	892	96	12.1%
79.0%	786	891	105	13.3%
80.2%	707	834	126	17.8%
81.5%	640	822	182	28.5%
82.7%	615	786	171	27.8%
84.0%	568	758	189	33.3%
85.2%	568	756	188	33.1%
86.4%	566	742	176	31.1%
87.7%	564	711	147	26.1%
88.9%	563	650	88	15.6%
90.1%	558	644	86	15.3%
91.4%	544	615	72	13.2%
92.6%	536	590	54	10.1%
93.8%	531	564	34	6.4%
95.1%	530	559	29	5.5%
96.3%	471	559	88	18.7%
97.5%	349	556	207	59.5%
98.8%	188	403	215	114.3%
100.0%	188	348	160	84.9%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,582	4,521	-62	-1.3%
1.2%	4,566	4,336	-230	-5.0%
2.5%	4,560	4,301	-260	-5.7%
3.7%	4,545	4,252	-293	-6.4%
4.9%	4,539	4,194	-345	-7.6%
6.2%	4,335	3,451	-884	-20.4%
7.4%	3,579	3,424	-156	-4.3%
8.6%	3,114	2,937	-177	-5.7%
9.9%	3,070	2,885	-185	-6.0%
11.1%	2,830	2,538	-292	-10.3%
12.3%	2,805	2,511	-294	-10.5%
13.6%	2,544	2,459	-85	-3.4%
14.8%	2,509	2,418	-91	-3.6%
16.0%	2,507	2,380	-127	-5.1%
17.3%	2,390	2,362	-28	-1.2%
18.5%	2,309	2,257	-53	-2.3%
19.8%	2,251	2,256	5	0.2%
21.0%	2,220	2,213	-7	-0.3%
22.2%	2,128	2,193	65	3.1%
23.5%	2,115	2,100	-15	-0.7%
24.7%	2,024	1,939	-85	-4.2%
25.9%	2,009	1,840	-169	-8.4%
27.2%	1,852	1,838	-14	-0.7%
28.4%	1,750	1,750	0	0.0%
29.6%	1,750	1,688	-62	-3.6%
30.9%	1,750	1,663	-87	-5.0%
32.1%	1,607	1,609	2	0.1%
33.3%	1,585	1,549	-36	-2.3%
34.6%	1,530	1,483	-46	-3.0%
35.8%	1,484	1,446	-38	-2.6%
37.0%	1,380	1,446	67	4.8%
38.3%	1,352	1,446	94	7.0%
39.5%	1,343	1,445	102	7.6%
40.7%	1,335	1,436	101	7.6%
42.0%	1,332	1,427	94	7.1%
43.2%	1,332	1,399	66	5.0%
44.4%	1,331	1,352	21	1.6%
45.7%	1,329	1,341	12	0.9%
46.9%	1,329	1,332	3	0.2%
48.1%	1,328	1,332	4	0.3%
49.4%	1,313	1,330	17	1.3%
50.6%	1,311	1,329	18	1.4%
51.9%	1,309	1,313	4	0.3%
53.1%	1,292	1,303	11	0.9%
54.3%	1,280	1,295	15	1.2%
55.6%	1,170	1,276	106	9.1%
56.8%	1,093	1,260	167	15.3%
58.0%	1,085	1,213	128	11.8%
59.3%	1,030	1,212	182	17.6%
60.5%	1,020	1,204	184	18.0%
61.7%	1,011	1,203	191	18.9%
63.0%	992	1,202	210	21.2%
64.2%	978	1,116	138	14.1%
65.4%	918	1,097	179	19.5%
66.7%	874	1,084	210	24.1%
67.9%	866	1,075	208	24.1%
69.1%	840	1,034	194	23.1%
70.4%	821	1,011	189	23.1%
71.6%	807	1,003	195	24.2%
72.8%	746	990	244	32.7%
74.1%	689	976	287	41.6%
75.3%	649	941	292	45.1%
76.5%	630	940	310	49.1%
77.8%	620	924	303	48.9%
79.0%	616	866	250	40.6%
80.2%	611	857	246	40.2%
81.5%	611	851	241	39.4%
82.7%	611	844	233	38.2%
84.0%	610	827	217	35.6%
85.2%	609	816	207	34.0%
86.4%	609	799	190	31.3%
87.7%	609	738	129	21.3%
88.9%	608	675	66	10.9%
90.1%	608	639	31	5.0%
91.4%	602	622	20	3.3%
92.6%	599	609	10	1.7%
93.8%	596	608	12	2.0%
95.1%	510	607	97	19.0%
96.3%	376	544	168	44.6%
97.5%	281	538	257	91.5%
98.8%	281	370	89	31.6%
100.0%	261	278	17	6.5%

Figure SW-46-b
Feather River at Shanghai Bend, Monthly Flow
Probability of Exceedance

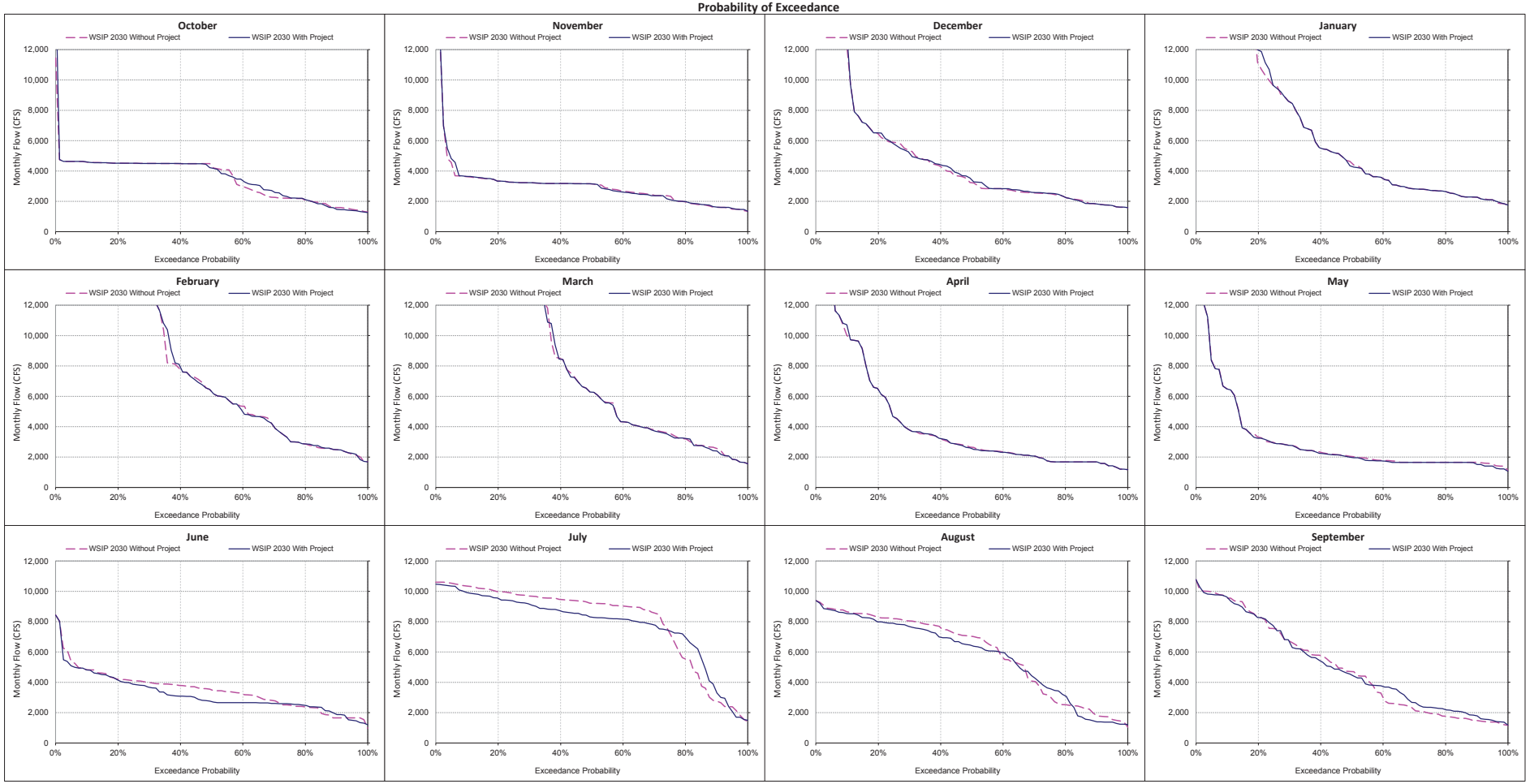


Table SW-46-b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,454	16,356	4,902	42.8%
1.2%	4,746	4,746	0	0.0%
2.5%	4,635	4,635	0	0.0%
3.7%	4,635	4,635	0	0.0%
4.9%	4,635	4,635	0	0.0%
6.2%	4,635	4,635	0	0.0%
7.4%	4,635	4,635	0	0.0%
8.6%	4,631	4,631	0	0.0%
9.9%	4,590	4,590	0	0.0%
11.1%	4,568	4,568	0	0.0%
12.3%	4,554	4,554	0	0.0%
13.6%	4,554	4,554	0	0.0%
14.8%	4,546	4,546	0	0.0%
16.0%	4,542	4,542	0	0.0%
17.3%	4,528	4,523	-5	-0.1%
18.5%	4,523	4,520	-2	-0.1%
19.8%	4,520	4,515	-5	-0.1%
21.0%	4,515	4,511	-5	-0.1%
22.2%	4,511	4,508	-2	-0.1%
23.5%	4,508	4,507	-1	0.0%
24.7%	4,507	4,507	0	0.0%
25.9%	4,504	4,504	0	0.0%
27.2%	4,502	4,502	0	0.0%
28.4%	4,502	4,502	0	0.0%
29.6%	4,500	4,500	0	0.0%
30.9%	4,500	4,495	-4	-0.1%
32.1%	4,495	4,491	-4	-0.1%
33.3%	4,491	4,491	0	0.0%
34.6%	4,491	4,491	0	0.0%
35.8%	4,491	4,490	-2	0.0%
37.0%	4,490	4,489	0	0.0%
38.3%	4,489	4,487	-2	0.0%
39.5%	4,487	4,487	0	0.0%
40.7%	4,487	4,486	-1	0.0%
42.0%	4,486	4,486	0	0.0%
43.2%	4,486	4,486	0	0.0%
44.4%	4,486	4,484	-2	0.0%
45.7%	4,485	4,484	0	0.0%
46.9%	4,484	4,484	0	0.0%
48.1%	4,484	4,447	-38	-0.8%
49.4%	4,484	4,222	-262	-5.8%
50.6%	4,190	4,162	-28	-0.7%
51.9%	4,143	4,109	-34	-0.8%
53.1%	4,093	3,828	-265	-6.5%
54.3%	4,083	3,817	-266	-6.5%
55.6%	4,072	3,698	-374	-9.2%
56.8%	3,678	3,605	-72	-2.0%
58.0%	3,118	3,468	350	11.2%
59.3%	3,005	3,461	456	15.2%
60.5%	2,944	3,283	339	11.5%
61.7%	2,846	3,163	317	11.1%
63.0%	2,744	3,109	365	13.3%
64.2%	2,624	3,095	471	18.0%
65.4%	2,569	3,033	464	18.1%
66.7%	2,443	2,772	328	13.4%
67.9%	2,318	2,744	426	18.4%
69.1%	2,270	2,708	438	19.3%
70.4%	2,260	2,572	312	13.8%
71.6%	2,220	2,567	347	15.6%
72.8%	2,216	2,379	163	7.4%
74.1%	2,206	2,318	112	5.1%
75.3%	2,200	2,215	15	0.7%
76.5%	2,189	2,214	25	1.1%
77.8%	2,188	2,206	18	0.8%
79.0%	2,185	2,200	15	0.7%
80.2%	2,039	2,089	51	2.5%
81.5%	2,028	2,038	10	0.5%
82.7%	1,960	1,940	-20	-1.0%
84.0%	1,943	1,846	-97	-5.0%
85.2%	1,873	1,836	-37	-2.0%
86.4%	1,846	1,716	-131	-7.1%
87.7%	1,679	1,601	-77	-4.6%
88.9%	1,601	1,592	-9	-0.6%
90.1%	1,592	1,466	-126	-7.9%
91.4%	1,589	1,449	-140	-8.8%
92.6%	1,550	1,441	-108	-7.0%
93.8%	1,527	1,410	-116	-7.6%
95.1%	1,464	1,390	-74	-5.0%
96.3%	1,425	1,386	-39	-2.7%
97.5%	1,410	1,331	-79	-5.6%
98.8%	1,331	1,297	-34	-2.6%
100.0%	1,297	1,253	-45	-3.4%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,385	15,947	561	3.6%
1.2%	13,032	13,699	667	5.1%
2.5%	6,984	6,984	0	0.0%
3.7%	4,826	5,491	666	13.8%
4.9%	4,561	4,826	264	5.8%
6.2%	3,687	4,561	875	23.7%
7.4%	3,676	3,687	10	0.3%
8.6%	3,647	3,676	30	0.8%
9.9%	3,633	3,647	14	0.4%
11.1%	3,603	3,633	30	0.8%
12.3%	3,568	3,603	35	1.0%
13.6%	3,553	3,568	15	0.4%
14.8%	3,508	3,553	45	1.3%
16.0%	3,502	3,508	6	0.2%
17.3%	3,470	3,502	32	0.9%
18.5%	3,446	3,446	0	0.0%
19.8%	3,336	3,336	0	0.0%
21.0%	3,334	3,334	0	0.0%
22.2%	3,322	3,322	0	0.0%
23.5%	3,267	3,267	0	0.0%
24.7%	3,257	3,257	0	0.0%
25.9%	3,250	3,250	0	0.0%
27.2%	3,229	3,229	0	0.0%
28.4%	3,227	3,227	0	0.0%
29.6%	3,223	3,223	0	0.0%
30.9%	3,222	3,222	0	0.0%
32.1%	3,206	3,206	0	0.0%
33.3%	3,196	3,196	0	0.0%
34.6%	3,175	3,175	0	0.0%
35.8%	3,172	3,172	0	0.0%
37.0%	3,172	3,172	0	0.0%
38.3%	3,172	3,172	0	0.0%
39.5%	3,172	3,172	0	0.0%
40.7%	3,172	3,172	0	0.0%
42.0%	3,172	3,172	0	0.0%
43.2%	3,171	3,171	0	0.0%
44.4%	3,165	3,165	0	0.0%
45.7%	3,163	3,163	0	0.0%
46.9%	3,160	3,160	0	0.0%
48.1%	3,159	3,159	0	0.0%
49.4%	3,157	3,157	0	0.0%
50.6%	3,137	3,137	0	0.0%
51.9%	3,111	3,111	0	0.0%
53.1%	3,064	2,876	-188	-6.1%
54.3%	2,881	2,819	-62	-2.2%
55.6%	2,876	2,791	-85	-3.0%
56.8%	2,791	2,697	-95	-3.4%
58.0%	2,767	2,655	-111	-4.0%
59.3%	2,697	2,628	-69	-2.5%
60.5%	2,659	2,599	-60	-2.3%
61.7%	2,628	2,573	-55	-2.1%
63.0%	2,599	2,530	-69	-2.7%
64.2%	2,568	2,515	-53	-2.1%
65.4%	2,530	2,453	-77	-3.0%
66.7%	2,515	2,451	-64	-2.5%
67.9%	2,474	2,448	-26	-1.0%
69.1%	2,451	2,378	-73	-3.0%
70.4%	2,378	2,376	-2	-0.1%
71.6%	2,376	2,372	-4	-0.2%
72.8%	2,372	2,372	0	0.0%
74.1%	2,372	2,169	-204	-8.6%
75.3%	2,332	2,094	-238	-10.2%
76.5%	2,035	2,039	4	0.2%
77.8%	2,006	2,006	0	0.0%
79.0%	2,002	2,002	0	0.0%
80.2%	1,952	1,984	31	1.6%
81.5%	1,856	1,884	28	1.5%
82.7%	1,837	1,856	19	1.0%
84.0%	1,788	1,837	49	2.7%
85.2%	1,778	1,788	10	0.6%
86.4%	1,753	1,778	25	1.4%
87.7%	1,694	1,753	59	3.5%
88.9%	1,615	1,655	39	2.4%
90.1%	1,605	1,611	6	0.4%
91.4%	1,602	1,603	1	0.1%
92.6%	1,601	1,602	1	0.1%
93.8%	1,549	1,601	52	3.3%
95.1%	1,488	1,538	50	3.3%
96.3%	1,482	1,480	-2	-0.2%
97.5%	1,463	1,463	0	0.0%
98.8%	1,389	1,462	73	5.2%
100.0%	1,340	1,340	0	0.0%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	37,877	37,877	0	0.0%
1.2%	34,517	37,129	2,612	7.6%
2.5%	29,962	27,245	-2,718	-9.1%
3.7%	27,083	27,083	0	0.0%
4.9%	23,648	27,069	3,422	14.5%
6.2%	20,995	20,637	-357	-1.7%
7.4%	14,691	16,168	1,478	10.1%
8.6%	13,711	14,691	979	7.1%
9.9%	12,380	13,133	753	6.1%
11.1%	9,708	9,708	0	0.0%
12.3%	7,895	7,895	0	0.0%
13.6%	7,621	7,621	0	0.0%
14.8%	7,223	7,223	0	0.0%
16.0%	7,108	7,108	0	0.0%
17.3%	6,832	6,832	0	0.0%
18.5%	6,526	6,523	-2	0.0%
19.8%	6,497	6,515	19	0.3%
21.0%	6,204	6,496	293	4.7%
22.2%	6,060	6,134	74	1.2%
23.5%	5,921	6,008	86	1.5%
24.7%	5,898	5,830	-68	-1.2%
25.9%	5,863	5,659	-204	-3.5%
27.2%	5,778	5,491	-287	-5.0%
28.4%	5,491	5,378	-114	-2.1%
29.6%	5,385	5,266	-118	-2.2%
30.9%	5,276	4,944	-332	-6.3%
32.1%	4,944	4,882	-61	-1.2%
33.3%	4,882	4,799	-84	-1.7%
34.6%	4,758	4,758	0	0.0%
35.8%	4,730	4,730	0	0.0%
37.0%	4,476	4,641	165	3.7%
38.3%	4,423	4,483	60	1.4%
39.5%	4,351	4,444	93	2.1%
40.7%	4,181	4,351	171	4.1%
42.0%	3,998	4,322	324	8.1%
43.2%	3,959	4,181	221	5.6%
44.4%	3,692	3,937	244	6.6%
45.7%	3,673	3,843	171	4.7%
46.9%	3,624	3,691	67	1.9%
48.1%	3,530	3,673	143	4.1%
49.4%	3,240	3,530	290	8.9%
50.6%	3,211	3,273	62	1.9%
51.9%	3,039	3,262	223	7.3%
53.1%	2,849	3,240	391	13.7%
54.3%	2,838	3,038	199	7.0%
55.6%	2,838	2,849	11	0.4%
56.8%	2,838	2,838	0	0.0%
58.0%	2,838	2,838	0	0.0%
59.3%	2,838	2,838	0	0.0%
60.5%	2,764	2,838	74	2.7%
61.7%	2,764	2,838	75	2.7%
63.0%	2,724	2,764	40	1.5%
64.2%	2,656	2,760	104	3.9%
65.4%	2,623	2,724	101	3.8%
66.7%	2,596	2,657	61	2.3%
67.9%	2,579	2,656	78	3.0%
69.1%	2,573	2,596	22	0.9%
70.4%	2,552	2,579	26	1.0%
71.6%	2,535	2,576	41	1.6%
72.8%	2,526	2,552	26	1.0%
74.1%	2,517	2,534	16	0.7%
75.3%	2,503	2,526	24	0.9%
76.5%	2,451	2,503	51	2.1%
77.8%	2,417	2,451	34	1.4%
79.0%	2,351	2,351	0	0.0%
80.2%	2,241	2,241	0	0.0%
81.5%	2,180	2,179	0	0.0%
82.7%	2,137	2,122	-15	-0.7%
84.0%	2,110	2,065	-45	-2.1%
85.2%	2,065	1,974	-92	-4.4%
86.4%	1,974	1,859	-115	-5.8%
87.7%	1,859	1,858	-1	0.0%
88.9%	1,851	1,851	0	0.0%
90.1%	1,817	1,817	0	0.0%
91.4%	1,784	1,784	0	0.0%
92.6%	1,771	1,755	-16	-0.9%
93.8%	1,755	1,755	0	0.0%
95.1%	1,721	1,721	0	0.0%
96.3%	1,633	1,633	0	0.0%
97.5%	1,611	1,611	0	0.0%
98.8%	1,611	1,611	0	0.0%
100.0%	1,587	1,587	0	0.0%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	64,676	64,676	0	0.0%
1.2%	51,372	45,550	-5,822	-11.3%
2.5%	44,597	44,597	0	0.0%
3.7%	35,561	35,541	-20	-0.1%
4.9%	31,885	33,980	2,095	6.6%
6.2%	31,840	31,885	45	0.1%
7.4%	23,793	24,673	881	3.7%
8.6%	22,814	22,103	-711	-3.1%
9.9%	21,607	21,607	0	0.0%
11.1%	20,644	20,792	148	0.7%
12.3%	18,823	20,644	1,821	9.7%
13.6%	18,488	20,296	1,808	9.8%
14.8%	17,902	17,902	0	0.0%
16.0%	15,705	16,310	604	3.8%
17.3%	15,564	15,301	-262	-1.7%
18.5%	13,785	14,999	1,214	8.8%
19.8%	11,147	11,988	841	7.5%
21.0%	10,692	11,870	1,178	11.0%
22.2%	10,302	11,147	844	8.2%
23.5%	9,972	10,692	720	7.2%
24.7%	9,654	9,651	-4	0.0%
25.9%	9,651	9,443	-208	-2.2%
27.2%	9,060	9,237	177	1.9%
28.4%	8,902	8,902	0	0.0%
29.6%	8,604	8,604	0	0.0%
30.9%	8,455	8,455	0	0.0%
32.1%	7,943	7,946	2	0.0%
33.3%	7,520	7,520	0	0.0%
34.6%	6,879	6,879	0	0.0%
35.8%	6,785	6,785	0	0.0%
37.0%	6,692	6,692	0	0.0%
38.3%	5,922	5,922	0	0.0%
39.5%	5,542	5,542	0	0.0%
40.7%	5,462	5,462	0	0.0%
42.0%	5,418	5,418	0	0.0%
43.2%	5,285	5,285	0	0.0%
44.4%	5,192	5,192	0	0.0%
45.7%	5,153	5,152	-1	0.0%
46.9%	4,936	4,936	0	0.0%
48.1%	4,712	4,712	0	0.0%
49.4%	4,628	4,348	-280	-6.1%
50.6%	4,396	4,264	-133	-3.0%
51.9%	4,348	4,222	-125	-2.9%
53.1%	4,162	4,162	0	0.0%
54.3%	3,814	3,814	0	0.0%
55.6%	3,798	3,798	0	0.0%
56.8%	3,633	3,627	-6	-0.2%
58.0%	3,627	3,616	-11	-0.3%
59.3%	3,595	3,595	0	0.0%
60.5%	3,430	3,430	0	0.0%
61.7%	3,388	3,388	0	0.0%
63.0%	3,097	3,097	0	0.0%
64.2%	3,066	3,066	0	0.0%
65.4%	2,992	2,992	0	0.0%
66.7%	2,963	2,963	0	0.0%
67.9%	2,886	2,886	0	0.0%
69.1%	2,841	2,841	0	0.0%
70.4%	2,811	2,811	0	0.0%
71.6%	2,807	2,807	0	0.0%
72.8%	2,793	2,793	0	0.0%
74.1%	2,764	2,764	0	0.0%
75.3%	2,712	2,712	0	0.0%
76.5%	2,710	2,710	0	0.0%
77.8%	2,683	2,683	0	0.0%
79.0%	2,679	2,679	0	0.0%
80.2%	2,628	2,628	0	0.0%
81.5%	2,549	2,549	0	0.0%
82.7%	2,509	2,509	0	0.0%
84.0%	2,430	2,430	0	0.0%
85.2%	2,318	2,318	0	0.0%
86.4%	2,295	2,293	-2	-0.1%
87.7%	2,280	2,280	0	0.0%
88.9%	2,278	2,278	0	0.0%
90.1%	2,277	2,277	0	0.0%
91.4%	2,168	2,168	0	0.0%
92.6%	2,157	2,110	-47	-2.2%
93.8%	2,105	2,105	0	0.0%
95.1%	2,102	2,102	0	0.0%
96.3%	1,914	1,999	85	4.4%
97.5%	1,859	1,914	54	2.9%
98.8%	1,845	1,845	0	0.0%
100.0%	1,759	1,759	0	0.0%

Table SW-46-b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,842	59,842	0	0.0%
1.2%	45,979	45,979	0	0.0%
2.5%	43,990	44,001	11	0.0%
3.7%	40,844	40,844	0	0.0%
4.9%	34,850	36,689	1,839	5.3%
6.2%	33,488	33,488	0	0.0%
7.4%	31,771	31,771	0	0.0%
8.6%	31,743	31,743	0	0.0%
9.9%	31,558	31,696	138	0.4%
11.1%	29,465	31,558	2,093	7.1%
12.3%	28,169	29,982	1,813	6.4%
13.6%	27,820	29,840	2,020	7.3%
14.8%	26,979	27,822	843	3.1%
16.0%	26,978	26,978	0	0.0%
17.3%	26,790	26,790	0	0.0%
18.5%	23,882	25,056	1,174	4.9%
19.8%	23,358	24,501	1,143	4.9%
21.0%	21,923	22,417	493	2.3%
22.2%	21,240	21,923	683	3.2%
23.5%	21,025	21,240	215	1.0%
24.7%	20,687	20,507	-180	-0.9%
25.9%	19,532	19,983	451	2.3%
27.2%	19,281	19,278	-3	0.0%
28.4%	17,629	17,629	0	0.0%
29.6%	14,059	14,195	136	1.0%
30.9%	13,655	14,059	404	3.0%
32.1%	12,151	12,151	0	0.0%
33.3%	11,639	11,639	0	0.0%
34.6%	10,390	10,816	426	4.1%
35.8%	8,202	10,390	2,188	26.7%
37.0%	8,179	9,027	848	10.4%
38.3%	8,120	8,202	81	1.0%
39.5%	7,868	8,119	251	3.2%
40.7%	7,595	7,595	0	0.0%
42.0%	7,589	7,589	0	0.0%
43.2%	7,317	7,317	0	0.0%
44.4%	7,264	7,119	-144	-2.0%
45.7%	7,121	6,919	-202	-2.8%
46.9%	6,919	6,760	-159	-2.3%
48.1%	6,555	6,555	0	0.0%
49.4%	6,449	6,449	0	0.0%
50.6%	6,156	6,156	0	0.0%
51.9%	6,024	6,023	-1	0.0%
53.1%	5,989	5,987	-2	0.0%
54.3%	5,946	5,946	0	0.0%
55.6%	5,720	5,720	0	0.0%
56.8%	5,503	5,503	0	0.0%
58.0%	5,492	5,492	0	0.0%
59.3%	5,354	5,181	-173	-3.2%
60.5%	5,351	4,816	-534	-10.0%
61.7%	4,816	4,799	-17	-0.4%
63.0%	4,801	4,690	-111	-2.3%
64.2%	4,690	4,669	-21	-0.5%
65.4%	4,669	4,650	-19	-0.4%
66.7%	4,650	4,575	-74	-1.6%
67.9%	4,575	4,373	-202	-4.4%
69.1%	4,223	4,223	0	0.0%
70.4%	3,880	3,880	0	0.0%
71.6%	3,684	3,684	0	0.0%
72.8%	3,489	3,489	0	0.0%
74.1%	3,310	3,310	0	0.0%
75.3%	3,005	3,005	0	0.0%
76.5%	2,990	2,990	0	0.0%
77.8%	2,982	2,982	0	0.0%
79.0%	2,884	2,884	0	0.0%
80.2%	2,848	2,852	4	0.1%
81.5%	2,760	2,848	89	3.2%
82.7%	2,754	2,760	5	0.2%
84.0%	2,629	2,754	126	4.8%
85.2%	2,581	2,629	47	1.8%
86.4%	2,572	2,583	11	0.4%
87.7%	2,571	2,581	10	0.4%
88.9%	2,508	2,508	0	0.0%
90.1%	2,478	2,478	0	0.0%
91.4%	2,465	2,465	0	0.0%
92.6%	2,364	2,364	0	0.0%
93.8%	2,273	2,273	0	0.0%
95.1%	2,179	2,243	63	2.9%
96.3%	2,112	2,179	67	3.2%
97.5%	2,021	1,832	-189	-9.4%
98.8%	1,711	1,711	0	0.0%
100.0%	1,700	1,678	-23	-1.3%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	53,653	53,653	0	0.0%
1.2%	52,428	52,429	0	0.0%
2.5%	41,481	41,518	37	0.1%
3.7%	41,088	41,481	393	1.0%
4.9%	37,093	37,096	3	0.0%
6.2%	37,092	37,092	0	0.0%
7.4%	29,584	29,584	0	0.0%
8.6%	26,754	26,754	0	0.0%
9.9%	25,520	25,520	0	0.0%
11.1%	24,973	24,483	-490	-2.0%
12.3%	24,125	24,125	0	0.0%
13.6%	20,551	21,941	1,390	6.8%
14.8%	20,317	20,551	234	1.2%
16.0%	19,782	19,782	0	0.0%
17.3%	19,457	19,457	0	0.0%
18.5%	19,398	18,824	-575	-3.0%
19.8%	18,824	18,639	-185	-1.0%
21.0%	18,202	18,202	0	0.0%
22.2%	17,236	17,236	0	0.0%
23.5%	17,213	17,213	0	0.0%
24.7%	15,606	15,606	0	0.0%
25.9%	15,017	15,017	0	0.0%
27.2%	14,049	14,049	0	0.0%
28.4%	13,613	13,613	0	0.0%
29.6%	13,238	13,238	0	0.0%
30.9%	13,038	13,037	-1	0.0%
32.1%	12,589	12,559	-30	-0.2%
33.3%	12,560	12,398	-162	-1.3%
34.6%	12,268	12,268	0	0.0%
35.8%	11,805	10,881	-924	-7.8%
37.0%	9,589	10,804	1,214	12.7%
38.3%	8,576	9,389	813	9.5%
39.5%	8,513	8,463	-50	-0.6%
40.7%	8,416	8,416	0	0.0%
42.0%	7,769	7,769	0	0.0%
43.2%	7,542	7,275	-267	-3.5%
44.4%	7,275	7,242	-33	-0.5%
45.7%	6,934	6,934	-1	0.0%
46.9%	6,640	6,650	10	0.2%
48.1%	6,547	6,547	0	0.0%
49.4%	6,291	6,291	0	0.0%
50.6%	6,267	6,267	0	0.0%
51.9%	6,078	6,078	0	0.0%
53.1%	5,809	5,809	0	0.0%
54.3%	5,622	5,570	-52	-0.9%
55.6%	5,573	5,563	-10	-0.2%
56.8%	5,563	5,414	-149	-2.7%
58.0%	4,665	4,650	-15	-0.3%
59.3%	4,326	4,326	0	0.0%
60.5%	4,316	4,314	-3	-0.1%
61.7%	4,273	4,273	0	0.0%
63.0%	4,127	4,127	0	0.0%
64.2%	4,072	4,072	0	0.0%
65.4%	4,013	4,013	0	0.0%
66.7%	3,936	3,935	-1	0.0%
67.9%	3,920	3,920	0	0.0%
69.1%	3,827	3,787	-40	-1.0%
70.4%	3,787	3,703	-84	-2.2%
71.6%	3,703	3,647	-56	-1.5%
72.8%	3,647	3,600	-47	-1.3%
74.1%	3,600	3,532	-69	-1.9%
75.3%	3,532	3,391	-140	-4.0%
76.5%	3,391	3,251	-141	-4.1%
77.8%	3,251	3,247	-3	-0.1%
79.0%	3,222	3,247	25	0.8%
80.2%	3,185	3,222	36	1.1%
81.5%	3,020	3,185	165	5.5%
82.7%	2,876	2,754	-122	-4.2%
84.0%	2,754	2,751	-3	-0.1%
85.2%	2,751	2,749	-3	-0.1%
86.4%	2,749	2,644	-106	-3.8%
87.7%	2,663	2,556	-107	-4.0%
88.9%	2,644	2,412	-232	-8.8%
90.1%	2,556	2,405	-150	-5.9%
91.4%	2,405	2,181	-224	-9.3%
92.6%	2,094	2,092	-2	-0.1%
93.8%	2,066	2,066	0	0.0%
95.1%	1,849	1,849	0	0.0%
96.3%	1,814	1,814	0	0.0%
97.5%	1,657	1,657	0	0.0%
98.8%	1,649	1,645	-4	-0.3%
100.0%	1,559	1,559	0	0.0%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,813	30,807	-6	0.0%
1.2%	25,542	25,538	-4	0.0%
2.5%	22,345	22,342	-3	0.0%
3.7%	15,712	15,704	-8	-0.1%
4.9%	14,944	14,937	-7	0.0%
6.2%	11,642	11,637	-5	0.0%
7.4%	11,360	11,357	-4	0.0%
8.6%	10,729	10,814	86	0.8%
9.9%	10,040	10,721	681	6.8%
11.1%	9,729	9,725	-4	0.0%
12.3%	9,684	9,681	-3	0.0%
13.6%	9,646	9,642	-4	0.0%
14.8%	9,176	9,144	-32	-0.3%
16.0%	8,005	7,995	-9	-0.1%
17.3%	7,044	7,035	-9	-0.1%
18.5%	6,605	6,598	-7	-0.1%
19.8%	6,528	6,522	-6	-0.1%
21.0%	6,122	6,113	-9	-0.2%
22.2%	5,945	5,939	-6	-0.1%
23.5%	5,450	5,450	0	0.0%
24.7%	4,666	4,666	0	0.0%
25.9%	4,538	4,529	-9	-0.2%
27.2%	4,282	4,282	0	0.0%
28.4%	4,009	3,995	-14	-0.3%
29.6%	3,823	3,816	-6	-0.2%
30.9%	3,685	3,685	0	0.0%
32.1%	3,673	3,673	0	0.0%
33.3%	3,539	3,670	132	3.7%
34.6%	3,528	3,539	11	0.3%
35.8%	3,497	3,528	31	0.9%
37.0%	3,437	3,497	60	1.8%
38.3%	3,404	3,394	-11	-0.3%
39.5%	3,239	3,239	0	0.0%
40.7%	3,138	3,180	41	1.3%
42.0%	3,051	3,138	87	2.8%
43.2%	2,907	2,904	-3	-0.1%
44.4%	2,870	2,870	0	0.0%
45.7%	2,850	2,803	-47	-1.6%
46.9%	2,803	2,758	-45	-1.6%
48.1%	2,756	2,630	-126	-4.6%
49.4%	2,656	2,595	-61	-2.3%
50.6%	2,632	2,501	-130	-5.0%
51.9%	2,501	2,479	-23	-0.9%
53.1%	2,483	2,418	-64	-2.6%
54.3%	2,418	2,410	-9	-0.4%
55.6%	2,412	2,392	-19	-0.8%
56.8%	2,392	2,391	-2	-0.1%
58.0%	2,391	2,361	-29	-1.2%
59.3%	2,361	2,320	-41	-1.7%
60.5%	2,320	2,320	0	0.0%
61.7%	2,297	2,286	-10	-0.4%
63.0%	2,258	2,231	-27	-1.2%
64.2%	2,176	2,176	0	0.0%
65.4%	2,164	2,164	0	0.0%
66.7%	2,119	2,119	0	0.0%
67.9%	2,116	2,116	0	0.0%
69.1%	2,073	2,072	-1	0.0%
70.4%	2,047	2,047	0	0.0%
71.6%	1,960	1,958	-2	-0.1%
72.8%	1,931	1,896	-35	-1.8%
74.1%	1,750	1,750	0	0.0%
75.3%	1,696	1,696	0	0.0%
76.5%	1,672	1,672	0	0.0%
77.8%	1,672	1,672	0	0.0%
79.0%	1,672	1,672	0	0.0%
80.2%	1,672	1,672	0	0.0%
81.5%	1,672	1,672	0	0.0%
82.7%	1,672	1,672	0	0.0%
84.0%	1,672	1,672	0	0.0%
85.2%	1,672	1,672	0	0.0%
86.4%	1,672	1,672	0	0.0%
87.7%	1,672	1,672	0	0.0%
88.9%	1,672	1,672	0	0.0%
90.1%	1,672	1,672	0	0.0%
91.4%	1,580	1,580	0	0.0%
92.6%	1,571	1,571	0	0.0%
93.8%	1,422	1,422	0	0.0%
95.1%	1,422	1,422	0	0.0%
96.3%	1,324	1,324	0	0.0%
97.5%	1,205	1,205	0	0.0%
98.8%	1,205	1,205	0	0.0%
100.0%	1,170	1,170	0	0.0%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,060	18,051	-9	-0.1%
1.2%	17,872	17,859	-13	-0.1%
2.5%	12,132	12,120	-12	-0.1%
3.7%	11,231	11,230	-1	0.0%
4.9%	8,391	8,378	-14	-0.2%
6.2%	7,826	7,819	-7	-0.1%
7.4%	7,797	7,779	-18	-0.2%
8.6%	6,678	6,668	-10	-0.1%
9.9%	6,508	6,496	-12	-0.2%
11.1%	6,430	6,421	-9	-0.1%
12.3%	6,071	6,059	-12	-0.2%
13.6%	5,129	5,117	-12	-0.2%
14.8%	3,925	3,925	0	0.0%
16.0%	3,816	3,816	0	0.0%
17.3%	3,565	3,565	0	0.0%
18.5%	3,561	3,304	-257	-7.2%
19.8%	3,325	3,242	-82	-2.5%
21.0%	3,257	3,234	-23	-0.7%
22.2%	3,044	3,159	115	3.8%
23.5%	2,986	3,042	56	1.9%
24.7%	2,972	2,931	-42	-1.4%
25.9%	2,882	2,878	-4	-0.1%
27.2%	2,878	2,876	-2	-0.1%
28.4%	2,832	2,818	-14	-0.5%
29.6%	2,779	2,777	-2	-0.1%
30.9%	2,767	2,751	-16	-0.6%
32.1%	2,687	2,646	-42	-1.5%
33.3%	2,502	2,500	-1	-0.1%
34.6%	2,490	2,463	-27	-1.1%
35.8%	2,429	2,426	-3	-0.1%
37.0%	2,422	2,424	2	0.1%
38.3%	2,408	2,350	-58	-2.4%
39.5%	2,343	2,248	-95	-4.1%
40.7%	2,270	2,231	-39	-1.7%
42.0%	2,223	2,185	-38	-1.7%
43.2%	2,192	2,160	-33	-1.5%
44.4%	2,171	2,138	-32	-1.5%
45.7%	2,138	2,138	0	0.0%
46.9%	2,138	2,092	-46	-2.1%
48.1%	2,092	2,039	-54	-2.6%
49.4%	2,041	1,985	-56	-2.7%
50.6%	2,015	1,954	-61	-3.0%
51.9%	1,954	1,951	-3	-0.2%
53.1%	1,951	1,888	-62	-3.2%
54.3%	1,932	1,787	-145	-7.5%
55.6%	1,888	1,764	-124	-6.6%
56.8%	1,837	1,760	-77	-4.2%
58.0%	1,788	1,750	-38	-2.1%
59.3%	1,775	1,748	-27	-1.5%
60.5%	1,774	1,736	-38	-2.1%
61.7%	1,767	1,702	-65	-3.7%
63.0%	1,739	1,651	-88	-5.1%
64.2%	1,730	1,651	-79	-4.6%
65.4%	1,651	1,651	0	0.0%
66.7%	1,651	1,651	0	0.0%
67.9%	1,651	1,651	0	0.0%
69.1%	1,651	1,651	0	0.0%
70.4%	1,651	1,651	0	0.0%
71.6%	1,651	1,651	0	0.0%
72.8%	1,651	1,651	0	0.0%
74.1%	1,651	1,651	0	0.0%
75.3%	1,651	1,651	0	0.0%
76.5%	1,651	1,651	0	0.0%
77.8%	1,651	1,651	0	0.0%
79.0%	1,651	1,651	0	0.0%
80.2%	1,651	1,651	0	0.0%
81.5%	1,651	1,651	0	0.0%
82.7%	1,651	1,651	0	0.0%
84.0%	1,651	1,651	0	0.0%
85.2%	1,651	1,651	0	0.0%
86.4%	1,651	1,651	0	0.0%
87.7%	1,651	1,651	0	0.0%
88.9%	1,651	1,622	-29	-1.7%
90.1%	1,651	1,515	-136	-8.2%
91.4%	1,622	1,512	-110	-6.8%
92.6%	1,595	1,401	-195	-12.2%
93.8%	1,583	1,401	-182	-11.5%
95.1%	1,515	1,401	-114	-7.5%
96.3%	1,421	1,254	-167	-11.7%
97.5%	1,401	1,216	-184	-13.1%
98.8%	1,401	1,208	-192	-13.7%
100.0%	1,117	1,066	-51	-4.5%

Table SW-46-b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,440	8,427	-13	-0.2%
1.2%	8,029	8,025	-4	0.0%
2.5%	6,242	5,488	-754	-12.1%
3.7%	6,138	5,383	-755	-12.3%
4.9%	5,395	5,091	-304	-5.6%
6.2%	5,249	4,996	-253	-4.8%
7.4%	4,954	4,946	-8	-0.2%
8.6%	4,945	4,932	-13	-0.3%
9.9%	4,823	4,811	-12	-0.2%
11.1%	4,821	4,809	-12	-0.2%
12.3%	4,819	4,619	-200	-4.2%
13.6%	4,620	4,583	-37	-0.8%
14.8%	4,609	4,509	-99	-2.2%
16.0%	4,570	4,497	-73	-1.6%
17.3%	4,362	4,379	16	0.4%
18.5%	4,290	4,319	30	0.7%
19.8%	4,204	4,170	-34	-0.8%
21.0%	4,186	4,053	-133	-3.2%
22.2%	4,178	3,997	-180	-4.3%
23.5%	4,145	3,976	-170	-4.1%
24.7%	4,112	3,873	-239	-5.8%
25.9%	4,097	3,848	-249	-6.1%
27.2%	4,082	3,803	-279	-6.8%
28.4%	4,038	3,795	-243	-6.0%
29.6%	4,000	3,691	-309	-7.7%
30.9%	3,959	3,639	-319	-8.1%
32.1%	3,911	3,614	-296	-7.6%
33.3%	3,899	3,370	-529	-13.6%
34.6%	3,889	3,358	-531	-13.7%
35.8%	3,889	3,172	-717	-18.4%
37.0%	3,859	3,149	-710	-18.4%
38.3%	3,849	3,112	-737	-19.1%
39.5%	3,797	3,096	-701	-18.5%
40.7%	3,784	3,084	-699	-18.5%
42.0%	3,752	3,071	-682	-18.2%
43.2%	3,713	3,069	-644	-17.4%
44.4%	3,711	3,024	-687	-18.5%
45.7%	3,629	2,887	-742	-20.5%
46.9%	3,588	2,821	-767	-21.4%
48.1%	3,580	2,796	-784	-21.9%
49.4%	3,549	2,770	-780	-22.0%
50.6%	3,448	2,699	-749	-21.7%
51.9%	3,443	2,656	-787	-22.9%
53.1%	3,442	2,656	-786	-22.8%
54.3%	3,393	2,656	-737	-21.7%
55.6%	3,392	2,656	-736	-21.7%
56.8%	3,356	2,656	-700	-20.8%
58.0%	3,315	2,656	-659	-19.9%
59.3%	3,295	2,656	-639	-19.4%
60.5%	3,186	2,656	-530	-16.6%
61.7%	3,170	2,656	-514	-16.2%
63.0%	3,153	2,656	-496	-15.7%
64.2%	3,100	2,655	-445	-14.4%
65.4%	2,993	2,639	-354	-11.8%
66.7%	2,876	2,639	-237	-8.2%
67.9%	2,846	2,637	-209	-7.3%
69.1%	2,813	2,615	-199	-7.1%
70.4%	2,777	2,610	-166	-6.0%
71.6%	2,643	2,593	-50	-1.9%
72.8%	2,517	2,593	76	3.0%
74.1%	2,513	2,587	74	2.9%
75.3%	2,489	2,576	86	3.5%
76.5%	2,420	2,545	125	5.2%
77.8%	2,416	2,534	118	4.9%
79.0%	2,410	2,510	100	4.1%
80.2%	2,363	2,479	116	4.9%
81.5%	2,347	2,393	46	2.0%
82.7%	2,328	2,392	63	2.7%
84.0%	2,321	2,361	40	1.7%
85.2%	1,947	2,358	412	21.2%
86.4%	1,869	2,125	257	13.7%
87.7%	1,847	2,104	258	14.0%
88.9%	1,657	1,993	337	20.3%
90.1%	1,656	1,880	224	13.5%
91.4%	1,656	1,874	218	13.1%
92.6%	1,656	1,831	175	10.5%
93.8%	1,656	1,539	-117	-7.1%
95.1%	1,656	1,500	-156	-9.4%
96.3%	1,656	1,458	-198	-12.0%
97.5%	1,656	1,349	-307	-18.5%
98.8%	1,540	1,308	-232	-15.0%
100.0%	972	1,206	234	24.1%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,600	10,477	-123	-1.2%
1.2%	10,600	10,444	-157	-1.5%
2.5%	10,600	10,417	-183	-1.7%
3.7%	10,573	10,388	-185	-1.8%
4.9%	10,535	10,351	-184	-1.7%
6.2%	10,486	10,336	-150	-1.4%
7.4%	10,438	10,091	-347	-3.3%
8.6%	10,382	10,023	-359	-3.5%
9.9%	10,350	9,921	-429	-4.1%
11.1%	10,324	9,876	-448	-4.3%
12.3%	10,292	9,837	-455	-4.4%
13.6%	10,209	9,807	-402	-3.9%
14.8%	10,178	9,724	-454	-4.5%
16.0%	10,167	9,694	-473	-4.7%
17.3%	10,130	9,684	-446	-4.4%
18.5%	10,046	9,584	-462	-4.6%
19.8%	9,976	9,562	-414	-4.1%
21.0%	9,964	9,432	-532	-5.3%
22.2%	9,959	9,422	-537	-5.4%
23.5%	9,912	9,405	-507	-5.1%
24.7%	9,880	9,373	-506	-5.1%
25.9%	9,784	9,289	-494	-5.1%
27.2%	9,757	9,245	-512	-5.2%
28.4%	9,747	9,236	-510	-5.2%
29.6%	9,693	9,176	-517	-5.3%
30.9%	9,681	9,075	-606	-6.3%
32.1%	9,657	9,017	-641	-6.6%
33.3%	9,589	8,871	-719	-7.5%
34.6%	9,567	8,869	-698	-7.3%
35.8%	9,556	8,822	-734	-7.7%
37.0%	9,555	8,805	-750	-7.8%
38.3%	9,550	8,801	-749	-7.8%
39.5%	9,471	8,745	-726	-7.7%
40.7%	9,453	8,651	-802	-8.5%
42.0%	9,424	8,621	-803	-8.5%
43.2%	9,411	8,589	-822	-8.7%
44.4%	9,390	8,554	-836	-8.9%
45.7%	9,364	8,544	-819	-8.8%
46.9%	9,360	8,442	-918	-9.8%
48.1%	9,309	8,438	-871	-9.4%
49.4%	9,214	8,314	-900	-9.8%
50.6%	9,206	8,279	-927	-10.1%
51.9%	9,204	8,260	-944	-10.3%
53.1%	9,188	8,256	-931	-10.1%
54.3%	9,186	8,235	-951	-10.4%
55.6%	9,148	8,206	-942	-10.3%
56.8%	9,063	8,195	-868	-9.6%
58.0%	9,060	8,194	-865	-9.6%
59.3%	9,030	8,177	-853	-9.4%
60.5%	9,018	8,165	-853	-9.5%
61.7%	8,986	8,141	-845	-9.4%
63.0%	8,966	8,061	-906	-10.1%
64.2%	8,955	8,025	-930	-10.4%
65.4%	8,938	7,951	-987	-11.0%
66.7%	8,789	7,950	-839	-9.5%
67.9%	8,783	7,876	-907	-10.3%
69.1%	8,630	7,829	-801	-9.3%
70.4%	8,552	7,761	-791	-9.2%
71.6%	8,469	7,526	-942	-11.1%
72.8%	7,849	7,501	-348	-4.4%
74.1%	7,597	7,461	-136	-1.8%
75.3%	7,123	7,375	251	3.5%
76.5%	6,623	7,253	630	9.5%
77.8%	6,102	7,243	1,141	18.7%
79.0%	5,629	7,202	1,572	27.9%
80.2%	5,516	6,924	1,408	25.5%
81.5%	5,480	6,624	1,144	20.9%
82.7%	4,715	6,413	1,698	36.0%
84.0%	4,598	6,206	1,608	35.0%
85.2%	3,745	5,540	1,795	47.9%
86.4%	3,608	4,847	1,238	34.3%
87.7%	3,025	4,101	1,076	35.6%
88.9%	2,810	3,899	1,089	38.7%
90.1%	2,754	3,288	534	19.4%
91.4%	2,650	3,001	351	13.2%
92.6%	2,403	2,947	544	22.6%
93.8%	2,402	2,401	-1	0.0%
95.1%	2,387	2,087	-300	-12.6%
96.3%	2,129	1,707	-422	-19.8%
97.5%	1,816	1,695	-121	-6.6%
98.8%	1,560	1,542	-18	-1.1%
100.0%	1,405	1,495	90	6.4%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,390	9,390	0	0.0%
1.2%	9,280	9,226	-54	-0.6%
2.5%	9,080	8,865	-216	-2.4%
3.7%	8,883	8,828	-55	-0.6%
4.9%	8,866	8,771	-95	-1.1%
6.2%	8,810	8,723	-86	-1.0%
7.4%	8,776	8,623	-153	-1.7%
8.6%	8,771	8,603	-167	-1.9%
9.9%	8,660	8,526	-134	-1.5%
11.1%	8,602	8,525	-77	-0.9%
12.3%	8,549	8,512	-37	-0.4%
13.6%	8,542	8,439	-104	-1.2%
14.8%	8,534	8,277	-257	-3.0%
16.0%	8,533	8,260	-272	-3.2%
17.3%	8,465	8,239	-226	-2.7%
18.5%	8,393	8,155	-238	-2.8%
19.8%	8,293	7,990	-303	-3.7%
21.0%	8,244	7,989	-255	-3.1%
22.2%	8,242	7,928	-314	-3.8%
23.5%	8,240	7,897	-343	-4.2%
24.7%	8,195	7,895	-300	-3.7%
25.9%	8,189	7,834	-356	-4.3%
27.2%	8,147	7,812	-335	-4.1%
28.4%	8,074	7,801	-274	-3.4%
29.6%	8,052	7,702	-349	-4.3%
30.9%	8,037	7,630	-408	-5.1%
32.1%	7,994	7,571	-423	-5.3%
33.3%	7,936	7,539	-397	-5.0%
34.6%	7,860	7,487	-373	-4.7%
35.8%	7,819	7,416	-403	-5.2%
37.0%	7,816	7,308	-508	-6.5%
38.3%	7,743	7,248	-495	-6.4%
39.5%	7,694	6,993	-701	-9.1%
40.7%	7,468	6,945	-524	-7.0%
42.0%	7,467	6,935	-533	-7.1%
43.2%	7,348	6,915	-433	-5.9%
44.4%	7,228	6,682	-547	-7.6%
45.7%	7,159	6,680	-479	-6.7%
46.9%	7,094	6,554	-540	-7.6%
48.1%	7,075	6,496	-580	-8.2%
49.4%	7,050	6,470	-581	-8.2%
50.6%	7,009	6,379	-630	-9.0%
51.9%	6,948	6,342	-606	-8.7%
53.1%	6,922	6,279	-643	-9.3%
54.3%	6,675	6,123	-552	-8.3%
55.6%	6,495	6,065	-430	-6.6%
56.8%	6,372	6,062	-310	-4.9%
58.0%	6,294	6,052	-243	-3.9%
59.3%	5,776	5,982	206	3.6%
60.5%	5,510	5,956	445	8.1%
61.7%	5,487	5,678	190	3.5%
63.0%	5,309	5,555	247	4.6%
64.2%	5,302	5,223	-78	-1.5%
65.4%	5,191	4,940	-251	-4.8%
66.7%	5,110	4,739	-371	-7.3%
67.9%	4,298	4,734	436	10.1%
69.1%	4,080	4,436	356	8.7%
70.4%	4,049	4,262	213	5.3%
71.6%	3,745	4,024	280	7.5%
72.8%	3,239	3,815	576	17.8%
74.1%	3,180	3,631	451	14.2%
75.3%	3,005	3,564	559	18.6%
76.5%	2,716	3,460	744	27.4%
77.8%	2,589	3,432	843	32.6%
79.0%	2,527	3,203	676	26.7%
80.2%	2,524	3,075	551	21.8%
81.5%	2,477	2,606	129	5.2%
82.7%	2,457	2,358	-99	-4.0%
84.0%	2,435	1,796	-639	-26.2%
85.2%	2,358	1,712	-647	-27.4%
86.4%	2,257	1,571	-686	-30.4%
87.7%	2,232	1,532	-700	-31.4%
88.9%	1,973	1,457	-516	-26.2%
90.1%	1,786	1,400	-386	-21.6%
91.4%	1,761	1,397	-364	-20.7%
92.6%	1,739	1,372	-367	-21.1%
93.8%	1,731	1,370	-361	-20.9%
95.1%	1,548	1,369	-179	-11.5%
96.3%	1,491	1,289	-203	-13.6%
97.5%	1,453	1,240	-213	-14.7%
98.8%	1,368	1,234	-134	-9.8%
100.0%	1,046	1,225	178	17.0%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,775	10,775	0	0.0%
1.2%	10,085	10,284	198	2.0%
2.5%	10,010	9,923	-87	-0.9%
3.7%	10,005	9,814	-191	-1.9%
4.9%	9,977	9,800	-177	-1.8%
6.2%	9,884	9,770	-114	-1.2%
7.4%	9,785	9,769	-15	-0.2%
8.6%	9,752	9,739	-13	-0.1%
9.9%	9,550	9,630	80	0.8%
11.1%	9,546	9,360	-186	-1.9%
12.3%	9,363	9,181	-182	-1.9%
13.6%	9,355	9,121	-234	-2.5%
14.8%	9,314	8,966	-348	-3.7%
16.0%	8,883	8,647	-235	-2.7%
17.3%	8,665	8,594	-72	-0.8%
18.5%	8,535	8,504	-31	-0.4%
19.8%	8,295	8,284	-11	-0.1%
21.0%	8,253	8,263	10	0.1%
22.2%	8,120	8,179	59	0.7%
23.5%	7,554	7,940	386	5.1%
24.7%	7,549	7,751	202	2.7%
25.9%	7,509	7,412	-97	-1.3%
27.2%	7,221	7,396	175	2.4%
28.4%	6,813	6,817	4	0.1%
29.6%	6,748	6,802	55	0.8%
30.9%	6,613	6,292	-321	-4.8%
32.1%	6,466	6,230	-236	-3.7%
33.3%	6,241	6,210	-31	-0.5%
34.6%	6,122	6,024	-98	-1.6%
35.8%	6,113	5,802	-311	-5.1%
37.0%	5,818	5,643	-174	-3.0%
38.3%	5,797	5,621	-176	-3.0%
39.5%	5,786	5,447	-339	-5.9%
40.7%	5,734	5,321	-412	-7.2%
42.0%	5,539	5,079	-460	-8.3%
43.2%	5,317	5,040	-277	-5.2%
44.4%	5,262	4,876	-386	-7.3%
45.7%	4,940	4,873	-67	-1.4%
46.9%	4,938	4,728	-210	-4.3%
48.1%	4,733	4,624	-109	-2.3%
49.4%	4,711	4,549	-162	-3.4%
50.6%	4,702	4,415	-287	-6.1%
51.9%	4,433	4,296	-137	-3.1%
53.1%	4,411	4,283	-128	-2.9%
54.3%	4,407	3,900	-507	-11.5%
55.6%	4,040	3,823	-217	-5.4%
56.8%	3,780	3,809	29	0.8%
58.0%	3,352	3,797	444	13.2%
59.3%	3,296	3,771	475	14.4%
60.5%	2,771	3,693	923	33.3%
61.7%	2,619	3,685	1,065	40.7%
63.0%	2,608	3,591	983	37.7%
64.2%	2,591	3,557	965	37.2%
65.4%	2,528	3,322	794	31.4%
66.7%	2,510	3,174	664	26.4%
67.9%	2,443	2,876	433	17.7%
69.1%	2,337	2,684	347	14.8%
70.4%	2,119	2,655	537	25.3%
71.6%	2,095	2,475	380	18.2%
72.8%	2,075	2,373	298	14.4%
74.1%	2,002	2,350	348	17.4%
75.3%	1,940	2,348	409	21.1%
76.5%	1,937	2,318	381	19.7%
77.8%	1,891	2,283	393	20.8%
79.0%	1,771	2,266	495	27.9%
80.2%	1,767	2,188	421	23.8%
81.5%	1,722	2,163	441	25.6%
82.7%	1,689	2,096	406	24.0%
84.0%	1,631	2,090	459	28.2%
85.2%	1,629	2,063	434	26.6%
86.4%	1,625	1,996	372	22.9%
87.7%	1,567	1,851	285	18.2%
88.9%	1,482	1,833	352	23.7%
90.1%	1,481	1,792	312	21.1%
91.4%	1,444	1,601	157	10.9%
92.6%	1,406	1,561	156	11.1%
93.8%	1,388	1,541	153	11.1%
95.1%	1,384	1,504	120	8.7%
96.3%	1,383	1,406	23	1.7%
97.5%	1,283	1,388	104	8.1%
98.8%	1,209	1,384	175	14.5%
100.0%	1,166	1,193	27	2.3%

Figure SW-47-b
American River at Mouth, Monthly Flow
Probability of Exceedance

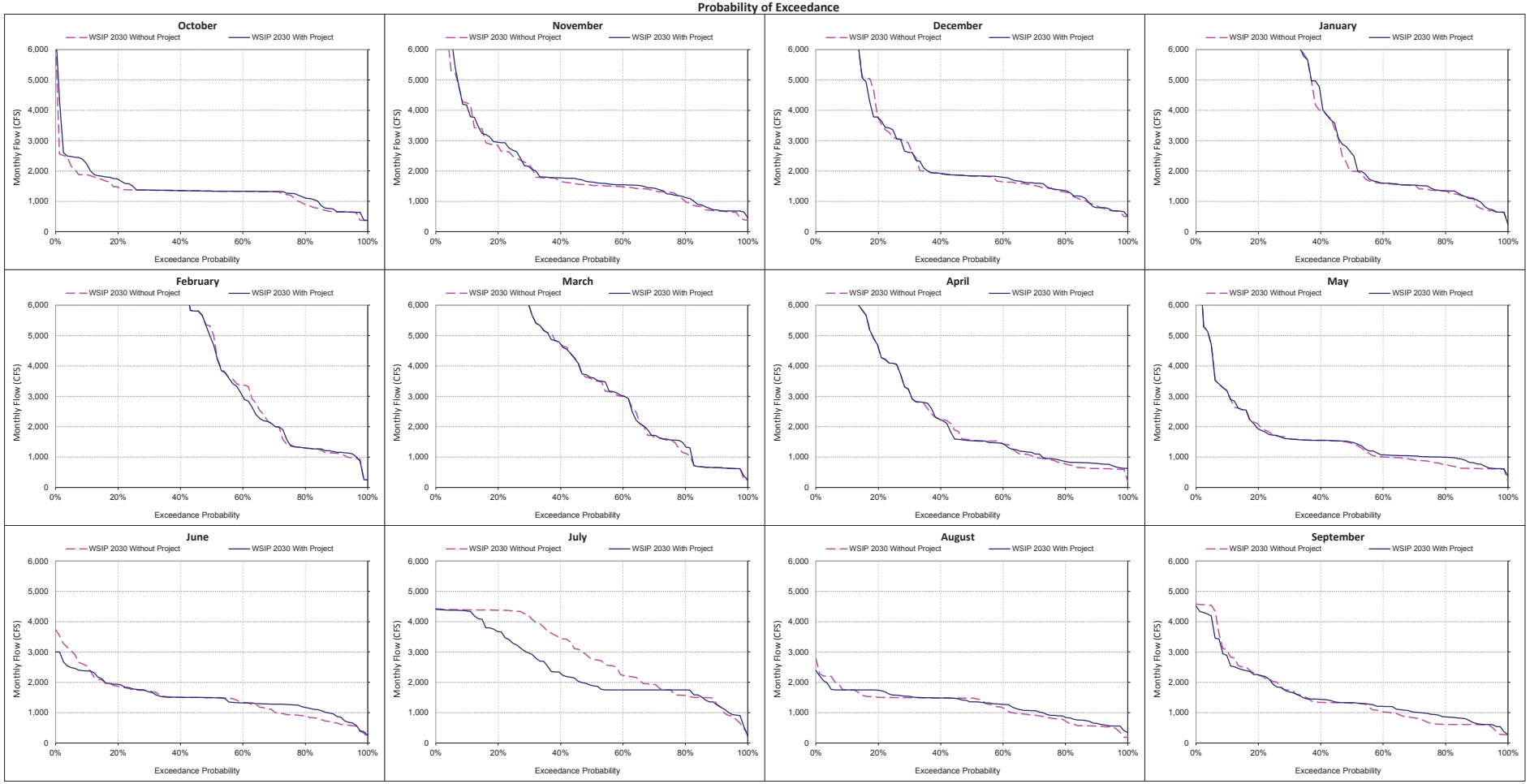


Table SW-47-b

American River at Mouth, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,213	6,668	455	7.3%
1.2%	2,556	4,300	1,745	68.3%
2.5%	2,511	2,611	100	4.0%
3.7%	2,474	2,492	19	0.8%
4.9%	2,169	2,477	308	14.2%
6.2%	2,042	2,452	410	20.1%
7.4%	1,879	2,448	569	30.3%
8.6%	1,879	2,381	502	26.7%
9.9%	1,879	2,242	363	19.3%
11.1%	1,849	2,015	166	9.0%
12.3%	1,799	1,879	80	4.5%
13.6%	1,756	1,849	92	5.2%
14.8%	1,721	1,829	108	6.3%
16.0%	1,666	1,805	139	8.4%
17.3%	1,645	1,790	144	8.8%
18.5%	1,480	1,755	275	18.5%
19.8%	1,479	1,746	267	18.0%
21.0%	1,399	1,662	263	18.8%
22.2%	1,383	1,585	202	14.6%
23.5%	1,378	1,578	200	14.5%
24.7%	1,377	1,503	125	9.1%
25.9%	1,376	1,378	2	0.2%
27.2%	1,375	1,376	1	0.1%
28.4%	1,372	1,373	1	0.1%
29.6%	1,370	1,370	0	0.0%
30.9%	1,370	1,370	0	0.0%
32.1%	1,364	1,368	4	0.3%
33.3%	1,363	1,367	4	0.3%
34.6%	1,361	1,366	5	0.4%
35.8%	1,360	1,366	6	0.4%
37.0%	1,352	1,363	11	0.8%
38.3%	1,348	1,361	14	1.0%
39.5%	1,347	1,360	12	0.9%
40.7%	1,347	1,356	9	0.7%
42.0%	1,346	1,351	6	0.4%
43.2%	1,345	1,348	4	0.3%
44.4%	1,344	1,347	3	0.2%
45.7%	1,343	1,346	4	0.3%
46.9%	1,340	1,341	1	0.1%
48.1%	1,338	1,338	0	0.0%
49.4%	1,338	1,336	-1	-0.1%
50.6%	1,337	1,336	-2	-0.1%
51.9%	1,336	1,335	-1	0.0%
53.1%	1,335	1,334	-1	0.0%
54.3%	1,333	1,333	0	0.0%
55.6%	1,333	1,333	1	0.1%
56.8%	1,332	1,332	0	0.0%
58.0%	1,332	1,332	0	0.0%
59.3%	1,331	1,332	1	0.1%
60.5%	1,329	1,331	1	0.1%
61.7%	1,329	1,329	0	0.0%
63.0%	1,329	1,328	-1	-0.1%
64.2%	1,329	1,327	-1	-0.1%
65.4%	1,327	1,326	-1	-0.1%
66.7%	1,327	1,326	-1	-0.1%
67.9%	1,323	1,326	3	0.2%
69.1%	1,321	1,325	4	0.3%
70.4%	1,315	1,325	10	0.8%
71.6%	1,310	1,322	12	0.9%
72.8%	1,242	1,321	79	6.4%
74.1%	1,220	1,266	45	3.7%
75.3%	1,201	1,264	63	5.3%
76.5%	1,103	1,254	151	13.6%
77.8%	1,002	1,199	197	19.7%
79.0%	949	1,154	205	21.6%
80.2%	875	1,099	224	25.5%
81.5%	850	1,091	240	28.3%
82.7%	796	1,054	259	32.5%
84.0%	776	1,002	227	29.2%
85.2%	738	850	112	15.2%
86.4%	700	772	73	10.4%
87.7%	667	769	102	15.4%
88.9%	663	752	89	13.4%
90.1%	653	659	7	1.0%
91.4%	652	653	1	0.1%
92.6%	650	652	2	0.3%
93.8%	647	651	4	0.5%
95.1%	642	642	0	0.1%
96.3%	637	638	1	0.2%
97.5%	375	634	259	69.1%
98.8%	375	375	0	0.0%
100.0%	375	375	0	0.0%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,330	21,669	1,339	6.6%
1.2%	15,359	14,582	-777	-5.1%
2.5%	8,049	8,783	734	9.1%
3.7%	6,457	7,439	982	15.2%
4.9%	5,287	6,420	1,133	21.4%
6.2%	5,244	5,427	183	3.5%
7.4%	4,772	4,772	1	0.0%
8.6%	4,276	4,196	-79	-1.9%
9.9%	4,246	4,177	-69	-1.6%
11.1%	4,181	3,786	-396	-9.5%
12.3%	3,425	3,773	348	10.2%
13.6%	3,412	3,465	53	1.5%
14.8%	3,395	3,233	-162	-4.8%
16.0%	2,932	3,208	277	9.4%
17.3%	2,891	3,118	227	7.8%
18.5%	2,859	2,968	109	3.8%
19.8%	2,856	2,951	95	3.3%
21.0%	2,648	2,936	288	10.9%
22.2%	2,642	2,934	292	11.1%
23.5%	2,633	2,758	126	4.8%
24.7%	2,490	2,686	196	7.9%
25.9%	2,427	2,630	203	8.4%
27.2%	2,350	2,411	62	2.6%
28.4%	2,295	2,171	-124	-5.4%
29.6%	2,231	2,165	-66	-3.0%
30.9%	2,099	2,053	-46	-2.2%
32.1%	1,797	2,000	203	11.3%
33.3%	1,787	1,811	24	1.3%
34.6%	1,775	1,802	27	1.5%
35.8%	1,773	1,797	24	1.3%
37.0%	1,773	1,773	0	0.0%
38.3%	1,766	1,773	7	0.4%
39.5%	1,674	1,773	99	5.9%
40.7%	1,638	1,767	129	7.9%
42.0%	1,624	1,762	138	8.5%
43.2%	1,605	1,760	155	9.7%
44.4%	1,589	1,757	169	10.6%
45.7%	1,563	1,726	163	10.4%
46.9%	1,556	1,707	151	9.7%
48.1%	1,547	1,658	112	7.2%
49.4%	1,540	1,640	99	6.4%
50.6%	1,519	1,629	110	7.2%
51.9%	1,519	1,605	87	5.7%
53.1%	1,517	1,593	76	5.0%
54.3%	1,510	1,589	79	5.2%
55.6%	1,506	1,568	62	4.1%
56.8%	1,497	1,555	58	3.8%
58.0%	1,492	1,546	54	3.6%
59.3%	1,487	1,544	57	3.8%
60.5%	1,469	1,542	72	4.9%
61.7%	1,464	1,538	74	5.1%
63.0%	1,453	1,535	82	5.6%
64.2%	1,423	1,526	103	7.2%
65.4%	1,423	1,517	94	6.6%
66.7%	1,416	1,496	80	5.6%
67.9%	1,403	1,448	45	3.2%
69.1%	1,375	1,446	72	5.2%
70.4%	1,334	1,424	91	6.8%
71.6%	1,319	1,385	66	5.0%
72.8%	1,316	1,348	32	2.4%
74.1%	1,307	1,249	-58	-4.5%
75.3%	1,298	1,239	-60	-4.6%
76.5%	1,265	1,206	-59	-4.7%
77.8%	1,169	1,190	21	1.8%
79.0%	1,087	1,157	70	6.5%
80.2%	973	1,121	148	15.2%
81.5%	939	1,090	151	16.1%
82.7%	859	1,005	147	17.1%
84.0%	833	893	60	7.2%
85.2%	830	888	59	7.1%
86.4%	720	819	99	13.7%
87.7%	711	776	65	9.2%
88.9%	694	720	26	3.7%
90.1%	680	711	32	4.7%
91.4%	679	691	12	1.8%
92.6%	667	682	15	2.3%
93.8%	648	681	33	5.1%
95.1%	643	680	37	5.7%
96.3%	639	679	40	6.3%
97.5%	447	679	232	51.9%
98.8%	391	649	257	65.7%
100.0%	375	447	72	19.2%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,204	21,648	444	2.1%
1.2%	20,416	20,575	159	0.8%
2.5%	20,308	20,406	98	0.5%
3.7%	19,439	19,658	219	1.1%
4.9%	19,154	19,160	7	0.0%
6.2%	17,470	17,464	-6	0.0%
7.4%	17,421	17,410	-11	-0.1%
8.6%	13,391	13,379	-12	-0.1%
9.9%	13,093	12,638	-454	-3.5%
11.1%	9,187	9,202	15	0.2%
12.3%	8,331	7,326	-1,005	-12.1%
13.6%	6,159	6,156	-3	0.0%
14.8%	5,114	5,072	-42	-0.8%
16.0%	5,063	4,937	-126	-2.5%
17.3%	5,039	4,297	-742	-14.7%
18.5%	4,673	3,783	-890	-19.0%
19.8%	3,791	3,779	-11	-0.3%
21.0%	3,547	3,651	104	2.9%
22.2%	3,360	3,436	76	2.3%
23.5%	3,276	3,419	143	4.4%
24.7%	3,119	3,358	239	7.7%
25.9%	3,052	3,064	12	0.4%
27.2%	3,047	3,047	0	0.0%
28.4%	2,990	2,658	-332	-11.1%
29.6%	2,924	2,615	-309	-10.6%
30.9%	2,603	2,606	2	0.1%
32.1%	2,428	2,349	-80	-3.3%
33.3%	2,007	2,325	319	15.9%
34.6%	2,000	2,106	106	5.3%
35.8%	2,000	2,000	0	0.0%
37.0%	1,938	1,938	0	0.0%
38.3%	1,938	1,934	-4	-0.2%
39.5%	1,935	1,931	-4	-0.2%
40.7%	1,917	1,898	-19	-1.0%
42.0%	1,898	1,877	-22	-1.1%
43.2%	1,877	1,872	-5	-0.3%
44.4%	1,869	1,870	1	0.1%
45.7%	1,867	1,859	-7	-0.4%
46.9%	1,859	1,859	0	0.0%
48.1%	1,834	1,846	12	0.6%
49.4%	1,832	1,841	9	0.5%
50.6%	1,832	1,838	5	0.3%
51.9%	1,831	1,836	4	0.2%
53.1%	1,830	1,835	5	0.3%
54.3%	1,826	1,830	4	0.2%
55.6%	1,809	1,829	20	1.1%
56.8%	1,807	1,827	21	1.2%
58.0%	1,667	1,822	154	9.3%
59.3%	1,654	1,804	150	9.1%
60.5%	1,636	1,787	151	9.3%
61.7%	1,634	1,768	134	8.2%
63.0%	1,631	1,710	79	4.8%
64.2%	1,600	1,673	73	4.6%
65.4%	1,597	1,663	67	4.2%
66.7%	1,592	1,628	36	2.2%
67.9%	1,560	1,613	53	3.4%
69.1%	1,550	1,613	63	4.0%
70.4%	1,514	1,600	86	5.7%
71.6%	1,488	1,597	109	7.3%
72.8%	1,439	1,579	140	9.7%
74.1%	1,437	1,468	32	2.2%
75.3%	1,429	1,430	0	0.0%
76.5%	1,387	1,402	15	1.1%
77.8%	1,332	1,384	51	3.8%
79.0%	1,317	1,368	51	3.9%
80.2%	1,294	1,345	51	3.9%
81.5%	1,278	1,276	-2	-0.2%
82.7%	1,142	1,179	38	3.3%
84.0%	1,103	1,179	76	6.8%
85.2%	1,035	1,158	123	11.9%
86.4%	1,023	1,094	70	6.9%
87.7%	936	944	8	0.9%
88.9%	908	814	-94	-10.3%
90.1%	847	794	-53	-6.3%
91.4%	790	790	0	0.0%
92.6%	755	788	33	4.4%
93.8%	693	754	61	8.8%
95.1%	689	693	4	0.6%
96.3%	680	683	3	0.5%
97.5%	651	677	27	4.1%
98.8%	500	651	151	30.2%
100.0%	500	500	0	0.0%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,570	35,568	-2	0.0%
1.2%	30,060	29,994	-67	-0.2%
2.5%	25,352	25,348	-4	0.0%
3.7%	22,854	22,857	3	0.0%
4.9%	22,549	22,548	-1	0.0%
6.2%	20,943	20,941	-2	0.0%
7.4%	19,735	20,086	351	1.8%
8.6%	17,214	17,214	0	0.0%
9.9%	15,073	14,966	-108	-0.7%
11.1%	14,968	14,853	-115	-0.8%
12.3%	14,259	14,257	-2	0.0%
13.6%	13,595	13,595	0	0.0%
14.8%	10,917	10,918	1	0.0%
16.0%	10,441	10,440	-1	0.0%
17.3%	10,432	10,432	0	0.0%
18.5%	9,889	9,890	0	0.0%
19.8%	9,466	9,474	9	0.1%
21.0%	9,324	9,322	-2	0.0%
22.2%	8,812	8,541	-271	-3.1%
23.5%	8,541	8,533	-7	-0.1%
24.7%	8,222	8,206	-17	-0.2%
25.9%	8,156	8,158	2	0.0%
27.2%	7,195	7,199	4	0.1%
28.4%	6,948	6,952	4	0.1%
29.6%	6,427	6,427	0	0.0%
30.9%	6,394	6,353	-42	-0.7%
32.1%	6,337	6,337	0	0.0%
33.3%	6,041	6,041	0	0.0%
34.6%	5,861	5,780	-81	-1.4%
35.8%	5,660	5,659	-1	0.0%
37.0%	4,942	4,971	29	0.6%
38.3%	4,188	4,966	778	18.6%
39.5%	4,010	4,781	771	19.2%
40.7%	4,003	4,011	8	0.2%
42.0%	3,838	3,840	3	0.1%
43.2%	3,737	3,688	-49	-1.3%
44.4%	3,402	3,584	182	5.3%
45.7%	3,069	3,069	0	0.0%
46.9%	2,498	2,877	379	15.2%
48.1%	2,290	2,809	519	22.7%
49.4%	2,000	2,646	646	32.3%
50.6%	1,990	2,500	510	25.6%
51.9%	1,989	2,000	11	0.6%
53.1%	1,917	1,990	73	3.8%
54.3%	1,735	1,888	153	8.8%
55.6%	1,671	1,734	63	3.8%
56.8%	1,645	1,671	26	1.6%
58.0%	1,605	1,645	41	2.5%
59.3%	1,600	1,605	5	0.3%
60.5%	1,593	1,600	7	0.5%
61.7%	1,577	1,593	16	1.0%
63.0%	1,571	1,581	10	0.6%
64.2%	1,548	1,578	29	1.9%
65.4%	1,542	1,548	6	0.4%
66.7%	1,540	1,542	2	0.1%
67.9%	1,538	1,540	1	0.1%
69.1%	1,514	1,538	24	1.6%
70.4%	1,514	1,534	20	1.3%
71.6%	1,407	1,521	114	8.1%
72.8%	1,405	1,514	109	7.8%
74.1%	1,403	1,514	112	8.0%
75.3%	1,366	1,437	71	5.2%
76.5%	1,362	1,386	24	1.8%
77.8%	1,344	1,366	21	1.6%
79.0%	1,341	1,348	7	0.5%
80.2%	1,340	1,344	5	0.4%
81.5%	1,259	1,343	84	6.6%
82.7%	1,251	1,340	88	7.1%
84.0%	1,227	1,280	53	4.3%
85.2%	1,185	1,205	19	1.6%
86.4%	1,178	1,153	-25	-2.2%
87.7%	1,125	1,093	-31	-2.8%
88.9%	1,111	1,091	-20	-1.8%
90.1%	820	1,042	222	27.0%
91.4%	769	976	207	27.0%
92.6%	721	825	103	14.3%
93.8%	694	753	58	8.4%
95.1%	690	721	31	4.5%
96.3%	650	650	0	0.0%
97.5%	644	644	0	0.0%
98.8%	642	639	-3	-0.5%
100.0%	250	250	0	

Table SW-47-b

American River at Mouth, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	37,257	37,258	0	0.0%
1.2%	25,474	25,474	0	0.0%
2.5%	25,290	25,283	-7	0.0%
3.7%	18,898	18,898	0	0.0%
4.9%	18,230	18,230	0	0.0%
6.2%	18,080	18,080	0	0.0%
7.4%	17,837	17,836	-2	0.0%
8.6%	17,660	17,834	174	1.0%
9.9%	17,052	17,052	0	0.0%
11.1%	16,564	16,561	-3	0.0%
12.3%	16,421	16,422	0	0.0%
13.6%	15,765	15,765	0	0.0%
14.8%	15,162	15,159	-2	0.0%
16.0%	15,140	14,883	-257	-1.7%
17.3%	13,954	13,954	0	0.0%
18.5%	13,952	13,953	1	0.0%
19.8%	13,921	13,921	0	0.0%
21.0%	12,923	12,759	-164	-1.3%
22.2%	12,762	12,392	-370	-2.9%
23.5%	11,892	11,893	2	0.0%
24.7%	11,399	11,468	69	0.6%
25.9%	10,922	10,922	0	0.0%
27.2%	10,602	10,602	0	0.0%
28.4%	10,486	10,488	2	0.0%
29.6%	8,550	8,550	0	0.0%
30.9%	8,501	8,489	-12	-0.1%
32.1%	8,057	8,057	0	0.0%
33.3%	7,065	7,067	3	0.0%
34.6%	6,978	6,978	0	0.0%
35.8%	6,919	6,921	1	0.0%
37.0%	6,759	6,759	0	0.0%
38.3%	6,737	6,737	0	0.0%
39.5%	6,705	6,720	14	0.2%
40.7%	6,548	6,643	96	1.5%
42.0%	6,472	6,472	0	0.0%
43.2%	5,830	5,827	-3	0.0%
44.4%	5,814	5,812	-2	0.0%
45.7%	5,812	5,811	0	0.0%
46.9%	5,674	5,671	-2	0.0%
48.1%	5,360	5,353	-8	-0.1%
49.4%	5,323	5,008	-315	-5.9%
50.6%	5,008	4,700	-308	-6.2%
51.9%	4,211	4,211	0	0.0%
53.1%	3,924	3,847	-78	-2.0%
54.3%	3,772	3,771	-1	0.0%
55.6%	3,597	3,597	0	0.0%
56.8%	3,561	3,412	-149	-4.2%
58.0%	3,412	3,328	-83	-2.4%
59.3%	3,365	3,123	-242	-7.2%
60.5%	3,365	2,891	-474	-14.1%
61.7%	3,326	2,841	-485	-14.6%
63.0%	2,918	2,643	-276	-9.5%
64.2%	2,771	2,401	-370	-13.4%
65.4%	2,529	2,273	-256	-10.1%
66.7%	2,401	2,195	-205	-8.6%
67.9%	2,187	2,178	-10	-0.4%
69.1%	2,102	2,102	0	0.0%
70.4%	2,000	2,000	0	0.0%
71.6%	1,989	1,990	1	0.0%
72.8%	1,570	1,899	328	20.9%
74.1%	1,423	1,570	147	10.3%
75.3%	1,407	1,364	-43	-3.0%
76.5%	1,338	1,338	0	0.0%
77.8%	1,325	1,325	0	0.0%
79.0%	1,314	1,314	0	0.0%
80.2%	1,293	1,291	-2	-0.2%
81.5%	1,282	1,282	0	0.0%
82.7%	1,269	1,271	2	0.1%
84.0%	1,266	1,269	3	0.3%
85.2%	1,220	1,266	46	3.8%
86.4%	1,138	1,209	71	6.2%
87.7%	1,138	1,204	66	5.8%
88.9%	1,134	1,179	45	3.9%
90.1%	1,124	1,159	35	3.1%
91.4%	1,103	1,157	54	4.8%
92.6%	1,044	1,136	92	8.8%
93.8%	986	1,134	148	15.0%
95.1%	969	1,103	135	13.9%
96.3%	952	1,008	57	5.9%
97.5%	931	854	-77	-8.3%
98.8%	250	250	0	
100.0%	250	250	0	

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,837	20,837	0	0.0%
1.2%	19,949	19,949	0	0.0%
2.5%	18,636	18,636	0	0.0%
3.7%	16,398	16,398	0	0.0%
4.9%	13,992	13,992	0	0.0%
6.2%	12,675	12,674	-2	0.0%
7.4%	12,540	12,541	1	0.0%
8.6%	12,039	12,039	0	0.0%
9.9%	11,890	11,890	0	0.0%
11.1%	10,924	10,910	-13	-0.1%
12.3%	9,872	9,867	-5	0.0%
13.6%	9,207	9,558	351	3.8%
14.8%	9,029	9,203	174	1.9%
16.0%	8,792	8,796	5	0.1%
17.3%	8,611	8,611	0	0.0%
18.5%	8,188	8,187	-1	0.0%
19.8%	8,180	8,179	-1	0.0%
21.0%	7,495	7,495	0	0.0%
22.2%	7,465	7,465	1	0.0%
23.5%	7,299	7,299	0	0.0%
24.7%	7,258	7,261	3	0.0%
25.9%	6,579	6,489	-91	-1.4%
27.2%	6,484	6,432	-53	-0.8%
28.4%	6,199	6,197	-2	0.0%
29.6%	6,073	6,073	0	0.0%
30.9%	5,678	5,673	-5	-0.1%
32.1%	5,412	5,411	-1	0.0%
33.3%	5,339	5,341	2	0.0%
34.6%	5,174	5,172	-2	0.0%
35.8%	5,094	5,094	0	0.0%
37.0%	5,078	4,867	-211	-4.1%
38.3%	4,832	4,832	0	0.0%
39.5%	4,789	4,789	0	0.0%
40.7%	4,644	4,617	-27	-0.6%
42.0%	4,618	4,545	-73	-1.6%
43.2%	4,406	4,406	0	0.0%
44.4%	4,266	4,266	1	0.0%
45.7%	4,082	4,082	0	0.0%
46.9%	3,711	3,735	23	0.6%
48.1%	3,629	3,711	82	2.3%
49.4%	3,601	3,629	28	0.8%
50.6%	3,519	3,603	84	2.4%
51.9%	3,502	3,521	19	0.5%
53.1%	3,478	3,502	24	0.7%
54.3%	3,170	3,478	309	9.7%
55.6%	3,156	3,169	13	0.4%
56.8%	3,119	3,155	36	1.1%
58.0%	3,037	3,109	72	2.4%
59.3%	3,000	3,041	41	1.4%
60.5%	3,000	3,000	0	0.0%
61.7%	2,926	2,927	1	0.0%
63.0%	2,606	2,478	-127	-4.9%
64.2%	2,480	2,211	-269	-10.9%
65.4%	2,095	2,095	0	0.0%
66.7%	2,017	2,017	0	0.0%
67.9%	1,715	1,905	190	11.1%
69.1%	1,714	1,715	1	0.1%
70.4%	1,636	1,714	79	4.8%
71.6%	1,632	1,631	0	0.0%
72.8%	1,593	1,593	0	0.0%
74.1%	1,556	1,591	35	2.2%
75.3%	1,542	1,556	14	0.9%
76.5%	1,492	1,556	64	4.3%
77.8%	1,308	1,549	241	18.4%
79.0%	1,155	1,493	337	29.2%
80.2%	1,117	1,328	211	18.9%
81.5%	1,043	1,303	260	25.0%
82.7%	715	715	0	0.0%
84.0%	686	686	0	0.0%
85.2%	680	680	0	0.0%
86.4%	663	663	0	0.0%
87.7%	658	658	0	0.0%
88.9%	652	654	2	0.3%
90.1%	651	649	-2	-0.2%
91.4%	650	641	-9	-1.5%
92.6%	640	633	-7	-1.1%
93.8%	633	627	-6	-0.9%
95.1%	627	615	-12	-2.0%
96.3%	615	614	-1	-0.1%
97.5%	614	613	-1	-0.1%
98.8%	250	367	117	46.8%
100.0%	250	250	0	0.0%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,987	18,987	0	0.0%
1.2%	16,641	16,642	1	0.0%
2.5%	11,559	11,556	-3	0.0%
3.7%	10,120	10,121	1	0.0%
4.9%	9,054	9,055	0	0.0%
6.2%	7,738	7,739	1	0.0%
7.4%	7,489	7,490	1	0.0%
8.6%	6,732	6,732	0	0.0%
9.9%	6,431	6,431	0	0.0%
11.1%	6,325	6,325	0	0.0%
12.3%	6,041	6,040	0	0.0%
13.6%	6,017	6,017	0	0.0%
14.8%	5,847	5,847	0	0.0%
16.0%	5,676	5,676	0	0.0%
17.3%	5,187	5,183	-4	-0.1%
18.5%	4,912	4,912	0	0.0%
19.8%	4,705	4,702	-3	-0.1%
21.0%	4,272	4,272	0	0.0%
22.2%	4,217	4,219	2	0.0%
23.5%	4,100	4,089	-11	-0.3%
24.7%	4,088	4,088	0	0.0%
25.9%	4,049	4,049	0	0.0%
27.2%	3,724	3,724	0	0.0%
28.4%	3,318	3,316	-3	-0.1%
29.6%	3,236	3,240	3	0.1%
30.9%	2,912	2,911	0	0.0%
32.1%	2,812	2,829	16	0.6%
33.3%	2,796	2,812	16	0.6%
34.6%	2,771	2,796	25	0.9%
35.8%	2,595	2,771	176	6.8%
37.0%	2,421	2,593	171	7.1%
38.3%	2,310	2,310	0	0.0%
39.5%	2,250	2,250	0	0.0%
40.7%	2,239	2,196	-43	-1.9%
42.0%	2,196	2,106	-90	-4.1%
43.2%	2,103	1,824	-279	-13.2%
44.4%	1,889	1,590	-299	-15.8%
45.7%	1,843	1,586	-257	-13.9%
46.9%	1,590	1,564	-26	-1.6%
48.1%	1,586	1,549	-37	-2.3%
49.4%	1,564	1,541	-23	-1.5%
50.6%	1,547	1,535	-12	-0.8%
51.9%	1,540	1,527	-14	-0.9%
53.1%	1,535	1,526	-9	-0.6%
54.3%	1,529	1,525	-3	-0.2%
55.6%	1,527	1,474	-53	-3.5%
56.8%	1,526	1,473	-53	-3.5%
58.0%	1,525	1,462	-64	-4.2%
59.3%	1,473	1,457	-16	-1.1%
60.5%	1,414	1,414	-1	0.0%
61.7%	1,406	1,306	-100	-7.1%
63.0%	1,286	1,252	-33	-2.6%
64.2%	1,168	1,242	74	6.3%
65.4%	1,094	1,191	97	8.9%
66.7%	1,092	1,180	88	8.1%
67.9%	1,088	1,168	79	7.3%
69.1%	1,045	1,158	113	10.8%
70.4%	975	1,096	122	12.5%
71.6%	966	1,092	126	13.0%
72.8%	949	975	26	2.8%
74.1%	935	954	19	2.0%
75.3%	913	949	36	4.0%
76.5%	877	935	58	6.6%
77.8%	821	906	86	10.4%
79.0%	818	877	59	7.2%
80.2%	763	846	83	10.9%
81.5%	733	821	87	11.9%
82.7%	706	819	113	16.0%
84.0%	652	818	166	25.4%
85.2%	652	816	163	25.1%
86.4%	640	815	175	27.4%
87.7%	627	805	177	28.3%
88.9%	623	792	169	27.1%
90.1%	622	788	166	26.7%
91.4%	619	771	152	24.5%
92.6%	616	766	150	24.4%
93.8%	615	763	148	24.1%
95.1%	605	707	102	16.9%
96.3%	600	668	68	11.4%
97.5%	592	640	47	8.0%
98.8%	588	623	35	6.0%
100.0%	188	622	434	231.0%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,126	8,127	1	0.0%
1.2%	7,345	7,345	0	0.0%
2.5%	5,294	5,294	0	0.0%
3.7%	5,146	5,146	0	0.0%
4.9%	4,709	4,709	0	0.0%
6.2%	3,526	3,526	0	0.0%
7.4%	3,408	3,409	0	0.0%
8.6%	3,283	3,283	0	0.0%
9.9%	3,193	3,193	0	0.0%
11.1%	2,892	2,892	0	0.0%
12.3%	2,634	2,840	206	7.8%
13.6%	2,612	2,612	0	0.0%
14.8%	2,557	2,557	0	0.0%
16.0%	2,551	2,551	0	0.0%
17.3%	2,193	2,229	36	1.7%
18.5%	2,156	2,100	-57	-2.6%
19.8%	2,099	1,946	-153	-7.3%
21.0%	1,950	1,874	-75	-3.9%
22.2%	1,879	1,820	-59	-3.2%
23.5%	1,823	1,736	-88	-4.8%
24.7%	1,724	1,724	-1	0.0%
25.9%	1,688	1,717	28	1.7%
27.2%	1,673	1,662	-11	-0.7%
28.4%	1,668	1,607	-61	-3.7%
29.6%	1,606	1,605	-2	-0.1%
30.9%	1,583	1,583	0	0.0%
32.1%	1,583	1,583	0	0.0%
33.3%	1,566	1,566	0	0.0%
34.6%	1,557	1,557	0	0.0%
35.8%	1,556	1,556	0	0.0%
37.0%	1,554	1,554	0	0.0%
38.3%	1,553	1,553	0	0.0%
39.5%	1,551	1,551	0	0.0%
40.7%	1,551	1,551	0	0.0%
42.0%	1,546	1,546	0	0.0%
43.2%	1,541	1,541	0	0.0%
44.4%	1,530	1,530	0	0.0%
45.7%	1,529	1,529	0	0.0%
46.9%	1,520	1,525	5	0.3%
48.1%	1,501	1,520	19	1.3%
49.4%	1,469	1,501	32	2.2%
50.6%	1,425	1,469	44	3.1%
51.9%	1,370	1,425	55	4.0%
53.1%	1,295	1,370	75	5.8%
54.3%	1,198	1,260	62	5.1%
55.6%	1,112	1,202	90	8.1%
56.8%	1,041	1,198	158	15.2%
58.0%	1,039	1,142	103	9.9%
59.3%	1,010	1,074	64	6.3%
60.5%	999	1,068	69	6.9%
61.7%	989	1,060	71	7.2%
63.0%	982	1,057	75	7.7%
64.2%	978	1,055	77	7.8%
65.4%	975	1,046	71	7.3%
66.7%	947	1,043	96	10.1%
67.9%	943	1,041	98	10.4%
69.1%	920	1,037	117	12.7%
70.4%	896	1,032	137	15.3%
71.6%	882	1,018	136	15.4%
72.8%	880	1,011	131	14.9%
74.1%	869	1,010	142	16.3%
75.3%	847	1,002	155	18.3%
76.5%	814	1,001	187	22.9%
77.8%	804	998	194	24.2%
79.0%	759	992	232	30.6%
80.2%	750	991	242	32.2%
81.5%	714	987	273	38.3%
82.7%	693	980	288	41.5%
84.0%	648	949	301	46.5%
85.2%	629	933	304	48.4%
86.4%	627	890	263	41.9%
87.7%	625	818	193	30.9%
88.9%	622	815	193	31.1%
90.1%	621	769	148	23.8%
91.4%	617	763	146	23.6%
92.6%	612	704	93	15.1%
93.8%	611	641	30	4.9%
95.1%	610	627	17	2.8%
96.3%	608	620	12	1.9%
97.5%	606	616	10	1.7%
98.8%	598	608	11	1.8%
100.0%	188	372	184	97.6%

Table SW-47-b

American River at Mouth, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,738	3,000	-738	-19.7%
1.2%	3,535	3,000	-535	-15.1%
2.5%	3,284	2,678	-606	-18.5%
3.7%	3,159	2,546	-612	-19.4%
4.9%	3,048	2,482	-566	-18.6%
6.2%	2,917	2,458	-459	-15.7%
7.4%	2,661	2,403	-258	-9.7%
8.6%	2,609	2,381	-227	-8.7%
9.9%	2,546	2,373	-174	-6.8%
11.1%	2,371	2,371	0	0.0%
12.3%	2,169	2,311	143	6.6%
13.6%	2,098	2,169	70	3.3%
14.8%	2,077	2,118	42	2.0%
16.0%	1,970	1,970	0	0.0%
17.3%	1,967	1,967	1	0.0%
18.5%	1,898	1,942	44	2.3%
19.8%	1,873	1,941	68	3.7%
21.0%	1,836	1,914	78	4.3%
22.2%	1,823	1,836	12	0.7%
23.5%	1,794	1,823	29	1.6%
24.7%	1,753	1,785	31	1.8%
25.9%	1,744	1,770	26	1.5%
27.2%	1,738	1,755	16	0.9%
28.4%	1,737	1,752	15	0.9%
29.6%	1,723	1,694	-29	-1.7%
30.9%	1,694	1,668	-26	-1.5%
32.1%	1,669	1,590	-79	-4.8%
33.3%	1,583	1,542	-41	-2.6%
34.6%	1,542	1,520	-22	-1.4%
35.8%	1,524	1,514	-10	-0.7%
37.0%	1,514	1,511	-3	-0.2%
38.3%	1,511	1,508	-3	-0.2%
39.5%	1,508	1,505	-2	-0.2%
40.7%	1,505	1,505	0	0.0%
42.0%	1,505	1,502	-3	-0.2%
43.2%	1,502	1,502	0	0.0%
44.4%	1,502	1,501	-2	-0.1%
45.7%	1,501	1,500	-1	-0.1%
46.9%	1,500	1,500	-1	0.0%
48.1%	1,500	1,497	-2	-0.2%
49.4%	1,500	1,497	-2	-0.2%
50.6%	1,499	1,493	-6	-0.4%
51.9%	1,497	1,482	-15	-1.0%
53.1%	1,493	1,481	-12	-0.8%
54.3%	1,482	1,460	-22	-1.5%
55.6%	1,481	1,352	-129	-8.7%
56.8%	1,460	1,336	-124	-8.5%
58.0%	1,411	1,327	-84	-6.0%
59.3%	1,347	1,325	-22	-1.6%
60.5%	1,336	1,325	-11	-0.8%
61.7%	1,314	1,324	9	0.7%
63.0%	1,279	1,321	41	3.2%
64.2%	1,268	1,296	28	2.2%
65.4%	1,180	1,296	116	9.8%
66.7%	1,167	1,292	125	10.7%
67.9%	1,116	1,284	168	15.0%
69.1%	1,111	1,282	171	15.4%
70.4%	999	1,281	283	28.3%
71.6%	970	1,279	308	31.8%
72.8%	967	1,278	311	32.2%
74.1%	934	1,271	337	36.0%
75.3%	932	1,260	328	35.2%
76.5%	922	1,254	332	36.0%
77.8%	915	1,245	330	36.1%
79.0%	899	1,192	294	32.7%
80.2%	897	1,167	270	30.1%
81.5%	833	1,142	309	37.1%
82.7%	833	1,107	275	33.0%
84.0%	819	1,095	276	33.7%
85.2%	771	1,062	291	37.8%
86.4%	723	1,017	294	40.6%
87.7%	712	987	275	38.6%
88.9%	667	959	292	43.7%
90.1%	661	875	215	32.5%
91.4%	611	851	240	39.3%
92.6%	605	728	123	20.4%
93.8%	588	678	90	15.3%
95.1%	569	665	96	16.8%
96.3%	555	587	32	5.8%
97.5%	385	410	25	6.5%
98.8%	323	371	47	14.6%
100.0%	188	255	67	35.6%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,432	4,403	-29	-0.7%
1.2%	4,415	4,400	-16	-0.4%
2.5%	4,403	4,388	-15	-0.3%
3.7%	4,403	4,375	-28	-0.6%
4.9%	4,399	4,374	-25	-0.6%
6.2%	4,398	4,374	-24	-0.5%
7.4%	4,395	4,371	-24	-0.6%
8.6%	4,393	4,367	-27	-0.6%
9.9%	4,390	4,351	-39	-0.9%
11.1%	4,388	4,337	-52	-1.2%
12.3%	4,387	4,192	-195	-4.4%
13.6%	4,385	4,094	-291	-6.6%
14.8%	4,385	4,075	-310	-7.1%
16.0%	4,385	3,794	-591	-13.5%
17.3%	4,383	3,792	-591	-13.5%
18.5%	4,381	3,755	-626	-14.3%
19.8%	4,378	3,679	-699	-16.0%
21.0%	4,378	3,656	-722	-16.5%
22.2%	4,375	3,468	-907	-20.7%
23.5%	4,367	3,407	-960	-22.0%
24.7%	4,351	3,293	-1,058	-24.3%
25.9%	4,340	3,232	-1,109	-25.5%
27.2%	4,339	3,124	-1,214	-28.0%
28.4%	4,263	3,035	-1,228	-28.8%
29.6%	4,217	2,976	-1,241	-29.4%
30.9%	4,082	2,921	-1,161	-28.4%
32.1%	3,960	2,792	-1,168	-29.5%
33.3%	3,931	2,700	-1,230	-31.3%
34.6%	3,821	2,691	-1,130	-29.6%
35.8%	3,680	2,527	-1,153	-31.3%
37.0%	3,617	2,356	-1,262	-34.9%
38.3%	3,547	2,345	-1,202	-33.9%
39.5%	3,490	2,338	-1,152	-33.0%
40.7%	3,430	2,233	-1,197	-34.9%
42.0%	3,419	2,183	-1,236	-36.2%
43.2%	3,322	2,171	-1,151	-34.6%
44.4%	3,108	2,145	-963	-31.0%
45.7%	3,089	2,032	-1,058	-34.2%
46.9%	3,002	1,989	-1,013	-33.7%
48.1%	2,920	1,964	-956	-32.7%
49.4%	2,802	1,916	-886	-31.6%
50.6%	2,754	1,881	-874	-31.7%
51.9%	2,739	1,869	-871	-31.8%
53.1%	2,708	1,767	-941	-34.7%
54.3%	2,575	1,750	-825	-32.1%
55.6%	2,557	1,750	-807	-31.6%
56.8%	2,547	1,750	-797	-31.3%
58.0%	2,477	1,750	-727	-29.4%
59.3%	2,249	1,750	-499	-22.2%
60.5%	2,216	1,750	-466	-21.0%
61.7%	2,202	1,750	-452	-20.5%
63.0%	2,182	1,750	-432	-19.8%
64.2%	2,162	1,750	-412	-19.1%
65.4%	2,049	1,750	-299	-14.6%
66.7%	1,953	1,750	-203	-10.4%
67.9%	1,952	1,750	-202	-10.3%
69.1%	1,938	1,750	-188	-9.7%
70.4%	1,928	1,750	-178	-9.2%
71.6%	1,812	1,750	-62	-3.4%
72.8%	1,750	1,750	0	0.0%
74.1%	1,750	1,750	0	0.0%
75.3%	1,750	1,750	0	0.0%
76.5%	1,590	1,750	160	10.1%
77.8%	1,578	1,750	172	10.9%
79.0%	1,572	1,750	178	11.3%
80.2%	1,571	1,750	179	11.4%
81.5%	1,529	1,744	215	14.1%
82.7%	1,505	1,588	83	5.5%
84.0%	1,501	1,584	83	5.5%
85.2%	1,501	1,519	18	1.2%
86.4%	1,496	1,416	-79	-5.3%
87.7%	1,495	1,359	-136	-9.1%
88.9%	1,472	1,355	-116	-7.9%
90.1%	1,269	1,251	-18	-1.4%
91.4%	1,183	1,175	-8	-0.6%
92.6%	975	1,106	131	13.4%
93.8%	908	1,005	97	10.6%
95.1%	882	933	51	5.8%
96.3%	769	922	153	19.9%
97.5%	653	902	250	38.2%
98.8%	466	538	72	15.5%
100.0%	333	217	-115	-34.6%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,786	2,392	-393	-14.1%
1.2%	2,277	2,201	-77	-3.4%
2.5%	2,206	2,046	-160	-7.3%
3.7%	2,202	1,970	-232	-10.6%
4.9%	2,199	1,766	-432	-19.7%
6.2%	2,002	1,750	-252	-12.6%
7.4%	1,931	1,750	-181	-9.4%
8.6%	1,750	1,750	0	0.0%
9.9%	1,750	1,750	0	0.0%
11.1%	1,750	1,750	0	0.0%
12.3%	1,750	1,750	0	0.0%
13.6%	1,672	1,750	78	4.7%
14.8%	1,573	1,749	177	11.2%
16.0%	1,542	1,749	207	13.4%
17.3%	1,528	1,747	219	14.3%
18.5%	1,527	1,746	219	14.3%
19.8%	1,506	1,741	235	15.6%
21.0%	1,503	1,724	221	14.7%
22.2%	1,500	1,681	180	12.0%
23.5%	1,498	1,610	112	7.5%
24.7%	1,497	1,580	83	5.6%
25.9%	1,496	1,575	78	5.2%
27.2%	1,496	1,563	67	4.5%
28.4%	1,496	1,546	50	3.4%
29.6%	1,495	1,542	47	3.1%
30.9%	1,491	1,521	30	2.0%
32.1%	1,490	1,500	9	0.6%
33.3%	1,489	1,498	9	0.6%
34.6%	1,487	1,490	3	0.2%
35.8%	1,486	1,489	3	0.2%
37.0%	1,485	1,489	4	0.3%
38.3%	1,484	1,484	0	0.0%
39.5%	1,483	1,484	1	0.0%
40.7%	1,483	1,483	0	0.0%
42.0%	1,483	1,482	-1	-0.1%
43.2%	1,482	1,480	-2	-0.2%
44.4%	1,480	1,478	-3	-0.2%
45.7%	1,480	1,447	-33	-2.2%
46.9%	1,479	1,416	-63	-4.3%
48.1%	1,478	1,405	-73	-4.9%
49.4%	1,478	1,359	-119	-8.1%
50.6%	1,478	1,358	-119	-8.1%
51.9%	1,443	1,354	-89	-6.2%
53.1%	1,437	1,341	-96	-6.7%
54.3%	1,305	1,326	20	1.6%
55.6%	1,272	1,320	48	3.8%
56.8%	1,247	1,299	51	4.1%
58.0%	1,192	1,288	96	8.1%
59.3%	1,189	1,275	86	7.2%
60.5%	1,131	1,272	140	12.4%
61.7%	1,033	1,260	227	22.0%
63.0%	998	1,185	187	18.7%
64.2%	979	1,131	152	15.5%
65.4%	961	1,103	142	14.7%
66.7%	958	1,077	119	12.4%
67.9%	939	1,074	135	14.4%
69.1%	922	1,067	145	15.8%
70.4%	915	1,066	151	16.5%
71.6%	892	1,019	128	14.3%
72.8%	874	1,000	125	14.3%
74.1%	838	940	102	12.1%
75.3%	825	913	87	10.6%
76.5%	803	907	104	13.0%
77.8%	796	892	96	12.1%
79.0%	786	891	105	13.3%
80.2%	707	834	126	17.8%
81.5%	640	822	182	28.5%
82.7%	615	786	171	27.8%
84.0%	568	758	189	33.3%
85.2%	568	756	188	33.1%
86.4%	566	742	176	31.1%
87.7%	564	711	147	26.1%
88.9%	563	650	88	15.6%
90.1%	558	644	86	15.3%
91.4%	544	615	72	13.2%
92.6%	536	590	54	10.1%
93.8%	531	564	34	6.4%
95.1%	530	559	29	5.5%
96.3%	471	559	88	18.7%
97.5%	349	556	207	59.5%
98.8%	188	403	215	114.3%
100.0%	188	348	160	84.9%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Flow (CFS)	WSIP 2030 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,582	4,521	-62	-1.3%
1.2%	4,566	4,336	-230	-5.0%
2.5%	4,560	4,301	-260	-5.7%
3.7%	4,545	4,252	-293	-6.4%
4.9%	4,539	4,194	-345	-7.6%
6.2%	4,335	3,451	-884	-20.4%
7.4%	3,579	3,424	-156	-4.3%
8.6%	3,114	2,937	-177	-5.7%
9.9%	3,070	2,885	-185	-6.0%
11.1%	2,830	2,538	-292	-10.3%
12.3%	2,805	2,511	-294	-10.5%
13.6%	2,544	2,459	-85	-3.4%
14.8%	2,509	2,418	-91	-3.6%
16.0%	2,507	2,380	-127	-5.1%
17.3%	2,390	2,362	-28	-1.2%
18.5%	2,309	2,257	-53	-2.3%
19.8%	2,251	2,256	5	0.2%
21.0%	2,220	2,213	-7	-0.3%
22.2%	2,128	2,193	65	3.1%
23.5%	2,115	2,100	-15	-0.7%
24.7%	2,024	1,939	-85	-4.2%
25.9%	2,009	1,840	-169	-8.4%
27.2%	1,852	1,838	-14	-0.7%
28.4%	1,750	1,750	0	0.0%
29.6%	1,750	1,688	-62	-3.6%
30.9%	1,750	1,663	-87	-5.0%
32.1%	1,607	1,609	2	0.1%
33.3%	1,585	1,549	-36	-2.3%
34.6%	1,530	1,483	-46	-3.0%
35.8%	1,484	1,446	-38	-2.6%
37.0%	1,380	1,446	67	4.8%
38.3%	1,352	1,446	94	7.0%
39.5%	1,343	1,445	102	7.6%
40.7%	1,335	1,436	101	7.6%
42.0%	1,332	1,427	94	7.1%
43.2%	1,332	1,399	66	5.0%
44.4%	1,331	1,352	21	1.6%
45.7%	1,329	1,341	12	0.9%
46.9%	1,329	1,332	3	0.2%
48.1%	1,328	1,332	4	0.3%
49.4%	1,313	1,330	17	1.3%
50.6%	1,311	1,329	18	1.4%
51.9%	1,309	1,313	4	0.3%
53.1%	1,292	1,303	11	0.9%
54.3%	1,280	1,295	15	1.2%
55.6%	1,170	1,276	106	9.1%
56.8%	1,093	1,260	167	15.3%
58.0%	1,085	1,213	128	11.8%
59.3%	1,030	1,212	182	17.6%
60.5%	1,020	1,204	184	18.0%
61.7%	1,011	1,203	191	18.9%
63.0%	992	1,202	210	21.2%
64.2%	978	1,116	138	14.1%
65.4%	918	1,097	179	19.5%
66.7%	874	1,084	210	24.1%
67.9%	866	1,075	208	24.1%
69.1%	840	1,034	194	23.1%
70.4%	821	1,011	189	23.1%
71.6%	807	1,003	195	24.2%
72.8%	746	990	244	32.7%
74.1%	689	976	287	41.6%
75.3%	649	941	292	45.1%
76.5%	630	940	310	49.1%
77.8%	620	924	303	48.9%
79.0%	616	866	250	40.6%
80.2%	611	857	246	40.2%
81.5%	611	851	241	39.4%
82.7%	611	844	233	38.2%
84.0%	610	827	217	35.6%
85.2%	609	816	207	34.0%
86.4%	609	799	190	31.3%
87.7%	609	738	129	21.3%
88.9%	608	675	66	10.9%
90.1%	608	639	31	5.0%
91.4%	602	622	20	3.3%
92.6%	599	609	10	1.7%
93.8%	596	608	12	2.0%
95.1%	510	607	97	19.0%
96.3%	376	544	168	44.6%
97.5%	281	538	257	91.5%
98.8%	281	370	89	31.6%
100.0%	261	278	17	6.5%

Figure SW-53-b
Sacramento River at Bend Bridge, Monthly Stage
Probability of Exceedance

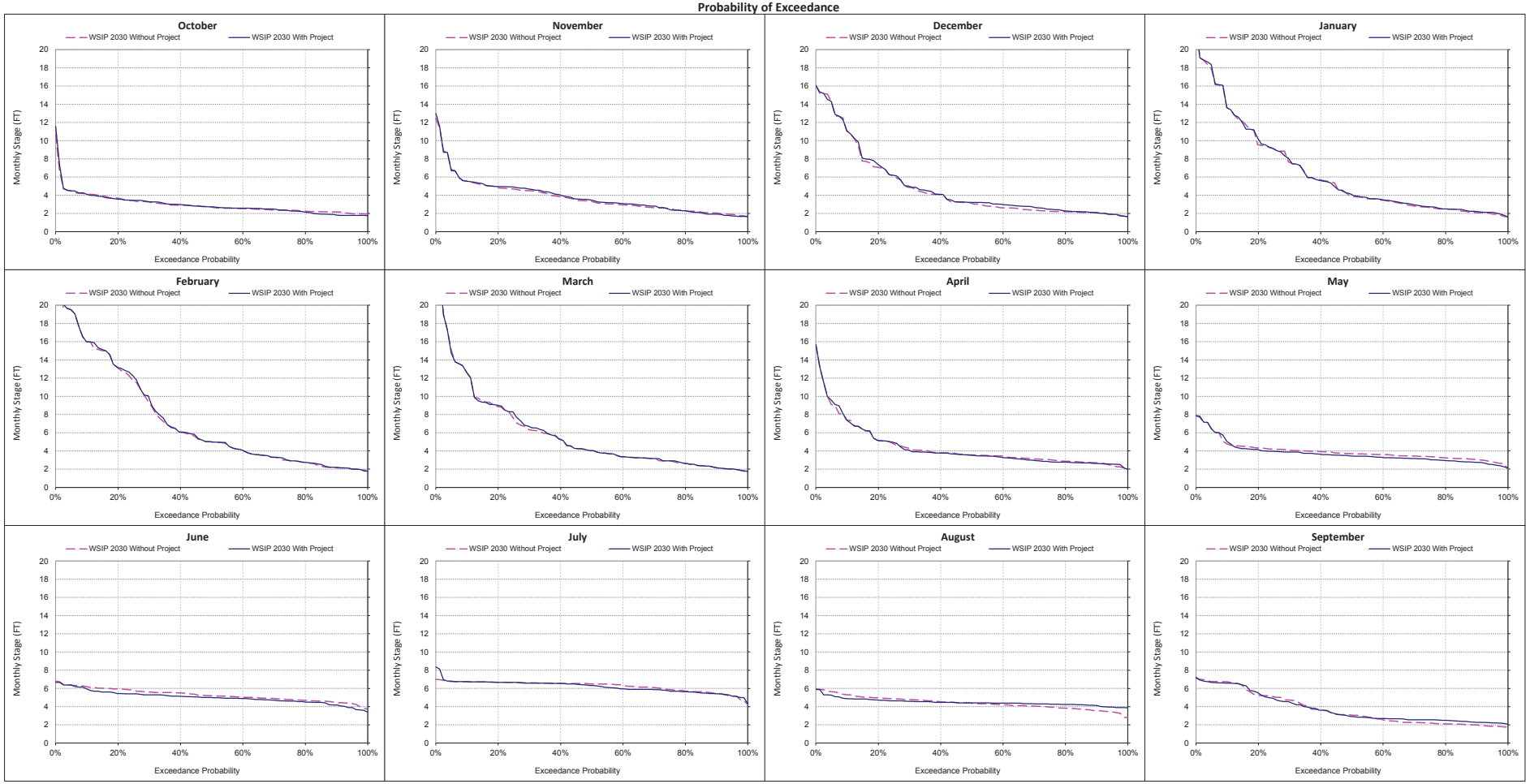


Table SW-53-b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	12	1	8.4%
1.2%	7	7	1	9.0%
2.5%	5	5	0	-0.8%
3.7%	5	5	0	-0.1%
4.9%	4	5	0	1.0%
6.2%	4	4	0	4.3%
7.4%	4	4	0	1.4%
8.6%	4	4	0	1.4%
9.9%	4	4	0	-1.3%
11.1%	4	4	0	-3.5%
12.3%	4	4	0	-2.5%
13.6%	4	4	0	-3.2%
14.8%	4	4	0	-2.5%
16.0%	4	4	0	-4.2%
17.3%	4	4	0	-0.9%
18.5%	4	4	0	-1.5%
19.8%	4	4	0	-2.6%
21.0%	4	4	0	-1.1%
22.2%	3	3	0	-0.7%
23.5%	3	3	0	0.9%
24.7%	3	3	0	0.6%
25.9%	3	3	0	3.6%
27.2%	3	3	0	3.7%
28.4%	3	3	0	2.1%
29.6%	3	3	0	0.4%
30.9%	3	3	0	2.2%
32.1%	3	3	0	3.3%
33.3%	3	3	0	4.7%
34.6%	3	3	0	1.5%
35.8%	3	3	0	2.8%
37.0%	3	3	0	2.9%
38.3%	3	3	0	3.3%
39.5%	3	3	0	2.8%
40.7%	3	3	0	2.1%
42.0%	3	3	0	1.5%
43.2%	3	3	0	-0.3%
44.4%	3	3	0	-0.9%
45.7%	3	3	0	-1.5%
46.9%	3	3	0	-0.8%
48.1%	3	3	0	-0.7%
49.4%	3	3	0	-0.6%
50.6%	3	3	0	3.0%
51.9%	3	3	0	2.6%
53.1%	3	3	0	1.7%
54.3%	3	3	0	1.8%
55.6%	3	3	0	1.2%
56.8%	3	3	0	1.1%
58.0%	3	3	0	1.4%
59.3%	3	3	0	2.5%
60.5%	3	3	0	1.9%
61.7%	3	3	0	2.2%
63.0%	3	3	0	2.5%
64.2%	2	3	0	4.2%
65.4%	2	3	0	4.1%
66.7%	2	3	0	3.0%
67.9%	2	3	0	3.4%
69.1%	2	3	0	4.7%
70.4%	2	2	0	4.0%
71.6%	2	2	0	1.7%
72.8%	2	2	0	0.9%
74.1%	2	2	0	0.5%
75.3%	2	2	0	-3.1%
76.5%	2	2	0	-3.1%
77.8%	2	2	0	-4.1%
79.0%	2	2	0	-2.3%
80.2%	2	2	0	-5.3%
81.5%	2	2	0	-4.7%
82.7%	2	2	0	-10.4%
84.0%	2	2	0	-11.5%
85.2%	2	2	0	-11.3%
86.4%	2	2	0	-12.1%
87.7%	2	2	0	-12.3%
88.9%	2	2	0	-12.6%
90.1%	2	2	0	-16.0%
91.4%	2	2	0	-16.4%
92.6%	2	2	0	-12.9%
93.8%	2	2	0	-11.5%
95.1%	2	2	0	-9.2%
96.3%	2	2	0	-9.3%
97.5%	2	2	0	-9.3%
98.8%	2	2	0	-9.3%
100.0%	2	2	0	-7.8%

November				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	12	13	1	4.1%
1.2%	11	12	0	2.0%
2.5%	9	9	0	-1.4%
3.7%	9	9	0	0.0%
4.9%	7	7	0	-2.0%
6.2%	7	7	0	-0.5%
7.4%	6	6	0	0.0%
8.6%	6	6	0	-0.7%
9.9%	6	6	0	0.1%
11.1%	5	5	0	0.9%
12.3%	5	5	0	1.8%
13.6%	5	5	0	1.8%
14.8%	5	5	0	2.7%
16.0%	5	5	0	0.8%
17.3%	5	5	0	0.0%
18.5%	5	5	0	-0.9%
19.8%	5	5	0	2.7%
21.0%	5	5	0	4.0%
22.2%	5	5	0	3.9%
23.5%	5	5	0	5.0%
24.7%	5	5	0	4.8%
25.9%	5	5	0	4.3%
27.2%	5	5	0	4.9%
28.4%	5	5	0	5.8%
29.6%	5	5	0	4.1%
30.9%	5	5	0	2.9%
32.1%	4	5	0	3.3%
33.3%	4	5	0	4.2%
34.6%	4	4	0	3.1%
35.8%	4	4	0	4.5%
37.0%	4	4	0	7.6%
38.3%	4	4	0	5.2%
39.5%	4	4	0	5.7%
40.7%	4	4	0	2.9%
42.0%	4	4	0	2.6%
43.2%	4	4	0	3.8%
44.4%	4	4	0	0.7%
45.7%	3	4	0	4.6%
46.9%	3	4	0	4.2%
48.1%	3	4	0	4.8%
49.4%	3	3	0	3.3%
50.6%	3	3	0	4.8%
51.9%	3	3	0	3.3%
53.1%	3	3	0	5.0%
54.3%	3	3	0	4.9%
55.6%	3	3	0	4.7%
56.8%	3	3	0	4.5%
58.0%	3	3	0	4.1%
59.3%	3	3	0	4.7%
60.5%	3	3	0	4.6%
61.7%	3	3	0	5.3%
63.0%	3	3	0	4.6%
64.2%	3	3	0	5.3%
65.4%	3	3	0	5.6%
66.7%	3	3	0	7.1%
67.9%	3	3	0	6.4%
69.1%	3	3	0	5.7%
70.4%	3	3	0	6.9%
71.6%	3	3	0	1.5%
72.8%	3	3	0	0.9%
74.1%	3	3	0	-1.1%
75.3%	3	2	0	-5.5%
76.5%	2	2	0	-2.4%
77.8%	2	2	0	-0.3%
79.0%	2	2	0	-1.3%
80.2%	2	2	0	1.7%
81.5%	2	2	0	-2.7%
82.7%	2	2	0	-4.9%
84.0%	2	2	0	-4.8%
85.2%	2	2	0	-3.7%
86.4%	2	2	0	-5.9%
87.7%	2	2	0	-7.6%
88.9%	2	2	0	-6.9%
90.1%	2	2	0	-6.7%
91.4%	2	2	0	-4.3%
92.6%	2	2	0	-8.7%
93.8%	2	2	0	-7.8%
95.1%	2	2	0	-8.0%
96.3%	2	2	0	-8.0%
97.5%	2	2	0	-5.0%
98.8%	2	2	0	-4.4%
100.0%	2	2	0	1.0%

December				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	16	16	0	0.0%
1.2%	15	15	0	1.0%
2.5%	15	15	0	0.3%
3.7%	15	15	-1	-3.8%
4.9%	14	14	0	0.0%
6.2%	13	13	0	1.2%
7.4%	13	13	0	0.0%
8.6%	13	12	0	-1.7%
9.9%	11	11	0	0.3%
11.1%	11	11	0	0.0%
12.3%	10	10	0	0.0%
13.6%	9	10	0	4.8%
14.8%	8	8	0	4.4%
16.0%	8	8	0	3.1%
17.3%	8	8	0	5.3%
18.5%	7	8	1	9.6%
19.8%	7	7	0	4.9%
21.0%	7	7	0	1.8%
22.2%	7	7	0	0.0%
23.5%	6	6	0	0.0%
24.7%	6	6	0	0.9%
25.9%	6	6	0	3.6%
27.2%	6	6	0	0.0%
28.4%	5	5	0	1.0%
29.6%	5	5	0	2.9%
30.9%	5	5	0	0.8%
32.1%	5	5	0	6.0%
33.3%	4	5	0	4.1%
34.6%	4	5	0	6.2%
35.8%	4	5	0	7.9%
37.0%	4	4	0	7.0%
38.3%	4	4	0	0.6%
39.5%	4	4	0	0.3%
40.7%	4	4	0	0.4%
42.0%	4	4	0	0.0%
43.2%	3	4	0	6.7%
44.4%	3	3	0	1.4%
45.7%	3	3	0	0.9%
46.9%	3	3	0	1.6%
48.1%	3	3	0	1.3%
49.4%	3	3	0	0.9%
50.6%	3	3	0	6.1%
51.9%	3	3	0	6.1%
53.1%	3	3	0	9.1%
54.3%	3	3	0	12.5%
55.6%	3	3	0	13.6%
56.8%	3	3	0	8.4%
58.0%	3	3	0	11.6%
59.3%	3	3	0	14.6%
60.5%	3	3	0	13.1%
61.7%	3	3	0	12.5%
63.0%	3	3	0	11.4%
64.2%	3	3	0	10.5%
65.4%	2	3	0	12.6%
66.7%	2	3	0	14.8%
67.9%	2	3	0	15.0%
69.1%	2	3	0	16.2%
70.4%	2	3	0	11.8%
71.6%	2	3	0	13.2%
72.8%	2	3	0	12.3%
74.1%	2	2	0	7.3%
75.3%	2	2	0	10.6%
76.5%	2	2	0	9.5%
77.8%	2	2	0	9.3%
79.0%	2	2	0	4.7%
80.2%	2	2	0	3.6%
81.5%	2	2	0	2.8%
82.7%	2	2	0	2.3%
84.0%	2	2	0	3.2%
85.2%	2	2	0	2.8%
86.4%	2	2	0	3.5%
87.7%	2	2	0	1.5%
88.9%	2	2	0	1.3%
90.1%	2	2	0	2.3%
91.4%	2	2	0	0.0%
92.6%	2	2	0	0.0%
93.8%	2	2	0	0.1%
95.1%	2	2	0	1.1%
96.3%	2	2	0	0.5%
97.5%	2	2	0	-4.2%
98.8%	2	2	0	-1.2%
100.0%	2	2	0	0.1%

January				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	23	23	0	0.0%
1.2%	19	19	0	0.0%
2.5%	19	19	0	0.0%
3.7%	18	19	0	1.6%
4.9%	18	18	0	2.5%
6.2%	16	16	0	0.8%
7.4%	16	16	0	0.1%
8.6%	16	16	0	1.0%
9.9%	14	14	0	0.0%
11.1%	13	13	0	0.0%
12.3%	13	13	0	0.0%
13.6%	12	13	0	2.2%
14.8%	12	12	0	-1.1%
16.0%	12	11	0	-4.0%
17.3%	11	11	0	0.0%
18.5%	11	11	0	0.0%
19.8%	10	10	1	7.7%
21.0%	9	10	0	1.8%
22.2%	9	10	0	0.9%
23.5%	9	9	0	0.5%
24.7%	9	9	0	0.1%
25.9%	9	9	0	-0.4%
27.2%	9	9	0	-0.9%
28.4%	9	8	-1	-5.7%
29.6%	8	8	0	4.9%
30.9%	7	7	0	0.0%
32.1%	7	7	0	0.0%
33.3%	7	7	0	0.0%
34.6%	7	7	0	-1.3%
35.8%	6	6	0	0.0%
37.0%	6	6	0	0.0%
38.3%	6	6	0	-0.6%
39.5%	6	6	0	-1.8%
40.7%	6	6	0	-1.6%
42.0%	6	5	0	-0.9%
43.2%	5	5	0	-2.4%
44.4%	5	5	0	-7.3%
45.7%	5	5	0	1.0%
46.9%	4	5	0	2.0%
48.1%	4	4	0	0.0%
49.4%	4	4	0	6.4%
50.6%	4	4	0	2.5%
51.9%	4	4	0	2.2%
53.1%	4	4	0	0.4%
54.3%	4	4	0	4.5%
55.6%	4	4	0	1.0%
56.8%	4	4	0	0.2%
58.0%	4	4	0	1.1%
59.3%	3	4	0	1.9%
60.5%	3	3	0	1.4%
61.7%	3	3	0	2.2%
63.0%	3	3	0	1.8%
64.2%	3	3	0	2.9%
65.4%	3	3	0	2.6%
66.7%	3	3	0	1.1%
67.9%	3	3	0	5.6%
69.1%	3	3	0	5.3%
70.4%	3	3	0	5.3%
71.6%	3	3	0	3.9%
72.8%	3	3	0	2.2%
74.1%	3	3	0	1.5%
75.3%	3	3	0	5.1%
76.5%	3	3	0	5.4%
77.8%	3	3	0	3.3%
79.0%	2	3	0	0.2%
80.2%	2	2	0	0.6%
81.5%	2	2	0	0.1%
82.7%	2	2	0	0.0%
84.0%	2	2	0	0.4%
85.2%	2	2	0	8.9%
86.4%	2	2	0	4.0%
87.7%	2	2	0	5.4%
88.9%	2	2	0	5.2%
90.1%	2	2	0	6.4%
91.4%	2	2	0	4.6%
92.6%	2	2	0	3.2%
93.8%	2	2	0	4.1%
95.1%	2	2	0	9.6%
96.3%	2	2	0	7.1%
97.5%	2	2	0	6.2%
98.8%	2	2	0	8.5%
100.0%	2	2	0	-3.0%

Table SW-53-b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	25	25	0	0.0%
1.2%	25	24	0	-1.3%
2.5%	20	20	0	2.0%
3.7%	20	20	0	0.0%
4.9%	20	20	0	0.0%
6.2%	19	19	0	0.0%
7.4%	18	18	0	0.0%
8.6%	17	17	0	0.1%
9.9%	16	16	0	0.0%
11.1%	16	16	0	0.0%
12.3%	15	16	1	4.3%
13.6%	15	15	0	1.3%
14.8%	15	15	0	0.9%
16.0%	15	15	0	0.1%
17.3%	15	15	0	0.0%
18.5%	14	14	0	0.0%
19.8%	13	13	0	0.0%
21.0%	13	13	0	1.9%
22.2%	13	13	0	1.4%
23.5%	12	13	0	3.3%
24.7%	12	12	0	4.2%
25.9%	11	12	0	2.5%
27.2%	11	11	0	0.0%
28.4%	10	10	0	0.0%
29.6%	9	10	1	6.6%
30.9%	9	9	0	0.9%
32.1%	8	8	0	3.5%
33.3%	8	8	0	4.8%
34.6%	7	8	0	5.2%
35.8%	7	7	0	0.0%
37.0%	7	7	0	-1.3%
38.3%	6	6	0	0.0%
39.5%	6	6	0	0.0%
40.7%	6	6	0	0.8%
42.0%	6	6	0	2.1%
43.2%	6	6	0	1.2%
44.4%	6	6	0	3.3%
45.7%	5	5	0	1.2%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.7%
53.1%	5	5	0	0.0%
54.3%	5	5	0	1.8%
55.6%	5	5	0	0.0%
56.8%	4	4	0	0.0%
58.0%	4	4	0	0.0%
59.3%	4	4	0	-0.1%
60.5%	4	4	0	0.0%
61.7%	4	4	0	0.0%
63.0%	4	4	0	0.0%
64.2%	4	4	0	0.0%
65.4%	4	4	0	0.0%
66.7%	4	4	0	0.0%
67.9%	3	3	0	0.0%
69.1%	3	3	0	0.1%
70.4%	3	3	0	0.7%
71.6%	3	3	0	1.7%
72.8%	3	3	0	7.5%
74.1%	3	3	0	0.0%
75.3%	3	3	0	0.0%
76.5%	3	3	0	0.0%
77.8%	3	3	0	0.0%
79.0%	3	3	0	0.0%
80.2%	3	3	0	0.0%
81.5%	3	3	0	1.0%
82.7%	3	3	0	1.1%
84.0%	2	3	0	5.6%
85.2%	2	3	0	8.1%
86.4%	2	2	0	4.7%
87.7%	2	2	0	0.7%
88.9%	2	2	0	1.3%
90.1%	2	2	0	2.8%
91.4%	2	2	0	0.0%
92.6%	2	2	0	1.3%
93.8%	2	2	0	1.0%
95.1%	2	2	0	0.1%
96.3%	2	2	0	0.1%
97.5%	2	2	0	2.1%
98.8%	2	2	0	-4.9%
100.0%	2	2	0	1.0%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	24	24	0	0.0%
1.2%	23	23	0	0.0%
2.5%	19	19	0	0.0%
3.7%	17	17	0	0.0%
4.9%	15	15	0	-2.3%
6.2%	14	14	0	0.0%
7.4%	14	14	0	-0.1%
8.6%	13	13	0	0.0%
9.9%	13	13	0	0.0%
11.1%	12	12	0	0.0%
12.3%	10	10	0	0.0%
13.6%	10	10	0	-2.9%
14.8%	10	9	0	-1.4%
16.0%	9	9	0	-0.4%
17.3%	9	9	0	-2.6%
18.5%	9	9	0	0.9%
19.8%	9	9	0	1.4%
21.0%	9	9	0	1.4%
22.2%	8	8	0	0.6%
23.5%	8	8	0	0.0%
24.7%	8	8	1	8.0%
25.9%	7	8	1	8.4%
27.2%	7	7	0	7.0%
28.4%	7	7	0	1.8%
29.6%	6	7	0	6.0%
30.9%	6	7	0	4.2%
32.1%	6	7	0	4.8%
33.3%	6	6	0	3.6%
34.6%	6	6	0	4.9%
35.8%	6	6	0	0.0%
37.0%	6	6	0	0.0%
38.3%	6	6	0	-1.7%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	4	4	0	0.0%
45.7%	4	4	0	0.0%
46.9%	4	4	0	0.0%
48.1%	4	4	0	0.0%
49.4%	4	4	0	0.0%
50.6%	4	4	0	0.1%
51.9%	4	4	0	0.0%
53.1%	4	4	0	0.0%
54.3%	4	4	0	0.0%
55.6%	4	4	0	-0.1%
56.8%	4	4	0	0.0%
58.0%	3	4	0	0.1%
59.3%	3	3	0	0.0%
60.5%	3	3	0	0.0%
61.7%	3	3	0	0.0%
63.0%	3	3	0	0.0%
64.2%	3	3	0	0.0%
65.4%	3	3	0	0.0%
66.7%	3	3	0	0.0%
67.9%	3	3	0	0.1%
69.1%	3	3	0	0.0%
70.4%	3	3	0	0.0%
71.6%	3	3	0	7.9%
72.8%	3	3	0	0.1%
74.1%	3	3	0	0.2%
75.3%	3	3	0	0.0%
76.5%	3	3	0	4.1%
77.8%	3	3	0	3.7%
79.0%	3	3	0	1.7%
80.2%	3	3	0	0.0%
81.5%	3	3	0	0.1%
82.7%	2	3	0	4.4%
84.0%	2	2	0	-0.1%
85.2%	2	2	0	0.0%
86.4%	2	2	0	0.0%
87.7%	2	2	0	0.0%
88.9%	2	2	0	0.0%
90.1%	2	2	0	0.0%
91.4%	2	2	0	0.6%
92.6%	2	2	0	-0.2%
93.8%	2	2	0	0.1%
95.1%	2	2	0	2.3%
96.3%	2	2	0	1.2%
97.5%	2	2	0	0.1%
98.8%	2	2	0	2.8%
100.0%	2	2	0	0.4%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	16	16	0	0.0%
1.2%	13	13	0	0.0%
2.5%	12	12	0	0.0%
3.7%	10	10	0	0.0%
4.9%	9	10	0	5.4%
6.2%	9	9	0	1.4%
7.4%	8	9	1	10.6%
8.6%	8	8	0	0.7%
9.9%	7	7	0	0.0%
11.1%	7	7	0	-3.5%
12.3%	7	7	0	0.0%
13.6%	7	7	0	0.0%
14.8%	6	6	0	0.0%
16.0%	6	6	0	-0.6%
17.3%	6	6	0	0.0%
18.5%	5	5	0	-0.1%
19.8%	5	5	0	0.0%
21.0%	5	5	0	0.0%
22.2%	5	5	0	0.0%
23.5%	5	5	0	0.0%
24.7%	5	5	0	2.7%
25.9%	5	5	0	5.1%
27.2%	5	4	0	-2.2%
28.4%	4	4	0	-6.4%
29.6%	4	4	0	-4.8%
30.9%	4	4	0	-5.1%
32.1%	4	4	0	-4.2%
33.3%	4	4	0	-4.7%
34.6%	4	4	0	-4.3%
35.8%	4	4	0	-4.1%
37.0%	4	4	0	-1.4%
38.3%	4	4	0	-1.3%
39.5%	4	4	0	-0.3%
40.7%	4	4	0	-0.1%
42.0%	4	4	0	-0.1%
43.2%	4	4	0	-2.5%
44.4%	4	4	0	-3.1%
45.7%	4	4	0	-1.0%
46.9%	4	4	0	-1.0%
48.1%	4	4	0	-0.2%
49.4%	4	4	0	-0.9%
50.6%	4	3	0	-1.7%
51.9%	4	3	0	-2.6%
53.1%	4	3	0	-1.4%
54.3%	4	3	0	-1.9%
55.6%	3	3	0	-1.3%
56.8%	3	3	0	-1.2%
58.0%	3	3	0	-2.3%
59.3%	3	3	0	-4.2%
60.5%	3	3	0	-5.1%
61.7%	3	3	0	-2.0%
63.0%	3	3	0	-2.7%
64.2%	3	3	0	-3.9%
65.4%	3	3	0	-4.5%
66.7%	3	3	0	-3.2%
67.9%	3	3	0	-5.4%
69.1%	3	3	0	-4.5%
70.4%	3	3	0	-6.1%
71.6%	3	3	0	-5.7%
72.8%	3	3	0	-7.0%
74.1%	3	3	0	-6.8%
75.3%	3	3	0	-7.3%
76.5%	3	3	0	-7.0%
77.8%	3	3	0	-4.2%
79.0%	3	3	0	-3.9%
80.2%	3	3	0	-3.4%
81.5%	3	3	0	-4.4%
82.7%	3	3	0	-4.9%
84.0%	3	3	0	-4.1%
85.2%	3	3	0	-2.9%
86.4%	3	3	0	-2.3%
87.7%	3	3	0	-1.9%
88.9%	3	3	0	-3.1%
90.1%	3	3	0	-2.8%
91.4%	3	3	0	-2.0%
92.6%	3	3	0	-2.3%
93.8%	2	3	0	3.0%
95.1%	2	3	0	5.7%
96.3%	2	3	0	10.9%
97.5%	2	3	0	11.3%
98.8%	2	2	0	0.2%
100.0%	2	2	0	0.1%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	8	8	0	0.0%
1.2%	8	8	0	1.6%
2.5%	7	7	0	0.0%
3.7%	7	7	0	0.0%
4.9%	6	6	0	0.0%
6.2%	6	6	0	-0.8%
7.4%	6	6	0	0.0%
8.6%	5	6	1	13.1%
9.9%	5	5	0	6.0%
11.1%	5	5	0	3.2%
12.3%	5	4	0	-2.1%
13.6%	5	4	0	-4.9%
14.8%	5	4	0	-5.6%
16.0%	5	4	0	-5.8%
17.3%	4	4	0	-5.8%
18.5%	4	4	0	-4.8%
19.8%	4	4	0	-4.0%
21.0%	4	4	0	-6.8%
22.2%	4	4	0	-6.4%
23.5%	4	4	0	-5.8%
24.7%	4	4	0	-5.9%
25.9%	4	4	0	-5.8%
27.2%	4	4	0	-6.3%
28.4%	4	4	0	-6.6%
29.6%	4	4	0	-5.6%
30.9%	4	4	0	-4.0%
32.1%	4	4	0	-3.8%
33.3%	4	4	0	-4.6%
34.6%	4	4	0	-6.7%
35.8%	4	4	0	-6.2%
37.0%	4	4	0	-5.7%
38.3%	4	4	0	-6.5%
39.5%	4	4	0	-7.3%
40.7%	4	4	0	-7.6%
42.0%	4	4	0	-7.6%
43.2%	4	4	0	-8.2%
44.4%	4	4	0	-6.7%
45.7%	4	4	0	-6.2%
46.9%	4	4	0	-6.5%
48.1%	4	4	0	-5.5%
49.4%	4	3	0	-6.5%
50.6%	4	3	0	-6.9%
51.9%	4	3	0	-6.7%
53.1%	4	3	0	-6.7%
54.3%	4	3	0	-6.5%
55.6%	4	3	0	-6.6%
56.8%	4	3	0	-7.4%
58.0%	4	3	0	-8.1%
59.3%	4	3	0	-8.3%
60.5%	4	3	0	-9.7%
61.7%	4	3	0	-9.7%
63.0%	4	3	0	-8.5%
64.2%	3	3	0	-7.2%
65.4%	3	3	0	-6.8%
66.7%	3	3	0	-7.5%
67.9%	3	3	0	-7.6%
69.1%	3	3	0	-7.8%
70.4%	3	3	0	-7.8%
71.6%	3	3	0	-8.0%
72.8%	3	3	0	-8.1%
74.1%	3	3	0	-8.7%
75.3%	3	3	0	-9.6%
76.5%	3	3	0	-9.4%
77.8%	3	3	0	-8.5%
79.0%	3	3	0	-9.0%
80.2%	3	3	0	-9.5%
81.5%	3	3	0	-8.2%
82.7%	3	3	0	-8.3%
84.0%	3	3	0	-10.2%
85.2%	3	3	0	-11.0%
86.4%	3	3	0	-11.1%
87.7%	3	3	0	-10.2%
88.9%	3	3	0	-9.8%
90.1%	3	3	0	-9.9%
91.4%	3	3	0	-8.9%
92.6%	3	3	0	-10.2%
93.8%	3	3	0	-11.9%
95.1%	3	3	0	-10.1%
96.3%	3	2	0	-10.2%
97.5%	3	2	0	-10.3%
98.8%	3	2	0	-13.5%
100.0%	2	2	0	8.2%

Table SW-53-b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	-1.8%
1.2%	7	7	0	-1.2%
2.5%	6	6	0	-1.2%
3.7%	6	6	0	0.0%
4.9%	6	6	0	0.0%
6.2%	6	6	0	-2.2%
7.4%	6	6	0	-2.1%
8.6%	6	6	0	-2.1%
9.9%	6	6	0	-4.0%
11.1%	6	6	0	-5.4%
12.3%	6	6	0	-6.8%
13.6%	6	6	0	-5.8%
14.8%	6	6	0	-7.1%
16.0%	6	6	0	-6.6%
17.3%	6	6	0	-6.6%
18.5%	6	6	0	-6.8%
19.8%	6	5	-1	-8.5%
21.0%	6	5	0	-8.4%
22.2%	6	5	0	-8.4%
23.5%	6	5	0	-7.9%
24.7%	6	5	0	-7.3%
25.9%	6	5	0	-5.1%
27.2%	6	5	0	-5.7%
28.4%	6	5	0	-5.9%
29.6%	6	5	0	-5.4%
30.9%	6	5	0	-5.4%
32.1%	6	5	0	-4.6%
33.3%	6	5	0	-4.6%
34.6%	6	5	0	-5.3%
35.8%	6	5	0	-6.1%
37.0%	6	5	0	-7.0%
38.3%	5	5	0	-6.2%
39.5%	5	5	0	-6.3%
40.7%	5	5	0	-7.0%
42.0%	5	5	0	-6.2%
43.2%	5	5	0	-5.5%
44.4%	5	5	0	-5.4%
45.7%	5	5	0	-3.7%
46.9%	5	5	0	-4.5%
48.1%	5	5	0	-3.7%
49.4%	5	5	0	-3.7%
50.6%	5	5	0	-4.5%
51.9%	5	5	0	-3.8%
53.1%	5	5	0	-3.8%
54.3%	5	5	0	-4.4%
55.6%	5	5	0	-3.6%
56.8%	5	5	0	-3.5%
58.0%	5	5	0	-2.8%
59.3%	5	5	0	-3.6%
60.5%	5	5	0	-2.8%
61.7%	5	5	0	-2.8%
63.0%	5	5	0	-3.6%
64.2%	5	5	0	-4.6%
65.4%	5	5	0	-3.0%
66.7%	5	5	0	-3.8%
67.9%	5	5	0	-3.8%
69.1%	5	5	0	-3.9%
70.4%	5	5	0	-3.6%
71.6%	5	5	0	-4.1%
72.8%	5	5	0	-4.1%
74.1%	5	5	0	-3.7%
75.3%	5	5	0	-3.8%
76.5%	5	5	0	-3.0%
77.8%	5	5	0	-3.7%
79.0%	5	5	0	-3.1%
80.2%	5	5	0	-4.0%
81.5%	5	5	0	-3.0%
82.7%	5	4	0	-3.9%
84.0%	5	4	0	-3.1%
85.2%	5	4	0	-3.2%
86.4%	5	4	0	-3.9%
87.7%	5	4	0	-7.6%
88.9%	5	4	0	-7.2%
90.1%	4	4	0	-6.3%
91.4%	4	4	0	-8.1%
92.6%	4	4	0	-8.5%
93.8%	4	4	0	-11.2%
95.1%	4	4	0	-10.4%
96.3%	4	4	-1	-13.6%
97.5%	4	4	0	-9.0%
98.8%	4	4	0	-6.1%
100.0%	4	3	0	-8.6%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	8	1	19.3%
1.2%	7	8	1	17.3%
2.5%	7	7	0	1.1%
3.7%	7	7	0	0.0%
4.9%	7	7	0	0.7%
6.2%	7	7	0	0.0%
7.4%	7	7	0	0.0%
8.6%	7	7	0	0.0%
9.9%	7	7	0	0.0%
11.1%	7	7	0	0.0%
12.3%	7	7	0	0.0%
13.6%	7	7	0	0.0%
14.8%	7	7	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	0.0%
18.5%	7	7	0	0.5%
19.8%	7	7	0	0.0%
21.0%	7	7	0	-0.1%
22.2%	7	7	0	-0.1%
23.5%	7	7	0	0.0%
24.7%	7	7	0	0.0%
25.9%	7	7	0	0.0%
27.2%	7	7	0	-0.7%
28.4%	7	7	0	-0.6%
29.6%	7	7	0	-0.6%
30.9%	7	7	0	-0.6%
32.1%	7	7	0	-0.5%
33.3%	7	7	0	-0.1%
34.6%	7	7	0	-0.1%
35.8%	7	7	0	-0.1%
37.0%	7	7	0	-0.5%
38.3%	7	7	0	-0.5%
39.5%	7	7	0	0.0%
40.7%	7	7	0	0.0%
42.0%	7	6	0	-0.8%
43.2%	7	6	0	-0.8%
44.4%	7	6	0	-0.8%
45.7%	7	6	0	-1.4%
46.9%	7	6	0	-1.9%
48.1%	7	6	0	-2.5%
49.4%	6	6	0	-2.5%
50.6%	6	6	0	-2.5%
51.9%	6	6	0	-3.2%
53.1%	6	6	0	-4.5%
54.3%	6	6	0	-5.8%
55.6%	6	6	0	-5.7%
56.8%	6	6	0	-5.8%
58.0%	6	6	0	-5.8%
59.3%	6	6	0	-7.2%
60.5%	6	6	0	-5.4%
61.7%	6	6	0	-5.4%
63.0%	6	6	0	-5.3%
64.2%	6	6	0	-4.8%
65.4%	6	6	0	-4.2%
66.7%	6	6	0	-4.1%
67.9%	6	6	0	-4.1%
69.1%	6	6	0	-3.6%
70.4%	6	6	0	-3.6%
71.6%	6	6	0	-2.9%
72.8%	6	6	0	-2.9%
74.1%	6	6	0	-2.0%
75.3%	6	6	0	-2.9%
76.5%	6	6	0	-2.2%
77.8%	6	6	0	-1.6%
79.0%	6	6	0	-2.3%
80.2%	6	6	0	-1.0%
81.5%	6	6	0	-1.5%
82.7%	6	6	0	-0.7%
84.0%	6	6	0	-1.5%
85.2%	6	5	0	-2.3%
86.4%	6	5	0	-1.8%
87.7%	6	5	0	-1.7%
88.9%	5	5	0	-0.9%
90.1%	5	5	0	0.0%
91.4%	5	5	0	0.0%
92.6%	5	5	0	1.2%
93.8%	5	5	0	1.8%
95.1%	5	5	0	-0.1%
96.3%	5	5	0	-0.9%
97.5%	5	5	0	4.9%
98.8%	5	5	0	7.2%
100.0%	4	4	0	1.8%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	6	0	-1.0%
1.2%	6	6	0	-0.7%
2.5%	6	5	-1	-9.5%
3.7%	6	5	0	-6.9%
4.9%	6	5	0	-6.8%
6.2%	6	5	0	-8.8%
7.4%	5	5	0	-7.9%
8.6%	5	5	0	-7.9%
9.9%	5	5	0	-8.1%
11.1%	5	5	0	-7.9%
12.3%	5	5	0	-6.1%
13.6%	5	5	0	-5.3%
14.8%	5	5	0	-4.4%
16.0%	5	5	0	-3.7%
17.3%	5	5	0	-4.7%
18.5%	5	5	0	-4.7%
19.8%	5	5	0	-4.7%
21.0%	5	5	0	-4.6%
22.2%	5	5	0	-4.7%
23.5%	5	5	0	-4.8%
24.7%	5	5	0	-4.8%
25.9%	5	5	0	-4.2%
27.2%	5	5	0	-4.1%
28.4%	5	5	0	-3.8%
29.6%	5	5	0	-3.8%
30.9%	5	5	0	-3.8%
32.1%	5	5	0	-3.8%
33.3%	5	5	0	-3.7%
34.6%	5	5	0	-2.9%
35.8%	5	5	0	-1.9%
37.0%	5	5	0	-2.7%
38.3%	5	4	0	-3.0%
39.5%	5	4	0	-2.1%
40.7%	5	4	0	-1.1%
42.0%	5	4	0	-1.1%
43.2%	5	4	0	-1.1%
44.4%	4	4	0	0.0%
45.7%	4	4	0	0.0%
46.9%	4	4	0	0.1%
48.1%	4	4	0	0.1%
49.4%	4	4	0	0.1%
50.6%	4	4	0	2.1%
51.9%	4	4	0	2.1%
53.1%	4	4	0	2.1%
54.3%	4	4	0	2.1%
55.6%	4	4	0	3.1%
56.8%	4	4	0	2.8%
58.0%	4	4	0	3.1%
59.3%	4	4	0	4.1%
60.5%	4	4	0	4.3%
61.7%	4	4	0	4.6%
63.0%	4	4	0	6.1%
64.2%	4	4	0	6.2%
65.4%	4	4	0	6.3%
66.7%	4	4	0	5.3%
67.9%	4	4	0	6.1%
69.1%	4	4	0	6.4%
70.4%	4	4	0	6.2%
71.6%	4	4	0	6.4%
72.8%	4	4	0	6.6%
74.1%	4	4	0	7.6%
75.3%	4	4	0	8.4%
76.5%	4	4	0	8.4%
77.8%	4	4	0	10.5%
79.0%	4	4	0	10.7%
80.2%	4	4	0	10.8%
81.5%	4	4	0	11.4%
82.7%	4	4	0	11.6%
84.0%	4	4	0	12.8%
85.2%	4	4	0	12.8%
86.4%	4	4	0	13.4%
87.7%	4	4	1	14.0%
88.9%	4	4	1	16.2%
90.1%	4	4	1	16.8%
91.4%	4	4	0	13.3%
92.6%	3	4	0	14.0%
93.8%	3	4	0	14.4%
95.1%	3	4	1	15.8%
96.3%	3	4	1	16.4%
97.5%	3	4	1	18.9%
98.8%	3	4	1	37.7%
100.0%	3	4	1	38.2%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	-0.7%
1.2%	7	7	0	-1.1%
2.5%	7	7	0	-2.3%
3.7%	7	7	0	-1.3%
4.9%	7	7	0	-1.2%
6.2%	7	7	0	-1.9%
7.4%	7	7	0	-1.9%
8.6%	7	7	0	-1.9%
9.9%	7	7	0	-2.4%
11.1%	7	7	0	-1.4%
12.3%	7	7	0	-0.5%
13.6%	7	7	0	0.0%
14.8%	6	6	0	0.1%
16.0%	6	6	0	7.3%
17.3%	6	6	0	2.5%
18.5%	5	6	0	6.3%
19.8%	5	6	0	5.5%
21.0%	5	5	0	0.9%
22.2%	5	5	0	-2.7%
23.5%	5	5	0	-4.6%
24.7%	5	5	0	-3.6%
25.9%	5	5	0	-6.3%
27.2%	5	5	0	-8.3%
28.4%	5	5	0	-3.8%
29.6%	5	5	0	-3.7%
30.9%	5	4	0	-6.9%
32.1%	5	4	0	-9.0%
33.3%	4	4	0	-3.6%
34.6%	4	4	0	-2.7%
35.8%	4	4	0	-4.1%
37.0%	4	4	0	3.5%
38.3%	4	4	0	3.3%
39.5%	4	4	0	-2.3%
40.7%	4	4	0	0.4%
42.0%	4	4	0	0.9%
43.2%	3	3	0	0.4%
44.4%	3	3	0	2.7%
45.7%	3	3	0	0.1%
46.9%	3	3	0	-1.1%
48.1%	3	3	0	-1.9%
49.4%	3	3	0	-5.3%
50.6%	3	3	0	-4.6%
51.9%	3	3	0	-6.8%
53.1%	3	3	0	-4.2%
54.3%	3	3	0	-3.4%
55.6%	3	3	0	-1.0%
56.8%	3	3	0	-3.2%
58.0%	3	3	0	2.2%
59.3%	3	3	0	2.5%
60.5%	3	3	0	7.0%
61.7%	2	3	0	9.6%
63.0%	2	3	0	10.5%
64.2%	2	3	0	11.4%
65.4%	2	3	0	14.2%
66.7%	2	3	0	17.0%
67.9%	2	3	0	13.5%
69.1%	2	3	0	13.6%
70.4%	2	3	0	13.7%
71.6%	2	3	0	14.0%
72.8%	2	3	0	14.8%
74.1%	2	3	0	16.0%
75.3%	2	3	0	16.1%
76.5%	2	3	0	18.7%
77.8%	2	3	0	19.5%
79.0%	2	2	0	18.3%
80.2%	2	2	0	18.3%
81.5%	2	2	0	17.7%
82.7%	2	2	0	16.3%
84.0%	2	2	0	15.5%
85.2%	2	2	0	15.3%
86.4%	2	2	0	17.8%
87.7%	2	2	0	15.8%
88.9%	2	2	0	15.0%
90.1%	2	2	0	14.0%
91.4%	2	2	0	18.4%
92.6%	2	2	0	18.9%
93.8%	2	2	0	20.8%
95.1%	2	2	0	20.7%
96.3%	2	2	0	21.2%
97.5%	2	2	0	20.8%
98.8%	2	2	0	22.0%
100.0%	2	2	0	17.2%

Figure SW-54-b
Sacramento River below Hamilton City, Monthly Stage
Probability of Exceedance

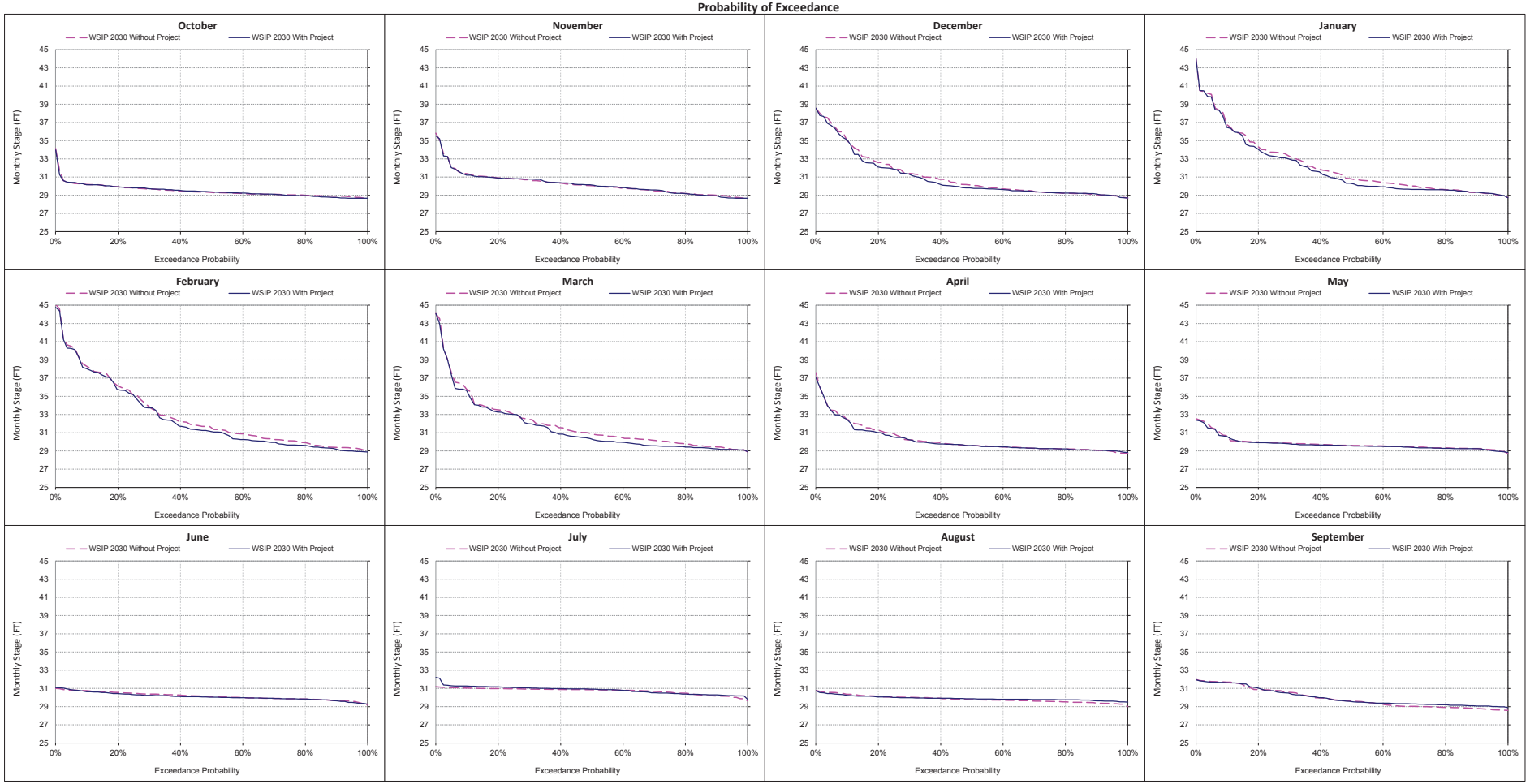


Table SW-54-b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	34	34	0	-0.4%
1.2%	32	31	-1	-1.6%
2.5%	31	31	0	-0.1%
3.7%	30	30	0	0.0%
4.9%	30	30	0	0.1%
6.2%	30	30	0	0.4%
7.4%	30	30	0	0.1%
8.6%	30	30	0	0.3%
9.9%	30	30	0	-0.1%
11.1%	30	30	0	0.0%
12.3%	30	30	0	-0.1%
13.6%	30	30	0	0.0%
14.8%	30	30	0	-0.1%
16.0%	30	30	0	0.0%
17.3%	30	30	0	0.1%
18.5%	30	30	0	0.0%
19.8%	30	30	0	0.0%
21.0%	30	30	0	0.1%
22.2%	30	30	0	0.1%
23.5%	30	30	0	0.1%
24.7%	30	30	0	0.0%
25.9%	30	30	0	0.2%
27.2%	30	30	0	0.3%
28.4%	30	30	0	0.2%
29.6%	30	30	0	0.2%
30.9%	30	30	0	0.1%
32.1%	30	30	0	0.0%
33.3%	30	30	0	0.2%
34.6%	30	30	0	0.2%
35.8%	30	30	0	0.2%
37.0%	30	30	0	0.2%
38.3%	29	30	0	0.2%
39.5%	29	30	0	0.4%
40.7%	29	30	0	0.2%
42.0%	29	29	0	0.2%
43.2%	29	29	0	0.2%
44.4%	29	29	0	0.3%
45.7%	29	29	0	0.3%
46.9%	29	29	0	0.2%
48.1%	29	29	0	0.2%
49.4%	29	29	0	0.2%
50.6%	29	29	0	0.2%
51.9%	29	29	0	0.2%
53.1%	29	29	0	0.2%
54.3%	29	29	0	0.2%
55.6%	29	29	0	0.0%
56.8%	29	29	0	0.1%
58.0%	29	29	0	0.2%
59.3%	29	29	0	0.2%
60.5%	29	29	0	0.2%
61.7%	29	29	0	0.2%
63.0%	29	29	0	0.1%
64.2%	29	29	0	0.1%
65.4%	29	29	0	0.1%
66.7%	29	29	0	0.1%
67.9%	29	29	0	0.1%
69.1%	29	29	0	0.0%
70.4%	29	29	0	0.0%
71.6%	29	29	0	-0.1%
72.8%	29	29	0	0.0%
74.1%	29	29	0	-0.2%
75.3%	29	29	0	-0.2%
76.5%	29	29	0	-0.2%
77.8%	29	29	0	-0.3%
79.0%	29	29	0	-0.3%
80.2%	29	29	0	-0.1%
81.5%	29	29	0	-0.2%
82.7%	29	29	0	-0.3%
84.0%	29	29	0	-0.3%
85.2%	29	29	0	-0.4%
86.4%	29	29	0	-0.3%
87.7%	29	29	0	-0.5%
88.9%	29	29	0	-0.5%
90.1%	29	29	0	-0.5%
91.4%	29	29	0	-0.7%
92.6%	29	29	0	-0.7%
93.8%	29	29	0	-0.6%
95.1%	29	29	0	-0.6%
96.3%	29	29	0	-0.3%
97.5%	29	29	0	-0.3%
98.8%	29	29	0	-0.1%
100.0%	29	29	0	0.0%

November				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	36	36	0	-0.8%
1.2%	35	35	0	0.4%
2.5%	34	33	0	-0.8%
3.7%	33	33	0	-0.2%
4.9%	32	32	0	0.0%
6.2%	32	32	0	-0.3%
7.4%	32	32	0	0.0%
8.6%	31	31	0	-0.1%
9.9%	31	31	0	-0.5%
11.1%	31	31	0	-0.2%
12.3%	31	31	0	-0.2%
13.6%	31	31	0	-0.2%
14.8%	31	31	0	-0.2%
16.0%	31	31	0	-0.2%
17.3%	31	31	0	-0.1%
18.5%	31	31	0	-0.1%
19.8%	31	31	0	-0.1%
21.0%	31	31	0	-0.1%
22.2%	31	31	0	-0.1%
23.5%	31	31	0	0.0%
24.7%	31	31	0	0.0%
25.9%	31	31	0	0.1%
27.2%	31	31	0	0.1%
28.4%	31	31	0	0.3%
29.6%	31	31	0	0.2%
30.9%	31	31	0	0.5%
32.1%	31	31	0	0.5%
33.3%	31	31	0	0.6%
34.6%	30	31	0	0.2%
35.8%	30	30	0	0.0%
37.0%	30	30	0	0.0%
38.3%	30	30	0	0.0%
39.5%	30	30	0	0.1%
40.7%	30	30	0	0.2%
42.0%	30	30	0	0.4%
43.2%	30	30	0	0.4%
44.4%	30	30	0	0.2%
45.7%	30	30	0	0.1%
46.9%	30	30	0	0.1%
48.1%	30	30	0	0.2%
49.4%	30	30	0	0.3%
50.6%	30	30	0	0.2%
51.9%	30	30	0	0.1%
53.1%	30	30	0	0.2%
54.3%	30	30	0	0.3%
55.6%	30	30	0	0.2%
56.8%	30	30	0	0.3%
58.0%	30	30	0	0.1%
59.3%	30	30	0	0.2%
60.5%	30	30	0	0.2%
61.7%	30	30	0	0.2%
63.0%	30	30	0	0.0%
64.2%	30	30	0	0.1%
65.4%	30	30	0	0.0%
66.7%	30	30	0	0.1%
67.9%	30	30	0	0.1%
69.1%	30	30	0	0.1%
70.4%	29	30	0	0.3%
71.6%	29	30	0	0.3%
72.8%	29	30	0	0.2%
74.1%	29	29	0	-0.3%
75.3%	29	29	0	-0.2%
76.5%	29	29	0	-0.2%
77.8%	29	29	0	-0.3%
79.0%	29	29	0	0.0%
80.2%	29	29	0	0.0%
81.5%	29	29	0	-0.1%
82.7%	29	29	0	-0.2%
84.0%	29	29	0	-0.1%
85.2%	29	29	0	-0.1%
86.4%	29	29	0	-0.3%
87.7%	29	29	0	-0.3%
88.9%	29	29	0	-0.3%
90.1%	29	29	0	-0.2%
91.4%	29	29	0	-0.7%
92.6%	29	29	0	-0.6%
93.8%	29	29	0	-0.6%
95.1%	29	29	0	-0.4%
96.3%	29	29	0	-0.4%
97.5%	29	29	0	-0.2%
98.8%	29	29	0	-0.1%
100.0%	29	29	0	0.0%

December				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	39	39	0	0.0%
1.2%	38	38	0	-0.6%
2.5%	38	38	0	0.0%
3.7%	38	37	-1	-1.6%
4.9%	37	37	0	-0.7%
6.2%	36	36	0	-0.4%
7.4%	36	36	0	-0.7%
8.6%	36	35	-1	-1.7%
9.9%	35	35	0	0.1%
11.1%	35	35	0	0.0%
12.3%	34	33	-1	-2.1%
13.6%	34	33	-1	-1.5%
14.8%	33	33	0	-1.4%
16.0%	33	33	-1	-1.9%
17.3%	33	33	-1	-1.7%
18.5%	33	33	0	-0.9%
19.8%	33	32	0	-1.5%
21.0%	33	32	-1	-1.7%
22.2%	32	32	0	-1.2%
23.5%	32	32	0	-1.3%
24.7%	32	32	0	0.0%
25.9%	32	32	0	-0.2%
27.2%	32	31	0	-1.2%
28.4%	31	31	0	0.0%
29.6%	31	31	0	-0.2%
30.9%	31	31	0	-0.8%
32.1%	31	31	0	-0.8%
33.3%	31	31	0	-1.0%
34.6%	31	31	0	-0.7%
35.8%	31	31	0	-1.6%
37.0%	31	30	-1	-1.6%
38.3%	31	30	-1	-1.6%
39.5%	31	30	-1	-1.8%
40.7%	31	30	-1	-2.1%
42.0%	31	30	-1	-2.0%
43.2%	30	30	0	-1.3%
44.4%	30	30	0	-1.4%
45.7%	30	30	0	-0.9%
46.9%	30	30	0	-1.2%
48.1%	30	30	0	-1.2%
49.4%	30	30	0	-1.1%
50.6%	30	30	0	-1.0%
51.9%	30	30	0	-1.0%
53.1%	30	30	0	-0.7%
54.3%	30	30	0	-0.4%
55.6%	30	30	0	-0.6%
56.8%	30	30	0	-0.4%
58.0%	30	30	0	-0.4%
59.3%	30	30	0	-0.2%
60.5%	30	30	0	-0.3%
61.7%	30	30	0	-0.2%
63.0%	30	30	0	-0.4%
64.2%	30	29	0	-0.4%
65.4%	30	29	0	-0.2%
66.7%	30	29	0	-0.2%
67.9%	30	29	0	-0.2%
69.1%	29	29	0	-0.2%
70.4%	29	29	0	0.1%
71.6%	29	29	0	0.0%
72.8%	29	29	0	0.1%
74.1%	29	29	0	0.0%
75.3%	29	29	0	0.0%
76.5%	29	29	0	0.0%
77.8%	29	29	0	0.1%
79.0%	29	29	0	0.1%
80.2%	29	29	0	0.1%
81.5%	29	29	0	0.1%
82.7%	29	29	0	0.1%
84.0%	29	29	0	0.1%
85.2%	29	29	0	0.1%
86.4%	29	29	0	0.1%
87.7%	29	29	0	0.2%
88.9%	29	29	0	0.3%
90.1%	29	29	0	0.3%
91.4%	29	29	0	0.0%
92.6%	29	29	0	0.0%
93.8%	29	29	0	0.0%
95.1%	29	29	0	0.0%
96.3%	29	29	0	0.1%
97.5%	29	29	0	-0.3%
98.8%	29	29	0	-0.1%
100.0%	29	29	0	0.0%

January				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	0.0%
1.2%	41	41	0	0.0%
2.5%	40	40	0	0.2%
3.7%	40	40	0	-0.9%
4.9%	40	40	0	-0.7%
6.2%	39	38	0	-0.5%
7.4%	38	38	0	-0.1%
8.6%	38	38	0	-1.0%
9.9%	37	36	0	-0.9%
11.1%	36	36	0	-0.3%
12.3%	36	36	0	0.1%
13.6%	36	36	0	0.1%
14.8%	36	36	0	-0.7%
16.0%	36	35	-1	-2.8%
17.3%	35	34	0	-1.3%
18.5%	35	34	0	-1.3%
19.8%	34	34	0	-0.9%
21.0%	34	34	0	-0.7%
22.2%	34	34	0	-1.4%
23.5%	34	33	0	-1.1%
24.7%	34	33	0	-1.4%
25.9%	34	33	0	-1.4%
27.2%	34	33	0	-1.4%
28.4%	34	33	0	-1.4%
29.6%	33	33	0	-1.0%
30.9%	33	33	0	-0.8%
32.1%	33	33	0	-0.5%
33.3%	33	32	-1	-1.6%
34.6%	33	32	0	-1.5%
35.8%	32	32	0	-0.4%
37.0%	32	32	0	-1.5%
38.3%	32	32	0	-1.0%
39.5%	32	32	0	-0.8%
40.7%	32	31	0	-1.5%
42.0%	32	31	-1	-1.7%
43.2%	32	31	-1	-2.0%
44.4%	31	31	-1	-1.9%
45.7%	31	31	-1	-2.0%
46.9%	31	31	-1	-1.8%
48.1%	31	30	-1	-1.7%
49.4%	31	30	-1	-1.6%
50.6%	31	30	-1	-1.7%
51.9%	31	30	-1	-2.1%
53.1%	31	30	-1	-1.8%
54.3%	31	30	-1	-2.0%
55.6%	31	30	-1	-2.0%
56.8%	31	30	-1	-2.0%
58.0%	31	30	-1	-1.8%
59.3%	30	30	-1	-1.7%
60.5%	30	30	0	-1.4%
61.7%	30	30	0	-1.6%
63.0%	30	30	0	-1.5%
64.2%	30	30	-1	-1.8%
65.4%	30	30	-1	-1.7%
66.7%	30	30	0	-1.5%
67.9%	30	30	0	-1.3%
69.1%	30	30	0	-1.2%
70.4%	30	30	0	-1.2%
71.6%	30	30	0	-0.8%
72.8%	30	30	0	-0.7%
74.1%	30	30	0	-0.7%
75.3%	30	30	0	-0.5%
76.5%	30	30	0	-0.3%
77.8%	30	30	0	-0.2%
79.0%	30	30	0	-0.2%
80.2%	30	30	0	-0.1%
81.5%	30	30	0	-0.1%
82.7%	30	30	0	-0.1%
84.0%	30	29	0	-0.3%
85.2%	29	29	0	0.0%
86.4%	29	29	0	-0.1%
87.7%	29	29	0	0.2%
88.9%	29	29	0	0.1%
90.1%	29	29	0	0.2%
91.4%	29	29	0	0.1%
92.6%	29	29	0	0.2%
93.8%	29	29	0	0.1%
95.1%	29	29	0	0.0%
96.3%	29	29	0	0.2%
97.5%	29	29	0	0.0%
98.8%	29	29	0	0.5%
100.0%	29	29	0	-0.2%

Table SW-54-b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	45	45	0	-0.7%
1.2%	45	44	0	-0.5%
2.5%	41	41	0	-0.3%
3.7%	41	40	0	-0.9%
4.9%	41	40	0	-0.6%
6.2%	40	40	0	-0.4%
7.4%	39	39	0	0.0%
8.6%	39	38	0	-1.0%
9.9%	38	38	0	-0.7%
11.1%	38	38	0	-0.5%
12.3%	38	38	0	-0.2%
13.6%	38	38	0	-0.1%
14.8%	38	37	0	-0.7%
16.0%	38	37	0	-1.1%
17.3%	37	37	0	0.0%
18.5%	37	37	0	0.0%
19.8%	36	36	0	-1.3%
21.0%	36	36	0	-0.8%
22.2%	36	36	0	-0.5%
23.5%	36	35	0	-0.9%
24.7%	35	35	0	0.0%
25.9%	35	35	0	-1.3%
27.2%	35	34	0	-1.2%
28.4%	34	34	-1	-1.5%
29.6%	34	34	0	-0.6%
30.9%	34	34	0	0.3%
32.1%	33	33	0	0.1%
33.3%	33	33	0	-1.0%
34.6%	33	32	0	-1.4%
35.8%	33	32	0	-1.3%
37.0%	33	32	0	-0.9%
38.3%	32	32	0	-1.3%
39.5%	32	32	-1	-1.6%
40.7%	32	32	-1	-1.6%
42.0%	32	32	-1	-1.7%
43.2%	32	31	-1	-1.6%
44.4%	32	31	0	-1.6%
45.7%	32	31	0	-1.5%
46.9%	32	31	0	-1.4%
48.1%	32	31	0	-1.4%
49.4%	32	31	-1	-1.6%
50.6%	31	31	0	-0.9%
51.9%	31	31	0	-0.9%
53.1%	31	31	0	-0.8%
54.3%	31	31	0	-1.3%
55.6%	31	31	0	-1.1%
56.8%	31	30	-1	-2.1%
58.0%	31	30	-1	-1.9%
59.3%	31	30	-1	-2.1%
60.5%	31	30	-1	-2.0%
61.7%	31	30	-1	-1.8%
63.0%	31	30	-1	-1.8%
64.2%	31	30	-1	-1.8%
65.4%	30	30	0	-1.3%
66.7%	30	30	0	-1.0%
67.9%	30	30	0	-1.2%
69.1%	30	30	0	-1.3%
70.4%	30	30	0	-1.0%
71.6%	30	30	0	-1.6%
72.8%	30	30	0	-1.6%
74.1%	30	30	0	-1.5%
75.3%	30	30	0	-1.5%
76.5%	30	30	0	-1.6%
77.8%	30	30	0	-1.3%
79.0%	30	30	0	-1.1%
80.2%	30	30	0	-1.0%
81.5%	30	30	0	-0.9%
82.7%	30	29	0	-0.6%
84.0%	30	29	0	-0.6%
85.2%	30	29	0	-0.6%
86.4%	29	29	0	-0.3%
87.7%	29	29	0	-0.3%
88.9%	29	29	0	-0.5%
90.1%	29	29	0	-0.7%
91.4%	29	29	0	-1.1%
92.6%	29	29	0	-1.1%
93.8%	29	29	0	-1.2%
95.1%	29	29	0	-1.0%
96.3%	29	29	0	-1.2%
97.5%	29	29	0	-1.0%
98.8%	29	29	0	-0.6%
100.0%	29	29	0	-0.1%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	0.0%
1.2%	44	43	-1	-1.2%
2.5%	40	40	0	-0.2%
3.7%	39	39	0	0.0%
4.9%	38	37	0	-0.7%
6.2%	37	36	-1	-1.9%
7.4%	36	36	-1	-1.9%
8.6%	36	36	-1	-1.5%
9.9%	36	36	0	-0.4%
11.1%	36	35	-1	-2.0%
12.3%	34	34	0	-0.3%
13.6%	34	34	0	-0.3%
14.8%	34	34	0	-0.6%
16.0%	34	34	0	-0.1%
17.3%	34	34	0	-0.7%
18.5%	34	33	0	-0.6%
19.8%	34	33	0	-0.8%
21.0%	33	33	0	-0.7%
22.2%	33	33	0	-1.0%
23.5%	33	33	0	-0.7%
24.7%	33	33	0	-0.1%
25.9%	33	33	0	-0.2%
27.2%	33	33	0	0.3%
28.4%	33	32	0	-1.4%
29.6%	32	32	0	-1.5%
30.9%	32	32	0	-1.5%
32.1%	32	32	0	-0.6%
33.3%	32	32	0	-0.7%
34.6%	32	32	0	-0.7%
35.8%	32	32	0	-0.8%
37.0%	32	31	-1	-2.1%
38.3%	32	31	-1	-2.5%
39.5%	32	31	-1	-2.2%
40.7%	32	31	-1	-2.2%
42.0%	31	31	-1	-2.0%
43.2%	31	31	-1	-1.9%
44.4%	31	31	-1	-1.7%
45.7%	31	31	-1	-1.7%
46.9%	31	30	-1	-1.8%
48.1%	31	30	-1	-1.8%
49.4%	31	30	-1	-1.9%
50.6%	31	30	-1	-2.0%
51.9%	31	30	-1	-2.0%
53.1%	31	30	-1	-2.1%
54.3%	31	30	-1	-2.2%
55.6%	31	30	-1	-1.8%
56.8%	31	30	-1	-1.8%
58.0%	31	30	-1	-1.8%
59.3%	31	30	-1	-1.7%
60.5%	30	30	0	-1.5%
61.7%	30	30	0	-1.6%
63.0%	30	30	-1	-1.8%
64.2%	30	30	-1	-1.9%
65.4%	30	30	-1	-1.8%
66.7%	30	30	-1	-2.2%
67.9%	30	30	-1	-2.2%
69.1%	30	30	-1	-2.1%
70.4%	30	30	-1	-1.9%
71.6%	30	30	-1	-1.9%
72.8%	30	30	-1	-1.8%
74.1%	30	30	-1	-1.8%
75.3%	30	30	0	-1.5%
76.5%	30	29	0	-1.4%
77.8%	30	29	0	-1.2%
79.0%	30	29	0	-1.1%
80.2%	30	29	0	-1.1%
81.5%	30	29	0	-1.0%
82.7%	30	29	0	-0.8%
84.0%	30	29	0	-0.8%
85.2%	30	29	0	-0.7%
86.4%	29	29	0	-0.5%
87.7%	29	29	0	-0.7%
88.9%	29	29	0	-0.8%
90.1%	29	29	0	-0.7%
91.4%	29	29	0	-0.9%
92.6%	29	29	0	-0.6%
93.8%	29	29	0	-0.4%
95.1%	29	29	0	0.0%
96.3%	29	29	0	0.0%
97.5%	29	29	0	-0.1%
98.8%	29	29	0	0.0%
100.0%	29	29	0	0.1%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	37	-1	-1.5%
1.2%	36	36	0	0.0%
2.5%	35	35	0	0.1%
3.7%	34	34	0	0.0%
4.9%	33	33	0	-0.2%
6.2%	33	33	0	-1.4%
7.4%	33	33	0	0.0%
8.6%	33	33	0	-0.7%
9.9%	32	32	0	0.0%
11.1%	32	32	0	-0.8%
12.3%	32	31	-1	-2.1%
13.6%	32	31	-1	-2.0%
14.8%	32	31	-1	-1.6%
16.0%	32	31	0	-1.1%
17.3%	32	31	0	-1.1%
18.5%	31	31	0	-0.6%
19.8%	31	31	0	-0.9%
21.0%	31	31	0	-0.6%
22.2%	31	31	0	-1.0%
23.5%	31	31	0	-0.9%
24.7%	31	31	0	-1.3%
25.9%	31	30	0	-0.8%
27.2%	31	30	0	-0.2%
28.4%	30	30	0	0.5%
29.6%	30	30	0	0.1%
30.9%	30	30	0	-0.1%
32.1%	30	30	0	-0.5%
33.3%	30	30	0	-0.4%
34.6%	30	30	0	-0.3%
35.8%	30	30	0	-0.4%
37.0%	30	30	0	-0.4%
38.3%	30	30	0	-0.5%
39.5%	30	30	0	-0.6%
40.7%	30	30	0	-0.2%
42.0%	30	30	0	-0.2%
43.2%	30	30	0	0.0%
44.4%	30	30	0	0.0%
45.7%	30	30	0	0.1%
46.9%	30	30	0	0.1%
48.1%	30	30	0	-0.1%
49.4%	30	30	0	0.0%
50.6%	30	30	0	0.1%
51.9%	30	30	0	0.0%
53.1%	30	29	0	-0.2%
54.3%	30	29	0	-0.2%
55.6%	30	29	0	-0.1%
56.8%	30	29	0	-0.1%
58.0%	29	29	0	0.0%
59.3%	29	29	0	0.0%
60.5%	29	29	0	0.1%
61.7%	29	29	0	0.0%
63.0%	29	29	0	-0.1%
64.2%	29	29	0	-0.1%
65.4%	29	29	0	-0.1%
66.7%	29	29	0	-0.1%
67.9%	29	29	0	0.0%
69.1%	29	29	0	0.0%
70.4%	29	29	0	0.1%
71.6%	29	29	0	0.0%
72.8%	29	29	0	0.0%
74.1%	29	29	0	0.0%
75.3%	29	29	0	0.0%
76.5%	29	29	0	0.0%
77.8%	29	29	0	0.0%
79.0%	29	29	0	0.0%
80.2%	29	29	0	0.0%
81.5%	29	29	0	-0.1%
82.7%	29	29	0	-0.3%
84.0%	29	29	0	-0.2%
85.2%	29	29	0	-0.1%
86.4%	29	29	0	-0.1%
87.7%	29	29	0	-0.1%
88.9%	29	29	0	-0.1%
90.1%	29	29	0	0.0%
91.4%	29	29	0	0.0%
92.6%	29	29	0	0.0%
93.8%	29	29	0	0.0%
95.1%	29	29	0	0.2%
96.3%	29	29	0	0.6%
97.5%	29	29	0	0.5%
98.8%	29	29	0	0.4%
100.0%	29	29	0	0.2%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	33	32	0	-0.5%
1.2%	32	32	0	-0.3%
2.5%	32	32	0	-0.4%
3.7%	32	32	0	-1.5%
4.9%	32	31	0	-0.3%
6.2%	31	31	0	-0.1%
7.4%	31	31	0	-1.3%
8.6%	31	31	0	-0.3%
9.9%	31	31	0	-0.3%
11.1%	30	30	0	0.7%
12.3%	30	30	0	0.3%
13.6%	30	30	0	-0.1%
14.8%	30	30	0	-0.3%
16.0%	30	30	0	-0.1%
17.3%	30	30	0	-0.2%
18.5%	30	30	0	-0.3%
19.8%	30	30	0	-0.3%
21.0%	30	30	0	-0.1%
22.2%	30	30	0	-0.1%
23.5%	30	30	0	-0.2%
24.7%	30	30	0	-0.2%
25.9%	30	30	0	-0.2%
27.2%	30	30	0	-0.1%
28.4%	30	30	0	-0.1%
29.6%	30	30	0	-0.2%
30.9%	30	30	0	-0.3%
32.1%	30	30	0	-0.2%
33.3%	30	30	0	-0.3%
34.6%	30	30	0	-0.3%
35.8%	30	30	0	-0.3%
37.0%	30	30	0	-0.3%
38.3%	30	30	0	-0.3%
39.5%	30	30	0	-0.2%
40.7%	30	30	0	-0.2%
42.0%	30	30	0	-0.1%
43.2%	30	30	0	-0.2%
44.4%	30	30	0	0.0%
45.7%	30	30	0	0.0%
46.9%	30	30	0	-0.1%
48.1%	30	30	0	-0.2%
49.4%	30	30	0	-0.2%
50.6%	30	30	0	-0.2%
51.9%	30	30	0	-0.2%
53.1%	30	30	0	-0.1%
54.3%	30	30	0	-0.1%
55.6%	30	30	0	-0.2%
56.8%	30	30	0	-0.2%
58.0%	30	30	0	-0.2%
59.3%	30	29	0	-0.2%
60.5%	30	29	0	-0.2%
61.7%	30	29	0	-0.2%
63.0%	29	29	0	-0.1%
64.2%	29	29	0	-0.1%
65.4%	29	29	0	-0.1%
66.7%	29	29	0	-0.2%
67.9%	29	29	0	-0.2%
69.1%	29	29	0	-0.3%
70.4%	29	29	0	-0.3%
71.6%	29	29	0	-0.3%
72.8%	29	29	0	-0.3%
74.1%	29	29	0	-0.2%
75.3%	29	29	0	0.0%
76.5%	29	29	0	-0.1%
77.8%	29	29	0	-0.1%
79.0%	29	29	0	-0.2%
80.2%	29	29	0	-0.2%
81.5%	29	29	0	-0.2%
82.7%	29	29	0	-0.1%
84.0%	29	29	0	-0.1%
85.2%	29	29	0	-0.1%
86.4%	29	29	0	-0.1%
87.7%	29	29	0	-0.1%
88.9%	29	29	0	-0.1%
90.1%	29	29	0	-0.1%
91.4%	29	29	0	-0.2%
92.6%	29	29	0	-0.1%
93.8%	29	29	0	-0.3%
95.1%	29	29	0	-0.3%
96.3%	29	29	0	-0.5%
97.5%	29	29	0	-0.1%
98.8%	29	29	0	-0.1%
100.0%	29	29	0	0.3%

Table SW-54-b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	31	0	0.3%
1.2%	31	31	0	0.3%
2.5%	31	31	0	0.6%
3.7%	31	31	0	0.3%
4.9%	31	31	0	0.1%
6.2%	31	31	0	0.1%
7.4%	31	31	0	0.0%
8.6%	31	31	0	-0.1%
9.9%	31	31	0	-0.4%
11.1%	31	31	0	-0.3%
12.3%	31	31	0	-0.1%
13.6%	31	31	0	-0.2%
14.8%	31	31	0	-0.3%
16.0%	31	31	0	-0.3%
17.3%	31	30	0	-0.5%
18.5%	31	30	0	-0.4%
19.8%	31	30	0	-0.4%
21.0%	31	30	0	-0.4%
22.2%	31	30	0	-0.4%
23.5%	30	30	0	-0.4%
24.7%	30	30	0	-0.6%
25.9%	30	30	0	-0.5%
27.2%	30	30	0	-0.4%
28.4%	30	30	0	-0.5%
29.6%	30	30	0	-0.5%
30.9%	30	30	0	-0.5%
32.1%	30	30	0	-0.5%
33.3%	30	30	0	-0.5%
34.6%	30	30	0	-0.5%
35.8%	30	30	0	-0.4%
37.0%	30	30	0	-0.5%
38.3%	30	30	0	-0.5%
39.5%	30	30	0	-0.5%
40.7%	30	30	0	-0.4%
42.0%	30	30	0	-0.3%
43.2%	30	30	0	-0.4%
44.4%	30	30	0	-0.3%
45.7%	30	30	0	-0.3%
46.9%	30	30	0	-0.3%
48.1%	30	30	0	-0.2%
49.4%	30	30	0	-0.3%
50.6%	30	30	0	-0.2%
51.9%	30	30	0	-0.2%
53.1%	30	30	0	-0.2%
54.3%	30	30	0	-0.2%
55.6%	30	30	0	-0.1%
56.8%	30	30	0	-0.1%
58.0%	30	30	0	-0.1%
59.3%	30	30	0	-0.1%
60.5%	30	30	0	0.0%
61.7%	30	30	0	0.0%
63.0%	30	30	0	0.0%
64.2%	30	30	0	0.0%
65.4%	30	30	0	0.0%
66.7%	30	30	0	0.0%
67.9%	30	30	0	0.1%
69.1%	30	30	0	0.1%
70.4%	30	30	0	0.0%
71.6%	30	30	0	-0.1%
72.8%	30	30	0	0.0%
74.1%	30	30	0	0.0%
75.3%	30	30	0	0.0%
76.5%	30	30	0	0.0%
77.8%	30	30	0	0.0%
79.0%	30	30	0	0.0%
80.2%	30	30	0	0.0%
81.5%	30	30	0	0.0%
82.7%	30	30	0	-0.1%
84.0%	30	30	0	0.0%
85.2%	30	30	0	0.0%
86.4%	30	30	0	0.1%
87.7%	30	30	0	0.0%
88.9%	30	30	0	0.0%
90.1%	30	30	0	0.0%
91.4%	30	30	0	-0.2%
92.6%	30	30	0	-0.2%
93.8%	30	29	0	-0.5%
95.1%	30	29	0	-0.5%
96.3%	30	29	0	-0.4%
97.5%	29	29	0	-0.2%
98.8%	29	29	0	0.2%
100.0%	29	29	0	0.3%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	32	1	3.3%
1.2%	31	32	1	3.1%
2.5%	31	31	0	0.9%
3.7%	31	31	0	0.8%
4.9%	31	31	0	0.7%
6.2%	31	31	0	0.6%
7.4%	31	31	0	0.6%
8.6%	31	31	0	0.7%
9.9%	31	31	0	0.7%
11.1%	31	31	0	0.7%
12.3%	31	31	0	0.7%
13.6%	31	31	0	0.6%
14.8%	31	31	0	0.7%
16.0%	31	31	0	0.7%
17.3%	31	31	0	0.6%
18.5%	31	31	0	0.6%
19.8%	31	31	0	0.6%
21.0%	31	31	0	0.6%
22.2%	31	31	0	0.5%
23.5%	31	31	0	0.5%
24.7%	31	31	0	0.5%
25.9%	31	31	0	0.4%
27.2%	31	31	0	0.4%
28.4%	31	31	0	0.5%
29.6%	31	31	0	0.4%
30.9%	31	31	0	0.4%
32.1%	31	31	0	0.4%
33.3%	31	31	0	0.3%
34.6%	31	31	0	0.3%
35.8%	31	31	0	0.3%
37.0%	31	31	0	0.3%
38.3%	31	31	0	0.3%
39.5%	31	31	0	0.3%
40.7%	31	31	0	0.3%
42.0%	31	31	0	0.3%
43.2%	31	31	0	0.3%
44.4%	31	31	0	0.2%
45.7%	31	31	0	0.3%
46.9%	31	31	0	0.3%
48.1%	31	31	0	0.2%
49.4%	31	31	0	0.2%
50.6%	31	31	0	0.2%
51.9%	31	31	0	0.1%
53.1%	31	31	0	0.1%
54.3%	31	31	0	0.1%
55.6%	31	31	0	0.1%
56.8%	31	31	0	0.2%
58.0%	31	31	0	0.1%
59.3%	31	31	0	0.0%
60.5%	31	31	0	0.0%
61.7%	31	31	0	-0.1%
63.0%	31	31	0	-0.4%
64.2%	31	31	0	-0.3%
65.4%	31	31	0	-0.4%
66.7%	31	31	0	-0.4%
67.9%	31	31	0	-0.4%
69.1%	31	31	0	-0.5%
70.4%	31	31	0	-0.5%
71.6%	31	31	0	-0.5%
72.8%	31	30	0	-0.4%
74.1%	31	30	0	-0.4%
75.3%	31	30	0	-0.4%
76.5%	30	30	0	-0.2%
77.8%	30	30	0	-0.2%
79.0%	30	30	0	-0.3%
80.2%	30	30	0	-0.3%
81.5%	30	30	0	-0.2%
82.7%	30	30	0	0.0%
84.0%	30	30	0	0.2%
85.2%	30	30	0	0.1%
86.4%	30	30	0	0.3%
87.7%	30	30	0	0.3%
88.9%	30	30	0	0.3%
90.1%	30	30	0	0.4%
91.4%	30	30	0	0.3%
92.6%	30	30	0	0.3%
93.8%	30	30	0	0.3%
95.1%	30	30	0	0.7%
96.3%	30	30	0	0.6%
97.5%	30	30	0	1.0%
98.8%	30	30	0	1.1%
100.0%	30	30	0	0.6%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	31	0	0.0%
1.2%	31	31	0	-0.4%
2.5%	31	31	0	-0.2%
3.7%	31	30	0	-0.4%
4.9%	31	30	0	-0.4%
6.2%	31	30	0	-0.6%
7.4%	30	30	0	-0.5%
8.6%	30	30	0	-0.4%
9.9%	30	30	0	-0.4%
11.1%	30	30	0	-0.5%
12.3%	30	30	0	-0.5%
13.6%	30	30	0	-0.3%
14.8%	30	30	0	-0.2%
16.0%	30	30	0	-0.2%
17.3%	30	30	0	-0.1%
18.5%	30	30	0	-0.2%
19.8%	30	30	0	-0.2%
21.0%	30	30	0	-0.1%
22.2%	30	30	0	-0.1%
23.5%	30	30	0	0.0%
24.7%	30	30	0	-0.1%
25.9%	30	30	0	-0.1%
27.2%	30	30	0	-0.2%
28.4%	30	30	0	-0.2%
29.6%	30	30	0	-0.1%
30.9%	30	30	0	-0.1%
32.1%	30	30	0	-0.1%
33.3%	30	30	0	-0.1%
34.6%	30	30	0	-0.1%
35.8%	30	30	0	-0.2%
37.0%	30	30	0	0.0%
38.3%	30	30	0	0.0%
39.5%	30	30	0	0.0%
40.7%	30	30	0	0.2%
42.0%	30	30	0	0.2%
43.2%	30	30	0	0.2%
44.4%	30	30	0	0.3%
45.7%	30	30	0	0.3%
46.9%	30	30	0	0.2%
48.1%	30	30	0	0.3%
49.4%	30	30	0	0.3%
50.6%	30	30	0	0.3%
51.9%	30	30	0	0.3%
53.1%	30	30	0	0.3%
54.3%	30	30	0	0.4%
55.6%	30	30	0	0.4%
56.8%	30	30	0	0.3%
58.0%	30	30	0	0.3%
59.3%	30	30	0	0.3%
60.5%	30	30	0	0.4%
61.7%	30	30	0	0.4%
63.0%	30	30	0	0.4%
64.2%	30	30	0	0.5%
65.4%	30	30	0	0.5%
66.7%	30	30	0	0.5%
67.9%	30	30	0	0.4%
69.1%	30	30	0	0.6%
70.4%	30	30	0	0.6%
71.6%	30	30	0	0.6%
72.8%	30	30	0	0.7%
74.1%	30	30	0	0.7%
75.3%	30	30	0	0.7%
76.5%	30	30	0	0.7%
77.8%	30	30	0	0.7%
79.0%	30	30	0	0.7%
80.2%	30	30	0	0.8%
81.5%	29	30	0	0.8%
82.7%	29	30	0	0.9%
84.0%	29	30	0	0.9%
85.2%	29	30	0	0.9%
86.4%	29	30	0	0.9%
87.7%	29	30	0	0.9%
88.9%	29	30	0	0.7%
90.1%	29	30	0	0.9%
91.4%	29	30	0	1.0%
92.6%	29	30	0	0.9%
93.8%	29	30	0	0.9%
95.1%	29	30	0	1.0%
96.3%	29	30	0	0.9%
97.5%	29	30	0	0.9%
98.8%	29	30	0	0.9%
100.0%	29	29	0	1.7%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	32	32	0	-0.1%
1.2%	32	32	0	-0.1%
2.5%	32	32	0	-0.2%
3.7%	32	32	0	-0.3%
4.9%	32	32	0	-0.2%
6.2%	32	32	0	-0.2%
7.4%	32	32	0	-0.2%
8.6%	32	32	0	-0.2%
9.9%	32	32	0	-0.1%
11.1%	32	32	0	-0.2%
12.3%	32	32	0	0.0%
13.6%	32	32	0	0.0%
14.8%	31	32	0	0.1%
16.0%	31	31	0	1.0%
17.3%	31	31	0	0.3%
18.5%	31	31	0	0.7%
19.8%	31	31	0	0.6%
21.0%	31	31	0	0.2%
22.2%	31	31	0	-0.2%
23.5%	31	31	0	-0.3%
24.7%	31	31	0	-0.1%
25.9%	31	31	0	-0.5%
27.2%	31	31	0	-0.6%
28.4%	31	31	0	-0.2%
29.6%	31	30	0	-0.2%
30.9%	31	30	0	-0.7%
32.1%	30	30	0	-0.6%
33.3%	30	30	0	-0.2%
34.6%	30	30	0	0.0%
35.8%	30	30	0	-0.1%
37.0%	30	30	0	0.0%
38.3%	30	30	0	0.3%
39.5%	30	30	0	0.0%
40.7%	30	30	0	0.1%
42.0%	30	30	0	0.1%
43.2%	30	30	0	-0.1%
44.4%	30	30	0	0.0%
45.7%	30	30	0	-0.2%
46.9%	30	30	0	0.0%
48.1%	30	30	0	-0.1%
49.4%	30	30	0	-0.2%
50.6%	30	30	0	-0.2%
51.9%	30	29	0	-0.3%
53.1%	30	29	0	-0.2%
54.3%	29	29	0	-0.1%
55.6%	29	29	0	0.0%
56.8%	29	29	0	-0.1%
58.0%	29	29	0	0.3%
59.3%	29	29	0	0.3%
60.5%	29	29	0	0.5%
61.7%	29	29	0	0.7%
63.0%	29	29	0	0.8%
64.2%	29	29	0	0.8%
65.4%	29	29	0	0.9%
66.7%	29	29	0	1.0%
67.9%	29	29	0	1.0%
69.1%	29	29	0	0.9%
70.4%	29	29	0	0.9%
71.6%	29	29	0	0.9%
72.8%	29	29	0	0.9%
74.1%	29	29	0	0.9%
75.3%	29	29	0	0.9%
76.5%	29	29	0	0.9%
77.8%	29	29	0	0.9%
79.0%	29	29	0	1.0%
80.2%	29	29	0	1.0%
81.5%	29	29	0	0.9%
82.7%	29	29	0	0.9%
84.0%	29	29	0	0.9%
85.2%	29	29	0	1.0%
86.4%	29	29	0	0.9%
87.7%	29	29	0	1.0%
88.9%	29	29	0	0.9%
90.1%	29	29	0	1.0%
91.4%	29	29	0	1.0%
92.6%	29	29	0	1.1%
93.8%	29	29	0	1.2%
95.1%	29	29	0	1.2%
96.3%	29	29	0	1.2%
97.5%	29	29	0	1.2%
98.8%	29	29	0	1.3%
100.0%	29	29	0	1.1%

Figure SW-56-b
Sacramento River at Wilkins Slough, Monthly Stage
Probability of Exceedance

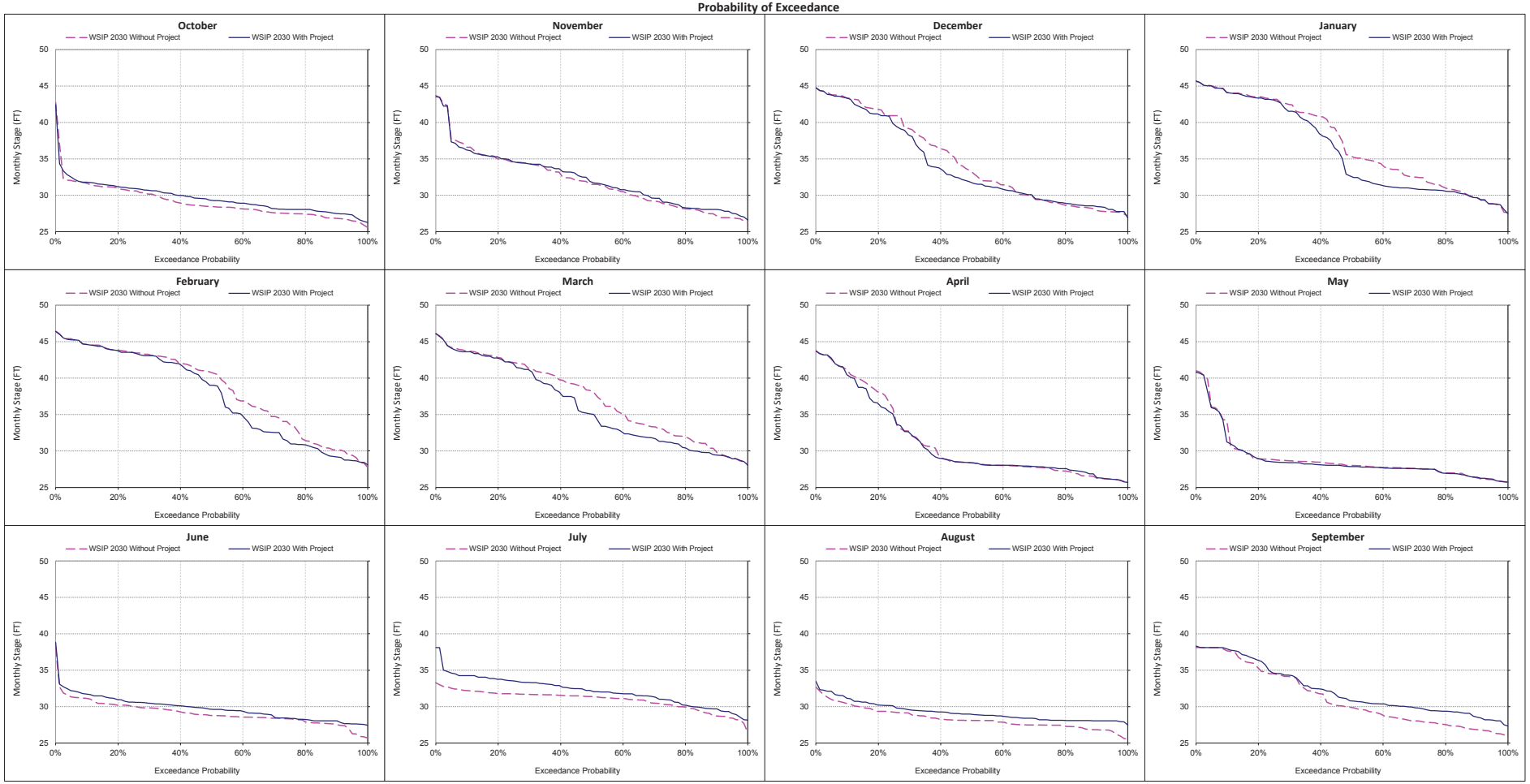


Table SW-56-b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	43	42	0	-0.8%
1.2%	37	34	-3	-7.3%
2.5%	32	33	1	3.4%
3.7%	32	33	1	2.4%
4.9%	32	33	0	1.5%
6.2%	32	32	0	0.8%
7.4%	32	32	0	0.1%
8.6%	32	32	0	0.1%
9.9%	32	32	0	0.4%
11.1%	31	32	0	1.0%
12.3%	31	32	0	1.2%
13.6%	31	32	0	0.9%
14.8%	31	32	0	1.0%
16.0%	31	31	0	0.8%
17.3%	31	31	0	0.7%
18.5%	31	31	0	0.7%
19.8%	31	31	0	0.7%
21.0%	31	31	0	1.0%
22.2%	31	31	0	1.0%
23.5%	31	31	0	1.1%
24.7%	31	31	0	1.0%
25.9%	31	31	0	1.0%
27.2%	30	31	0	1.5%
28.4%	30	31	0	1.2%
29.6%	30	31	1	1.8%
30.9%	30	31	0	1.5%
32.1%	30	31	1	2.2%
33.3%	30	31	1	2.5%
34.6%	30	30	1	2.8%
35.8%	29	30	1	3.1%
37.0%	29	30	1	3.0%
38.3%	29	30	1	3.4%
39.5%	29	30	1	3.6%
40.7%	29	30	1	3.7%
42.0%	29	30	1	3.8%
43.2%	29	30	1	3.9%
44.4%	29	30	1	3.5%
45.7%	29	30	1	3.4%
46.9%	29	30	1	3.6%
48.1%	28	29	1	3.5%
49.4%	28	29	1	3.1%
50.6%	28	29	1	2.9%
51.9%	28	29	1	3.0%
53.1%	28	29	1	3.1%
54.3%	28	29	1	2.8%
55.6%	28	29	1	2.6%
56.8%	28	29	1	2.7%
58.0%	28	29	1	2.6%
59.3%	28	29	1	2.7%
60.5%	28	29	1	2.8%
61.7%	28	29	1	2.6%
63.0%	28	29	1	2.3%
64.2%	28	29	1	2.5%
65.4%	28	29	1	2.5%
66.7%	28	29	1	3.0%
67.9%	28	28	1	2.6%
69.1%	28	28	1	2.1%
70.4%	28	28	1	2.0%
71.6%	28	28	1	2.0%
72.8%	28	28	1	2.0%
74.1%	28	28	1	2.0%
75.3%	27	28	1	2.0%
76.5%	27	28	1	2.2%
77.8%	27	28	1	2.2%
79.0%	27	28	1	2.2%
80.2%	27	28	1	2.4%
81.5%	27	28	1	2.4%
82.7%	27	28	1	2.1%
84.0%	27	28	1	2.2%
85.2%	27	28	1	2.3%
86.4%	27	28	1	3.0%
87.7%	27	28	1	2.9%
88.9%	27	28	1	2.5%
90.1%	27	27	1	2.4%
91.4%	27	27	1	2.5%
92.6%	27	27	1	2.6%
93.8%	27	27	1	2.8%
95.1%	26	27	1	3.1%
96.3%	26	27	0	1.8%
97.5%	26	27	0	1.4%
98.8%	26	26	1	2.0%
100.0%	26	26	1	2.8%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	-0.4%
1.2%	43	43	0	0.0%
2.5%	43	42	0	-0.8%
3.7%	42	42	0	-0.2%
4.9%	38	37	0	-0.9%
6.2%	38	37	0	-1.2%
7.4%	37	37	-1	-1.9%
8.6%	37	37	-1	-1.7%
9.9%	37	36	0	-1.0%
11.1%	37	36	0	-1.3%
12.3%	36	36	0	-1.1%
13.6%	36	36	0	-0.3%
14.8%	35	36	0	0.3%
16.0%	35	35	0	0.0%
17.3%	35	35	0	-0.3%
18.5%	35	35	0	-0.2%
19.8%	35	35	0	0.8%
21.0%	35	35	0	0.3%
22.2%	35	35	0	0.2%
23.5%	35	35	0	0.5%
24.7%	35	35	0	0.3%
25.9%	35	35	0	0.0%
27.2%	35	34	0	-0.3%
28.4%	34	34	0	0.0%
29.6%	34	34	0	0.0%
30.9%	34	34	0	0.0%
32.1%	34	34	0	0.3%
33.3%	34	34	0	0.6%
34.6%	34	34	0	0.0%
35.8%	33	34	0	1.2%
37.0%	33	34	0	1.2%
38.3%	33	34	0	1.3%
39.5%	33	34	0	1.4%
40.7%	32	33	1	2.5%
42.0%	32	33	1	2.4%
43.2%	32	33	1	2.5%
44.4%	32	33	1	2.9%
45.7%	32	33	1	2.1%
46.9%	32	32	1	1.7%
48.1%	32	32	1	1.8%
49.4%	32	32	0	1.2%
50.6%	31	32	0	0.6%
51.9%	31	32	0	0.5%
53.1%	31	32	0	0.6%
54.3%	31	31	0	0.6%
55.6%	31	31	0	1.3%
56.8%	31	31	0	0.8%
58.0%	31	31	0	0.8%
59.3%	31	31	0	0.8%
60.5%	30	31	0	1.0%
61.7%	30	31	1	1.8%
63.0%	30	31	1	1.7%
64.2%	30	30	1	1.8%
65.4%	30	30	1	2.7%
66.7%	30	30	0	1.7%
67.9%	29	30	1	2.4%
69.1%	29	30	0	1.4%
70.4%	29	30	0	1.4%
71.6%	29	30	1	1.7%
72.8%	29	29	0	0.7%
74.1%	29	29	0	0.7%
75.3%	29	29	0	1.0%
76.5%	28	29	0	1.1%
77.8%	28	29	0	1.4%
79.0%	28	28	0	0.5%
80.2%	28	28	0	0.5%
81.5%	28	28	0	0.4%
82.7%	28	28	0	0.5%
84.0%	28	28	0	0.7%
85.2%	28	28	0	1.0%
86.4%	28	28	1	1.9%
87.7%	27	28	1	2.1%
88.9%	27	28	1	2.1%
90.1%	27	28	1	3.3%
91.4%	27	28	1	3.9%
92.6%	27	28	1	3.3%
93.8%	27	28	1	3.3%
95.1%	27	28	1	2.2%
96.3%	27	27	1	2.4%
97.5%	27	27	0	1.5%
98.8%	26	27	1	2.0%
100.0%	26	27	0	1.4%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	45	45	0	0.2%
1.2%	44	44	0	0.0%
2.5%	44	44	0	0.0%
3.7%	44	44	0	-0.6%
4.9%	44	44	0	0.0%
6.2%	44	44	0	-0.4%
7.4%	44	44	0	-0.2%
8.6%	44	43	0	-0.4%
9.9%	43	43	0	0.0%
11.1%	43	43	0	-0.2%
12.3%	43	42	-1	-1.6%
13.6%	43	42	-1	-2.0%
14.8%	42	42	0	-1.0%
16.0%	42	42	0	-0.6%
17.3%	42	41	-1	-1.7%
18.5%	42	41	-1	-1.7%
19.8%	42	41	-1	-1.5%
21.0%	42	41	-1	-1.9%
22.2%	41	41	0	0.0%
23.5%	41	41	0	-0.2%
24.7%	41	40	-1	-2.6%
25.9%	41	39	-1	-3.6%
27.2%	41	39	-2	-4.1%
28.4%	39	39	0	-0.9%
29.6%	39	38	-1	-2.2%
30.9%	39	38	-1	-2.5%
32.1%	38	37	-2	-3.9%
33.3%	38	36	-2	-4.7%
34.6%	38	36	-2	-5.0%
35.8%	37	34	-3	-8.3%
37.0%	37	34	-3	-7.9%
38.3%	37	34	-3	-7.9%
39.5%	36	34	-3	-7.3%
40.7%	36	33	-3	-8.0%
42.0%	36	33	-3	-9.1%
43.2%	36	33	-3	-7.8%
44.4%	35	33	-3	-7.6%
45.7%	34	32	-2	-5.1%
46.9%	34	32	-2	-5.5%
48.1%	34	32	-2	-4.9%
49.4%	33	32	-2	-4.6%
50.6%	33	32	-1	-4.1%
51.9%	33	32	-1	-3.1%
53.1%	32	32	0	-1.5%
54.3%	32	31	-1	-2.2%
55.6%	32	31	-1	-2.3%
56.8%	32	31	-1	-2.8%
58.0%	32	31	-1	-2.3%
59.3%	31	31	-1	-1.7%
60.5%	31	31	-1	-2.1%
61.7%	31	31	-1	-2.1%
63.0%	31	31	0	-1.4%
64.2%	30	30	0	0.2%
65.4%	30	30	0	0.7%
66.7%	30	30	0	0.5%
67.9%	30	30	0	0.3%
69.1%	30	30	0	0.3%
70.4%	29	30	0	0.3%
71.6%	29	29	0	0.3%
72.8%	29	29	0	0.1%
74.1%	29	29	0	0.4%
75.3%	29	29	0	0.8%
76.5%	29	29	0	0.5%
77.8%	29	29	0	0.4%
79.0%	29	29	0	0.8%
80.2%	29	29	0	0.9%
81.5%	29	29	0	1.0%
82.7%	28	29	0	0.8%
84.0%	28	29	0	1.1%
85.2%	28	29	0	0.9%
86.4%	28	29	0	0.8%
87.7%	28	29	0	1.0%
88.9%	28	29	0	1.3%
90.1%	28	28	1	1.9%
91.4%	28	28	1	2.1%
92.6%	28	28	1	2.1%
93.8%	28	28	0	1.2%
95.1%	28	28	0	1.2%
96.3%	28	28	0	0.3%
97.5%	28	28	0	0.4%
98.8%	27	28	0	1.2%
100.0%	27	27	0	-0.9%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.1%
1.2%	45	45	0	0.0%
2.5%	45	45	0	0.0%
3.7%	45	45	0	-0.2%
4.9%	45	45	0	0.0%
6.2%	45	45	0	-0.4%
7.4%	45	45	0	0.0%
8.6%	45	45	0	-0.2%
9.9%	44	44	0	0.0%
11.1%	44	44	0	0.0%
12.3%	44	44	0	-0.2%
13.6%	44	44	0	-0.2%
14.8%	44	44	0	-0.2%
16.0%	44	44	0	-0.6%
17.3%	44	44	0	-0.2%
18.5%	44	43	0	-0.2%
19.8%	44	43	0	-0.4%
21.0%	44	43	0	-0.4%
22.2%	43	43	0	-0.4%
23.5%	43	43	0	-0.2%
24.7%	43	43	0	-0.2%
25.9%	43	43	0	-0.6%
27.2%	43	43	0	-0.2%
28.4%	43	42	-1	-1.6%
29.6%	42	42	-1	-2.2%
30.9%	42	42	-1	-2.0%
32.1%	42	41	0	-0.4%
33.3%	41	41	-1	-1.5%
34.6%	41	40	-1	-2.3%
35.8%	41	40	-1	-2.6%
37.0%	41	40	-1	-3.4%
38.3%	41	39	-2	-4.1%
39.5%	41	38	-2	-5.8%
40.7%	41	38	-3	-6.5%
42.0%	40	38	-2	-6.1%
43.2%	39	37	-2	-4.7%
44.4%	39	37	-3	-7.0%
45.7%	38	36	-2	-6.1%
46.9%	37	35	-2	-6.4%
48.1%	36	33	-3	-7.5%
49.4%	35	33	-3	-7.9%
50.6%	35	32	-3	-7.8%
51.9%	35	32	-3	-7.6%
53.1%	35	32	-3	-8.6%
54.3%	35	32	-3	-8.4%
55.6%	35	32	-3	-8.5%
56.8%	35	32	-3	-8.9%
58.0%	35	32	-3	-8.7%
59.3%	34	31	-3	-8.6%
60.5%	34	31	-3	-7.7%
61.7%	34	31	-2	-7.3%
63.0%	34	31	-2	-7.2%
64.2%	34	31	-2	-7.3%
65.4%	33	31	-2	-7.3%
66.7%	33	31	-2	-5.4%
67.9%	33	31	-2	-5.0%
69.1%	33	31	-2	-4.8%
70.4%	33	31	-2	-5.1%
71.6%	32	31	-2	-5.0%
72.8%	32	31	-2	-5.0%
74.1%	32	31	-1	-3.3%
75.3%	32	31	-1	-2.9%
76.5%	31	31	-1	-2.4%
77.8%	31	31	-1	-2.4%
79.0%	31	31	-1	-1.6%
80.2%	31	31	0	-1.3%
81.5%	31	31	0	-1.0%
82.7%	31	30	0	-0.9%
84.0%	31	30	0	-0.9%
85.2%	31	30	0	-1.0%
86.4%	30	30	0	-0.2%
87.7%	30	30	0	-0.3%
88.9%	30	30	0	-0.3%
90.1%	30	30	0	0.0%
91.4%	29	29	0	-0.2%
92.6%	29	29	0	-0.2%
93.8%	29	29	0	0.0%
95.1%	29	29	0	-0.2%
96.3%	29	29	0	0.2%
97.5%	29	29	0	0.1%
98.8%	28	28	0	1.4%
100.0%	28	27	0	-0.6%

Table SW-56-b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	-0.2%
1.2%	46	46	0	-0.2%
2.5%	45	45	0	0.0%
3.7%	45	45	0	-0.2%
4.9%	45	45	0	-0.3%
6.2%	45	45	0	0.2%
7.4%	45	45	0	0.0%
8.6%	45	45	0	0.0%
9.9%	45	45	0	0.0%
11.1%	45	45	0	0.0%
12.3%	45	44	0	-0.2%
13.6%	45	44	0	-0.3%
14.8%	44	44	0	-0.2%
16.0%	44	44	0	-0.2%
17.3%	44	44	0	0.0%
18.5%	44	44	0	0.0%
19.8%	44	44	0	-0.2%
21.0%	44	44	0	-0.6%
22.2%	44	44	0	-0.4%
23.5%	44	44	0	-0.4%
24.7%	44	44	0	0.0%
25.9%	43	43	0	-0.2%
27.2%	43	43	0	-0.6%
28.4%	43	43	0	-0.4%
29.6%	43	43	0	-0.4%
30.9%	43	43	0	0.0%
32.1%	43	43	0	-0.2%
33.3%	43	43	0	-1.0%
34.6%	43	42	-1	-1.6%
35.8%	43	42	-1	-1.6%
37.0%	43	42	0	-1.0%
38.3%	43	42	-1	-1.2%
39.5%	42	42	0	-0.2%
40.7%	42	42	0	-0.8%
42.0%	42	41	-1	-1.9%
43.2%	42	41	-1	-1.7%
44.4%	41	41	-1	-1.7%
45.7%	41	40	-1	-1.5%
46.9%	41	40	-1	-3.0%
48.1%	41	40	-1	-3.6%
49.4%	41	39	-2	-4.5%
50.6%	41	39	-2	-4.1%
51.9%	40	39	-2	-3.9%
53.1%	40	38	-2	-4.6%
54.3%	39	36	-3	-8.4%
55.6%	39	36	-3	-7.0%
56.8%	38	35	-3	-8.1%
58.0%	37	35	-2	-5.0%
59.3%	37	35	-2	-4.8%
60.5%	37	35	-2	-6.3%
61.7%	37	34	-3	-7.0%
63.0%	36	33	-3	-8.3%
64.2%	36	33	-3	-8.1%
65.4%	36	33	-3	-8.1%
66.7%	36	33	-3	-8.2%
67.9%	35	33	-3	-8.1%
69.1%	35	33	-2	-6.2%
70.4%	35	33	-2	-6.3%
71.6%	35	33	-2	-5.8%
72.8%	34	32	-2	-7.1%
74.1%	34	31	-3	-7.7%
75.3%	34	31	-3	-7.7%
76.5%	33	31	-2	-7.0%
77.8%	33	31	-2	-5.2%
79.0%	32	31	-1	-2.4%
80.2%	31	31	-1	-1.8%
81.5%	31	31	-1	-2.2%
82.7%	31	30	-1	-1.8%
84.0%	31	30	-1	-1.9%
85.2%	31	30	-1	-2.4%
86.4%	30	30	-1	-2.9%
87.7%	30	29	-1	-3.5%
88.9%	30	29	-1	-3.0%
90.1%	30	29	-1	-3.2%
91.4%	30	29	-1	-3.3%
92.6%	30	29	-1	-4.0%
93.8%	29	29	-1	-2.3%
95.1%	29	29	-1	-2.5%
96.3%	29	29	0	-1.5%
97.5%	28	28	0	0.4%
98.8%	28	28	0	0.2%
100.0%	28	28	0	1.3%

March

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.0%
1.2%	46	46	0	-0.2%
2.5%	45	45	0	-0.2%
3.7%	44	44	0	0.0%
4.9%	44	44	0	-0.2%
6.2%	44	44	0	-0.6%
7.4%	44	44	0	-0.6%
8.6%	44	44	0	-0.6%
9.9%	44	44	0	-0.2%
11.1%	44	44	0	-0.2%
12.3%	44	43	0	-0.6%
13.6%	43	43	0	-0.2%
14.8%	43	43	0	-0.6%
16.0%	43	43	0	-0.4%
17.3%	43	43	0	-0.2%
18.5%	43	43	0	-0.8%
19.8%	43	43	0	-0.2%
21.0%	43	43	0	-0.4%
22.2%	42	42	0	0.0%
23.5%	42	42	0	0.0%
24.7%	42	42	0	-0.2%
25.9%	42	41	-1	-1.5%
27.2%	42	41	-1	-1.5%
28.4%	42	41	-1	-1.7%
29.6%	41	41	0	-0.4%
30.9%	41	41	0	-1.1%
32.1%	41	40	-1	-2.8%
33.3%	41	40	-1	-3.0%
34.6%	41	39	-1	-3.4%
35.8%	41	39	-1	-3.7%
37.0%	40	39	-1	-3.7%
38.3%	40	38	-2	-4.8%
39.5%	40	38	-2	-4.2%
40.7%	40	37	-2	-5.5%
42.0%	39	37	-2	-4.7%
43.2%	39	37	-2	-4.5%
44.4%	39	37	-2	-4.7%
45.7%	39	36	-3	-8.8%
46.9%	39	35	-4	-9.5%
48.1%	38	35	-3	-8.3%
49.4%	38	35	-3	-8.4%
50.6%	38	35	-3	-8.0%
51.9%	37	34	-3	-8.4%
53.1%	37	33	-4	-9.6%
54.3%	36	33	-3	-7.6%
55.6%	36	33	-3	-8.0%
56.8%	36	33	-3	-8.5%
58.0%	35	33	-2	-7.0%
59.3%	35	33	-2	-7.0%
60.5%	35	32	-3	-7.6%
61.7%	34	32	-2	-5.3%
63.0%	34	32	-2	-5.4%
64.2%	34	32	-2	-5.1%
65.4%	34	32	-2	-5.2%
66.7%	34	32	-2	-5.1%
67.9%	33	32	-2	-4.8%
69.1%	33	32	-2	-4.6%
70.4%	33	32	-2	-4.9%
71.6%	33	31	-2	-5.2%
72.8%	33	31	-2	-5.1%
74.1%	33	31	-1	-4.2%
75.3%	32	31	-1	-3.8%
76.5%	32	31	-1	-3.3%
77.8%	32	31	-1	-3.4%
79.0%	32	30	-2	-4.8%
80.2%	32	30	-2	-4.7%
81.5%	32	30	-2	-5.0%
82.7%	31	30	-1	-4.0%
84.0%	31	30	-1	-3.8%
85.2%	31	30	-1	-3.9%
86.4%	31	30	-1	-4.0%
87.7%	30	30	-1	-1.9%
88.9%	30	29	-1	-2.9%
90.1%	30	29	0	-1.2%
91.4%	30	29	0	-0.6%
92.6%	29	29	0	-0.1%
93.8%	29	29	0	0.2%
95.1%	29	29	0	-0.6%
96.3%	29	29	0	0.1%
97.5%	29	29	0	0.3%
98.8%	29	29	0	0.1%
100.0%	28	28	0	-0.7%

April

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	-0.2%
1.2%	43	43	0	0.0%
2.5%	43	43	0	0.0%
3.7%	43	43	0	0.2%
4.9%	43	43	0	0.4%
6.2%	42	42	0	0.0%
7.4%	42	42	0	0.0%
8.6%	41	42	0	0.2%
9.9%	41	40	-1	-1.7%
11.1%	40	40	0	-0.9%
12.3%	40	40	0	-0.7%
13.6%	40	39	-1	-3.0%
14.8%	40	39	-1	-2.4%
16.0%	39	39	-1	-2.0%
17.3%	39	37	-2	-4.3%
18.5%	39	37	-2	-4.9%
19.8%	38	37	-2	-4.0%
21.0%	38	36	-2	-5.3%
22.2%	38	36	-2	-4.6%
23.5%	37	35	-1	-3.5%
24.7%	36	35	-1	-2.1%
25.9%	34	34	0	0.3%
27.2%	33	33	0	1.2%
28.4%	33	33	0	-0.2%
29.6%	33	33	0	-0.4%
30.9%	32	32	0	0.2%
32.1%	32	32	0	-0.4%
33.3%	31	31	0	0.0%
34.6%	31	31	0	-0.9%
35.8%	31	30	0	-1.6%
37.0%	31	30	-1	-3.3%
38.3%	30	29	-1	-4.0%
39.5%	29	29	0	-0.9%
40.7%	29	29	0	0.2%
42.0%	29	29	0	0.1%
43.2%	29	29	0	0.4%
44.4%	28	29	0	0.1%
45.7%	28	29	0	0.1%
46.9%	28	28	0	0.1%
48.1%	28	28	0	0.0%
49.4%	28	28	0	0.1%
50.6%	28	28	0	0.1%
51.9%	28	28	0	0.0%
53.1%	28	28	0	-0.3%
54.3%	28	28	0	-0.2%
55.6%	28	28	0	-0.2%
56.8%	28	28	0	0.1%
58.0%	28	28	0	0.1%
59.3%	28	28	0	0.1%
60.5%	28	28	0	0.2%
61.7%	28	28	0	0.3%
63.0%	28	28	0	0.3%
64.2%	28	28	0	0.2%
65.4%	28	28	0	0.2%
66.7%	28	28	0	0.3%
67.9%	28	28	0	0.3%
69.1%	28	28	0	0.4%
70.4%	28	28	0	0.3%
71.6%	28	28	0	0.3%
72.8%	28	28	0	0.4%
74.1%	28	28	0	0.4%
75.3%	28	28	0	0.4%
76.5%	27	28	0	1.2%
77.8%	27	28	0	1.0%
79.0%	27	28	0	1.1%
80.2%	27	28	0	1.2%
81.5%	27	27	0	0.8%
82.7%	27	27	0	1.5%
84.0%	27	27	0	1.4%
85.2%	27	27	1	2.2%
86.4%	27	27	1	2.0%
87.7%	27	27	0	1.2%
88.9%	27	27	0	1.2%
90.1%	26	26	0	0.3%
91.4%	26	26	0	0.1%
92.6%	26	26	0	0.2%
93.8%	26	26	0	-0.1%
95.1%	26	26	0	0.0%
96.3%	26	26	0	0.0%
97.5%	26	26	0	0.1%
98.8%	26	26	0	-0.2%
100.0%	26	26	0	-0.1%

May

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	41	41	0	-0.4%
1.2%	41	41	0	-0.4%
2.5%	40	40	0	0.0%
3.7%	40	38	-2	-4.4%
4.9%	36	36	0	-0.2%
6.2%	36	36	0	-0.5%
7.4%	35	35	0	-0.3%
8.6%	34	34	0	-0.3%
9.9%	34	31	-3	-8.5%
11.1%	31	31	0	0.9%
12.3%	30	31	0	1.2%
13.6%	30	30	0	0.0%
14.8%	30	30	0	0.2%
16.0%	30	30	0	0.6%
17.3%	30	30	0	-0.1%
18.5%	29	29	0	1.0%
19.8%	29	29	0	0.2%
21.0%	29	29	0	-0.1%
22.2%	29	29	0	-0.9%
23.5%	29	29	0	-1.0%
24.7%	29	29	0	-1.1%
25.9%	29	28	0	-1.0%
27.2%	29	28	0	-1.0%
28.4%	29	28	0	-1.0%
29.6%	29	28	0	-1.0%
30.9%	29	28	0	-0.8%
32.1%	29	28	0	-0.8%
33.3%	29	28	0	-0.7%
34.6%	29	28	0	-1.2%
35.8%	29	28	0	-1.2%
37.0%	29	28	0	-1.1%
38.3%	28	28	0	-1.2%
39.5%	28	28	0	-1.2%
40.7%	28	28	0	-1.2%
42.0%	28	28	0	-1.0%
43.2%	28	28	0	-0.8%
44.4%	28	28	0	-0.8%
45.7%	28	28	0	-0.5%
46.9%	28	28	0	-0.7%
48.1%	28	28	0	-0.4%
49.4%	28	28	0	-0.5%
50.6%	28	28	0	-0.6%
51.9%	28	28	0	-0.5%
53.1%	28	28	0	-0.6%
54.3%	28	28	0	-0.5%
55.6%	28	28	0	-0.2%
56.8%	28	28	0	-0.2%
58.0%	28	28	0	-0.1%
59.3%	28	28	0	-0.1%
60.5%	28	28	0	-0.3%
61.7%	28	28	0	-0.3%
63.0%	28	28	0	-0.3%
64.2%	28	28	0	-0.3%
65.4%	28	28	0	-0.3%
66.7%	28	28	0	-0.2%
67.9%	28	28	0	-0.2%
69.1%	28	28	0	-0.1%
70.4%	28	28	0	-0.1%
71.6%	28	28	0	-0.1%
72.8%	28	28	0	-0.1%
74.1%	28	28	0	-0.1%
75.3%	28	27	0	0.0%
76.5%	28	27	0	-0.1%
77.8%	27	27	0	-0.2%
79.0%	27	27	0	-0.3%
80.2%	27	27	0	-0.2%
81.5%	27	27	0	-0.3%
82.7%	27	27	0	-0.3%
84.0%	27	27	0	-0.2%
85.2%	27	27	0	-0.6%
86.4%	27	27	0	0.1%
87.7%	26	27	0	0.2%
88.9%	26	26	0	-0.2%
90.1%	26	26	0	0.3%
91.4%	26	26	0	0.3%
92.6%	26	26	0	0.4%
93.8%	26	26	0	0.3%
95.1%	26	26	0	0.3%
96.3%	26	26	0	-0.1%
97.5%	26	26	0	-0.2%
98.8%	26	26	0	-0.2%
100.0%	26	26	0	-0.1%

Table SW-56-b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	39	1	1.9%
1.2%	33	33	0	1.1%
2.5%	32	33	1	2.7%
3.7%	32	32	1	2.8%
4.9%	31	32	1	2.7%
6.2%	31	32	1	2.7%
7.4%	31	32	1	2.4%
8.6%	31	32	1	2.0%
9.9%	31	32	1	1.9%
11.1%	31	32	1	2.0%
12.3%	31	31	1	2.6%
13.6%	30	31	1	3.4%
14.8%	30	31	1	3.4%
16.0%	30	31	1	3.0%
17.3%	30	31	1	2.8%
18.5%	30	31	1	2.8%
19.8%	30	31	1	2.5%
21.0%	30	31	1	2.5%
22.2%	30	31	1	1.7%
23.5%	30	31	0	1.6%
24.7%	30	31	1	2.0%
25.9%	30	31	1	2.1%
27.2%	30	31	1	2.4%
28.4%	30	31	1	2.4%
29.6%	30	30	1	2.2%
30.9%	30	30	1	2.1%
32.1%	30	30	1	2.0%
33.3%	30	30	1	2.2%
34.6%	30	30	1	2.3%
35.8%	30	30	1	2.3%
37.0%	30	30	1	2.4%
38.3%	29	30	1	2.3%
39.5%	29	30	1	2.7%
40.7%	29	30	1	3.1%
42.0%	29	30	1	3.1%
43.2%	29	30	1	3.1%
44.4%	29	30	1	3.3%
45.7%	29	30	1	3.3%
46.9%	29	30	1	3.2%
48.1%	29	30	1	3.0%
49.4%	29	30	1	3.0%
50.6%	29	30	1	3.0%
51.9%	29	30	1	2.9%
53.1%	29	30	1	3.0%
54.3%	29	30	1	2.7%
55.6%	29	29	1	3.0%
56.8%	29	29	1	3.0%
58.0%	29	29	1	2.9%
59.3%	29	29	1	3.0%
60.5%	29	29	1	2.6%
61.7%	29	29	1	2.0%
63.0%	29	29	1	2.0%
64.2%	29	29	1	1.9%
65.4%	29	29	1	2.0%
66.7%	29	29	0	1.7%
67.9%	28	29	0	1.7%
69.1%	28	29	0	1.6%
70.4%	28	28	0	0.3%
71.6%	28	28	0	0.2%
72.8%	28	28	0	0.2%
74.1%	28	28	0	0.3%
75.3%	28	28	0	0.2%
76.5%	28	28	0	0.4%
77.8%	28	28	0	0.3%
79.0%	28	28	0	0.3%
80.2%	28	28	0	1.4%
81.5%	28	28	0	1.2%
82.7%	28	28	0	1.1%
84.0%	28	28	0	1.1%
85.2%	28	28	0	1.2%
86.4%	28	28	0	1.3%
87.7%	28	28	0	1.5%
88.9%	28	28	0	1.5%
90.1%	28	28	1	2.0%
91.4%	27	28	0	1.4%
92.6%	27	28	0	1.0%
93.8%	27	28	1	2.4%
95.1%	26	28	1	5.1%
96.3%	26	28	1	5.2%
97.5%	26	28	2	6.5%
98.8%	26	28	2	6.6%
100.0%	26	27	2	6.8%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	33	38	5	14.5%
1.2%	33	38	5	15.6%
2.5%	33	35	2	6.9%
3.7%	33	35	2	6.4%
4.9%	33	35	2	6.5%
6.2%	32	35	2	6.5%
7.4%	32	34	2	5.7%
8.6%	32	34	2	6.2%
9.9%	32	34	2	6.3%
11.1%	32	34	2	6.4%
12.3%	32	34	2	6.6%
13.6%	32	34	2	6.1%
14.8%	32	34	2	6.2%
16.0%	32	34	2	6.5%
17.3%	32	34	2	6.2%
18.5%	32	34	2	6.2%
19.8%	32	34	2	6.1%
21.0%	32	34	2	6.2%
22.2%	32	34	2	5.9%
23.5%	32	34	2	5.6%
24.7%	32	34	2	5.6%
25.9%	32	33	2	5.4%
27.2%	32	33	2	5.2%
28.4%	32	33	2	5.2%
29.6%	32	33	2	5.3%
30.9%	32	33	2	5.2%
32.1%	32	33	2	5.2%
33.3%	32	33	2	4.9%
34.6%	32	33	2	4.8%
35.8%	32	33	1	4.5%
37.0%	32	33	1	4.5%
38.3%	32	33	1	4.2%
39.5%	32	33	1	4.2%
40.7%	32	33	1	3.6%
42.0%	32	33	1	3.5%
43.2%	31	32	1	3.2%
44.4%	31	32	1	3.2%
45.7%	31	32	1	3.1%
46.9%	31	32	1	3.1%
48.1%	31	32	1	2.7%
49.4%	31	32	1	2.6%
50.6%	31	32	1	2.2%
51.9%	31	32	1	2.3%
53.1%	31	32	1	2.4%
54.3%	31	32	1	2.4%
55.6%	31	32	1	2.5%
56.8%	31	32	1	2.3%
58.0%	31	32	1	2.2%
59.3%	31	32	1	2.2%
60.5%	31	32	1	2.1%
61.7%	31	32	1	2.4%
63.0%	31	32	1	2.6%
64.2%	31	32	1	1.9%
65.4%	31	32	1	1.9%
66.7%	31	31	1	1.9%
67.9%	31	31	1	2.7%
69.1%	31	31	1	2.9%
70.4%	30	31	1	2.6%
71.6%	30	31	1	1.9%
72.8%	30	31	1	2.3%
74.1%	30	31	1	2.2%
75.3%	30	31	1	2.2%
76.5%	30	31	0	1.6%
77.8%	30	31	1	2.0%
79.0%	30	30	0	0.8%
80.2%	30	30	0	0.9%
81.5%	30	30	0	1.0%
82.7%	30	30	0	0.8%
84.0%	29	30	0	1.4%
85.2%	29	30	1	1.8%
86.4%	29	30	1	2.1%
87.7%	29	30	1	2.2%
88.9%	29	30	1	3.3%
90.1%	29	30	1	3.4%
91.4%	29	29	1	2.6%
92.6%	29	29	1	2.4%
93.8%	28	29	1	3.1%
95.1%	28	29	1	2.1%
96.3%	28	29	1	2.6%
97.5%	28	29	0	1.3%
98.8%	28	28	1	1.9%
100.0%	26	28	2	6.8%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	33	33	1	2.3%
1.2%	32	32	0	0.6%
2.5%	32	32	1	1.9%
3.7%	31	32	1	2.7%
4.9%	31	32	1	3.7%
6.2%	31	32	1	2.8%
7.4%	31	32	1	2.7%
8.6%	31	32	1	3.1%
9.9%	30	31	1	2.4%
11.1%	30	31	1	2.4%
12.3%	30	31	1	2.1%
13.6%	30	31	1	2.3%
14.8%	30	31	1	2.4%
16.0%	30	31	1	2.8%
17.3%	30	30	1	2.3%
18.5%	30	30	1	2.9%
19.8%	29	30	1	3.0%
21.0%	29	30	1	2.9%
22.2%	29	30	1	2.7%
23.5%	29	30	1	2.8%
24.7%	29	30	1	3.0%
25.9%	29	30	1	2.0%
27.2%	29	30	1	2.1%
28.4%	29	30	1	1.9%
29.6%	29	30	0	1.5%
30.9%	29	29	1	2.2%
32.1%	29	29	1	2.2%
33.3%	29	29	1	2.4%
34.6%	29	29	1	2.4%
35.8%	29	29	1	2.7%
37.0%	28	29	1	3.2%
38.3%	28	29	1	3.1%
39.5%	28	29	1	3.4%
40.7%	28	29	1	3.5%
42.0%	28	29	1	3.6%
43.2%	28	29	1	3.1%
44.4%	28	29	1	3.3%
45.7%	28	29	1	3.3%
46.9%	28	29	1	3.1%
48.1%	28	29	1	3.1%
49.4%	28	29	1	3.1%
50.6%	28	29	1	2.8%
51.9%	28	29	1	2.7%
53.1%	28	29	1	2.7%
54.3%	28	29	1	2.6%
55.6%	28	29	1	2.5%
56.8%	28	29	1	2.5%
58.0%	28	29	1	3.0%
59.3%	28	29	1	3.0%
60.5%	28	29	1	2.9%
61.7%	28	29	1	3.5%
63.0%	28	29	1	3.3%
64.2%	28	28	1	3.4%
65.4%	28	28	1	3.3%
66.7%	28	28	1	3.3%
67.9%	27	28	1	3.4%
69.1%	27	28	1	3.3%
70.4%	27	28	1	3.3%
71.6%	27	28	1	2.6%
72.8%	27	28	1	2.6%
74.1%	27	28	1	2.6%
75.3%	27	28	1	2.5%
76.5%	27	28	1	2.5%
77.8%	27	28	1	2.4%
79.0%	27	28	1	2.4%
80.2%	27	28	1	3.0%
81.5%	27	28	1	3.1%
82.7%	27	28	1	3.1%
84.0%	27	28	1	3.4%
85.2%	27	28	1	3.6%
86.4%	27	28	1	4.3%
87.7%	27	28	1	4.6%
88.9%	27	28	1	4.5%
90.1%	27	28	1	4.6%
91.4%	27	28	1	4.7%
92.6%	27	28	1	4.7%
93.8%	27	28	1	4.8%
95.1%	27	28	1	5.5%
96.3%	26	28	2	7.1%
97.5%	26	28	2	7.6%
98.8%	26	28	2	9.0%
100.0%	26	27	2	7.5%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	38	0	0.5%
1.2%	38	38	0	0.0%
2.5%	38	38	0	0.0%
3.7%	38	38	0	0.0%
4.9%	38	38	0	0.0%
6.2%	38	38	0	0.0%
7.4%	38	38	0	0.0%
8.6%	38	38	0	0.5%
9.9%	38	38	0	0.7%
11.1%	38	38	0	0.5%
12.3%	38	38	0	0.3%
13.6%	37	38	1	2.2%
14.8%	36	37	1	2.0%
16.0%	36	37	1	2.5%
17.3%	36	37	1	2.1%
18.5%	36	37	1	1.8%
19.8%	35	36	1	2.9%
21.0%	35	36	1	4.0%
22.2%	35	36	1	2.7%
23.5%	35	35	0	1.1%
24.7%	35	35	0	0.3%
25.9%	34	35	0	0.3%
27.2%	34	35	0	0.5%
28.4%	34	34	0	0.6%
29.6%	34	34	0	0.6%
30.9%	34	34	0	0.6%
32.1%	34	34	0	0.0%
33.3%	33	33	1	1.6%
34.6%	33	33	0	0.9%
35.8%	32	33	1	2.1%
37.0%	32	32	0	1.1%
38.3%	32	32	1	1.6%
39.5%	32	32	1	2.1%
40.7%	32	32	1	2.1%
42.0%	31	32	2	5.1%
43.2%	30	32	2	5.7%
44.4%	30	32	2	5.2%
45.7%	30	31	1	4.0%
46.9%	30	31	1	3.6%
48.1%	30	31	1	3.9%
49.4%	30	31	1	2.9%
50.6%	30	31	1	3.1%
51.9%	30	31	1	3.4%
53.1%	30	31	1	3.5%
54.3%	30	31	1	3.4%
55.6%	29	30	1	3.9%
56.8%	29	30	1	3.9%
58.0%	29	30	1	4.3%
59.3%	29	30	1	4.9%
60.5%	29	30	2	5.9%
61.7%	29	30	2	5.5%
63.0%	29	30	2	5.6%
64.2%	28	30	2	5.9%
65.4%	28	30	2	6.0%
66.7%	28	30	2	6.2%
67.9%	28	30	2	6.4%
69.1%	28	30	2	6.7%
70.4%	28	30	2	6.4%
71.6%	28	30	2	6.4%
72.8%	28	30	2	6.4%
74.1%	28	30	2	6.1%
75.3%	28	29	2	5.9%
76.5%	28	29	2	6.0%
77.8%	28	29	2	6.4%
79.0%	28	29	2	6.4%
80.2%	28	29	2	6.7%
81.5%	27	29	2	7.1%
82.7%	27	29	2	7.0%
84.0%	27	29	2	7.2%
85.2%	27	29	2	7.1%
86.4%	27	29	2	7.7%
87.7%	27	29	2	7.9%
88.9%	27	29	2	6.7%
90.1%	27	29	2	6.4%
91.4%	27	28	2	6.0%
92.6%	27	28	2	5.6%
93.8%	27	28	2	5.7%
95.1%	26	28	2	6.4%
96.3%	26	28	2	6.6%
97.5%	26	28	2	6.8%
98.8%	26	28	1	5.2%
100.0%	26	27	2	6.9%

Figure SW-57-b
Feather River near Gridley, Monthly Stage
Probability of Exceedance

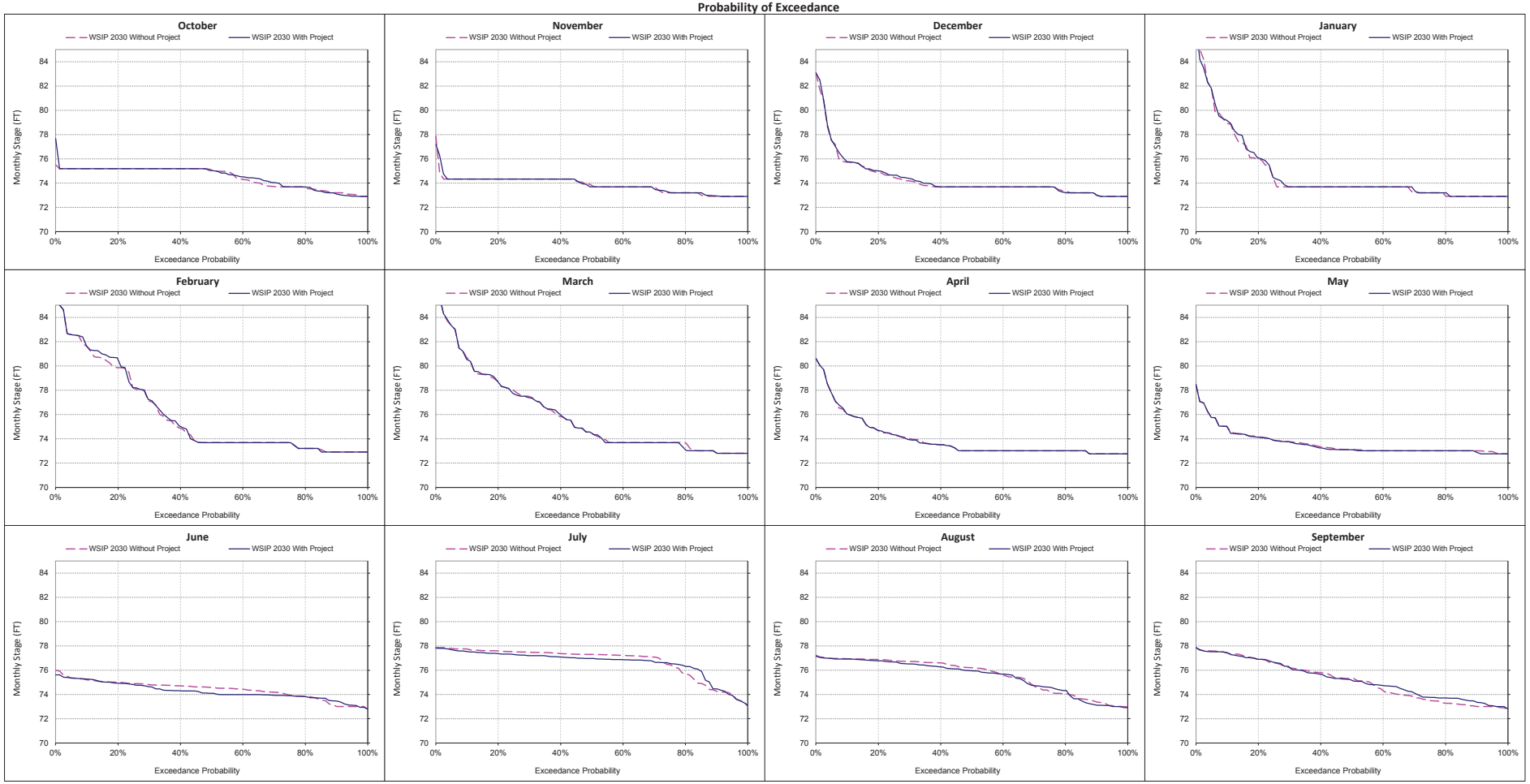


Table SW-57-b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	76	78	2	2.9%
1.2%	75	75	0	0.0%
2.5%	75	75	0	0.0%
3.7%	75	75	0	0.0%
4.9%	75	75	0	0.0%
6.2%	75	75	0	0.0%
7.4%	75	75	0	0.0%
8.6%	75	75	0	0.0%
9.9%	75	75	0	0.0%
11.1%	75	75	0	0.0%
12.3%	75	75	0	0.0%
13.6%	75	75	0	0.0%
14.8%	75	75	0	0.0%
16.0%	75	75	0	0.0%
17.3%	75	75	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	0.0%
27.2%	75	75	0	0.0%
28.4%	75	75	0	0.0%
29.6%	75	75	0	0.0%
30.9%	75	75	0	0.0%
32.1%	75	75	0	0.0%
33.3%	75	75	0	0.0%
34.6%	75	75	0	0.0%
35.8%	75	75	0	0.0%
37.0%	75	75	0	0.0%
38.3%	75	75	0	0.0%
39.5%	75	75	0	0.0%
40.7%	75	75	0	0.0%
42.0%	75	75	0	0.0%
43.2%	75	75	0	0.0%
44.4%	75	75	0	0.0%
45.7%	75	75	0	0.0%
46.9%	75	75	0	0.0%
48.1%	75	75	0	0.0%
49.4%	75	75	0	-0.1%
50.6%	75	75	0	0.0%
51.9%	75	75	0	0.0%
53.1%	75	75	0	-0.2%
54.3%	75	75	0	-0.2%
55.6%	75	75	0	-0.3%
56.8%	75	75	0	-0.1%
58.0%	74	75	0	0.3%
59.3%	74	75	0	0.3%
60.5%	74	75	0	0.3%
61.7%	74	74	0	0.3%
63.0%	74	74	0	0.5%
64.2%	74	74	0	0.5%
65.4%	74	74	0	0.5%
66.7%	74	74	0	0.5%
67.9%	74	74	0	0.5%
69.1%	74	74	0	0.4%
70.4%	74	74	0	0.4%
71.6%	74	74	0	0.4%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	74	74	0	0.0%
79.0%	74	74	0	0.0%
80.2%	74	74	0	0.2%
81.5%	74	74	0	0.1%
82.7%	74	73	0	-0.1%
84.0%	73	73	0	-0.1%
85.2%	73	73	0	-0.1%
86.4%	73	73	0	-0.2%
87.7%	73	73	0	-0.1%
88.9%	73	73	0	0.0%
90.1%	73	73	0	-0.2%
91.4%	73	73	0	-0.2%
92.6%	73	73	0	-0.3%
93.8%	73	73	0	-0.2%
95.1%	73	73	0	-0.2%
96.3%	73	73	0	-0.2%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	77	-1	-0.9%
1.2%	75	76	1	1.9%
2.5%	74	75	0	0.6%
3.7%	74	74	0	0.0%
4.9%	74	74	0	0.0%
6.2%	74	74	0	0.0%
7.4%	74	74	0	0.0%
8.6%	74	74	0	0.0%
9.9%	74	74	0	0.0%
11.1%	74	74	0	0.0%
12.3%	74	74	0	0.0%
13.6%	74	74	0	0.0%
14.8%	74	74	0	0.0%
16.0%	74	74	0	0.0%
17.3%	74	74	0	0.0%
18.5%	74	74	0	0.0%
19.8%	74	74	0	0.0%
21.0%	74	74	0	0.0%
22.2%	74	74	0	0.0%
23.5%	74	74	0	0.0%
24.7%	74	74	0	0.0%
25.9%	74	74	0	0.0%
27.2%	74	74	0	0.0%
28.4%	74	74	0	0.0%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.2%
45.7%	74	74	0	0.0%
46.9%	74	74	0	-0.2%
48.1%	74	74	0	-0.1%
49.4%	74	74	0	-0.3%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	73	0	-0.2%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.3%
74.1%	73	73	0	0.1%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.3%
86.4%	73	73	0	0.1%
87.7%	73	73	0	0.1%
88.9%	73	73	0	0.1%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	83	83	0	0.0%
1.2%	82	83	1	0.9%
2.5%	81	81	0	0.0%
3.7%	79	79	0	0.2%
4.9%	78	78	0	0.1%
6.2%	77	77	0	-0.2%
7.4%	76	77	1	0.7%
8.6%	76	76	0	0.4%
9.9%	76	76	0	0.0%
11.1%	76	76	0	0.0%
12.3%	76	76	0	0.0%
13.6%	76	76	0	0.0%
14.8%	75	75	0	0.0%
16.0%	75	75	0	-0.2%
17.3%	75	75	0	0.2%
18.5%	75	75	0	0.1%
19.8%	75	75	0	0.2%
21.0%	75	75	0	0.2%
22.2%	75	75	0	0.2%
23.5%	75	75	0	0.0%
24.7%	74	75	0	0.2%
25.9%	74	75	0	0.3%
27.2%	74	74	0	0.2%
28.4%	74	74	0	0.3%
29.6%	74	74	0	0.3%
30.9%	74	74	0	0.2%
32.1%	74	74	0	0.1%
33.3%	74	74	0	0.3%
34.6%	74	74	0	0.2%
35.8%	74	74	0	0.3%
37.0%	74	74	0	0.3%
38.3%	74	74	0	0.1%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.1%
77.8%	73	73	0	-0.1%
79.0%	73	73	0	-0.1%
80.2%	73	73	0	-0.2%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	87	87	0	0.0%
1.2%	85	84	-1	-1.0%
2.5%	84	83	-1	-0.9%
3.7%	82	82	0	0.0%
4.9%	82	82	0	0.0%
6.2%	80	81	1	0.9%
7.4%	80	80	0	-0.3%
8.6%	79	79	0	0.0%
9.9%	79	79	0	0.3%
11.1%	79	79	0	0.1%
12.3%	78	78	0	0.4%
13.6%	77	78	1	0.8%
14.8%	77	78	1	0.8%
16.0%	77	77	0	-0.3%
17.3%	76	77	1	0.7%
18.5%	76	77	0	0.6%
19.8%	76	76	0	0.1%
21.0%	76	76	0	0.1%
22.2%	75	76	0	0.5%
23.5%	75	75	0	0.1%
24.7%	74	74	0	0.0%
25.9%	74	74	1	0.9%
27.2%	74	74	1	0.7%
28.4%	74	74	0	0.2%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	73	74	0	0.5%
70.4%	73	73	0	0.1%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.4%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-57-b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

February				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	87	87	0	0.0%
1.2%	85	85	0	0.0%
2.5%	85	85	0	0.0%
3.7%	83	83	0	0.0%
4.9%	83	83	0	0.0%
6.2%	83	83	0	0.0%
7.4%	83	83	0	0.0%
8.6%	82	82	1	0.7%
9.9%	82	82	0	0.0%
11.1%	81	81	0	0.1%
12.3%	81	81	1	0.6%
13.6%	81	81	1	0.7%
14.8%	81	81	0	0.4%
16.0%	80	81	0	0.6%
17.3%	80	81	0	0.6%
18.5%	80	81	1	1.0%
19.8%	80	81	1	1.0%
21.0%	80	80	0	0.1%
22.2%	80	80	0	0.1%
23.5%	79	79	-1	-1.0%
24.7%	78	78	0	0.0%
25.9%	78	78	0	0.2%
27.2%	78	78	0	0.0%
28.4%	78	78	0	0.1%
29.6%	77	77	0	0.2%
30.9%	77	77	0	0.1%
32.1%	77	77	0	-0.1%
33.3%	76	76	0	0.5%
34.6%	76	76	0	0.2%
35.8%	76	76	0	0.3%
37.0%	75	76	0	0.0%
38.3%	75	75	0	0.6%
39.5%	75	75	0	0.2%
40.7%	75	75	0	0.2%
42.0%	74	75	0	0.4%
43.2%	74	74	0	-0.4%
44.4%	74	74	0	0.0%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	73	73	0	-0.1%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	-0.3%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

March				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	86	86	0	0.0%
1.2%	86	86	0	0.0%
2.5%	84	84	0	0.0%
3.7%	84	84	0	0.1%
4.9%	83	83	0	0.0%
6.2%	83	83	0	0.0%
7.4%	81	81	0	0.0%
8.6%	81	81	0	0.0%
9.9%	81	81	0	-0.2%
11.1%	80	80	0	0.0%
12.3%	80	80	0	0.0%
13.6%	79	80	0	0.2%
14.8%	79	79	0	0.0%
16.0%	79	79	0	0.0%
17.3%	79	79	0	0.2%
18.5%	79	79	0	0.2%
19.8%	79	79	0	0.0%
21.0%	78	78	0	0.0%
22.2%	78	78	0	0.0%
23.5%	78	78	0	0.0%
24.7%	78	78	0	-0.4%
25.9%	78	78	0	-0.3%
27.2%	78	78	0	-0.1%
28.4%	78	78	0	0.0%
29.6%	78	77	0	-0.1%
30.9%	77	77	0	-0.1%
32.1%	77	77	0	0.1%
33.3%	77	77	0	0.0%
34.6%	77	77	0	0.0%
35.8%	76	76	0	0.0%
37.0%	76	76	0	0.1%
38.3%	76	76	0	0.4%
39.5%	76	76	0	0.3%
40.7%	76	76	0	0.0%
42.0%	76	76	0	0.0%
43.2%	76	76	0	0.0%
44.4%	75	75	0	0.0%
45.7%	75	75	0	0.0%
46.9%	75	75	0	0.0%
48.1%	75	75	0	0.0%
49.4%	75	75	0	0.0%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.2%
53.1%	74	74	0	0.0%
54.3%	74	74	0	-0.3%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	74	74	0	0.0%
79.0%	74	73	0	-0.5%
80.2%	74	73	-1	-0.8%
81.5%	73	73	0	-0.3%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

April				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	81	81	0	0.0%
1.2%	80	80	0	0.0%
2.5%	80	80	0	0.0%
3.7%	79	79	0	0.0%
4.9%	78	78	0	0.0%
6.2%	77	77	0	0.0%
7.4%	77	77	0	0.3%
8.6%	76	77	0	0.1%
9.9%	76	76	0	0.0%
11.1%	76	76	0	0.0%
12.3%	76	76	0	0.0%
13.6%	76	76	0	0.0%
14.8%	76	76	0	0.0%
16.0%	75	75	0	0.0%
17.3%	75	75	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	74	75	0	0.2%
22.2%	74	74	0	0.0%
23.5%	74	74	0	0.0%
24.7%	74	74	0	0.1%
25.9%	74	74	0	0.0%
27.2%	74	74	0	0.0%
28.4%	74	74	0	-0.1%
29.6%	74	74	0	-0.2%
30.9%	74	74	0	-0.1%
32.1%	74	74	0	-0.1%
33.3%	74	74	0	-0.3%
34.6%	74	74	0	-0.1%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	73	73	0	0.0%
43.2%	73	73	0	0.0%
44.4%	73	73	0	0.0%
45.7%	73	73	0	0.0%
46.9%	73	73	0	0.0%
48.1%	73	73	0	0.0%
49.4%	73	73	0	0.0%
50.6%	73	73	0	0.0%
51.9%	73	73	0	0.0%
53.1%	73	73	0	0.0%
54.3%	73	73	0	0.0%
55.6%	73	73	0	0.0%
56.8%	73	73	0	0.0%
58.0%	73	73	0	0.0%
59.3%	73	73	0	0.0%
60.5%	73	73	0	0.0%
61.7%	73	73	0	0.0%
63.0%	73	73	0	0.0%
64.2%	73	73	0	0.0%
65.4%	73	73	0	0.0%
66.7%	73	73	0	0.0%
67.9%	73	73	0	0.0%
69.1%	73	73	0	0.0%
70.4%	73	73	0	0.0%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

May				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	0.0%
1.2%	77	77	0	0.0%
2.5%	77	77	0	0.0%
3.7%	76	76	0	0.0%
4.9%	76	76	0	0.0%
6.2%	76	76	0	0.0%
7.4%	75	75	0	0.0%
8.6%	75	75	0	0.0%
9.9%	75	75	0	0.0%
11.1%	75	74	0	-0.2%
12.3%	74	74	0	0.0%
13.6%	74	74	0	-0.1%
14.8%	74	74	0	0.0%
16.0%	74	74	0	0.1%
17.3%	74	74	0	0.0%
18.5%	74	74	0	-0.1%
19.8%	74	74	0	0.0%
21.0%	74	74	0	0.0%
22.2%	74	74	0	0.0%
23.5%	74	74	0	0.0%
24.7%	74	74	0	0.0%
25.9%	74	74	0	0.0%
27.2%	74	74	0	0.0%
28.4%	74	74	0	0.0%
29.6%	74	74	0	0.0%
30.9%	74	74	0	-0.1%
32.1%	74	74	0	-0.1%
33.3%	74	74	0	-0.1%
34.6%	74	74	0	-0.1%
35.8%	74	74	0	-0.1%
37.0%	74	73	0	-0.1%
38.3%	73	73	0	-0.1%
39.5%	73	73	0	-0.2%
40.7%	73	73	0	-0.1%
42.0%	73	73	0	-0.2%
43.2%	73	73	0	-0.2%
44.4%	73	73	0	-0.1%
45.7%	73	73	0	0.0%
46.9%	73	73	0	0.0%
48.1%	73	73	0	0.0%
49.4%	73	73	0	0.0%
50.6%	73	73	0	0.0%
51.9%	73	73	0	-0.1%
53.1%	73	73	0	-0.1%
54.3%	73	73	0	0.0%
55.6%	73	73	0	0.0%
56.8%	73	73	0	0.0%
58.0%	73	73	0	0.0%
59.3%	73	73	0	0.0%
60.5%	73	73	0	0.0%
61.7%	73	73	0	0.0%
63.0%	73	73	0	0.0%
64.2%	73	73	0	0.0%
65.4%	73	73	0	0.0%
66.7%	73	73	0	0.0%
67.9%	73	73	0	0.0%
69.1%	73	73	0	0.0%
70.4%	73	73	0	0.0%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	-0.2%
91.4%	73	73	0	-0.3%
92.6%	73	73	0	-0.3%
93.8%	73	73	0	-0.3%
95.1%	73	73	0	-0.2%
96.3%	73	73	0	-0.1%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-57-b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	76	76	0	-0.5%
1.2%	76	76	0	-0.4%
2.5%	76	75	0	-0.3%
3.7%	75	75	0	-0.1%
4.9%	75	75	0	0.0%
6.2%	75	75	0	0.0%
7.4%	75	75	0	0.0%
8.6%	75	75	0	0.0%
9.9%	75	75	0	0.1%
11.1%	75	75	0	0.1%
12.3%	75	75	0	0.1%
13.6%	75	75	0	0.0%
14.8%	75	75	0	0.0%
16.0%	75	75	0	0.0%
17.3%	75	75	0	0.0%
18.5%	75	75	0	-0.1%
19.8%	75	75	0	-0.1%
21.0%	75	75	0	-0.1%
22.2%	75	75	0	-0.1%
23.5%	75	75	0	-0.1%
24.7%	75	75	0	-0.1%
25.9%	75	75	0	-0.2%
27.2%	75	75	0	-0.2%
28.4%	75	75	0	-0.2%
29.6%	75	75	0	-0.2%
30.9%	75	75	0	-0.2%
32.1%	75	74	0	-0.4%
33.3%	75	74	0	-0.4%
34.6%	75	74	0	-0.6%
35.8%	75	74	0	-0.6%
37.0%	75	74	0	-0.6%
38.3%	75	74	0	-0.6%
39.5%	75	74	0	-0.5%
40.7%	75	74	0	-0.5%
42.0%	75	74	0	-0.5%
43.2%	75	74	0	-0.5%
44.4%	75	74	0	-0.5%
45.7%	75	74	0	-0.5%
46.9%	75	74	0	-0.7%
48.1%	75	74	0	-0.7%
49.4%	75	74	0	-0.7%
50.6%	75	74	0	-0.7%
51.9%	75	74	0	-0.7%
53.1%	75	74	-1	-0.7%
54.3%	75	74	-1	-0.7%
55.6%	75	74	-1	-0.7%
56.8%	74	74	-1	-0.7%
58.0%	74	74	0	-0.6%
59.3%	74	74	0	-0.6%
60.5%	74	74	0	-0.6%
61.7%	74	74	0	-0.5%
63.0%	74	74	0	-0.5%
64.2%	74	74	0	-0.4%
65.4%	74	74	0	-0.4%
66.7%	74	74	0	-0.3%
67.9%	74	74	0	-0.3%
69.1%	74	74	0	-0.4%
70.4%	74	74	0	-0.3%
71.6%	74	74	0	-0.3%
72.8%	74	74	0	-0.2%
74.1%	74	74	0	-0.1%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	74	74	0	0.0%
79.0%	74	74	0	0.0%
80.2%	74	74	0	0.0%
81.5%	74	74	0	-0.1%
82.7%	74	74	0	0.0%
84.0%	74	74	0	0.1%
85.2%	74	74	0	0.2%
86.4%	73	74	0	0.3%
87.7%	73	73	0	0.4%
88.9%	73	73	0	0.5%
90.1%	73	73	0	0.6%
91.4%	73	73	0	0.5%
92.6%	73	73	0	0.3%
93.8%	73	73	0	0.2%
95.1%	73	73	0	0.1%
96.3%	73	73	0	0.1%
97.5%	73	73	0	-0.1%
98.8%	73	73	0	-0.1%
100.0%	73	73	0	0.1%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	-0.1%
1.2%	78	78	0	-0.1%
2.5%	78	78	0	-0.1%
3.7%	78	78	0	-0.1%
4.9%	78	78	0	-0.1%
6.2%	78	78	0	-0.2%
7.4%	78	78	0	-0.2%
8.6%	78	78	0	-0.2%
9.9%	78	78	0	-0.3%
11.1%	78	78	0	-0.2%
12.3%	78	77	0	-0.2%
13.6%	78	77	0	-0.2%
14.8%	78	77	0	-0.2%
16.0%	78	77	0	-0.2%
17.3%	78	77	0	-0.3%
18.5%	78	77	0	-0.3%
19.8%	78	77	0	-0.3%
21.0%	78	77	0	-0.3%
22.2%	78	77	0	-0.3%
23.5%	78	77	0	-0.3%
24.7%	78	77	0	-0.3%
25.9%	78	77	0	-0.3%
27.2%	77	77	0	-0.3%
28.4%	77	77	0	-0.3%
29.6%	77	77	0	-0.4%
30.9%	77	77	0	-0.3%
32.1%	77	77	0	-0.3%
33.3%	77	77	0	-0.3%
34.6%	77	77	0	-0.3%
35.8%	77	77	0	-0.4%
37.0%	77	77	0	-0.4%
38.3%	77	77	0	-0.4%
39.5%	77	77	0	-0.4%
40.7%	77	77	0	-0.4%
42.0%	77	77	0	-0.4%
43.2%	77	77	0	-0.4%
44.4%	77	77	0	-0.4%
45.7%	77	77	0	-0.4%
46.9%	77	77	0	-0.4%
48.1%	77	77	0	-0.4%
49.4%	77	77	0	-0.4%
50.6%	77	77	0	-0.4%
51.9%	77	77	0	-0.5%
53.1%	77	77	0	-0.5%
54.3%	77	77	0	-0.5%
55.6%	77	77	0	-0.5%
56.8%	77	77	0	-0.5%
58.0%	77	77	0	-0.5%
59.3%	77	77	0	-0.4%
60.5%	77	77	0	-0.4%
61.7%	77	77	0	-0.4%
63.0%	77	77	0	-0.5%
64.2%	77	77	0	-0.5%
65.4%	77	77	0	-0.4%
66.7%	77	77	0	-0.4%
67.9%	77	77	0	-0.4%
69.1%	77	77	0	-0.4%
70.4%	77	77	0	-0.6%
71.6%	77	77	0	-0.5%
72.8%	77	77	0	-0.1%
74.1%	76	77	0	0.2%
75.3%	76	77	0	0.1%
76.5%	76	77	0	0.4%
77.8%	76	76	0	0.4%
79.0%	76	76	1	0.9%
80.2%	76	76	1	0.8%
81.5%	76	76	1	1.0%
82.7%	75	76	1	1.2%
84.0%	75	76	1	1.6%
85.2%	75	76	1	1.3%
86.4%	75	75	0	0.6%
87.7%	74	75	1	0.9%
88.9%	74	74	0	0.1%
90.1%	74	74	0	0.3%
91.4%	74	74	0	0.2%
92.6%	74	74	0	0.1%
93.8%	74	74	0	-0.2%
95.1%	74	74	0	-0.1%
96.3%	74	74	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	-0.1%
100.0%	73	73	0	0.1%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	77	77	0	-0.1%
1.2%	77	77	0	-0.1%
2.5%	77	77	0	-0.1%
3.7%	77	77	0	0.0%
4.9%	77	77	0	0.0%
6.2%	77	77	0	0.0%
7.4%	77	77	0	-0.1%
8.6%	77	77	0	0.0%
9.9%	77	77	0	0.0%
11.1%	77	77	0	0.0%
12.3%	77	77	0	0.0%
13.6%	77	77	0	-0.1%
14.8%	77	77	0	-0.1%
16.0%	77	77	0	-0.1%
17.3%	77	77	0	-0.1%
18.5%	77	77	0	-0.1%
19.8%	77	77	0	-0.1%
21.0%	77	77	0	-0.1%
22.2%	77	77	0	-0.2%
23.5%	77	77	0	-0.2%
24.7%	77	77	0	-0.1%
25.9%	77	77	0	-0.1%
27.2%	77	77	0	-0.2%
28.4%	77	77	0	-0.3%
29.6%	77	77	0	-0.3%
30.9%	77	77	0	-0.3%
32.1%	77	77	0	-0.3%
33.3%	77	76	0	-0.3%
34.6%	77	76	0	-0.3%
35.8%	77	76	0	-0.4%
37.0%	77	76	0	-0.4%
38.3%	77	76	0	-0.4%
39.5%	77	76	0	-0.4%
40.7%	77	76	0	-0.4%
42.0%	76	76	0	-0.4%
43.2%	76	76	0	-0.4%
44.4%	76	76	0	-0.4%
45.7%	76	76	0	-0.2%
46.9%	76	76	0	-0.3%
48.1%	76	76	0	-0.3%
49.4%	76	76	0	-0.3%
50.6%	76	76	0	-0.3%
51.9%	76	76	0	-0.3%
53.1%	76	76	0	-0.4%
54.3%	76	76	0	-0.4%
55.6%	76	76	0	-0.3%
56.8%	76	76	0	-0.2%
58.0%	76	76	0	-0.1%
59.3%	76	76	0	0.1%
60.5%	76	76	0	0.2%
61.7%	75	76	0	0.2%
63.0%	75	76	0	0.2%
64.2%	75	75	0	-0.1%
65.4%	75	75	0	-0.1%
66.7%	75	75	0	-0.3%
67.9%	75	75	0	-0.3%
69.1%	75	75	0	-0.1%
70.4%	75	75	0	0.1%
71.6%	75	75	0	0.2%
72.8%	74	75	0	0.4%
74.1%	74	75	0	0.3%
75.3%	74	75	0	0.5%
76.5%	74	74	0	0.5%
77.8%	74	74	0	0.4%
79.0%	74	74	0	0.4%
80.2%	74	74	0	0.4%
81.5%	74	74	0	-0.1%
82.7%	74	74	0	-0.4%
84.0%	74	74	0	0.0%
85.2%	74	73	0	-0.2%
86.4%	74	73	0	-0.4%
87.7%	74	73	0	-0.5%
88.9%	73	73	0	-0.4%
90.1%	73	73	0	-0.4%
91.4%	73	73	0	-0.3%
92.6%	73	73	0	-0.2%
93.8%	73	73	0	0.0%
95.1%	73	73	0	-0.1%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	-0.1%
100.0%	73	73	0	-0.1%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	0.0%
1.2%	78	78	0	0.1%
2.5%	78	78	0	-0.1%
3.7%	78	78	0	-0.1%
4.9%	78	78	0	-0.1%
6.2%	78	78	0	-0.1%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.0%
9.9%	77	77	0	0.0%
11.1%	77	77	0	-0.1%
12.3%	77	77	0	-0.1%
13.6%	77	77	0	-0.2%
14.8%	77	77	0	-0.1%
16.0%	77	77	0	-0.1%
17.3%	77	77	0	0.0%
18.5%	77	77	0	0.0%
19.8%	77	77	0	0.0%
21.0%	77	77	0	0.0%
22.2%	77	77	0	0.0%
23.5%	77	77	0	0.1%
24.7%	77	77	0	0.1%
25.9%	77	77	0	0.0%
27.2%	76	77	0	0.1%
28.4%	76	76	0	0.0%
29.6%	76	76	0	0.1%
30.9%	76	76	0	-0.1%
32.1%	76	76	0	-0.2%
33.3%	76	76	0	0.0%
34.6%	76	76	0	-0.1%
35.8%	76	76	0	-0.2%
37.0%	76	76	0	-0.1%
38.3%	76	76	0	-0.1%
39.5%	76	76	0	-0.2%
40.7%	76	76	0	-0.2%
42.0%	76	75	0	-0.4%
43.2%	76	75	0	-0.3%
44.4%	75	75	0	-0.1%
45.7%	75	75	0	-0.1%
46.9%	75	75	0	-0.1%
48.1%	75	75	0	-0.1%
49.4%	75	75	0	-0.1%
50.6%	75	75	0	-0.3%
51.9%	75	75	0	-0.1%
53.1%	75	75	0	-0.1%
54.3%	75	75	0	-0.2%
55.6%	75	75	0	-0.3%
56.8%	75	75	0	0.0%
58.0%	75	75	0	0.3%
59.3%	74	75	0	0.4%
60.5%	74	75	1	0.7%
61.7%	74	75	1	0.7%
63.0%	74	75	1	0.8%
64.2%	74	75	1	0.9%
65.4%	74	75	1	0.7%
66.7%	74	74	0	0.6%
67.9%	74	74	0	0.5%
69.1%	74	74	0	0.5%
70.4%	74	74	0	0.5%
71.6%	74	74	0	0.3%
72.8%	74	74	0	0.2%
74.1%	74	74	0	0.3%
75.3%	73	74	0	0.4%
76.5%	73	74	0	0.4%
77.8%	73	74	0	0.4%
79.0%	73	74	0	0.6%
80.2%	73	74	0	0.6%
81.5%	73	74	0	0.6%
82.7%	73	74	0	0.6%
84.0%	73	74	0	0.7%
85.2%	73	74	0	0.6%
86.4%	73	74	0	0.5%
87.7%	73	73	0	0.6%
88.9%	73	73	0	0.6%
90.1%	73	73	0	0.5%
91.4%	73	73	0	0.4%
92.6%	73	73	0	0.3%
93.8%	73	73	0	0.1%
95.1%	73	73	0	0.1%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.1%
98.8%	73	73	0	0.2%
100.0%	73	73	0	0.0%

Figure SW-58-b
American River at Fair Oaks, Monthly Stage
Probability of Exceedance

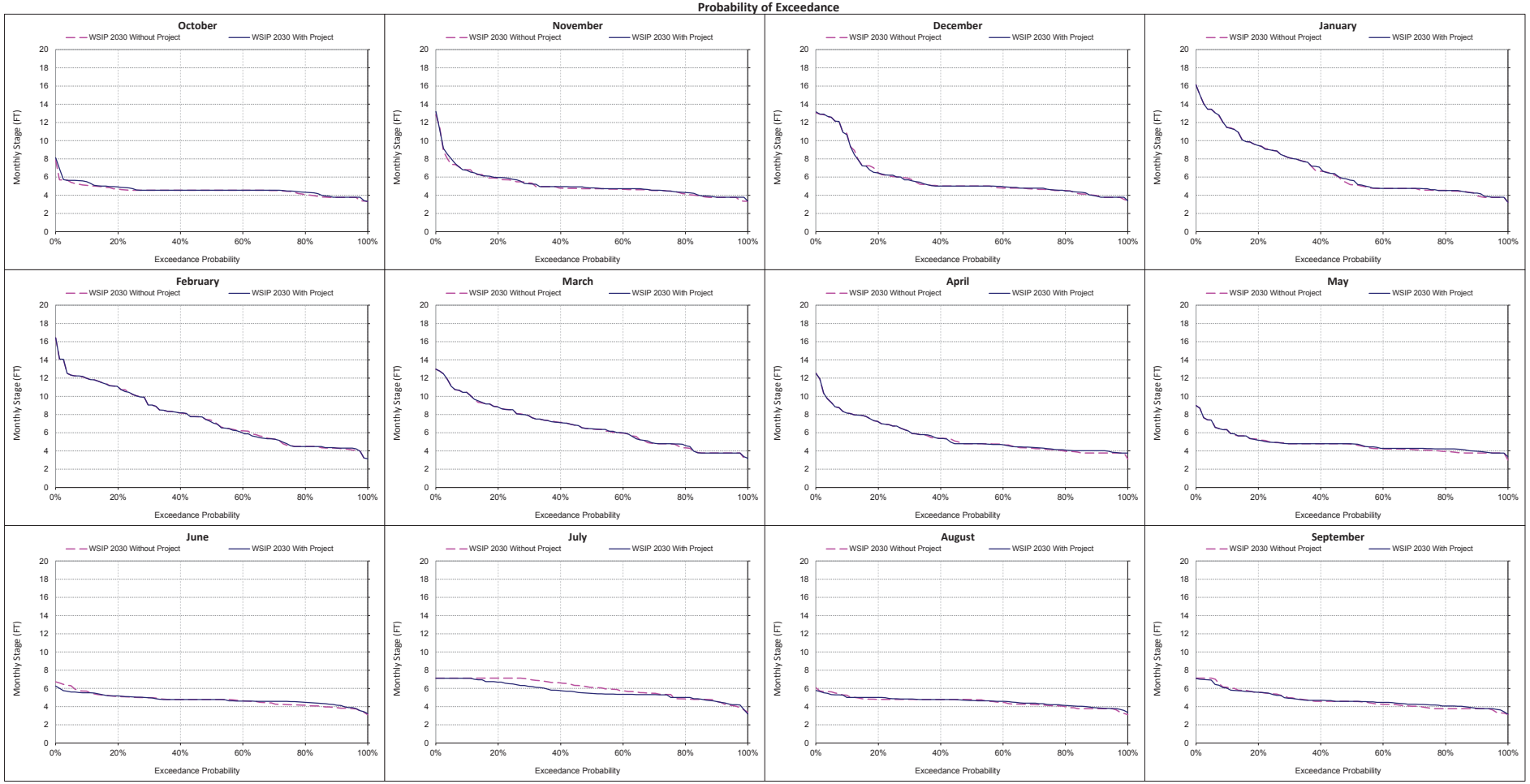


Table SW-58-b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	8	8	0	3.1%
1.2%	6	7	1	21.3%
2.5%	6	6	0	1.0%
3.7%	6	6	0	-0.2%
4.9%	5	6	0	4.0%
6.2%	5	6	0	6.5%
7.4%	5	6	0	7.6%
8.6%	5	6	0	9.0%
9.9%	5	5	0	7.8%
11.1%	5	5	0	5.6%
12.3%	5	5	0	1.4%
13.6%	5	5	0	1.1%
14.8%	5	5	0	1.6%
16.0%	5	5	0	3.2%
17.3%	5	5	0	2.5%
18.5%	5	5	0	5.1%
19.8%	5	5	0	4.8%
21.0%	5	5	0	5.2%
22.2%	5	5	0	5.1%
23.5%	5	5	0	5.8%
24.7%	5	5	0	3.8%
25.9%	5	5	0	0.6%
27.2%	5	5	0	0.0%
28.4%	5	5	0	0.0%
29.6%	5	5	0	0.0%
30.9%	5	5	0	0.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.3%
69.1%	5	5	0	0.5%
70.4%	5	5	0	0.6%
71.6%	5	5	0	0.6%
72.8%	4	5	0	1.4%
74.1%	4	4	0	0.8%
75.3%	4	4	0	1.1%
76.5%	4	4	0	2.9%
77.8%	4	4	0	4.2%
79.0%	4	4	0	5.6%
80.2%	4	4	0	6.5%
81.5%	4	4	0	7.2%
82.7%	4	4	0	7.3%
84.0%	4	4	0	8.0%
85.2%	4	4	0	5.2%
86.4%	4	4	0	3.2%
87.7%	4	4	0	3.5%
88.9%	4	4	0	0.0%
90.1%	4	4	0	0.0%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	3	4	0	11.0%
98.8%	3	3	0	1.0%
100.0%	3	3	0	0.1%

November

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	13	13	0	2.7%
1.2%	11	11	0	-1.9%
2.5%	9	9	0	3.8%
3.7%	8	9	1	6.4%
4.9%	7	8	1	8.2%
6.2%	7	7	0	1.7%
7.4%	7	7	0	0.0%
8.6%	7	7	0	-0.7%
9.9%	7	7	0	-0.8%
11.1%	7	7	0	-3.7%
12.3%	6	6	0	2.6%
13.6%	6	6	0	0.6%
14.8%	6	6	0	-1.9%
16.0%	6	6	0	3.3%
17.3%	6	6	0	3.0%
18.5%	6	6	0	1.2%
19.8%	6	6	0	1.4%
21.0%	6	6	0	4.1%
22.2%	6	6	0	3.9%
23.5%	6	6	0	2.8%
24.7%	6	6	0	2.3%
25.9%	5	6	0	3.9%
27.2%	5	6	0	1.1%
28.4%	5	5	0	-2.8%
29.6%	5	5	0	-1.7%
30.9%	5	5	0	-1.8%
32.1%	5	5	0	5.2%
33.3%	5	5	0	0.4%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	3.2%
40.7%	5	5	0	3.6%
42.0%	5	5	0	3.8%
43.2%	5	5	0	3.7%
44.4%	5	5	0	3.5%
45.7%	5	5	0	3.5%
46.9%	5	5	0	4.0%
48.1%	5	5	0	2.3%
49.4%	5	5	0	1.8%
50.6%	5	5	0	1.7%
51.9%	5	5	0	1.2%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	1.0%
56.8%	5	5	0	1.1%
58.0%	5	5	0	1.2%
59.3%	5	5	0	1.3%
60.5%	5	5	0	1.4%
61.7%	5	5	0	2.2%
63.0%	5	5	0	2.3%
64.2%	5	5	0	2.3%
65.4%	5	5	0	2.2%
66.7%	5	5	0	1.1%
67.9%	5	5	0	0.9%
69.1%	5	5	0	0.6%
70.4%	5	5	0	0.7%
71.6%	5	5	0	0.4%
72.8%	5	5	0	0.4%
74.1%	4	4	0	0.1%
75.3%	4	4	0	0.6%
76.5%	4	4	0	-1.0%
77.8%	4	4	0	1.1%
79.0%	4	4	0	2.9%
80.2%	4	4	0	4.2%
81.5%	4	4	0	5.1%
82.7%	4	4	0	4.9%
84.0%	4	4	0	1.9%
85.2%	4	4	0	1.4%
86.4%	4	4	0	2.8%
87.7%	4	4	0	3.5%
88.9%	4	4	0	1.5%
90.1%	4	4	0	0.0%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	3	4	0	11.0%
98.8%	3	4	0	12.7%
100.0%	3	3	0	0.0%

December

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	13	13	0	1.0%
1.2%	13	13	0	0.0%
2.5%	13	13	0	0.4%
3.7%	13	13	0	0.5%
4.9%	13	13	0	0.0%
6.2%	12	12	0	0.0%
7.4%	12	12	0	0.0%
8.6%	11	11	0	0.0%
9.9%	11	11	0	-1.4%
11.1%	9	9	0	0.1%
12.3%	9	8	0	-5.3%
13.6%	8	8	0	0.0%
14.8%	7	7	0	-0.7%
16.0%	7	7	0	-0.7%
17.3%	7	7	0	-6.2%
18.5%	7	7	-1	-7.3%
19.8%	7	6	0	-0.9%
21.0%	6	6	0	1.2%
22.2%	6	6	0	0.1%
23.5%	6	6	0	2.1%
24.7%	6	6	0	2.3%
25.9%	6	6	0	0.0%
27.2%	6	6	0	0.2%
28.4%	6	6	0	-4.0%
29.6%	6	6	0	-3.3%
30.9%	6	6	0	-1.8%
32.1%	5	5	0	0.9%
33.3%	5	5	0	4.3%
34.6%	5	5	0	1.7%
35.8%	5	5	0	0.6%
37.0%	5	5	0	0.0%
38.3%	5	5	0	-1.3%
39.5%	5	5	0	-0.2%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	1.4%
58.0%	5	5	0	3.2%
59.3%	5	5	0	3.4%
60.5%	5	5	0	2.6%
61.7%	5	5	0	2.2%
63.0%	5	5	0	1.7%
64.2%	5	5	0	1.5%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	1.6%
69.1%	5	5	0	1.9%
70.4%	5	5	0	2.0%
71.6%	5	5	0	3.1%
72.8%	5	5	0	3.2%
74.1%	5	5	0	0.8%
75.3%	5	5	0	0.2%
76.5%	5	5	0	0.9%
77.8%	5	5	0	0.9%
79.0%	5	5	0	0.4%
80.2%	5	4	0	-0.9%
81.5%	4	4	0	-0.1%
82.7%	4	4	0	1.2%
84.0%	4	4	0	4.1%
85.2%	4	4	0	4.2%
86.4%	4	4	0	3.0%
87.7%	4	4	0	-0.2%
88.9%	4	4	0	-1.1%
90.1%	4	4	0	-1.5%
91.4%	4	4	0	-1.1%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	6.2%
100.0%	3	3	0	0.0%

January

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	16	16	0	0.0%
1.2%	15	15	0	-0.1%
2.5%	14	14	0	0.0%
3.7%	13	13	0	0.0%
4.9%	13	13	0	0.0%
6.2%	13	13	0	0.0%
7.4%	13	13	0	0.8%
8.6%	12	12	0	0.0%
9.9%	11	11	0	0.0%
11.1%	11	11	0	-0.5%
12.3%	11	11	0	0.0%
13.6%	11	11	0	0.0%
14.8%	10	10	0	0.0%
16.0%	10	10	0	0.0%
17.3%	10	10	0	0.0%
18.5%	10	10	0	0.0%
19.8%	9	9	0	0.0%
21.0%	9	9	0	0.0%
22.2%	9	9	0	-0.7%
23.5%	9	9	0	-0.7%
24.7%	9	9	0	-0.1%
25.9%	9	9	0	0.0%
27.2%	9	9	0	0.0%
28.4%	8	8	0	0.0%
29.6%	8	8	0	0.0%
30.9%	8	8	0	0.0%
32.1%	8	8	0	-0.2%
33.3%	8	8	0	0.0%
34.6%	8	8	0	-0.6%
35.8%	8	8	0	0.0%
37.0%	7	7	0	0.7%
38.3%	7	7	0	6.6%
39.5%	7	7	0	7.1%
40.7%	7	7	0	0.0%
42.0%	7	7	0	-0.5%
43.2%	6	6	0	-0.4%
44.4%	6	6	0	2.6%
45.7%	6	6	0	0.0%
46.9%	6	6	0	4.4%
48.1%	5	6	0	7.4%
49.4%	5	6	0	9.5%
50.6%	5	6	0	9.3%
51.9%	5	5	0	1.0%
53.1%	5	5	0	2.2%
54.3%	5	5	0	1.2%
55.6%	5	5	0	3.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	1.1%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	2.7%
72.8%	5	5	0	3.1%
74.1%	5	5	0	3.3%
75.3%	5	5	0	1.3%
76.5%	5	5	0	1.5%
77.8%	5	5	0	0.0%
79.0%	5	5	0	0.0%
80.2%	5	5	0	0.0%
81.5%	4	5	0	1.5%
82.7%	4	5	0	1.7%
84.0%	4	5	0	1.4%
85.2%	4	4	0	0.6%
86.4%	4	4	0	-0.9%
87.7%	4	4	0	0.0%
88.9%	4	4	0	-0.8%
90.1%	4	4	0	7.6%
91.4%	4	4	0	8.3%
92.6%	4	4	0	2.3%
93.8%	4	4	0	2.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	3	3	0	0.0%

Table SW-58-b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

February				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	16	16	0	0.0%
1.2%	14	14	0	0.0%
2.5%	14	14	0	0.0%
3.7%	13	13	0	0.0%
4.9%	12	12	0	0.0%
6.2%	12	12	0	0.0%
7.4%	12	12	0	0.0%
8.6%	12	12	0	0.5%
9.9%	12	12	0	0.0%
11.1%	12	12	0	0.0%
12.3%	12	12	0	0.0%
13.6%	12	12	0	0.0%
14.8%	12	11	0	-0.2%
16.0%	11	11	0	-0.7%
17.3%	11	11	0	0.0%
18.5%	11	11	0	0.0%
19.8%	11	11	0	0.0%
21.0%	11	11	0	0.0%
22.2%	11	11	0	-1.8%
23.5%	10	10	0	0.0%
24.7%	10	10	0	0.4%
25.9%	10	10	0	0.0%
27.2%	10	10	0	0.0%
28.4%	10	10	0	0.0%
29.6%	9	9	0	0.0%
30.9%	9	9	0	0.0%
32.1%	9	9	0	0.0%
33.3%	8	8	0	0.0%
34.6%	8	8	0	0.0%
35.8%	8	8	0	0.0%
37.0%	8	8	0	0.0%
38.3%	8	8	0	0.0%
39.5%	8	8	0	0.0%
40.7%	8	8	0	0.9%
42.0%	8	8	0	-0.2%
43.2%	8	8	0	0.0%
44.4%	8	8	0	0.0%
45.7%	8	8	0	0.0%
46.9%	8	8	0	0.0%
48.1%	7	7	0	0.0%
49.4%	7	7	0	-2.0%
50.6%	7	7	0	-3.0%
51.9%	7	7	0	0.0%
53.1%	7	7	0	-1.4%
54.3%	7	6	0	-0.5%
55.6%	6	6	0	0.0%
56.8%	6	6	0	-1.7%
58.0%	6	6	0	-0.7%
59.3%	6	6	0	-2.3%
60.5%	6	6	0	-5.2%
61.7%	6	6	0	-4.9%
63.0%	6	6	0	-3.5%
64.2%	6	6	0	-3.7%
65.4%	6	5	0	-3.5%
66.7%	6	5	0	-3.1%
67.9%	5	5	0	-1.0%
69.1%	5	5	0	-0.1%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	3.5%
74.1%	5	5	0	3.6%
75.3%	5	5	0	-1.0%
76.5%	4	4	0	0.0%
77.8%	4	4	0	0.0%
79.0%	4	4	0	0.0%
80.2%	4	4	0	0.0%
81.5%	4	4	0	0.0%
82.7%	4	4	0	0.0%
84.0%	4	4	0	0.0%
85.2%	4	4	0	2.8%
86.4%	4	4	0	1.1%
87.7%	4	4	0	1.4%
88.9%	4	4	0	1.1%
90.1%	4	4	0	0.0%
91.4%	4	4	0	1.6%
92.6%	4	4	0	1.9%
93.8%	4	4	0	3.0%
95.1%	4	4	0	5.3%
96.3%	4	4	0	3.3%
97.5%	4	4	0	-1.1%
98.8%	3	3	0	0.0%
100.0%	3	3	0	0.0%

March				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	13	13	0	0.0%
1.2%	13	13	0	0.0%
2.5%	12	12	0	0.0%
3.7%	12	12	0	0.0%
4.9%	11	11	0	0.0%
6.2%	11	11	0	0.0%
7.4%	11	11	0	0.0%
8.6%	10	10	0	0.0%
9.9%	10	10	0	0.0%
11.1%	10	10	0	-0.3%
12.3%	10	10	0	0.0%
13.6%	9	9	0	1.8%
14.8%	9	9	0	0.6%
16.0%	9	9	0	0.0%
17.3%	9	9	0	0.0%
18.5%	9	9	0	0.0%
19.8%	9	9	0	0.0%
21.0%	9	9	0	0.0%
22.2%	9	9	0	0.0%
23.5%	9	9	0	0.0%
24.7%	9	9	0	0.0%
25.9%	8	8	0	-0.2%
27.2%	8	8	0	-0.8%
28.4%	8	8	0	0.0%
29.6%	8	8	0	0.0%
30.9%	8	8	0	0.0%
32.1%	8	8	0	0.0%
33.3%	7	7	0	0.0%
34.6%	7	7	0	0.0%
35.8%	7	7	0	0.0%
37.0%	7	7	0	-1.2%
38.3%	7	7	0	-0.5%
39.5%	7	7	0	0.0%
40.7%	7	7	0	-0.8%
42.0%	7	7	0	0.0%
43.2%	7	7	0	0.0%
44.4%	7	7	0	0.0%
45.7%	7	7	0	0.0%
46.9%	7	7	0	0.0%
48.1%	6	6	0	0.0%
49.4%	6	6	0	0.6%
50.6%	6	6	0	0.5%
51.9%	6	6	0	0.5%
53.1%	6	6	0	0.0%
54.3%	6	6	0	2.8%
55.6%	6	6	0	0.1%
56.8%	6	6	0	2.3%
58.0%	6	6	0	0.1%
59.3%	6	6	0	1.0%
60.5%	6	6	0	0.3%
61.7%	6	6	0	0.0%
63.0%	6	6	0	-0.9%
64.2%	6	5	0	-4.7%
65.4%	5	5	0	0.0%
66.7%	5	5	0	0.0%
67.9%	5	5	0	3.9%
69.1%	5	5	0	1.3%
70.4%	5	5	0	0.5%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	5	5	0	0.0%
75.3%	5	5	0	0.6%
76.5%	5	5	0	0.7%
77.8%	5	5	0	4.9%
79.0%	4	5	0	9.0%
80.2%	4	5	0	5.1%
81.5%	4	4	0	5.0%
82.7%	4	4	0	0.0%
84.0%	4	4	0	-1.3%
85.2%	4	4	0	0.0%
86.4%	4	4	0	0.0%
87.7%	4	4	0	0.0%
88.9%	4	4	0	0.0%
90.1%	4	4	0	0.0%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	3	3	0	5.2%
100.0%	3	3	0	0.9%

April				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	13	13	0	0.0%
1.2%	12	12	0	0.0%
2.5%	10	10	0	0.0%
3.7%	10	10	0	0.0%
4.9%	9	9	0	0.0%
6.2%	9	9	0	0.0%
7.4%	9	9	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	0.0%
14.8%	8	8	0	0.0%
16.0%	8	8	0	0.0%
17.3%	8	8	0	-0.1%
18.5%	7	7	0	0.0%
19.8%	7	7	0	0.0%
21.0%	7	7	0	0.0%
22.2%	7	7	0	0.0%
23.5%	7	7	0	0.0%
24.7%	7	7	0	0.0%
25.9%	7	7	0	-0.1%
27.2%	7	7	0	0.0%
28.4%	6	6	0	0.1%
29.6%	6	6	0	0.0%
30.9%	6	6	0	0.0%
32.1%	6	6	0	0.0%
33.3%	6	6	0	0.0%
34.6%	6	6	0	0.0%
35.8%	6	6	0	1.6%
37.0%	5	6	0	3.8%
38.3%	5	5	0	0.3%
39.5%	5	5	0	0.0%
40.7%	5	5	0	-0.1%
42.0%	5	5	0	-1.0%
43.2%	5	5	0	-6.5%
44.4%	5	5	0	-6.0%
45.7%	5	5	0	-4.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	-0.6%
55.6%	5	5	0	-0.9%
56.8%	5	5	0	-1.0%
58.0%	5	5	0	-1.0%
59.3%	5	5	0	-0.8%
60.5%	5	5	0	0.0%
61.7%	5	5	0	-2.0%
63.0%	5	4	0	-0.9%
64.2%	4	4	0	0.3%
65.4%	4	4	0	2.1%
66.7%	4	4	0	2.0%
67.9%	4	4	0	2.2%
69.1%	4	4	0	2.1%
70.4%	4	4	0	2.6%
71.6%	4	4	0	2.5%
72.8%	4	4	0	2.5%
74.1%	4	4	0	1.6%
75.3%	4	4	0	1.4%
76.5%	4	4	0	1.2%
77.8%	4	4	0	1.6%
79.0%	4	4	0	2.6%
80.2%	4	4	0	3.0%
81.5%	4	4	0	2.4%
82.7%	4	4	0	2.3%
84.0%	4	4	0	3.7%
85.2%	4	4	0	6.6%
86.4%	4	4	0	6.6%
87.7%	4	4	0	6.6%
88.9%	4	4	0	6.6%
90.1%	4	4	0	6.6%
91.4%	4	4	0	6.6%
92.6%	4	4	0	6.6%
93.8%	4	4	0	5.0%
95.1%	4	4	0	1.8%
96.3%	4	4	0	1.4%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	3	4	1	21.3%

May				
Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	9	9	0	0.0%
1.2%	9	9	0	0.0%
2.5%	8	8	0	0.0%
3.7%	7	7	0	0.0%
4.9%	7	7	0	0.0%
6.2%	7	7	0	0.0%
7.4%	6	6	0	0.0%
8.6%	6	6	0	0.0%
9.9%	6	6	0	0.0%
11.1%	6	6	0	0.0%
12.3%	6	6	0	2.7%
13.6%	6	6	0	0.0%
14.8%	6	6	0	0.0%
16.0%	6	6	0	0.0%
17.3%	5	5	0	0.5%
18.5%	5	5	0	-0.9%
19.8%	5	5	0	-2.0%
21.0%	5	5	0	-0.8%
22.2%	5	5	0	-2.7%
23.5%	5	5	0	-1.2%
24.7%	5	5	0	0.1%
25.9%	5	5	0	0.4%
27.2%	5	5	0	-0.5%
28.4%	5	5	0	-1.1%
29.6%	5	5	0	0.0%
30.9%	5	5	0	0.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.6%
50.6%	5	5	0	0.3%
51.9%	5	5	0	2.6%
53.1%	5	5	0	1.8%
54.3%	4	4	0	1.0%
55.6%	4	4	0	2.4%
56.8%	4	4	0	4.1%
58.0%	4	4	0	3.3%
59.3%	4	4	0	0.9%
60.5%	4	4	0	1.4%
61.7%	4	4	0	1.4%
63.0%	4	4	0	1.5%
64.2%	4	4	0	1.5%
65.4%	4	4	0	1.6%
66.7%	4	4	0	2.0%
67.9%	4	4	0	2.1%
69.1%	4	4	0	2.5%
70.4%	4	4	0	4.0%
71.6%	4	4	0	4.6%
72.8%	4	4	0	4.6%
74.1%	4	4	0	4.4%
75.3%	4	4	0	4.6%
76.5%	4	4	0	4.9%
77.8%	4	4	0	5.4%
79.0%	4	4	0	6.7%
80.2%	4	4	0	7.1%
81.5%	4	4	0	7.7%
82.7%	4	4	0	8.7%
84.0%	4	4	0	9.5%
85.2%	4	4	0	9.6%
86.4%	4	4	0	9.3%
87.7%	4	4	0	6.9%
88.9%	4	4	0	5.6%
90.1%	4	4	0	5.5%
91.4%	4	4	0	4.5%
92.6%	4	4	0	3.2%
93.8%	4	4	0	1.2%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	4	4	0	0.0%
98.8%	4	4	0	0.0%
100.0%	3	3	0	11.9%

Table SW-58-b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	6	0	-6.8%
1.2%	7	6	-1	-9.1%
2.5%	6	6	-1	-10.7%
3.7%	6	6	-1	-10.2%
4.9%	6	6	-1	-11.1%
6.2%	6	6	0	-5.6%
7.4%	6	6	0	-3.6%
8.6%	6	6	0	-3.1%
9.9%	6	6	0	-3.0%
11.1%	6	6	0	0.0%
12.3%	5	5	0	1.6%
13.6%	5	5	0	1.4%
14.8%	5	5	0	0.7%
16.0%	5	5	0	0.0%
17.3%	5	5	0	-0.1%
18.5%	5	5	0	0.9%
19.8%	5	5	0	1.4%
21.0%	5	5	0	0.9%
22.2%	5	5	0	0.2%
23.5%	5	5	0	0.5%
24.7%	5	5	0	0.5%
25.9%	5	5	0	0.5%
27.2%	5	5	0	0.4%
28.4%	5	5	0	0.2%
29.6%	5	5	0	0.0%
30.9%	5	5	0	-1.0%
32.1%	5	5	0	-1.4%
33.3%	5	5	0	-1.0%
34.6%	5	5	0	-0.6%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	-0.9%
55.6%	5	5	0	-3.0%
56.8%	5	5	0	-2.6%
58.0%	5	5	0	-1.7%
59.3%	5	5	0	-0.3%
60.5%	5	5	0	-0.2%
61.7%	5	5	0	0.3%
63.0%	5	5	0	0.8%
64.2%	5	5	0	0.5%
65.4%	4	5	0	2.5%
66.7%	4	5	0	2.8%
67.9%	4	5	0	3.7%
69.1%	4	5	0	3.8%
70.4%	4	5	0	7.1%
71.6%	4	5	0	7.5%
72.8%	4	5	0	7.5%
74.1%	4	5	0	8.3%
75.3%	4	5	0	8.3%
76.5%	4	5	0	8.3%
77.8%	4	5	0	8.4%
79.0%	4	4	0	7.9%
80.2%	4	4	0	7.1%
81.5%	4	4	0	8.2%
82.7%	4	4	0	7.8%
84.0%	4	4	0	7.6%
85.2%	4	4	0	7.7%
86.4%	4	4	0	8.8%
87.7%	4	4	0	7.8%
88.9%	4	4	0	8.5%
90.1%	4	4	0	6.7%
91.4%	4	4	0	7.4%
92.6%	4	4	0	4.0%
93.8%	4	4	0	2.5%
95.1%	4	4	0	3.0%
96.3%	4	4	0	0.7%
97.5%	4	4	0	1.0%
98.8%	3	3	0	2.2%
100.0%	3	3	0	4.5%

July

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	0.0%
2.5%	7	7	0	0.0%
3.7%	7	7	0	0.0%
4.9%	7	7	0	0.0%
6.2%	7	7	0	0.0%
7.4%	7	7	0	0.0%
8.6%	7	7	0	0.0%
9.9%	7	7	0	0.0%
11.1%	7	7	0	0.0%
12.3%	7	7	0	-1.8%
13.6%	7	7	0	-2.6%
14.8%	7	7	0	-2.7%
16.0%	7	7	0	-5.2%
17.3%	7	7	0	-5.5%
18.5%	7	7	0	-5.5%
19.8%	7	7	0	-6.2%
21.0%	7	7	0	-6.3%
22.2%	7	7	-1	-7.6%
23.5%	7	7	-1	-8.6%
24.7%	7	6	-1	-9.1%
25.9%	7	6	-1	-10.1%
27.2%	7	6	-1	-11.3%
28.4%	7	6	-1	-11.0%
29.6%	7	6	-1	-11.2%
30.9%	7	6	-1	-10.4%
32.1%	7	6	-1	-11.2%
33.3%	7	6	-1	-11.3%
34.6%	7	6	-1	-11.0%
35.8%	7	6	-1	-12.0%
37.0%	7	6	-1	-12.9%
38.3%	7	6	-1	-12.6%
39.5%	7	6	-1	-12.5%
40.7%	7	6	-1	-13.1%
42.0%	7	6	-1	-12.9%
43.2%	6	6	-1	-11.9%
44.4%	6	6	-1	-11.0%
45.7%	6	6	-1	-12.0%
46.9%	6	6	-1	-12.0%
48.1%	6	5	-1	-11.7%
49.4%	6	5	-1	-10.9%
50.6%	6	5	-1	-11.1%
51.9%	6	5	-1	-11.1%
53.1%	6	5	-1	-10.7%
54.3%	6	5	-1	-9.6%
55.6%	6	5	-1	-9.5%
56.8%	6	5	-1	-9.1%
58.0%	6	5	-1	-9.0%
59.3%	6	5	0	-6.6%
60.5%	6	5	0	-6.5%
61.7%	6	5	0	-5.5%
63.0%	6	5	0	-5.5%
64.2%	6	5	0	-5.1%
65.4%	6	5	0	-3.7%
66.7%	6	5	0	-3.6%
67.9%	5	5	0	-2.9%
69.1%	5	5	0	-3.0%
70.4%	5	5	0	-2.7%
71.6%	5	5	0	-1.0%
72.8%	5	5	0	-0.9%
74.1%	5	5	0	-0.8%
75.3%	5	5	0	-6.1%
76.5%	5	5	0	2.5%
77.8%	5	5	0	2.9%
79.0%	5	5	0	3.2%
80.2%	5	5	0	3.3%
81.5%	5	5	0	3.8%
82.7%	5	5	0	1.7%
84.0%	5	5	0	1.4%
85.2%	5	5	0	0.2%
86.4%	5	5	0	-1.7%
87.7%	5	5	0	-2.8%
88.9%	5	5	0	-2.3%
90.1%	5	5	0	-0.3%
91.4%	4	4	0	0.0%
92.6%	4	4	0	3.3%
93.8%	4	4	0	3.2%
95.1%	4	4	0	2.4%
96.3%	4	4	0	4.2%
97.5%	4	4	0	7.3%
98.8%	4	4	0	0.9%
100.0%	3	3	0	-6.0%

August

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	6	0	-4.8%
1.2%	6	6	0	-1.3%
2.5%	6	6	0	-2.3%
3.7%	6	5	0	-3.3%
4.9%	6	5	0	-5.4%
6.2%	5	5	0	-3.4%
7.4%	5	5	0	-2.4%
8.6%	5	5	0	0.0%
9.9%	5	5	0	-4.7%
11.1%	5	5	0	-0.3%
12.3%	5	5	0	-0.2%
13.6%	5	5	0	1.3%
14.8%	5	5	0	3.1%
16.0%	5	5	0	3.7%
17.3%	5	5	0	4.0%
18.5%	5	5	0	4.0%
19.8%	5	5	0	4.5%
21.0%	5	5	0	4.4%
22.2%	5	5	0	3.6%
23.5%	5	5	0	2.0%
24.7%	5	5	0	1.7%
25.9%	5	5	0	1.5%
27.2%	5	5	0	1.1%
28.4%	5	5	0	0.9%
29.6%	5	5	0	0.9%
30.9%	5	5	0	0.8%
32.1%	5	5	0	0.1%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	-0.3%
45.7%	5	5	0	-0.9%
46.9%	5	5	0	-1.7%
48.1%	5	5	0	-1.8%
49.4%	5	5	0	-2.8%
50.6%	5	5	0	-2.9%
51.9%	5	5	0	-2.1%
53.1%	5	5	0	-2.3%
54.3%	5	5	0	0.2%
55.6%	5	5	0	1.2%
56.8%	5	5	0	0.7%
58.0%	4	5	0	2.0%
59.3%	4	5	0	1.7%
60.5%	4	5	0	2.6%
61.7%	4	5	0	4.9%
63.0%	4	4	0	5.1%
64.2%	4	4	0	4.1%
65.4%	4	4	0	3.1%
66.7%	4	4	0	2.7%
67.9%	4	4	0	3.0%
69.1%	4	4	0	3.3%
70.4%	4	4	0	3.6%
71.6%	4	4	0	2.7%
72.8%	4	4	0	3.1%
74.1%	4	4	0	2.0%
75.3%	4	4	0	2.7%
76.5%	4	4	0	2.6%
77.8%	4	4	0	2.9%
79.0%	4	4	0	2.4%
80.2%	4	4	0	4.4%
81.5%	4	4	0	6.0%
82.7%	4	4	0	5.2%
84.0%	4	4	0	6.7%
85.2%	4	4	0	6.6%
86.4%	4	4	0	6.2%
87.7%	4	4	0	5.0%
88.9%	4	4	0	2.9%
90.1%	4	4	0	2.7%
91.4%	4	4	0	1.7%
92.6%	4	4	0	0.9%
93.8%	4	4	0	0.8%
95.1%	4	4	0	0.0%
96.3%	4	4	0	3.5%
97.5%	3	4	0	9.3%
98.8%	3	4	0	9.8%
100.0%	3	3	0	8.0%

September

Percent Exceedance Probability	WSIP 2030 Without Project Monthly Stage (FT)	WSIP 2030 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	-0.5%
1.2%	7	7	0	-1.8%
2.5%	7	7	0	-2.3%
3.7%	7	7	0	-2.4%
4.9%	7	7	0	-3.2%
6.2%	7	6	-1	-8.1%
7.4%	7	6	0	-2.8%
8.6%	6	6	0	-1.2%
9.9%	6	6	0	-1.6%
11.1%	6	6	0	-3.4%
12.3%	6	6	0	-3.5%
13.6%	6	6	0	-1.0%
14.8%	6	6	0	-1.3%
16.0%	6	6	0	-1.9%
17.3%	6	6	0	-0.6%
18.5%	6	6	0	-0.3%
19.8%	6	6	0	0.0%
21.0%	6	6	0	-0.3%
22.2%	5	6	0	0.3%
23.5%	5	5	0	-0.4%
24.7%	5	5	0	-1.2%
25.9%	5	5	0	-2.6%
27.2%	5	5	0	-0.3%
28.4%	5	5	0	-3.3%
29.6%	5	5	0	-1.1%
30.9%	5	5	0	-1.5%
32.1%	5	5	0	-0.1%
33.3%	5	5	0	-0.7%
34.6%	5	5	0	-0.9%
35.8%	5	5	0	-0.6%
37.0%	5	5	0	1.3%
38.3%	5	5	0	2.5%
39.5%	5	5	0	2.5%
40.7%	5	5	0	2.5%
42.0%	5	5	0	2.0%
43.2%	5	5	0	1.5%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.1%
49.4%	5	5	0	0.4%
50.6%	5	5	0	0.4%
51.9%	5	5	0	0.1%
53.1%	5	5	0	0.5%
54.3%	5	5	0	0.6%
55.6%	4	5	0	2.4%
56.8%	4	5	0	3.7%
58.0%	4	4	0	4.4%
59.3%	4	4	0	4.5%
60.5%	4	4	0	4.8%
61.7%	4	4	0	4.8%
63.0%	4	4	0	5.1%
64.2%	4	4	0	3.6%
65.4%	4	4	0	4.9%
66.7%	4	4	0	5.1%
67.9%	4	4	0	4.8%
69.1%	4	4	0	5.7%
70.4%	4	4	0	5.2%
71.6%	4	4	0	5.1%
72.8%	4	4	0	7.2%
74.1%	4	4	0	8.3%
75.3%	4	4	0	9.8%
76.5%	4	4	0	10.4%
77.8%	4	4	0	10.1%
79.0%	4	4	0	8.1%
80.2%	4	4	0	8.0%
81.5%	4	4	0	7.6%
82.7%	4	4	0	7.6%
84.0%	4	4	0	7.1%
85.2%	4	4	0	6.9%
86.4%	4	4	0	5.2%
87.7%	4	4	0	4.3%
88.9%	4	4	0	2.3%
90.1%	4	4	0	1.0%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	3.6%
96.3%	3	4	0	9.1%
97.5%	3	4	0	9.5%
98.8%	3	3	0	4.5%
100.0%	3	3	0	1.4%

Trinity and Sacramento River Basin Operations

Summary Tables and Bar Charts

Table SW-01-a
Trinity Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	1,101	1,103	1,217	1,387	1,558	1,697	1,814	1,689	1,572	1,414	1,264	1,152
WSIP 2070 With Project	1,097	1,099	1,214	1,387	1,560	1,701	1,819	1,693	1,579	1,425	1,265	1,149
Difference	-4	-5	-2	0	1	4	5	5	8	11	1	-3
Percent Difference[3]	-0.3%	-0.4%	-0.2%	0.0%	0.1%	0.3%	0.3%	0.3%	0.5%	0.8%	0.1%	-0.3%
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	1,365	1,334	1,450	1,694	1,898	2,030	2,184	2,058	1,896	1,745	1,602	1,456
WSIP 2070 With Project	1,337	1,302	1,423	1,681	1,892	2,027	2,181	2,056	1,890	1,747	1,589	1,434
Difference	-29	-33	-27	-13	-6	-3	-3	-3	-6	2	-14	-22
Percent Difference	-2.1%	-2.4%	-1.9%	-0.7%	-0.3%	-0.1%	-0.1%	-0.1%	-0.3%	0.1%	-0.9%	-1.5%
Above Normal (13.4%)												
WSIP 2070 Without Project	1,368	1,356	1,425	1,537	1,798	1,975	2,127	1,968	1,857	1,700	1,555	1,420
WSIP 2070 With Project	1,340	1,333	1,406	1,529	1,792	1,983	2,135	1,975	1,874	1,716	1,541	1,395
Difference	-28	-24	-19	-8	-6	8	8	8	17	16	-14	-25
Percent Difference	-2.0%	-1.7%	-1.4%	-0.5%	-0.3%	0.4%	0.4%	0.4%	0.9%	1.0%	-0.9%	-1.8%
Below Normal (15.9%)												
WSIP 2070 Without Project	1,154	1,181	1,303	1,376	1,523	1,680	1,817	1,697	1,600	1,443	1,279	1,181
WSIP 2070 With Project	1,147	1,176	1,300	1,369	1,516	1,672	1,810	1,691	1,597	1,443	1,272	1,170
Difference	-7	-4	-3	-7	-7	-9	-7	-7	-3	0	-7	-11
Percent Difference	-0.6%	-0.4%	-0.2%	-0.5%	-0.5%	-0.5%	-0.4%	-0.4%	-0.2%	0.0%	-0.5%	-0.9%
Dry (24.4%)												
WSIP 2070 Without Project	881	913	1,075	1,198	1,350	1,505	1,591	1,453	1,345	1,168	994	903
WSIP 2070 With Project	889	921	1,080	1,213	1,369	1,522	1,608	1,471	1,364	1,186	1,010	913
Difference	8	8	5	15	19	17	17	17	19	18	15	10
Percent Difference	0.9%	0.9%	0.5%	1.2%	1.4%	1.1%	1.1%	1.2%	1.4%	1.6%	1.5%	1.1%
Critical (14.6%)												
WSIP 2070 Without Project	593	604	664	914	988	1,057	1,095	1,016	954	815	701	627
WSIP 2070 With Project	650	657	719	931	993	1,068	1,105	1,024	977	840	731	673
Difference	56	52	54	17	6	11	9	9	23	25	31	47
Percent Difference	9.5%	8.7%	8.2%	1.8%	0.6%	1.0%	0.9%	0.9%	2.4%	3.1%	4.4%	7.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-02-a
Trinity Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	2,261	2,261	2,273	2,290	2,305	2,317	2,325	2,316	2,307	2,292	2,277	2,266
WSIP 2070 With Project	2,261	2,262	2,274	2,290	2,306	2,318	2,326	2,317	2,307	2,293	2,278	2,266
Difference	1	1	1	1	1	1	1	1	1	1	1	1
Percent Difference[3]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	2,291	2,288	2,298	2,319	2,336	2,345	2,355	2,347	2,335	2,323	2,311	2,299
WSIP 2070 With Project	2,288	2,285	2,296	2,317	2,336	2,345	2,355	2,347	2,335	2,323	2,310	2,296
Difference	-3	-3	-2	-1	0	0	0	0	-1	0	-1	-2
Percent Difference	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%
Above Normal (13.4%)												
WSIP 2070 Without Project	2,291	2,290	2,296	2,304	2,327	2,341	2,350	2,340	2,332	2,319	2,307	2,296
WSIP 2070 With Project	2,289	2,288	2,294	2,303	2,327	2,342	2,351	2,341	2,334	2,321	2,306	2,293
Difference	-2	-2	-2	0	0	1	1	1	1	1	-1	-2
Percent Difference	-0.1%	-0.1%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.0%	-0.1%
Below Normal (15.9%)												
WSIP 2070 Without Project	2,271	2,274	2,285	2,291	2,304	2,318	2,328	2,319	2,311	2,298	2,283	2,274
WSIP 2070 With Project	2,271	2,274	2,285	2,291	2,304	2,317	2,328	2,319	2,311	2,298	2,283	2,273
Difference	-1	0	0	0	0	-1	0	-1	0	0	0	-1
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (24.4%)												
WSIP 2070 Without Project	2,239	2,243	2,260	2,274	2,288	2,303	2,310	2,298	2,288	2,271	2,253	2,242
WSIP 2070 With Project	2,240	2,244	2,261	2,276	2,291	2,304	2,312	2,300	2,290	2,274	2,255	2,243
Difference	1	1	1	2	2	2	2	2	2	2	2	1
Percent Difference	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Critical (14.6%)												
WSIP 2070 Without Project	2,192	2,192	2,205	2,239	2,249	2,258	2,262	2,253	2,246	2,225	2,208	2,198
WSIP 2070 With Project	2,205	2,206	2,216	2,243	2,251	2,260	2,264	2,255	2,249	2,230	2,215	2,209
Difference	13	14	11	4	2	2	1	1	3	5	6	11
Percent Difference	0.6%	0.6%	0.5%	0.2%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.3%	0.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-03-a
Trinity Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	9,466	9,483	10,163	11,124	12,036	12,733	13,273	12,688	12,120	11,269	10,420	9,767
WSIP 2070 With Project	9,462	9,479	10,165	11,145	12,060	12,770	13,308	12,722	12,174	11,342	10,438	9,767
Difference	-4	-4	2	21	24	37	34	34	54	73	19	0
Percent Difference[3]	0.0%	0.0%	0.0%	0.2%	0.2%	0.3%	0.3%	0.3%	0.4%	0.6%	0.2%	0.0%
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	11,131	10,946	11,587	12,815	13,830	14,398	15,033	14,515	13,819	13,115	12,414	11,640
WSIP 2070 With Project	10,959	10,756	11,426	12,764	13,804	14,386	15,022	14,502	13,791	13,118	12,329	11,511
Difference	-172	-190	-161	-52	-26	-12	-12	-13	-29	3	-85	-129
Percent Difference	-1.5%	-1.7%	-1.4%	-0.4%	-0.2%	-0.1%	-0.1%	-0.1%	-0.2%	0.0%	-0.7%	-1.1%
Above Normal (13.4%)												
WSIP 2070 Without Project	11,159	11,101	11,463	11,981	13,276	14,103	14,751	14,073	13,612	12,888	12,182	11,468
WSIP 2070 With Project	11,003	10,970	11,356	11,952	13,260	14,157	14,797	14,126	13,697	12,989	12,121	11,329
Difference	-156	-130	-107	-29	-16	54	46	53	85	100	-61	-139
Percent Difference	-1.4%	-1.2%	-0.9%	-0.2%	-0.1%	0.4%	0.3%	0.4%	0.6%	0.8%	-0.5%	-1.2%
Below Normal (15.9%)												
WSIP 2070 Without Project	9,911	10,077	10,797	11,184	11,951	12,763	13,446	12,923	12,431	11,598	10,663	10,073
WSIP 2070 With Project	9,872	10,054	10,778	11,151	11,930	12,733	13,427	12,895	12,426	11,604	10,630	10,007
Difference	-39	-23	-19	-33	-20	-30	-19	-28	-5	6	-34	-66
Percent Difference	-0.4%	-0.2%	-0.2%	-0.3%	-0.2%	-0.2%	-0.1%	-0.2%	0.0%	0.1%	-0.3%	-0.7%
Dry (24.4%)												
WSIP 2070 Without Project	8,122	8,327	9,329	10,127	11,037	11,902	12,353	11,637	11,021	9,961	8,864	8,274
WSIP 2070 With Project	8,175	8,379	9,369	10,229	11,160	12,006	12,449	11,739	11,138	10,083	8,964	8,337
Difference	53	52	40	102	123	104	96	102	117	122	100	63
Percent Difference	0.7%	0.6%	0.4%	1.0%	1.1%	0.9%	0.8%	0.9%	1.1%	1.2%	1.1%	0.8%
Critical (14.6%)												
WSIP 2070 Without Project	6,065	6,117	6,589	8,271	8,771	9,225	9,452	8,958	8,563	7,607	6,812	6,308
WSIP 2070 With Project	6,510	6,556	7,004	8,418	8,824	9,311	9,530	9,029	8,728	7,798	7,049	6,682
Difference	445	439	415	148	53	86	78	71	166	191	237	374
Percent Difference	7.3%	7.2%	6.3%	1.8%	0.6%	0.9%	0.8%	0.8%	1.9%	2.5%	3.5%	5.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

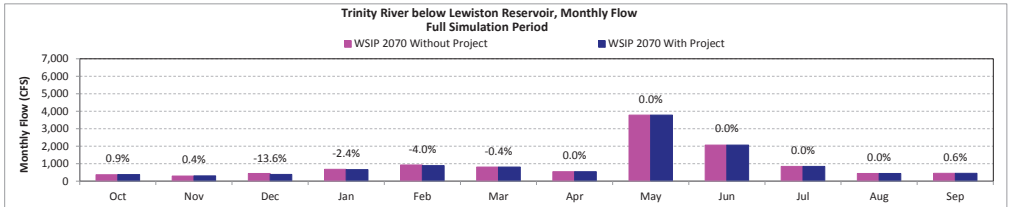
Table SW-04-a
Trinity River below Lewiston Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

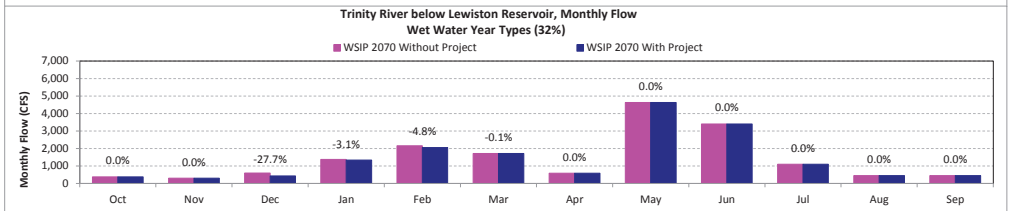
Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	370	299	443	676	932	808	540	3,779	2,068	848	445	447
WSIP 2070 With Project	373	300	382	660	895	805	540	3,779	2,068	848	445	450
Difference	3	1	-60	-16	-37	-4	0	0	0	0	0	3
Percent Difference[3]	0.9%	0.4%	-13.6%	-2.4%	-4.0%	-0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	373	300	592	1,376	2,159	1,716	582	4,630	3,399	1,102	450	450
WSIP 2070 With Project	373	300	428	1,334	2,055	1,714	582	4,630	3,399	1,102	450	450
Difference	0	0	-164	-42	-103	-2	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	-27.7%	-3.1%	-4.8%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (13.4%)												
WSIP 2070 Without Project	373	300	673	560	619	741	463	4,662	2,489	1,102	450	450
WSIP 2070 With Project	373	300	599	537	584	720	463	4,662	2,489	1,102	450	450
Difference	0	0	-73	-23	-35	-20	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	-10.9%	-4.0%	-5.7%	-2.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (15.9%)												
WSIP 2070 Without Project	373	300	300	300	300	300	510	3,685	1,565	801	450	450
WSIP 2070 With Project	373	300	300	300	300	300	510	3,685	1,565	801	450	450
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (24.4%)												
WSIP 2070 Without Project	373	300	300	300	300	300	527	3,258	1,204	646	450	450
WSIP 2070 With Project	373	300	306	300	300	300	527	3,258	1,204	646	450	450
Difference	0	0	6	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (14.6%)												
WSIP 2070 Without Project	351	291	300	300	300	300	575	2,092	783	450	413	433
WSIP 2070 With Project	373	300	300	300	300	300	575	2,092	783	450	413	450
Difference	22	9	0	0	0	0	0	0	0	0	0	17
Percent Difference	6.3%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%

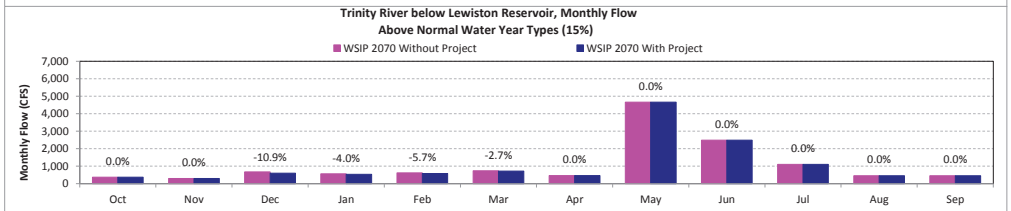
1 Based on the 82-year simulation period

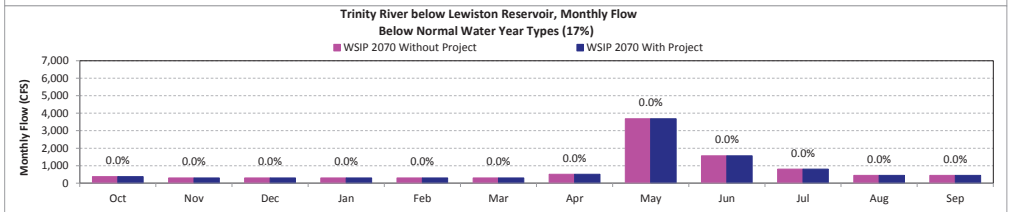
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

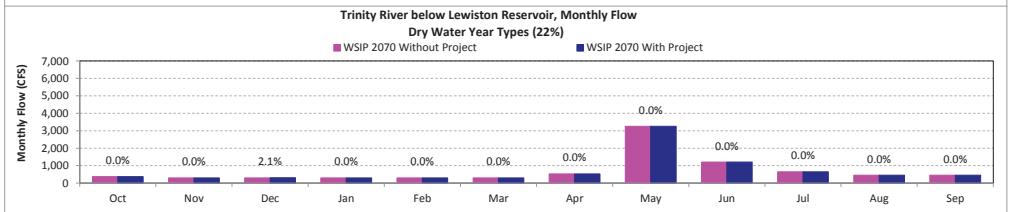
3 Relative difference of the monthly average











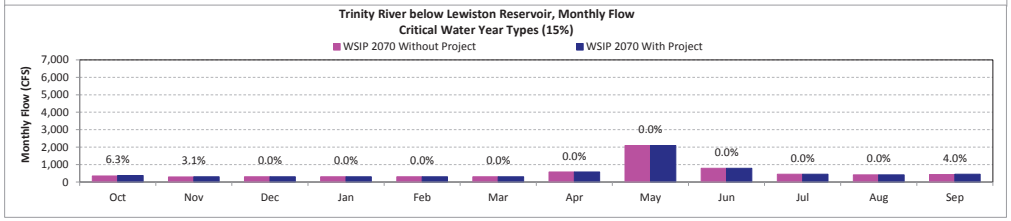


Table SW-05-a
Clear Creek Tunnel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	765	545	195	287	191	329	348	155	622	1,889	2,067	1,596
WSIP 2070 With Project	772	560	221	267	199	283	346	156	568	1,837	2,230	1,659
Difference	6	15	26	-20	9	-46	-3	0	-55	-53	163	63
Percent Difference[3]	0.8%	2.8%	13.3%	-7.0%	4.7%	-14.0%	-0.8%	0.3%	-8.8%	-2.8%	7.9%	3.9%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	1,285	1,145	341	538	228	559	462	0	208	1,596	1,933	2,139
WSIP 2070 With Project	1,390	1,213	417	537	222	506	459	0	264	1,462	2,189	2,284
Difference	105	68	76	-1	-6	-54	-3	0	57	-133	256	144
Percent Difference	8.2%	6.0%	22.4%	-0.1%	-2.7%	-9.6%	-0.7%		27.3%	-8.4%	13.2%	6.8%
Above Normal (13.4%)												
WSIP 2070 Without Project	1,126	940	191	68	64	543	174	0	293	1,582	1,981	1,880
WSIP 2070 With Project	1,164	873	197	55	64	334	183	0	141	1,583	2,481	2,062
Difference	38	-67	7	-14	0	-210	9	0	-152	1	500	182
Percent Difference	3.3%	-7.2%	3.5%			-38.6%	5.2%		-51.9%	0.1%	25.2%	9.7%
Below Normal (15.9%)												
WSIP 2070 Without Project	440	158	92	144	100	110	262	115	628	1,853	2,292	1,404
WSIP 2070 With Project	365	119	75	185	100	131	234	115	564	1,808	2,394	1,481
Difference	-74	-38	-17	41	0	21	-28	0	-64	-45	102	77
Percent Difference	-16.9%	-24.4%	-18.4%	28.5%	0.0%	19.1%	-10.9%	0.0%	-10.2%	-2.4%	4.5%	5.5%
Dry (24.4%)												
WSIP 2070 Without Project	355	64	66	260	323	118	302	340	1,218	2,416	2,451	1,186
WSIP 2070 With Project	377	66	100	175	248	150	295	335	1,187	2,426	2,501	1,281
Difference	23	3	34	-84	-75	31	-7	-4	-30	10	50	95
Percent Difference	6.4%			-32.5%	-23.2%	26.5%	-2.2%	-1.3%	-2.5%	0.4%	2.0%	8.0%
Critical (14.6%)												
WSIP 2070 Without Project	347	104	208	145	102	219	433	371	824	1,969	1,552	1,050
WSIP 2070 With Project	170	159	174	117	302	137	454	381	588	1,930	1,457	757
Difference	-178	55	-33	-28	200	-82	21	10	-236	-39	-96	-293
Percent Difference	-51.1%	53.6%	-16.1%	-19.3%		-37.2%	4.9%	2.7%	-28.7%	-2.0%	-6.2%	-27.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-06-a
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	187	188	190	255	238	226	192	265	181	85	85	148
WSIP 2070 With Project	186	188	187	253	236	225	191	265	181	84	85	148
Difference	0	0	-2	-2	-2	-1	-1	-1	0	-1	0	0
Percent Difference[3]	-0.2%	0.0%	-1.3%	-0.8%	-1.0%	-0.3%	-0.3%	-0.2%	0.0%	-1.2%	0.0%	0.0%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	200	200	200	399	348	308	200	277	200	85	85	150
WSIP 2070 With Project	199	200	200	401	348	308	200	277	200	82	85	150
Difference	-1	0	0	2	0	0	0	0	0	-3	0	0
Percent Difference	-0.5%	0.0%	0.0%	0.4%	0.0%	-0.1%	-0.1%	0.0%	0.0%	-3.8%	0.0%	0.0%
Above Normal (13.4%)												
WSIP 2070 Without Project	195	195	195	191	191	191	191	274	195	85	85	150
WSIP 2070 With Project	195	195	195	191	191	191	191	274	195	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (15.9%)												
WSIP 2070 Without Project	196	196	196	192	192	192	192	271	188	85	85	150
WSIP 2070 With Project	196	196	196	192	192	192	192	271	188	85	85	150
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (24.4%)												
WSIP 2070 Without Project	183	185	185	193	193	193	193	265	182	85	85	150
WSIP 2070 With Project	183	185	175	193	193	193	193	265	182	85	85	150
Difference	0	0	-10	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	-5.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (14.6%)												
WSIP 2070 Without Project	146	149	163	171	171	171	171	224	120	85	85	133
WSIP 2070 With Project	146	149	163	154	154	167	167	220	120	85	85	133
Difference	0	0	0	-17	-17	-4	-4	-4	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	-9.8%	-9.8%	-2.4%	-2.4%	-1.6%	0.0%	0.0%	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

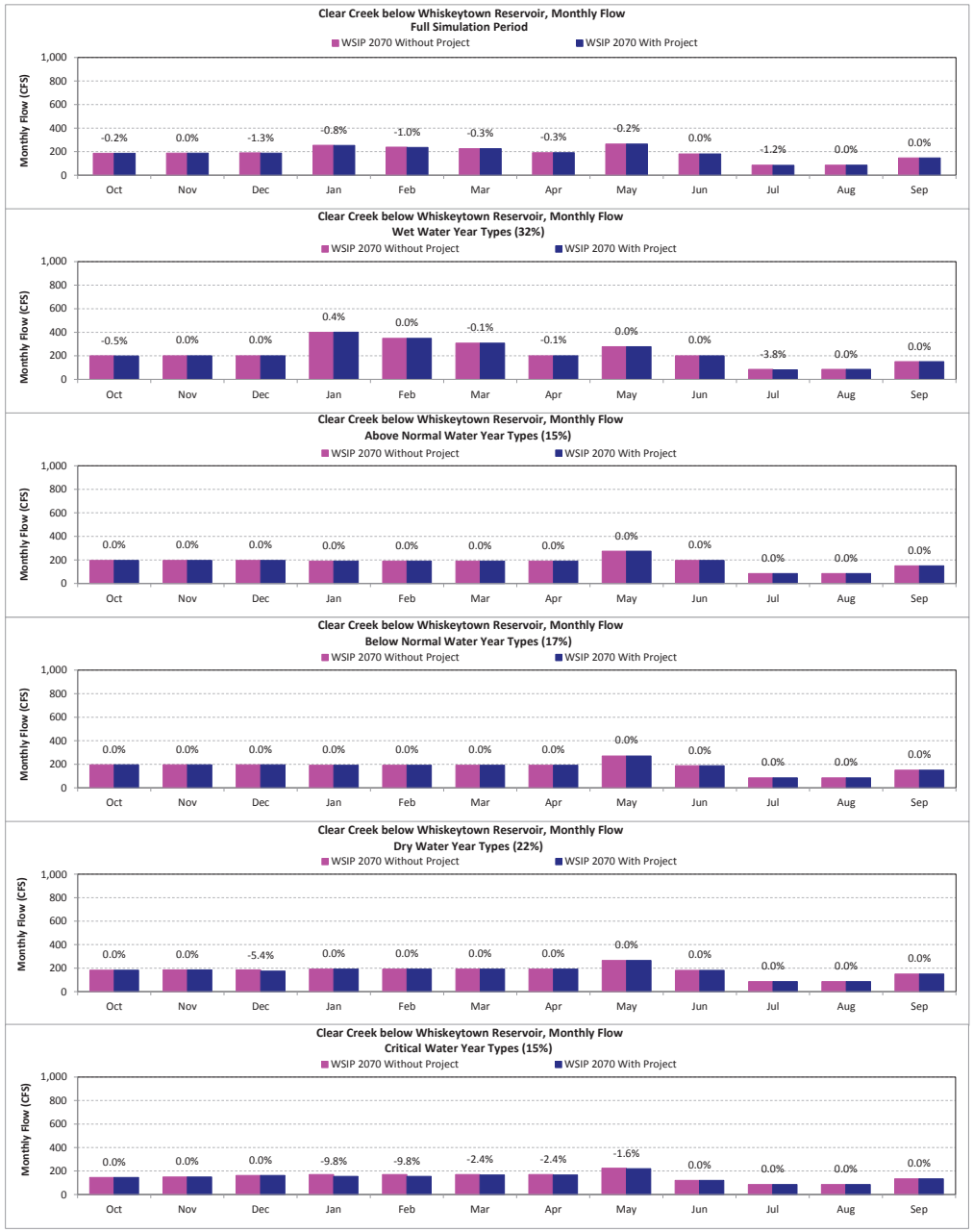


Table SW-07-a
Shasta Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	2,179	2,180	2,499	2,892	3,216	3,591	3,788	3,681	3,249	2,716	2,440	2,262
WSIP 2070 With Project	2,260	2,267	2,575	2,962	3,275	3,645	3,844	3,761	3,356	2,789	2,508	2,321
Difference	81	87	75	70	59	54	56	80	107	73	68	59
Percent Difference[3]	3.7%	4.0%	3.0%	2.4%	1.8%	1.5%	1.5%	2.2%	3.3%	2.7%	2.8%	2.6%
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	2,412	2,339	2,728	3,392	3,574	3,841	4,226	4,228	3,831	3,285	3,023	2,552
WSIP 2070 With Project	2,409	2,354	2,741	3,402	3,575	3,842	4,219	4,242	3,860	3,278	2,985	2,544
Difference	-3	15	13	10	1	1	-7	14	30	-7	-38	-8
Percent Difference	-0.1%	0.6%	0.5%	0.3%	0.0%	0.0%	-0.2%	0.3%	0.8%	-0.2%	-1.3%	-0.3%
Above Normal (13.4%)												
WSIP 2070 Without Project	2,550	2,460	2,633	3,248	3,516	4,056	4,367	4,271	3,836	3,215	2,955	2,686
WSIP 2070 With Project	2,671	2,566	2,694	3,245	3,515	4,053	4,370	4,289	3,917	3,221	2,961	2,789
Difference	121	106	61	-2	-1	-3	3	18	81	6	6	104
Percent Difference	4.7%	4.3%	2.3%	-0.1%	0.0%	-0.1%	0.1%	0.4%	2.1%	0.2%	0.2%	3.9%
Below Normal (15.9%)												
WSIP 2070 Without Project	2,681	2,725	2,986	2,924	3,336	3,793	4,055	3,949	3,478	2,875	2,602	2,658
WSIP 2070 With Project	2,660	2,713	2,960	3,008	3,407	3,860	4,097	4,018	3,580	2,938	2,655	2,646
Difference	-21	-12	-27	84	71	67	42	69	102	63	53	-13
Percent Difference	-0.8%	-0.5%	-0.9%	2.9%	2.1%	1.8%	1.0%	1.8%	2.9%	2.2%	2.0%	-0.5%
Dry (24.4%)												
WSIP 2070 Without Project	2,127	2,214	2,576	2,560	3,098	3,542	3,586	3,386	2,938	2,445	2,160	2,167
WSIP 2070 With Project	2,233	2,329	2,681	2,661	3,181	3,614	3,662	3,478	3,061	2,556	2,280	2,224
Difference	106	114	104	100	83	71	75	92	123	110	120	56
Percent Difference	5.0%	5.2%	4.0%	3.9%	2.7%	2.0%	2.1%	2.7%	4.2%	4.5%	5.5%	2.6%
Critical (14.6%)												
WSIP 2070 Without Project	875	932	1,226	2,002	2,230	2,486	2,357	2,157	1,719	1,305	997	971
WSIP 2070 With Project	1,172	1,219	1,511	2,204	2,419	2,665	2,579	2,428	1,995	1,563	1,282	1,219
Difference	297	287	285	203	189	179	222	271	276	257	286	247
Percent Difference	34.0%	30.8%	23.3%	10.1%	8.5%	7.2%	9.4%	12.6%	16.0%	19.7%	28.7%	25.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-08-a
Shasta Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	961	961	979	998	1,013	1,030	1,037	1,032	1,013	989	974	966
WSIP 2070 With Project	967	967	984	1,003	1,017	1,032	1,039	1,036	1,019	993	979	970
Difference	6	6	5	4	3	3	3	4	5	5	5	5
Percent Difference[3]	0.7%	0.7%	0.5%	0.4%	0.3%	0.2%	0.3%	0.4%	0.5%	0.5%	0.5%	0.5%
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	977	974	993	1,023	1,031	1,041	1,055	1,055	1,040	1,018	1,007	985
WSIP 2070 With Project	977	974	993	1,023	1,031	1,041	1,055	1,056	1,042	1,018	1,005	985
Difference	0	1	1	0	0	0	0	1	1	0	-2	0
Percent Difference	0.0%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	-0.2%	0.0%
Above Normal (13.4%)												
WSIP 2070 Without Project	985	981	989	1,017	1,028	1,049	1,060	1,057	1,041	1,015	1,004	992
WSIP 2070 With Project	991	986	992	1,017	1,028	1,049	1,061	1,058	1,044	1,016	1,004	997
Difference	6	5	3	0	0	0	0	1	3	0	0	5
Percent Difference	0.6%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%	0.1%	0.3%	0.0%	0.0%	0.5%
Below Normal (15.9%)												
WSIP 2070 Without Project	991	993	1,005	1,002	1,020	1,039	1,049	1,045	1,026	1,000	988	990
WSIP 2070 With Project	990	993	1,004	1,006	1,023	1,042	1,051	1,048	1,030	1,003	990	989
Difference	-1	-1	-1	4	3	3	2	2	4	3	2	-1
Percent Difference	-0.1%	-0.1%	-0.1%	0.4%	0.3%	0.3%	0.1%	0.2%	0.4%	0.3%	0.2%	-0.1%
Dry (24.4%)												
WSIP 2070 Without Project	962	966	985	984	1,009	1,028	1,030	1,022	1,002	979	964	965
WSIP 2070 With Project	968	973	990	990	1,013	1,032	1,033	1,026	1,008	984	971	968
Difference	6	7	6	6	4	3	3	4	6	5	7	3
Percent Difference	0.6%	0.7%	0.6%	0.6%	0.4%	0.3%	0.3%	0.4%	0.6%	0.6%	0.7%	0.3%
Critical (14.6%)												
WSIP 2070 Without Project	866	872	900	949	963	979	972	961	933	904	878	875
WSIP 2070 With Project	895	899	922	962	974	988	984	977	951	925	904	899
Difference	29	27	22	13	11	9	12	16	18	20	26	24
Percent Difference	3.4%	3.1%	2.4%	1.4%	1.2%	0.9%	1.2%	1.7%	1.9%	2.3%	3.0%	2.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-09-a
Shasta Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	17,848	17,873	19,721	21,907	23,654	25,533	26,393	25,856	23,710	20,891	19,325	18,346
WSIP 2070 With Project	18,394	18,439	20,185	22,325	23,992	25,828	26,696	26,279	24,295	21,340	19,782	18,751
Difference	547	567	465	419	338	294	303	422	586	449	457	405
Percent Difference[3]	3.1%	3.2%	2.4%	1.9%	1.4%	1.2%	1.1%	1.6%	2.5%	2.1%	2.4%	2.2%
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	19,348	18,932	21,085	24,683	25,616	26,861	28,600	28,604	26,794	24,078	22,706	20,132
WSIP 2070 With Project	19,335	19,019	21,160	24,737	25,623	26,867	28,570	28,666	26,930	24,049	22,500	20,096
Difference	-13	86	76	54	7	6	-30	62	136	-29	-206	-36
Percent Difference	-0.1%	0.5%	0.4%	0.2%	0.0%	0.0%	-0.1%	0.2%	0.5%	-0.1%	-0.9%	-0.2%
Above Normal (13.4%)												
WSIP 2070 Without Project	20,140	19,639	20,592	23,912	25,333	27,873	29,208	28,795	26,860	23,729	22,350	20,894
WSIP 2070 With Project	20,802	20,224	20,928	23,901	25,331	27,859	29,220	28,871	27,256	23,770	22,382	21,457
Difference	662	585	336	-11	-3	-14	12	76	395	42	32	563
Percent Difference	3.3%	3.0%	1.6%	0.0%	0.0%	-0.1%	0.0%	0.3%	1.5%	0.2%	0.1%	2.7%
Below Normal (15.9%)												
WSIP 2070 Without Project	20,850	21,099	22,504	22,152	24,317	26,597	27,844	27,365	25,076	21,915	20,424	20,738
WSIP 2070 With Project	20,726	21,029	22,357	22,628	24,702	26,944	28,026	27,655	25,566	22,247	20,702	20,653
Difference	-124	-71	-147	477	385	348	182	290	490	331	279	-85
Percent Difference	-0.6%	-0.3%	-0.7%	2.2%	1.6%	1.3%	0.7%	1.1%	2.0%	1.5%	1.4%	-0.4%
Dry (24.4%)												
WSIP 2070 Without Project	17,715	18,195	20,226	20,139	23,065	25,327	25,506	24,524	22,221	19,525	17,926	17,967
WSIP 2070 With Project	18,321	18,860	20,826	20,719	23,517	25,711	25,908	24,996	22,897	20,139	18,608	18,286
Difference	606	665	600	580	452	384	402	472	676	614	683	319
Percent Difference	3.4%	3.7%	3.0%	2.9%	2.0%	1.5%	1.6%	1.9%	3.0%	3.1%	3.8%	1.8%
Critical (14.6%)												
WSIP 2070 Without Project	9,464	9,924	12,109	16,735	18,126	19,704	18,940	17,794	15,140	12,550	10,368	10,180
WSIP 2070 With Project	11,745	12,040	13,972	18,005	19,253	20,697	20,198	19,377	16,827	14,259	12,468	12,071
Difference	2,281	2,115	1,863	1,270	1,127	993	1,258	1,583	1,687	1,709	2,101	1,890
Percent Difference	24.1%	21.3%	15.4%	7.6%	6.2%	5.0%	6.6%	8.9%	11.1%	13.6%	20.3%	18.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-10-a
Sacramento River below Keswick Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	6,303	6,441	6,167	9,854	12,357	9,185	6,863	7,780	11,743	13,731	9,657	8,219
WSIP 2070 With Project	5,957	6,339	6,370	9,921	12,559	9,226	6,835	7,385	11,229	14,221	9,865	8,451
Difference	-345	-101	203	67	202	41	-28	-395	-515	490	208	231
Percent Difference[3]	-5.5%	-1.6%	3.3%	0.7%	1.6%	0.5%	-0.4%	-5.1%	-4.4%	3.6%	2.2%	2.8%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	7,426	8,338	6,327	20,037	24,214	17,119	8,283	7,388	11,292	14,025	9,518	13,707
WSIP 2070 With Project	7,456	8,058	6,406	19,997	24,362	17,065	8,422	7,044	11,085	14,496	10,273	13,404
Difference	31	-280	80	-40	148	-54	139	-344	-207	471	755	-303
Percent Difference	0.4%	-3.4%	1.3%	-0.2%	0.6%	-0.3%	1.7%	-4.7%	-1.8%	3.4%	7.9%	-2.2%
Above Normal (13.4%)												
WSIP 2070 Without Project	7,168	8,851	6,064	9,134	17,768	9,393	5,810	7,916	11,907	15,029	9,568	9,874
WSIP 2070 With Project	6,769	9,035	6,796	9,400	17,739	9,229	5,716	7,675	10,684	16,249	10,069	8,408
Difference	-398	184	732	266	-30	-164	-94	-242	-1,222	1,220	501	-1,466
Percent Difference	-5.6%	2.1%	12.1%	2.9%	-0.2%	-1.7%	-1.6%	-3.1%	-10.3%	8.1%	5.2%	-14.8%
Below Normal (15.9%)												
WSIP 2070 Without Project	4,868	5,482	7,186	5,534	5,254	4,726	5,346	7,714	12,103	14,726	9,746	4,532
WSIP 2070 With Project	4,934	5,294	7,398	5,623	5,491	4,803	5,734	7,277	11,475	15,309	10,019	5,707
Difference	66	-188	212	89	237	77	388	-437	-627	583	273	1,175
Percent Difference	1.4%	-3.4%	2.9%	1.6%	4.5%	1.6%	7.3%	-5.7%	-5.2%	4.0%	2.8%	25.9%
Dry (24.4%)												
WSIP 2070 Without Project	5,795	4,931	7,057	3,561	3,879	4,780	6,451	8,354	12,172	13,370	9,931	4,544
WSIP 2070 With Project	5,035	4,792	7,232	3,687	4,120	4,994	6,380	8,071	11,614	13,579	9,814	5,702
Difference	-760	-139	176	126	241	214	-71	-283	-558	209	-118	1,158
Percent Difference	-13.1%	-2.8%	2.5%	3.5%	6.2%	4.5%	-1.1%	-3.4%	-4.6%	1.6%	-1.2%	25.5%
Critical (14.6%)												
WSIP 2070 Without Project	5,477	3,675	3,331	3,615	3,532	3,973	7,080	7,620	11,468	11,425	9,489	4,931
WSIP 2070 With Project	4,611	3,854	3,349	3,612	3,960	4,084	6,373	6,833	11,129	11,654	8,713	5,309
Difference	-866	179	19	-4	429	111	-708	-788	-339	229	-775	378
Percent Difference	-15.8%	4.9%	0.6%	-0.1%	12.1%	2.8%	-10.0%	-10.3%	-3.0%	2.0%	-8.2%	7.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-11-a
Sacramento River at Bend Bridge, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	7,145	8,586	11,733	17,889	20,910	15,423	10,186	9,174	12,437	14,026	9,904	8,718
WSIP 2070 With Project	6,798	8,489	11,934	17,953	21,110	15,463	10,158	8,779	11,926	14,517	10,108	8,947
Difference	-347	-97	201	64	200	40	-28	-395	-511	490	204	229
Percent Difference[3]	-4.9%	-1.1%	1.7%	0.4%	1.0%	0.3%	-0.3%	-4.3%	-4.1%	3.5%	2.1%	2.6%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	8,248	10,682	12,600	34,139	37,157	26,612	13,685	9,296	12,303	14,559	9,842	14,278
WSIP 2070 With Project	8,282	10,403	12,682	34,101	37,306	26,558	13,824	8,951	12,099	15,027	10,593	13,969
Difference	34	-279	82	-38	149	-55	140	-345	-204	468	751	-310
Percent Difference	0.4%	-2.6%	0.7%	-0.1%	0.4%	-0.2%	1.0%	-3.7%	-1.7%	3.2%	7.6%	-2.2%
Above Normal (13.4%)												
WSIP 2070 Without Project	7,986	10,969	9,898	19,403	28,778	16,238	9,414	9,552	12,712	15,284	9,854	10,355
WSIP 2070 With Project	7,600	11,154	10,625	19,671	28,749	16,076	9,321	9,311	11,491	16,509	10,346	8,884
Difference	-386	185	728	267	-29	-162	-92	-241	-1,221	1,225	492	-1,471
Percent Difference	-4.8%	1.7%	7.4%	1.4%	-0.1%	-1.0%	-1.0%	-2.5%	-9.6%	8.0%	5.0%	-14.2%
Below Normal (15.9%)												
WSIP 2070 Without Project	5,962	7,965	13,471	11,234	11,466	9,773	8,577	8,992	12,679	14,932	9,980	5,096
WSIP 2070 With Project	6,019	7,780	13,687	11,320	11,702	9,848	8,964	8,553	12,056	15,516	10,248	6,267
Difference	58	-185	216	86	236	75	388	-440	-624	584	268	1,171
Percent Difference	1.0%	-2.3%	1.6%	0.8%	2.1%	0.8%	4.5%	-4.9%	-4.9%	3.9%	2.7%	23.0%
Dry (24.4%)												
WSIP 2070 Without Project	6,681	7,031	13,340	6,905	10,048	9,398	8,301	9,352	12,656	13,474	10,095	4,997
WSIP 2070 With Project	5,912	6,901	13,507	7,027	10,288	9,611	8,229	9,071	12,102	13,686	9,976	6,156
Difference	-769	-130	167	123	240	213	-72	-282	-554	212	-119	1,159
Percent Difference	-11.5%	-1.8%	1.3%	1.8%	2.4%	2.3%	-0.9%	-3.0%	-4.4%	1.6%	-1.2%	23.2%
Critical (14.6%)												
WSIP 2070 Without Project	6,040	5,124	6,974	6,811	6,831	6,594	8,198	8,461	11,850	11,658	9,683	5,299
WSIP 2070 With Project	5,170	5,310	6,989	6,787	7,244	6,698	7,486	7,678	11,517	11,887	8,904	5,681
Difference	-870	186	14	-24	413	104	-711	-784	-333	229	-779	381
Percent Difference	-14.4%	3.6%	0.2%	-0.4%	6.0%	1.6%	-8.7%	-9.3%	-2.8%	2.0%	-8.0%	7.2%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

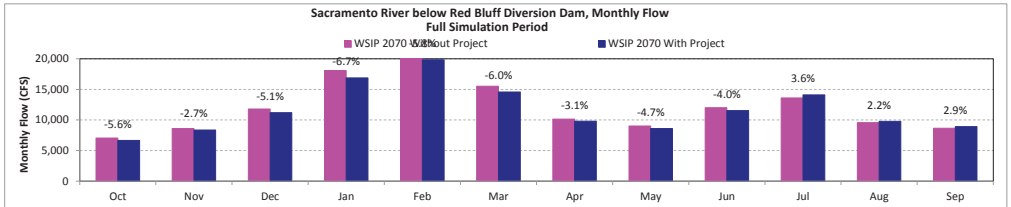
Table SW-12-a
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Long-term Average and Average by Water Year Type

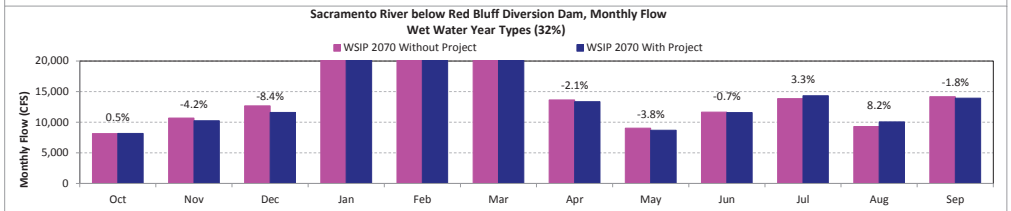
Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	7,062	8,601	11,801	18,092	21,057	15,508	10,132	9,022	12,016	13,609	9,564	8,660
WSIP 2070 With Project	6,666	8,368	11,203	16,880	19,838	14,571	9,815	8,597	11,535	14,105	9,778	8,908
Difference	-396	-233	-598	-1,213	-1,219	-937	-317	-425	-481	496	213	248
Percent Difference[3]	-5.6%	-2.7%	-5.1%	-6.7%	-5.8%	-6.0%	-3.1%	-4.7%	-4.0%	3.6%	2.2%	2.9%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	8,142	10,699	12,680	34,512	37,397	26,757	13,652	9,047	11,654	13,869	9,293	14,182
WSIP 2070 With Project	8,182	10,253	11,615	32,980	36,377	25,881	13,370	8,699	11,571	14,325	10,053	13,924
Difference	40	-446	-1,065	-1,532	-1,020	-876	-282	-348	-83	456	760	-258
Percent Difference	0.5%	-4.2%	-8.4%	-4.4%	-2.7%	-3.3%	-2.1%	-3.8%	-0.7%	3.3%	8.2%	-1.8%
Above Normal (13.4%)												
WSIP 2070 Without Project	7,900	10,986	9,937	19,672	29,001	16,353	9,321	9,352	12,172	14,717	9,421	10,312
WSIP 2070 With Project	7,276	10,854	9,700	18,257	27,084	14,811	8,704	9,044	10,945	16,131	9,951	8,853
Difference	-624	-133	-237	-1,415	-1,916	-1,541	-617	-308	-1,227	1,414	530	-1,459
Percent Difference	-7.9%	-1.2%	-2.4%	-7.2%	-6.6%	-9.4%	-6.6%	-3.3%	-10.1%	9.6%	5.6%	-14.1%
Below Normal (15.9%)												
WSIP 2070 Without Project	5,884	7,987	13,559	11,371	11,554	9,814	8,503	8,889	12,316	14,610	9,727	5,047
WSIP 2070 With Project	5,957	7,796	13,449	9,787	10,293	8,614	8,523	8,389	11,649	15,214	10,007	6,226
Difference	73	-191	-110	-1,584	-1,261	-1,200	21	-500	-667	605	280	1,180
Percent Difference	1.2%	-2.4%	-0.8%	-13.9%	-10.9%	-12.2%	0.2%	-5.6%	-5.4%	4.1%	2.9%	23.4%
Dry (24.4%)												
WSIP 2070 Without Project	6,612	7,046	13,416	6,982	10,135	9,458	8,239	9,275	12,394	13,260	9,926	4,959
WSIP 2070 With Project	5,751	6,757	13,053	6,182	8,680	8,487	8,063	8,968	11,840	13,411	9,812	6,118
Difference	-861	-289	-363	-800	-1,455	-971	-176	-306	-554	151	-114	1,159
Percent Difference	-13.0%	-4.1%	-2.7%	-11.5%	-14.4%	-10.3%	-2.1%	-3.3%	-4.5%	1.1%	-1.1%	23.4%
Critical (14.6%)												
WSIP 2070 Without Project	5,982	5,123	7,010	6,867	6,873	6,614	8,170	8,391	11,701	11,531	9,505	5,266
WSIP 2070 With Project	5,118	5,307	6,172	6,246	6,298	6,442	7,453	7,572	11,369	11,725	8,716	5,647
Difference	-864	185	-838	-622	-574	-172	-717	-819	-333	194	-789	382
Percent Difference	-14.4%	3.6%	-12.0%	-9.1%	-8.4%	-2.6%	-8.8%	-9.8%	-2.8%	1.7%	-8.3%	7.2%

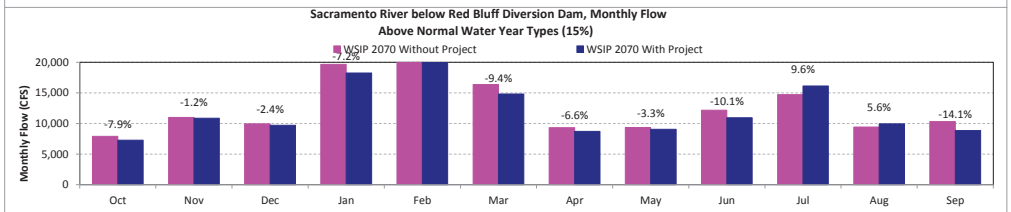
1 Based on the 82-year simulation period

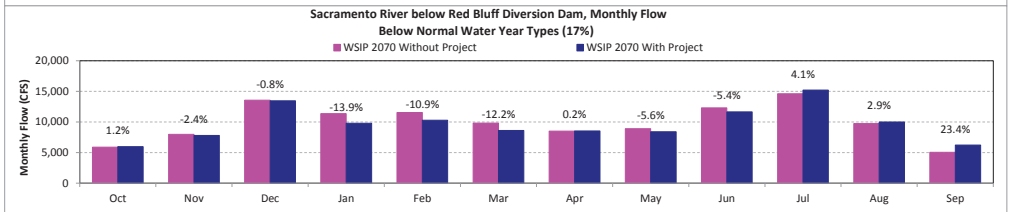
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

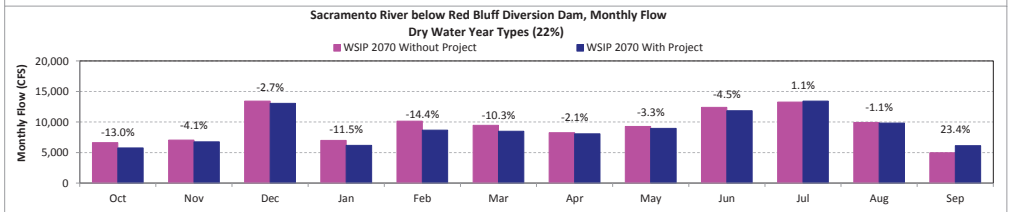
3 Relative difference of the monthly average











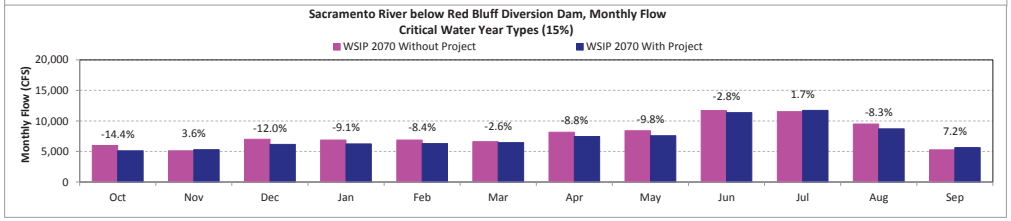


Table SW-13-a
Sacramento River below Hamilton City, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	6,475	8,824	13,736	21,151	24,329	17,878	9,280	7,403	9,259	10,883	7,547	8,201
WSIP 2070 With Project	6,203	8,571	12,718	19,774	22,860	16,337	8,884	7,265	9,110	11,736	7,711	8,492
Difference	-272	-253	-1,018	-1,377	-1,470	-1,542	-396	-138	-150	853	164	290
Percent Difference[3]	-4.2%	-2.9%	-7.4%	-6.5%	-6.0%	-8.6%	-4.3%	-1.9%	-1.6%	7.8%	2.2%	3.5%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	7,537	10,948	14,900	40,045	42,492	30,311	13,816	7,768	8,963	11,123	7,265	13,765
WSIP 2070 With Project	7,641	10,420	13,273	38,326	41,237	28,879	13,217	7,598	8,869	11,547	7,704	13,566
Difference	104	-527	-1,627	-1,719	-1,255	-1,432	-599	-170	-94	424	440	-198
Percent Difference	1.4%	-4.8%	-10.9%	-4.3%	-3.0%	-4.7%	-4.3%	-2.2%	-1.0%	3.8%	6.0%	-1.4%
Above Normal (13.4%)												
WSIP 2070 Without Project	7,279	11,314	11,381	23,701	33,362	19,000	8,775	7,837	9,444	11,905	7,371	9,804
WSIP 2070 With Project	6,799	11,110	10,754	22,043	31,129	16,737	7,927	7,644	8,780	14,129	7,802	8,443
Difference	-480	-204	-627	-1,658	-2,233	-2,263	-848	-193	-664	2,224	431	-1,362
Percent Difference	-6.6%	-1.8%	-5.5%	-7.0%	-6.7%	-11.9%	-9.7%	-2.5%	-7.0%	18.7%	5.8%	-13.9%
Below Normal (15.9%)												
WSIP 2070 Without Project	5,331	8,301	15,617	13,503	14,023	11,778	7,408	7,105	9,465	11,794	7,612	4,576
WSIP 2070 With Project	5,580	8,177	15,294	11,686	12,523	9,960	7,170	6,790	9,462	13,096	7,843	5,787
Difference	249	-124	-323	-1,818	-1,500	-1,818	-238	-315	-3	1,302	231	1,211
Percent Difference	4.7%	-1.5%	-2.1%	-13.5%	-10.7%	-15.4%	-3.2%	-4.4%	0.0%	11.0%	3.0%	26.5%
Dry (24.4%)												
WSIP 2070 Without Project	6,053	7,297	15,602	8,186	12,229	11,236	6,742	7,315	9,482	10,419	7,787	4,481
WSIP 2070 With Project	5,321	7,014	14,889	7,285	10,487	9,389	6,615	7,418	9,358	10,948	7,770	5,644
Difference	-732	-283	-713	-901	-1,741	-1,848	-127	103	-124	529	-17	1,163
Percent Difference	-12.1%	-3.9%	-4.6%	-11.0%	-14.2%	-16.4%	-1.9%	1.4%	-1.3%	5.1%	-0.2%	26.0%
Critical (14.6%)												
WSIP 2070 Without Project	5,380	5,052	8,223	7,767	8,028	7,591	6,175	6,683	9,139	9,214	7,849	4,807
WSIP 2070 With Project	4,685	5,260	6,908	7,072	7,279	7,281	6,013	6,458	9,138	9,792	7,402	5,219
Difference	-695	208	-1,315	-694	-750	-310	-162	-225	-1	578	-447	412
Percent Difference	-12.9%	4.1%	-16.0%	-8.9%	-9.3%	-4.1%	-2.6%	-3.4%	0.0%	6.3%	-5.7%	8.6%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-14-a
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	6,139	8,782	15,625	24,973	28,840	20,968	10,708	7,072	8,438	9,687	6,768	8,396
WSIP 2070 With Project	6,466	8,825	14,292	22,815	26,739	19,079	10,330	6,976	9,185	11,358	7,511	9,448
Difference	327	43	-1,333	-2,158	-2,101	-1,889	-378	-96	747	1,671	744	1,052
Percent Difference[3]	5.3%	0.5%	-8.5%	-8.6%	-7.3%	-9.0%	-3.5%	-1.4%	8.8%	17.2%	11.0%	12.5%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	7,239	10,786	17,207	46,509	48,447	34,679	17,342	7,987	8,751	10,011	6,462	14,142
WSIP 2070 With Project	7,626	10,295	15,066	44,014	46,607	32,899	16,710	7,815	9,564	10,996	7,051	14,430
Difference	387	-491	-2,140	-2,495	-1,840	-1,780	-632	-172	813	986	588	288
Percent Difference	5.4%	-4.6%	-12.4%	-5.4%	-3.8%	-5.1%	-3.6%	-2.2%	9.3%	9.8%	9.1%	2.0%
Above Normal (13.4%)												
WSIP 2070 Without Project	6,947	11,357	12,918	29,843	41,836	23,096	9,738	7,904	8,611	10,572	6,656	10,002
WSIP 2070 With Project	7,285	11,241	11,802	26,947	38,762	20,374	8,893	7,707	9,220	14,303	7,413	9,984
Difference	338	-116	-1,115	-2,896	-3,074	-2,722	-845	-197	608	3,731	757	-18
Percent Difference	4.9%	-1.0%	-8.6%	-9.7%	-7.3%	-11.8%	-8.7%	-2.5%	7.1%	35.3%	11.4%	-0.2%
Below Normal (15.9%)												
WSIP 2070 Without Project	5,095	8,709	18,047	16,675	16,937	14,264	8,603	6,921	8,373	10,512	6,813	4,626
WSIP 2070 With Project	5,894	8,968	17,506	13,700	14,771	12,086	8,357	6,597	9,484	13,037	7,740	6,625
Difference	800	259	-540	-2,975	-2,166	-2,178	-246	-324	1,112	2,525	927	2,000
Percent Difference	15.7%	3.0%	-3.0%	-17.8%	-12.8%	-15.3%	-2.9%	-4.7%	13.3%	24.0%	13.6%	43.2%
Dry (24.4%)												
WSIP 2070 Without Project	5,699	7,218	17,429	9,278	15,721	13,507	6,845	6,323	8,279	9,217	6,840	4,600
WSIP 2070 With Project	5,957	7,556	16,641	7,815	13,093	11,248	6,727	6,417	8,904	10,534	7,907	6,554
Difference	259	338	-788	-1,463	-2,628	-2,259	-119	94	625	1,317	1,067	1,954
Percent Difference	4.5%	4.7%	-4.5%	-15.8%	-16.7%	-16.7%	-1.7%	1.5%	7.5%	14.3%	15.6%	42.5%
Critical (14.6%)												
WSIP 2070 Without Project	4,882	4,763	9,049	8,998	9,203	9,009	5,943	5,743	7,937	8,066	7,363	4,884
WSIP 2070 With Project	4,667	5,384	7,501	7,974	8,378	8,573	5,966	5,830	8,476	8,997	7,693	6,042
Difference	-215	622	-1,548	-1,024	-824	-436	23	88	538	931	330	1,158
Percent Difference	-4.4%	13.1%	-17.1%	-11.4%	-9.0%	-4.8%	0.4%	1.5%	6.8%	11.5%	4.5%	23.7%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

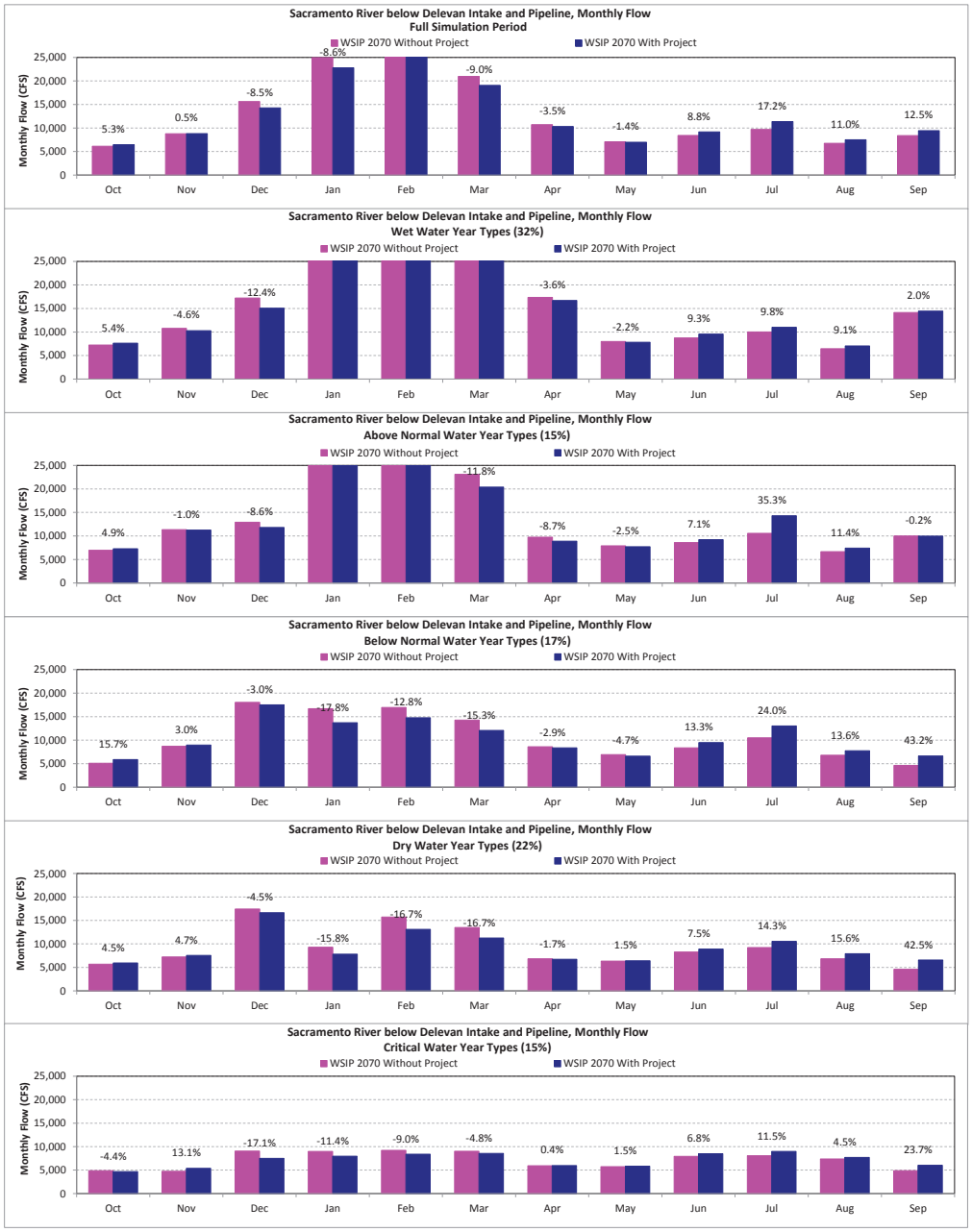


Table SW-15-a
Sacramento River at Wilken Slough, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	5,879	8,433	11,687	14,608	15,935	14,474	7,961	5,748	6,423	7,581	5,188	8,092
WSIP 2070 With Project	6,218	8,557	11,006	13,486	14,969	13,318	7,696	5,666	7,167	9,225	5,891	9,148
Difference	339	124	-681	-1,122	-967	-1,155	-266	-81	745	1,644	703	1,055
Percent Difference[3]	5.8%	1.5%	-5.8%	-7.7%	-6.1%	-8.0%	-3.3%	-1.4%	11.6%	21.7%	13.5%	13.0%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	6,846	10,620	12,708	20,489	20,534	18,484	11,967	6,746	6,790	7,925	4,884	13,865
WSIP 2070 With Project	7,251	10,262	11,642	19,882	20,240	18,096	11,620	6,603	7,610	8,890	5,461	14,157
Difference	406	-359	-1,067	-607	-294	-387	-347	-143	820	965	577	292
Percent Difference	5.9%	-3.4%	-8.4%	-3.0%	-1.4%	-2.1%	-2.9%	-2.1%	12.1%	12.2%	11.8%	2.1%
Above Normal (13.4%)												
WSIP 2070 Without Project	6,667	10,631	10,159	17,618	19,846	16,705	8,418	6,474	6,622	8,446	5,060	9,695
WSIP 2070 With Project	7,040	10,684	9,532	16,615	19,240	14,957	7,649	6,406	7,222	12,156	5,736	9,697
Difference	373	53	-627	-1,003	-606	-1,748	-769	-69	600	3,710	675	3
Percent Difference	5.6%	0.5%	-6.2%	-5.7%	-3.1%	-10.5%	-9.1%	-1.1%	9.1%	43.9%	13.3%	0.0%
Below Normal (15.9%)												
WSIP 2070 Without Project	4,971	8,324	13,237	14,209	14,421	12,979	6,847	5,566	6,325	8,370	5,185	4,352
WSIP 2070 With Project	5,735	8,657	13,631	12,071	12,837	10,913	6,701	5,218	7,436	10,852	6,061	6,355
Difference	764	333	393	-2,138	-1,584	-2,066	-146	-348	1,111	2,482	876	2,003
Percent Difference	15.4%	4.0%	3.0%	-15.0%	-11.0%	-15.9%	-2.1%	-6.3%	17.6%	29.7%	16.9%	46.0%
Dry (24.4%)												
WSIP 2070 Without Project	5,484	6,723	11,810	9,185	12,997	12,450	5,422	4,993	6,218	7,054	5,233	4,299
WSIP 2070 With Project	5,784	7,058	11,425	7,771	11,155	10,737	5,322	5,069	6,830	8,350	6,267	6,240
Difference	300	335	-385	-1,415	-1,843	-1,713	-100	76	612	1,295	1,035	1,942
Percent Difference	5.5%	5.0%	-3.3%	-15.4%	-14.2%	-13.8%	-1.9%	1.5%	9.8%	18.4%	19.8%	45.2%
Critical (14.6%)												
WSIP 2070 Without Project	4,704	4,649	8,991	8,575	8,926	8,732	4,303	4,373	5,890	6,064	5,893	4,491
WSIP 2070 With Project	4,469	5,306	7,436	7,815	8,299	8,371	4,270	4,440	6,428	6,957	6,152	5,662
Difference	-235	657	-1,555	-760	-627	-361	-33	67	538	893	259	1,171
Percent Difference	-5.0%	14.1%	-17.3%	-8.9%	-7.0%	-4.1%	-0.8%	1.5%	9.1%	14.7%	4.4%	26.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

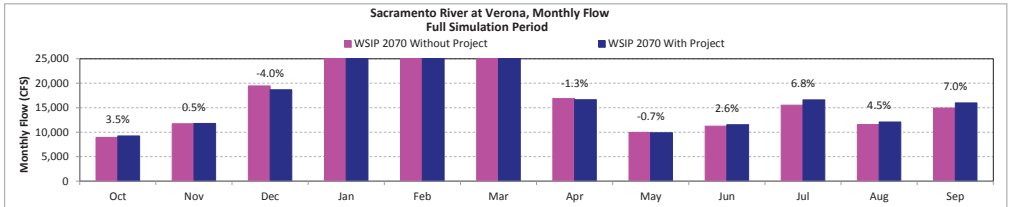
Table SW-16-a
Sacramento River at Verona, Monthly Flow
Long-term Average and Average by Water Year Type

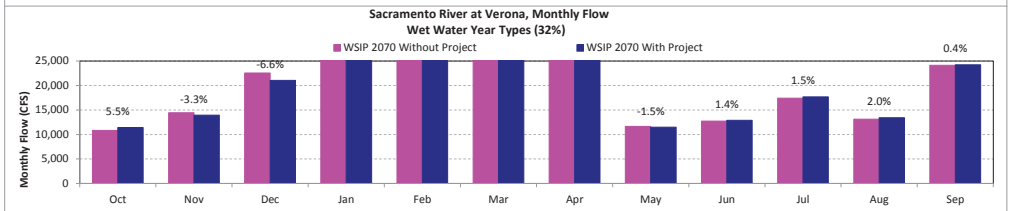
Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	8,936	11,735	19,468	29,963	35,884	30,626	16,864	9,948	11,234	15,543	11,560	14,939
WSIP 2070 With Project	9,245	11,796	18,683	28,540	34,767	29,421	16,643	9,882	11,521	16,600	12,083	15,985
Difference	309	60	-785	-1,422	-1,117	-1,205	-220	-66	287	1,057	524	1,046
Percent Difference[3]	3.5%	0.5%	-4.0%	-4.7%	-3.1%	-3.9%	-1.3%	-0.7%	2.6%	6.8%	4.5%	7.0%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	10,840	14,429	22,543	49,795	54,978	46,227	27,438	11,665	12,729	17,422	13,144	24,130
WSIP 2070 With Project	11,440	13,951	21,045	48,803	54,434	45,540	27,205	11,491	12,907	17,681	13,410	24,218
Difference	600	-477	-1,499	-993	-544	-688	-233	-175	178	259	266	88
Percent Difference	5.5%	-3.3%	-6.6%	-2.0%	-1.0%	-1.5%	-0.8%	-1.5%	1.4%	1.5%	2.0%	0.4%
Above Normal (13.4%)												
WSIP 2070 Without Project	10,923	14,685	16,804	36,450	49,872	38,788	16,129	11,281	12,426	17,748	13,924	19,234
WSIP 2070 With Project	11,395	14,675	16,281	34,834	48,785	37,276	15,518	11,095	12,296	19,824	14,160	18,938
Difference	472	-10	-522	-1,616	-1,088	-1,513	-611	-185	-130	2,075	236	-296
Percent Difference	4.3%	-0.1%	-3.1%	-4.4%	-2.2%	-3.9%	-3.8%	-1.6%	-1.0%	11.7%	1.7%	-1.5%
Below Normal (15.9%)												
WSIP 2070 Without Project	7,539	12,168	23,103	23,304	25,055	24,153	13,347	10,025	11,118	17,746	12,561	9,696
WSIP 2070 With Project	8,207	12,489	23,516	20,760	23,892	22,180	13,221	9,766	11,520	18,964	13,016	11,537
Difference	667	320	412	-2,545	-1,162	-1,973	-126	-258	401	1,218	455	1,841
Percent Difference	8.9%	2.6%	1.8%	-10.9%	-4.6%	-8.2%	-0.9%	-2.6%	3.6%	6.9%	3.6%	19.0%
Dry (24.4%)												
WSIP 2070 Without Project	8,000	9,728	19,213	14,948	22,869	20,795	10,505	8,742	10,281	13,719	9,228	8,872
WSIP 2070 With Project	8,012	10,050	18,816	13,584	20,731	19,047	10,357	9,047	10,698	15,130	10,554	11,218
Difference	12	323	-397	-1,365	-2,137	-1,748	-147	304	417	1,411	1,326	2,346
Percent Difference	0.2%	3.3%	-2.1%	-9.1%	-9.3%	-8.4%	-1.4%	3.5%	4.1%	10.3%	14.4%	26.4%
Critical (14.6%)												
WSIP 2070 Without Project	6,064	6,073	11,734	13,282	15,116	12,740	9,034	6,930	8,616	10,099	8,760	6,881
WSIP 2070 With Project	5,700	6,644	10,310	12,226	14,481	12,431	8,973	6,799	9,178	11,190	8,844	8,204
Difference	-364	571	-1,424	-1,056	-635	-309	-60	-131	561	1,090	83	1,322
Percent Difference	-6.0%	9.4%	-12.1%	-8.0%	-4.2%	-2.4%	-0.7%	-1.9%	6.5%	10.8%	1.0%	19.2%

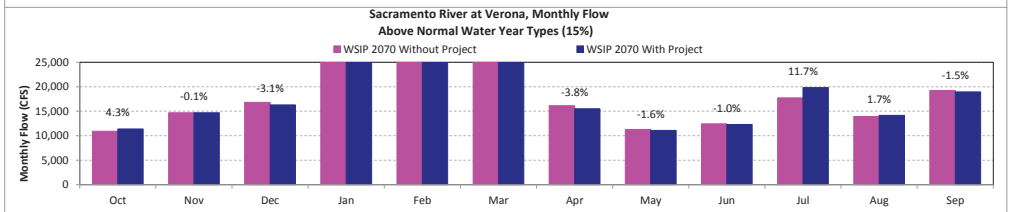
1 Based on the 82-year simulation period

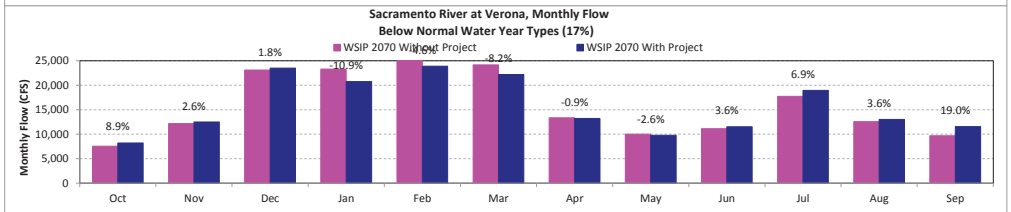
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

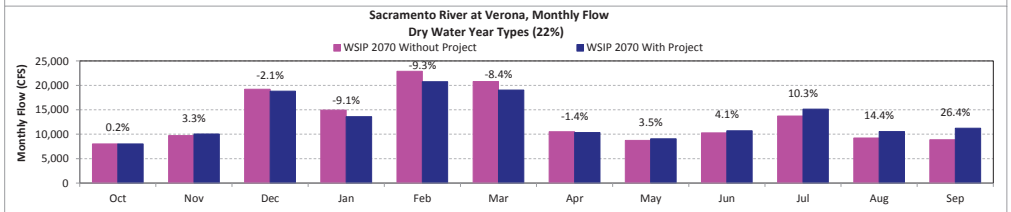
3 Relative difference of the monthly average











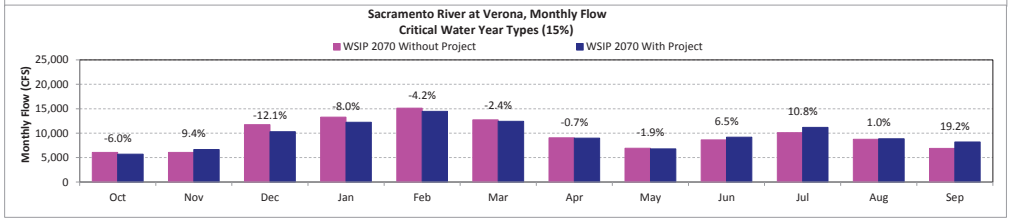


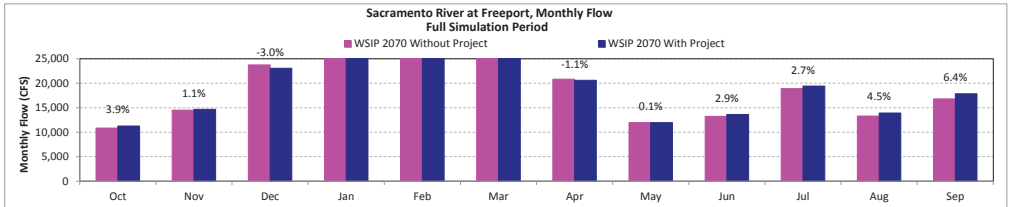
Table SW-17-a
Sacramento River at Freeport, Monthly Flow
Long-term Average and Average by Water Year Type

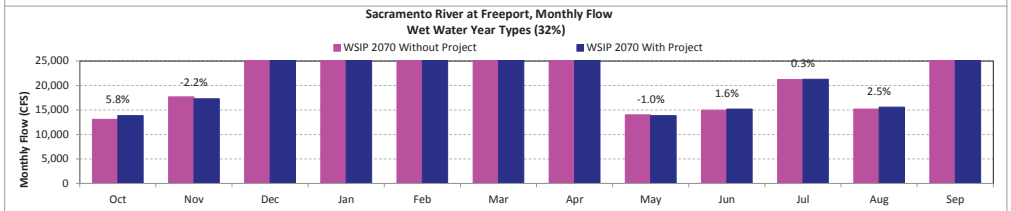
Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	10,851	14,509	23,754	35,618	43,165	36,153	20,823	11,953	13,242	18,903	13,306	16,798
WSIP 2070 With Project	11,271	14,663	23,051	34,304	42,108	34,977	20,591	11,971	13,621	19,414	13,909	17,866
Difference	420	154	-703	-1,314	-1,057	-1,176	-232	18	378	511	603	1,067
Percent Difference[3]	3.9%	1.1%	-3.0%	-3.7%	-2.4%	-3.3%	-1.1%	0.1%	2.9%	2.7%	4.5%	6.4%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	13,096	17,676	27,408	58,309	64,949	54,398	33,632	13,999	14,957	21,217	15,201	27,226
WSIP 2070 With Project	13,850	17,290	25,915	57,473	64,483	53,813	33,421	13,859	15,191	21,285	15,588	27,164
Difference	754	-386	-1,493	-836	-466	-585	-211	-140	234	68	387	-63
Percent Difference	5.8%	-2.2%	-5.4%	-1.4%	-0.7%	-1.1%	-0.6%	-1.0%	1.6%	0.3%	2.5%	-0.2%
Above Normal (13.4%)												
WSIP 2070 Without Project	12,992	17,385	21,102	44,953	60,476	44,687	20,012	13,429	14,208	22,490	15,487	20,904
WSIP 2070 With Project	13,544	17,511	20,732	43,374	59,608	43,186	19,405	13,315	14,300	23,268	16,054	20,666
Difference	552	126	-370	-1,579	-868	-1,502	-606	-115	92	778	567	-238
Percent Difference	4.3%	0.7%	-1.8%	-3.5%	-1.4%	-3.4%	-3.0%	-0.9%	0.6%	3.5%	3.7%	-1.1%
Below Normal (15.9%)												
WSIP 2070 Without Project	9,419	15,895	28,000	27,999	31,304	29,983	17,160	11,956	13,252	21,520	14,477	11,303
WSIP 2070 With Project	10,208	16,383	28,571	25,552	30,235	28,023	17,047	11,795	13,671	21,891	15,036	13,288
Difference	788	489	571	-2,447	-1,069	-1,960	-113	-160	420	371	559	1,986
Percent Difference	8.4%	3.1%	2.0%	-8.7%	-3.4%	-6.5%	-0.7%	-1.3%	3.2%	1.7%	3.9%	17.6%
Dry (24.4%)												
WSIP 2070 Without Project	9,899	12,195	23,668	18,133	28,551	24,837	13,053	10,783	12,370	16,454	10,893	10,082
WSIP 2070 With Project	10,035	12,605	23,427	16,857	26,363	23,065	12,717	11,194	12,948	17,338	12,173	12,552
Difference	136	410	-241	-1,276	-2,188	-1,771	-336	411	578	884	1,281	2,470
Percent Difference	1.4%	3.4%	-1.0%	-7.0%	-7.7%	-7.1%	-2.6%	3.8%	4.7%	5.4%	11.8%	24.5%
Critical (14.6%)												
WSIP 2070 Without Project	7,163	7,369	13,812	15,294	17,307	14,344	10,734	8,114	10,084	11,845	9,954	7,586
WSIP 2070 With Project	6,812	7,929	12,367	14,351	16,694	14,027	10,843	8,131	10,660	12,603	9,979	8,967
Difference	-351	560	-1,445	-943	-613	-317	110	18	576	758	24	1,381
Percent Difference	-4.9%	7.6%	-10.5%	-6.2%	-3.5%	-2.2%	1.0%	0.2%	5.7%	6.4%	0.2%	18.2%

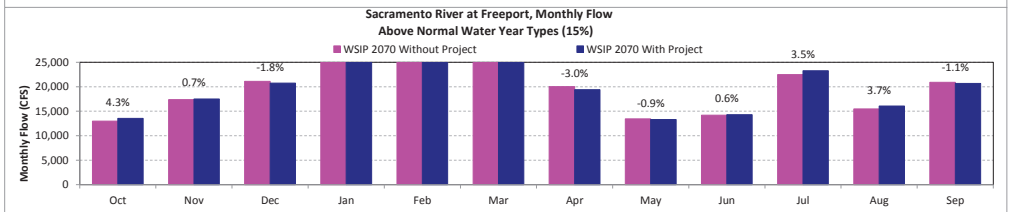
1 Based on the 82-year simulation period

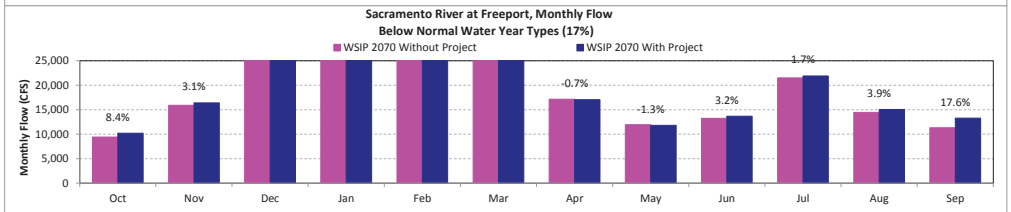
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

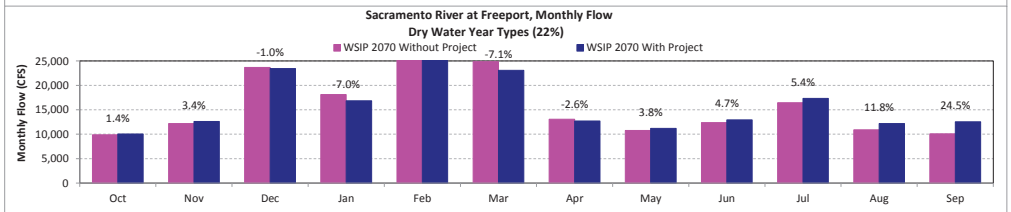
3 Relative difference of the monthly average











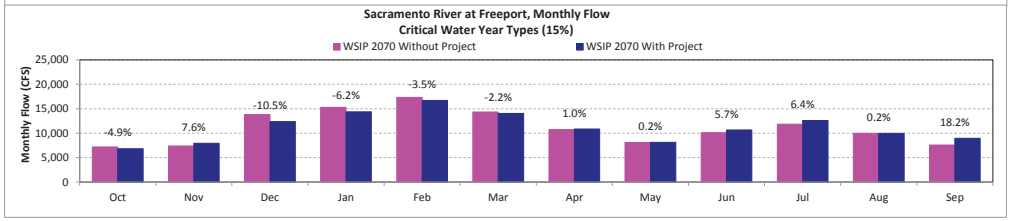


Table SW-18-a
Lake Oroville, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	1,205	1,248	1,548	1,946	2,273	2,499	2,660	2,620	2,374	1,871	1,549	1,287
WSIP 2070 With Project	1,293	1,329	1,610	1,992	2,314	2,534	2,694	2,651	2,431	1,959	1,647	1,383
Difference	88	80	62	46	41	35	34	31	57	88	98	96
Percent Difference[3]	7.3%	6.4%	4.0%	2.4%	1.8%	1.4%	1.3%	1.2%	2.4%	4.7%	6.3%	7.4%
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	1,404	1,372	1,691	2,719	2,895	2,942	3,226	3,258	3,001	2,448	2,039	1,585
WSIP 2070 With Project	1,485	1,448	1,730	2,719	2,891	2,942	3,226	3,258	3,039	2,529	2,142	1,695
Difference	81	76	39	1	-4	0	0	0	38	81	103	110
Percent Difference	5.8%	5.6%	2.3%	0.0%	-0.1%	0.0%	0.0%	0.0%	1.3%	3.3%	5.0%	6.9%
Above Normal (13.4%)												
WSIP 2070 Without Project	1,276	1,294	1,388	2,185	2,736	2,962	3,196	3,166	2,898	2,298	1,832	1,392
WSIP 2070 With Project	1,418	1,425	1,511	2,262	2,780	2,962	3,196	3,165	2,939	2,414	1,975	1,549
Difference	142	131	123	77	44	0	0	-1	42	116	143	157
Percent Difference	11.1%	10.1%	8.9%	3.5%	1.6%	0.0%	0.0%	0.0%	1.4%	5.1%	7.8%	11.3%
Below Normal (15.9%)												
WSIP 2070 Without Project	1,113	1,192	1,607	1,636	2,046	2,482	2,656	2,609	2,334	1,732	1,347	1,184
WSIP 2070 With Project	1,268	1,322	1,702	1,693	2,102	2,530	2,698	2,644	2,410	1,872	1,508	1,353
Difference	155	130	95	57	56	47	42	35	76	139	161	170
Percent Difference	13.9%	10.9%	5.9%	3.5%	2.7%	1.9%	1.6%	1.3%	3.3%	8.0%	12.0%	14.3%
Dry (24.4%)												
WSIP 2070 Without Project	1,165	1,283	1,620	1,430	1,859	2,216	2,274	2,167	1,913	1,457	1,253	1,140
WSIP 2070 With Project	1,189	1,308	1,646	1,485	1,913	2,268	2,327	2,206	1,962	1,507	1,283	1,147
Difference	25	24	26	55	55	52	54	39	49	50	29	7
Percent Difference	2.1%	1.9%	1.6%	3.8%	2.9%	2.3%	2.4%	1.8%	2.5%	3.4%	2.3%	0.6%
Critical (14.6%)												
WSIP 2070 Without Project	875	941	1,203	1,247	1,435	1,607	1,588	1,507	1,346	1,073	942	903
WSIP 2070 With Project	963	1,022	1,283	1,339	1,533	1,708	1,689	1,618	1,451	1,158	1,031	979
Difference	87	82	80	92	98	101	101	111	106	86	89	76
Percent Difference	10.0%	8.7%	6.7%	7.4%	6.8%	6.3%	6.4%	7.4%	7.8%	8.0%	9.5%	8.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-19-a
Lake Oroville, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	689	694	726	767	800	821	833	829	808	763	729	699
WSIP 2070 With Project	700	704	733	773	804	825	836	832	814	772	740	711
Difference	11	10	7	5	4	4	4	3	6	9	11	12
Percent Difference[3]	1.7%	1.5%	1.0%	0.7%	0.6%	0.4%	0.4%	0.4%	0.7%	1.2%	1.6%	1.7%
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	714	709	741	842	856	859	879	881	863	821	784	735
WSIP 2070 With Project	724	718	745	842	856	859	879	881	866	829	794	747
Difference	9	9	4	0	0	0	0	0	3	7	10	12
Percent Difference	1.3%	1.2%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.9%	1.3%	1.7%
Above Normal (13.4%)												
WSIP 2070 Without Project	700	700	708	793	844	861	877	875	856	811	765	715
WSIP 2070 With Project	717	716	723	802	848	861	877	874	859	821	780	733
Difference	17	16	15	8	4	0	0	0	3	9	15	19
Percent Difference	2.5%	2.3%	2.2%	1.0%	0.4%	0.0%	0.0%	0.0%	0.3%	1.1%	2.0%	2.6%
Below Normal (15.9%)												
WSIP 2070 Without Project	679	689	733	738	783	824	838	835	812	753	709	689
WSIP 2070 With Project	700	706	744	745	788	827	841	838	819	769	728	710
Difference	20	17	11	6	5	3	3	3	7	16	19	21
Percent Difference	3.0%	2.4%	1.5%	0.8%	0.7%	0.4%	0.3%	0.3%	0.9%	2.1%	2.7%	3.1%
Dry (24.4%)												
WSIP 2070 Without Project	683	697	733	718	765	800	804	794	771	722	697	682
WSIP 2070 With Project	686	700	736	724	770	805	809	798	775	727	700	683
Difference	3	3	3	6	6	5	5	3	4	5	3	1
Percent Difference	0.4%	0.4%	0.4%	0.9%	0.7%	0.6%	0.6%	0.4%	0.5%	0.7%	0.5%	0.1%
Critical (14.6%)												
WSIP 2070 Without Project	642	653	689	694	716	735	733	724	704	669	650	645
WSIP 2070 With Project	658	667	700	706	728	748	746	738	719	683	666	659
Difference	16	14	11	13	13	13	13	14	15	14	15	14
Percent Difference	2.5%	2.1%	1.6%	1.8%	1.8%	1.7%	1.8%	1.9%	2.1%	2.1%	2.4%	2.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-20-a
Lake Oroville, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	7,324	7,496	8,660	10,178	11,411	12,244	12,780	12,632	11,766	9,940	8,709	7,667
WSIP 2070 With Project	7,695	7,830	8,912	10,367	11,571	12,377	12,912	12,752	11,977	10,280	9,098	8,063
Difference	370	334	252	189	160	133	132	120	211	340	390	396
Percent Difference[3]	5.1%	4.5%	2.9%	1.9%	1.4%	1.1%	1.0%	0.9%	1.8%	3.4%	4.5%	5.2%
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	8,156	8,006	9,213	13,049	13,661	13,817	14,763	14,871	14,012	12,123	10,639	8,876
WSIP 2070 With Project	8,480	8,309	9,361	13,050	13,649	13,819	14,763	14,871	14,141	12,416	11,023	9,312
Difference	324	303	148	1	-12	1	0	0	128	293	385	436
Percent Difference	4.0%	3.8%	1.6%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.9%	2.4%	3.6%	4.9%
Above Normal (13.4%)												
WSIP 2070 Without Project	7,639	7,696	8,028	11,109	13,119	13,884	14,665	14,564	13,670	11,624	9,895	8,140
WSIP 2070 With Project	8,227	8,236	8,540	11,405	13,271	13,884	14,664	14,559	13,808	12,028	10,440	8,781
Difference	589	540	512	295	151	0	-1	-5	138	403	546	641
Percent Difference	7.7%	7.0%	6.4%	2.7%	1.2%	0.0%	0.0%	0.0%	1.0%	3.5%	5.5%	7.9%
Below Normal (15.9%)												
WSIP 2070 Without Project	6,976	7,298	8,902	9,049	10,633	12,242	12,847	12,687	11,723	9,486	7,956	7,275
WSIP 2070 With Project	7,629	7,841	9,276	9,271	10,839	12,397	12,986	12,807	11,997	10,038	8,614	7,982
Difference	653	543	374	223	206	155	139	120	274	551	659	707
Percent Difference	9.4%	7.4%	4.2%	2.5%	1.9%	1.3%	1.1%	0.9%	2.3%	5.8%	8.3%	9.7%
Dry (24.4%)												
WSIP 2070 Without Project	7,150	7,631	8,929	8,275	9,944	11,284	11,477	11,083	10,153	8,389	7,558	7,083
WSIP 2070 With Project	7,250	7,728	9,035	8,500	10,151	11,473	11,671	11,219	10,322	8,582	7,676	7,108
Difference	99	97	107	224	208	190	194	137	168	193	118	25
Percent Difference	1.4%	1.3%	1.2%	2.7%	2.1%	1.7%	1.7%	1.2%	1.7%	2.3%	1.6%	0.4%
Critical (14.6%)												
WSIP 2070 Without Project	5,901	6,198	7,329	7,498	8,256	8,937	8,855	8,535	7,890	6,744	6,173	6,011
WSIP 2070 With Project	6,317	6,580	7,679	7,900	8,670	9,358	9,280	8,999	8,348	7,142	6,594	6,376
Difference	416	382	350	402	414	421	426	464	458	398	421	365
Percent Difference	7.0%	6.2%	4.8%	5.4%	5.0%	4.7%	4.8%	5.4%	5.8%	5.9%	6.8%	6.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-21-a
Feather River at Thermalito Low Flow Channel, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2070 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2070 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Above Normal (13.4%)												
WSIP 2070 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2070 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Below Normal (15.9%)												
WSIP 2070 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2070 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Dry (24.4%)												
WSIP 2070 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2070 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Critical (14.6%)												
WSIP 2070 Without Project	800	800	800	800	800	800	700	700	700	700	700	773
WSIP 2070 With Project	800	800	800	800	800	800	700	700	700	700	700	773
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

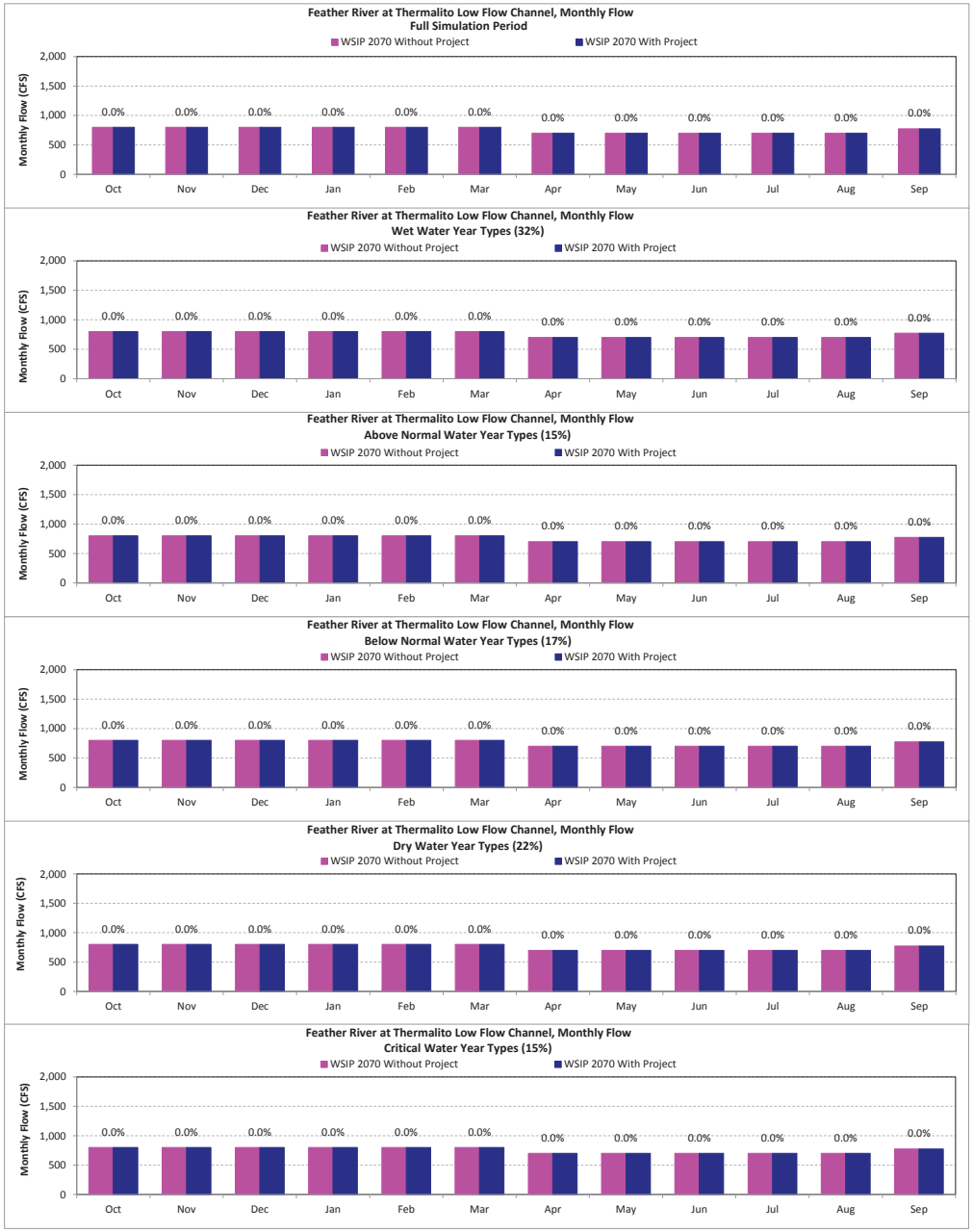


Table SW-22-a
Feather River below Thermalito, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	2,748	1,920	2,859	5,848	9,110	7,995	2,358	1,663	3,107	7,016	4,915	4,815
WSIP 2070 With Project	2,711	1,882	3,096	6,091	9,211	8,094	2,354	1,700	2,642	6,493	4,704	4,811
Difference	-38	-38	237	243	101	99	-4	37	-465	-523	-211	-4
Percent Difference[3]	-1.4%	-2.0%	8.3%	4.2%	1.1%	1.2%	-0.2%	2.3%	-15.0%	-7.5%	-4.3%	-0.1%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	3,778	2,446	3,438	14,244	20,879	17,306	4,153	1,759	3,627	8,066	6,421	8,049
WSIP 2070 With Project	3,964	2,405	3,970	14,701	20,961	17,243	4,149	1,749	2,972	7,352	6,044	7,913
Difference	186	-41	531	458	82	-63	-4	-10	-655	-714	-377	-136
Percent Difference	4.9%	-1.7%	15.5%	3.2%	0.4%	-0.4%	-0.1%	-0.6%	-18.1%	-8.9%	-5.9%	-1.7%
Above Normal (13.4%)												
WSIP 2070 Without Project	3,837	2,336	3,213	3,975	10,866	9,196	1,324	1,652	3,571	8,429	7,279	7,144
WSIP 2070 With Project	3,938	2,368	3,344	4,506	11,442	9,903	1,323	1,655	2,835	7,197	6,826	6,893
Difference	102	32	130	531	576	708	-1	3	-736	-1,232	-453	-251
Percent Difference	2.6%	1.4%	4.0%	13.4%	5.3%	7.7%	-0.1%	0.2%	-20.6%	-14.6%	-6.2%	-3.5%
Below Normal (15.9%)												
WSIP 2070 Without Project	2,123	1,977	2,152	1,715	2,301	1,909	1,827	1,549	3,187	8,357	5,798	3,060
WSIP 2070 With Project	2,037	1,992	2,611	1,919	2,327	2,045	1,912	1,642	2,477	7,287	5,347	2,898
Difference	-86	15	459	204	26	136	85	93	-710	-1,070	-451	-162
Percent Difference	-4.1%	0.8%	21.3%	11.9%	1.1%	7.1%	4.7%	6.0%	-22.3%	-12.8%	-7.8%	-5.3%
Dry (24.4%)												
WSIP 2070 Without Project	1,978	1,452	3,156	1,410	1,848	2,954	1,627	1,748	2,779	6,050	2,841	2,395
WSIP 2070 With Project	1,664	1,385	3,076	1,410	1,853	2,995	1,579	1,969	2,580	6,057	3,061	2,732
Difference	-314	-66	-81	0	5	41	-49	222	-199	7	220	336
Percent Difference	-15.9%	-4.6%	-2.6%	0.0%	0.3%	1.4%	-3.0%	12.7%	-7.1%	0.1%	7.7%	14.0%
Critical (14.6%)												
WSIP 2070 Without Project	1,481	1,117	1,550	1,248	1,479	1,713	1,212	1,446	2,013	3,605	1,983	1,606
WSIP 2070 With Project	1,342	1,012	1,536	1,212	1,430	1,661	1,181	1,250	2,033	3,853	1,896	1,717
Difference	-139	-105	-13	-36	-49	-52	-31	-196	20	249	-87	111
Percent Difference	-9.4%	-9.4%	-0.8%	-2.9%	-3.3%	-3.0%	-2.5%	-13.6%	1.0%	6.9%	-4.4%	6.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

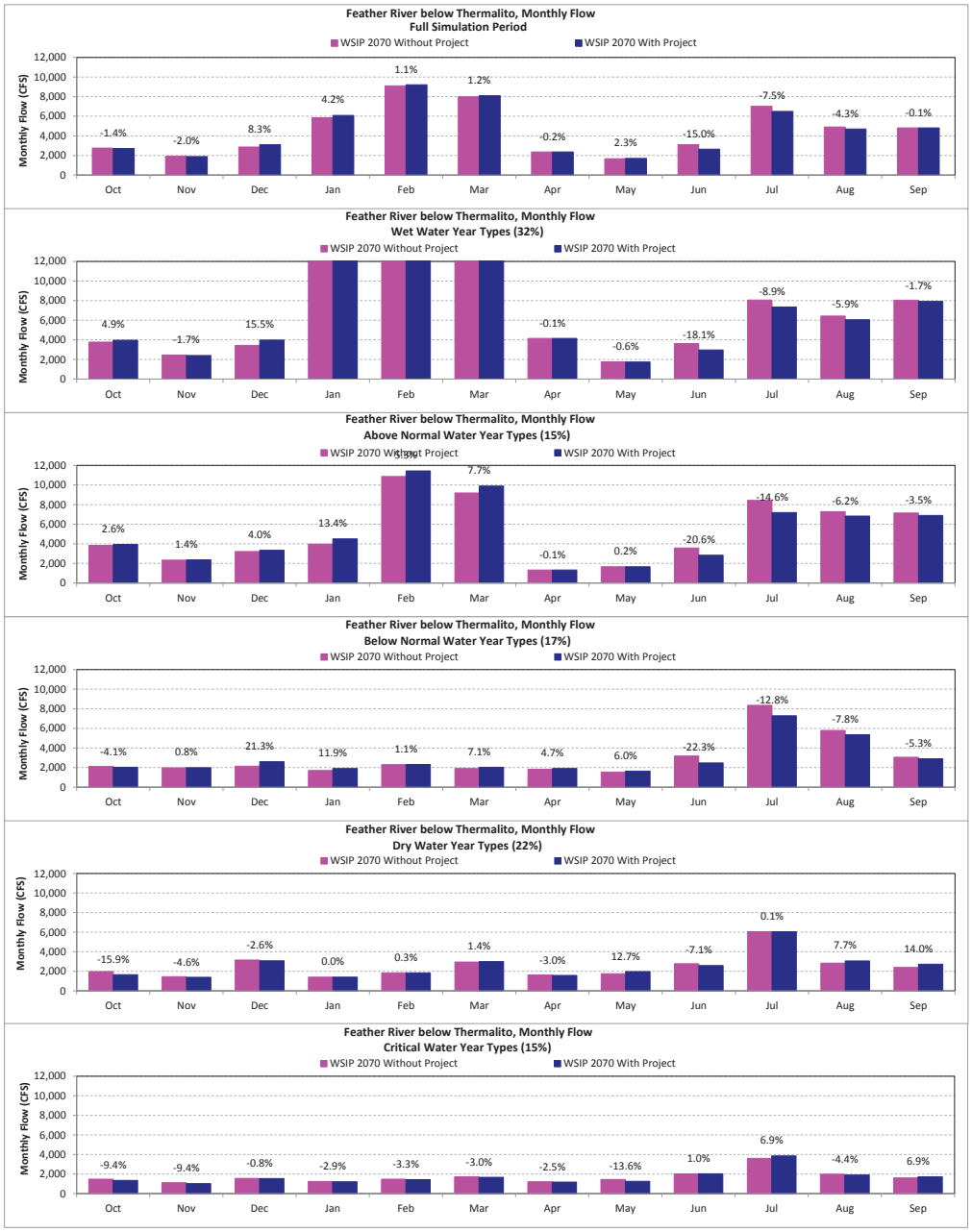


Table SW-23-a
Feather River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	3,181	2,644	5,749	14,807	19,074	16,553	7,233	3,577	4,072	7,230	5,696	6,512
WSIP 2070 With Project	3,147	2,606	5,989	15,034	19,154	16,638	7,231	3,617	3,610	6,732	5,499	6,536
Difference	-34	-38	239	226	80	85	-1	40	-462	-498	-197	24
Percent Difference[3]	-1.1%	-1.4%	4.2%	1.5%	0.4%	0.5%	0.0%	1.1%	-11.3%	-6.9%	-3.5%	0.4%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	4,134	3,206	7,830	32,171	39,076	31,578	13,230	4,256	5,159	8,644	7,485	10,064
WSIP 2070 With Project	4,322	3,165	8,363	32,593	39,139	31,507	13,229	4,249	4,506	7,936	7,120	9,947
Difference	188	-41	533	422	62	-72	-1	-8	-653	-708	-365	-118
Percent Difference	4.5%	-1.3%	6.8%	1.3%	0.2%	-0.2%	0.0%	-0.2%	-12.7%	-8.2%	-4.9%	-1.2%
Above Normal (13.4%)												
WSIP 2070 Without Project	4,279	2,923	4,830	13,777	28,099	20,826	6,359	3,914	5,002	8,651	8,240	9,108
WSIP 2070 With Project	4,382	2,955	4,960	14,306	28,668	21,526	6,357	3,920	4,267	7,422	7,783	8,859
Difference	102	31	130	529	569	700	-2	6	-735	-1,228	-456	-249
Percent Difference	2.4%	1.1%	2.7%	3.8%	2.0%	3.4%	0.0%	0.1%	-14.7%	-14.2%	-5.5%	-2.7%
Below Normal (15.9%)												
WSIP 2070 Without Project	2,606	3,033	6,449	6,577	6,827	9,561	4,952	3,771	4,088	8,688	6,684	4,896
WSIP 2070 With Project	2,522	3,049	6,908	6,766	6,782	9,656	5,039	3,865	3,379	7,640	6,231	4,739
Difference	-84	16	460	189	-46	95	87	94	-709	-1,048	-452	-157
Percent Difference	-3.2%	0.5%	7.1%	2.9%	-0.7%	1.0%	1.8%	2.5%	-17.3%	-12.1%	-6.8%	-3.2%
Dry (24.4%)												
WSIP 2070 Without Project	2,671	2,288	5,485	4,833	5,396	7,337	3,862	3,230	3,287	5,907	3,376	4,163
WSIP 2070 With Project	2,360	2,222	5,409	4,828	5,399	7,362	3,818	3,457	3,092	5,992	3,658	4,563
Difference	-311	-65	-76	-5	3	24	-44	227	-196	85	282	399
Percent Difference	-11.6%	-2.9%	-1.4%	-0.1%	0.1%	0.3%	-1.1%	7.0%	-6.0%	1.4%	8.4%	9.6%
Critical (14.6%)												
WSIP 2070 Without Project	1,578	1,343	1,765	3,670	3,529	3,018	3,128	2,162	2,152	3,491	2,283	2,100
WSIP 2070 With Project	1,456	1,237	1,756	3,622	3,463	2,966	3,101	1,968	2,179	3,737	2,170	2,250
Difference	-122	-106	-8	-48	-66	-52	-27	-194	27	247	-113	150
Percent Difference	-7.7%	-7.9%	-0.5%	-1.3%	-1.9%	-1.7%	-0.9%	-9.0%	1.2%	7.1%	-5.0%	7.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-24-a
Folsom Lake, End of Month Storage
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Storage (TAF)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	342	341	399	453	481	591	681	679	605	448	413	377
WSIP 2070 With Project	355	350	404	455	483	593	684	677	598	473	433	396
Difference	14	9	5	2	2	2	3	-2	-7	26	20	19
Percent Difference[3]	4.0%	2.5%	1.2%	0.5%	0.4%	0.4%	0.5%	-0.3%	-1.2%	5.7%	4.9%	5.2%
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	371	365	441	522	509	624	760	808	727	557	516	425
WSIP 2070 With Project	371	359	435	522	509	624	759	805	720	562	513	431
Difference	-1	-5	-6	0	0	0	-1	-3	-7	4	-3	6
Percent Difference	-0.2%	-1.5%	-1.3%	0.0%	0.0%	0.0%	-0.1%	-0.4%	-0.9%	0.7%	-0.7%	1.5%
Above Normal (13.4%)												
WSIP 2070 Without Project	373	362	382	514	550	644	767	768	709	472	451	420
WSIP 2070 With Project	407	388	400	519	550	644	766	764	691	534	493	459
Difference	34	26	18	5	0	0	0	-4	-17	62	42	39
Percent Difference	9.0%	7.2%	4.6%	1.0%	0.0%	0.0%	0.0%	-0.6%	-2.5%	13.1%	9.2%	9.3%
Below Normal (15.9%)												
WSIP 2070 Without Project	378	371	411	474	509	627	731	719	643	462	427	417
WSIP 2070 With Project	404	387	419	479	510	628	731	713	635	507	465	448
Difference	26	16	8	4	1	1	0	-6	-8	44	38	31
Percent Difference	6.8%	4.3%	1.9%	0.9%	0.3%	0.1%	0.0%	-0.9%	-1.2%	9.6%	8.9%	7.4%
Dry (24.4%)												
WSIP 2070 Without Project	334	345	379	411	479	597	653	601	515	383	350	349
WSIP 2070 With Project	351	358	386	406	478	598	666	607	511	411	380	373
Difference	17	13	8	-5	-1	1	12	6	-4	28	29	24
Percent Difference	5.1%	3.8%	2.0%	-1.2%	-0.2%	0.2%	1.9%	1.0%	-0.7%	7.2%	8.4%	6.7%
Critical (14.6%)												
WSIP 2070 Without Project	221	233	342	296	333	419	421	407	354	279	246	235
WSIP 2070 With Project	229	240	351	311	346	433	425	401	350	295	263	246
Difference	9	7	9	14	14	14	4	-5	-4	16	17	11
Percent Difference	3.9%	3.1%	2.6%	4.9%	4.1%	3.2%	0.9%	-1.3%	-1.2%	5.7%	6.9%	4.8%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

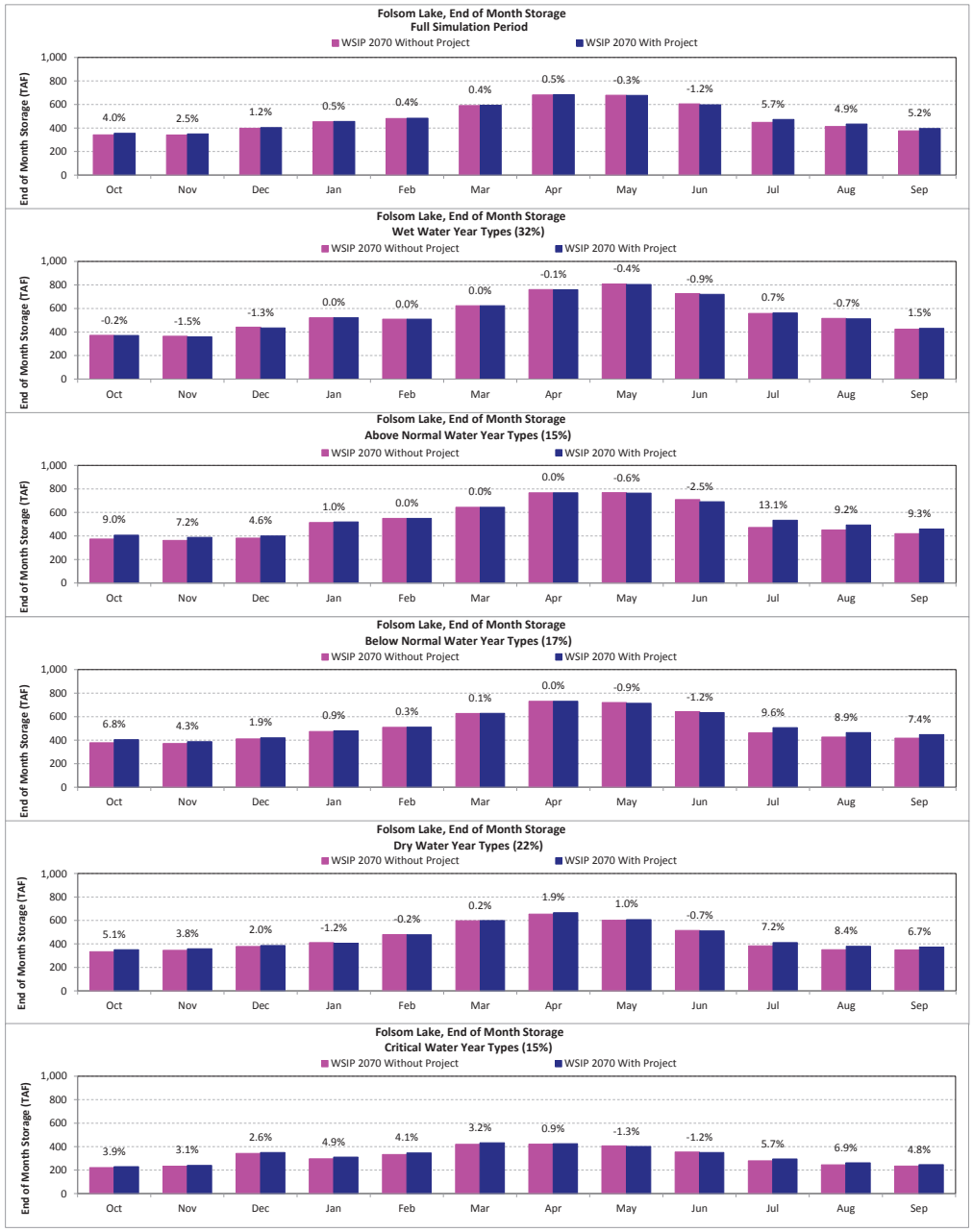


Table SW-25-a
Folsom Lake, End of Month Elevation
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Elevation (FEET)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	391	392	400	408	412	426	435	435	427	406	401	396
WSIP 2070 With Project	394	393	401	408	412	426	436	435	426	410	405	400
Difference	3	2	1	1	0	0	0	0	-1	4	4	4
Percent Difference[3]	0.7%	0.5%	0.3%	0.1%	0.1%	0.1%	0.0%	-0.1%	-0.2%	1.0%	0.9%	0.9%
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	397	396	407	418	416	430	445	449	441	421	417	404
WSIP 2070 With Project	396	395	406	418	416	430	445	449	440	422	417	405
Difference	0	-1	-1	0	0	0	0	0	-1	1	0	1
Percent Difference	0.0%	-0.2%	-0.2%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.2%	0.2%	0.0%	0.4%
Above Normal (13.4%)												
WSIP 2070 Without Project	398	396	399	416	421	433	445	446	440	411	408	405
WSIP 2070 With Project	403	400	402	417	421	433	445	445	438	419	414	410
Difference	5	4	3	1	0	0	0	0	-2	8	6	5
Percent Difference	1.2%	1.0%	0.7%	0.1%	0.0%	0.0%	0.0%	-0.1%	-0.4%	2.0%	1.4%	1.3%
Below Normal (15.9%)												
WSIP 2070 Without Project	398	397	403	411	416	431	442	440	432	409	405	404
WSIP 2070 With Project	403	400	404	412	416	431	442	440	431	416	411	408
Difference	4	3	1	1	0	0	0	-1	-1	7	6	5
Percent Difference	1.0%	0.7%	0.3%	0.2%	0.0%	0.0%	0.0%	-0.2%	-0.2%	1.6%	1.4%	1.1%
Dry (24.4%)												
WSIP 2070 Without Project	390	393	397	402	412	427	433	427	417	398	393	393
WSIP 2070 With Project	394	395	399	401	412	427	435	428	416	403	398	398
Difference	4	3	1	-1	0	0	1	1	0	5	6	5
Percent Difference	1.0%	0.6%	0.4%	-0.1%	0.0%	0.0%	0.3%	0.2%	-0.1%	1.2%	1.4%	1.2%
Critical (14.6%)												
WSIP 2070 Without Project	367	369	391	383	390	403	403	401	393	380	373	370
WSIP 2070 With Project	371	373	393	387	392	404	402	399	392	384	378	374
Difference	3	3	3	4	2	1	-1	-2	-1	3	5	4
Percent Difference	0.9%	0.8%	0.7%	0.9%	0.5%	0.3%	-0.3%	-0.5%	-0.2%	0.9%	1.2%	1.0%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-26-a
Folsom Lake, End of Month Area
Long-term Average and Average by Water Year Type

Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	End of Month Area (ACRE)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	6,031	6,051	6,684	7,218	7,537	8,580	9,213	9,162	8,588	7,129	6,776	6,409
WSIP 2070 With Project	6,219	6,172	6,763	7,260	7,560	8,599	9,228	9,142	8,527	7,426	7,045	6,666
Difference	188	121	79	42	23	19	14	-20	-60	298	269	258
Percent Difference[3]	3.1%	2.0%	1.2%	0.6%	0.3%	0.2%	0.2%	-0.2%	-0.7%	4.2%	4.0%	4.0%
	Water Year Types[2]											
Wet (31.7%)												
WSIP 2070 Without Project	6,390	6,367	7,154	7,964	7,849	8,910	9,858	10,136	9,609	8,223	7,874	6,937
WSIP 2070 With Project	6,384	6,304	7,092	7,964	7,849	8,910	9,850	10,115	9,561	8,295	7,880	7,044
Difference	-6	-63	-63	0	0	0	-7	-21	-48	72	6	108
Percent Difference	-0.1%	-1.0%	-0.9%	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.5%	0.9%	0.1%	1.6%
Above Normal (13.4%)												
WSIP 2070 Without Project	6,514	6,377	6,576	7,874	8,228	9,092	9,918	9,921	9,538	7,469	7,269	6,985
WSIP 2070 With Project	6,879	6,666	6,784	7,919	8,228	9,092	9,916	9,894	9,411	8,083	7,699	7,385
Difference	365	289	208	46	0	0	-2	-27	-127	614	430	400
Percent Difference	5.6%	4.5%	3.2%	0.6%	0.0%	0.0%	0.0%	-0.3%	-1.3%	8.2%	5.9%	5.7%
Below Normal (15.9%)												
WSIP 2070 Without Project	6,537	6,457	6,859	7,463	7,824	8,926	9,670	9,576	9,011	7,322	6,999	6,937
WSIP 2070 With Project	6,838	6,656	6,949	7,516	7,839	8,935	9,660	9,525	8,938	7,807	7,435	7,276
Difference	301	199	90	54	15	9	-11	-51	-73	485	435	339
Percent Difference	4.6%	3.1%	1.3%	0.7%	0.2%	0.1%	-0.1%	-0.5%	-0.8%	6.6%	6.2%	4.9%
Dry (24.4%)												
WSIP 2070 Without Project	5,945	6,105	6,458	6,802	7,530	8,658	9,082	8,650	7,895	6,526	6,136	6,150
WSIP 2070 With Project	6,207	6,285	6,571	6,760	7,521	8,668	9,180	8,708	7,863	6,850	6,526	6,477
Difference	262	180	113	-42	-8	10	98	58	-32	324	390	327
Percent Difference	4.4%	2.9%	1.8%	-0.6%	-0.1%	0.1%	1.1%	0.7%	-0.4%	5.0%	6.4%	5.3%
Critical (14.6%)												
WSIP 2070 Without Project	4,406	4,538	5,953	5,432	5,929	6,890	6,896	6,757	6,199	5,239	4,767	4,597
WSIP 2070 With Project	4,606	4,723	6,149	5,689	6,083	6,993	6,860	6,648	6,140	5,488	5,078	4,844
Difference	200	185	196	257	154	103	-36	-110	-59	250	311	248
Percent Difference	4.5%	4.1%	3.3%	4.7%	2.6%	1.5%	-0.5%	-1.6%	-1.0%	4.8%	6.5%	5.4%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-27-a
American River below Nimbus Reservoir, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	1,427	1,932	3,797	7,300	8,821	5,768	3,255	1,529	1,526	2,961	1,309	1,581
WSIP 2070 With Project	1,515	2,018	3,857	7,345	8,826	5,762	3,241	1,613	1,620	2,417	1,395	1,590
Difference	88	86	59	44	5	-7	-14	84	94	-545	86	9
Percent Difference[3]	6.2%	4.5%	1.6%	0.6%	0.1%	-0.1%	-0.4%	5.5%	6.2%	-18.4%	6.6%	0.6%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	1,767	2,361	4,598	15,767	15,292	10,162	5,538	1,999	1,623	3,316	1,552	2,675
WSIP 2070 With Project	1,882	2,440	4,606	15,761	15,292	10,162	5,553	2,035	1,683	3,128	1,671	2,515
Difference	116	79	8	-6	0	0	15	36	60	-188	119	-160
Percent Difference	6.5%	3.4%	0.2%	0.0%	0.0%	0.0%	0.3%	1.8%	3.7%	-5.7%	7.7%	-6.0%
Above Normal (13.4%)												
WSIP 2070 Without Project	1,633	2,006	3,254	8,121	13,644	6,186	3,053	1,442	1,322	4,433	1,253	1,546
WSIP 2070 With Project	1,693	2,142	3,393	8,100	13,733	6,186	3,057	1,507	1,545	3,133	1,573	1,588
Difference	60	135	139	-21	89	0	4	66	223	-1,301	320	42
Percent Difference	3.7%	6.7%	4.3%	-0.3%	0.7%	0.0%	0.1%	4.6%	16.8%	-29.3%	25.5%	2.7%
Below Normal (15.9%)												
WSIP 2070 Without Project	1,407	2,618	3,528	3,269	5,501	4,896	3,027	1,424	1,558	3,328	1,406	1,181
WSIP 2070 With Project	1,488	2,788	3,661	3,351	5,555	4,907	3,039	1,528	1,578	2,461	1,504	1,302
Difference	81	170	133	82	54	11	11	103	20	-867	98	120
Percent Difference	5.8%	6.5%	3.8%	2.5%	1.0%	0.2%	0.4%	7.3%	1.3%	-26.1%	7.0%	10.2%
Dry (24.4%)												
WSIP 2070 Without Project	1,255	1,519	4,970	2,197	4,472	3,279	1,793	1,396	1,707	2,361	1,198	977
WSIP 2070 With Project	1,367	1,589	5,058	2,280	4,399	3,247	1,604	1,500	1,869	1,842	1,160	1,068
Difference	112	70	88	83	-73	-32	-189	105	162	-519	-39	90
Percent Difference	8.9%	4.6%	1.8%	3.8%	-1.6%	-1.0%	-10.5%	7.5%	9.5%	-22.0%	-3.2%	9.3%
Critical (14.6%)												
WSIP 2070 Without Project	810	876	900	1,078	1,221	959	1,178	924	1,166	1,447	914	680
WSIP 2070 With Project	831	867	869	1,185	1,239	955	1,350	1,077	1,183	1,128	909	771
Difference	21	-9	-31	108	18	-4	173	153	17	-319	-5	90
Percent Difference	2.6%	-1.0%	-3.5%	10.0%	1.5%	-0.4%	14.7%	16.5%	1.5%	-22.0%	-0.6%	13.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-28-a
American River at Watt Avenue, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	1,367	1,870	3,734	7,221	8,703	5,648	3,157	1,455	1,464	2,901	1,236	1,521
WSIP 2070 With Project	1,454	1,955	3,792	7,264	8,708	5,641	3,143	1,539	1,557	2,355	1,327	1,529
Difference	87	85	59	44	5	-7	-14	84	93	-546	91	8
Percent Difference[3]	6.4%	4.5%	1.6%	0.6%	0.1%	-0.1%	-0.4%	5.8%	6.3%	-18.8%	7.3%	0.5%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	1,696	2,296	4,530	15,650	15,099	9,988	5,399	1,904	1,556	3,254	1,476	2,612
WSIP 2070 With Project	1,813	2,374	4,537	15,643	15,099	9,988	5,414	1,939	1,615	3,066	1,596	2,451
Difference	117	78	8	-6	0	0	15	35	59	-188	121	-161
Percent Difference	6.9%	3.4%	0.2%	0.0%	0.0%	0.0%	0.3%	1.9%	3.8%	-5.8%	8.2%	-6.2%
Above Normal (13.4%)												
WSIP 2070 Without Project	1,573	1,943	3,190	8,063	13,520	6,031	2,961	1,376	1,264	4,375	1,166	1,486
WSIP 2070 With Project	1,633	2,077	3,328	8,041	13,610	6,030	2,964	1,441	1,486	3,071	1,498	1,525
Difference	59	134	138	-22	89	-1	4	66	222	-1,303	332	39
Percent Difference	3.8%	6.9%	4.3%	-0.3%	0.7%	0.0%	0.1%	4.8%	17.6%	-29.8%	28.4%	2.6%
Below Normal (15.9%)												
WSIP 2070 Without Project	1,350	2,557	3,458	3,196	5,418	4,801	2,934	1,351	1,497	3,268	1,329	1,121
WSIP 2070 With Project	1,429	2,726	3,589	3,279	5,471	4,811	2,945	1,454	1,515	2,400	1,435	1,239
Difference	79	169	132	83	53	10	11	103	18	-868	106	118
Percent Difference	5.9%	6.6%	3.8%	2.6%	1.0%	0.2%	0.4%	7.6%	1.2%	-26.6%	8.0%	10.5%
Dry (24.4%)												
WSIP 2070 Without Project	1,201	1,459	4,910	2,137	4,400	3,193	1,716	1,334	1,646	2,300	1,130	919
WSIP 2070 With Project	1,311	1,528	4,997	2,219	4,326	3,162	1,527	1,440	1,806	1,778	1,096	1,009
Difference	110	69	87	82	-75	-31	-189	106	161	-521	-34	90
Percent Difference	9.2%	4.7%	1.8%	3.8%	-1.7%	-1.0%	-11.0%	7.9%	9.8%	-22.7%	-3.0%	9.8%
Critical (14.6%)												
WSIP 2070 Without Project	762	822	847	1,020	1,161	904	1,123	870	1,113	1,392	857	627
WSIP 2070 With Project	781	813	816	1,126	1,178	899	1,295	1,019	1,128	1,073	853	717
Difference	19	-9	-31	106	17	-5	173	149	14	-319	-4	89
Percent Difference	2.4%	-1.1%	-3.7%	10.4%	1.4%	-0.5%	15.4%	17.1%	1.3%	-22.9%	-0.4%	14.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

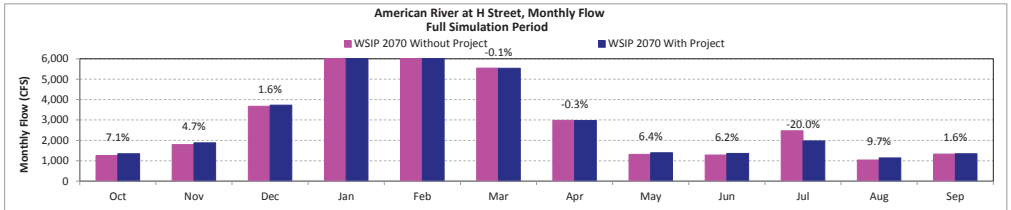
Table SW-29-a
American River at H Street, Monthly Flow
Long-term Average and Average by Water Year Type

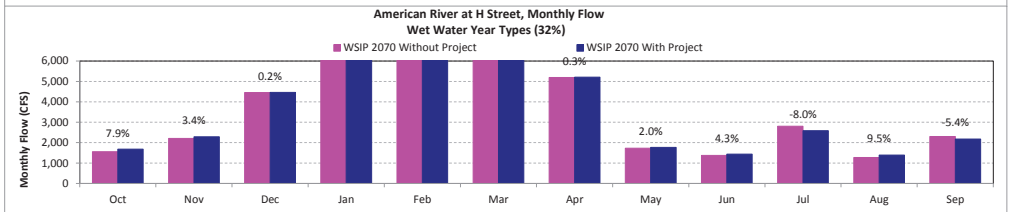
Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	1,260	1,794	3,670	7,137	8,601	5,540	2,983	1,311	1,282	2,470	1,038	1,328
WSIP 2070 With Project	1,349	1,879	3,729	7,180	8,607	5,533	2,973	1,395	1,362	1,977	1,139	1,349
Difference	89	85	59	43	6	-7	-10	84	79	-493	101	21
Percent Difference[3]	7.1%	4.7%	1.6%	0.6%	0.1%	-0.1%	-0.3%	6.4%	6.2%	-20.0%	9.7%	1.6%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	1,556	2,211	4,458	15,580	14,983	9,880	5,197	1,732	1,377	2,806	1,273	2,299
WSIP 2070 With Project	1,679	2,287	4,466	15,574	14,983	9,880	5,212	1,767	1,436	2,582	1,394	2,175
Difference	123	76	8	-6	0	0	15	35	59	-224	121	-124
Percent Difference	7.9%	3.4%	0.2%	0.0%	0.0%	0.0%	0.3%	2.0%	4.3%	-8.0%	9.5%	-5.4%
Above Normal (13.4%)												
WSIP 2070 Without Project	1,468	1,858	3,126	7,980	13,450	5,901	2,765	1,242	1,086	3,817	989	1,307
WSIP 2070 With Project	1,528	2,000	3,264	7,958	13,539	5,900	2,769	1,308	1,308	2,549	1,321	1,366
Difference	59	142	138	-22	89	-1	4	66	222	-1,268	332	58
Percent Difference	4.0%	7.7%	4.4%	-0.3%	0.7%	0.0%	0.1%	5.3%	20.4%	-33.2%	33.5%	4.5%
Below Normal (15.9%)												
WSIP 2070 Without Project	1,256	2,493	3,395	3,098	5,290	4,687	2,748	1,220	1,316	2,742	1,099	990
WSIP 2070 With Project	1,335	2,650	3,533	3,177	5,343	4,698	2,759	1,322	1,334	1,977	1,233	1,108
Difference	79	157	137	79	53	10	11	103	18	-765	134	118
Percent Difference	6.3%	6.3%	4.0%	2.5%	1.0%	0.2%	0.4%	8.4%	1.4%	-27.9%	12.2%	11.9%
Dry (24.4%)												
WSIP 2070 Without Project	1,114	1,389	4,832	2,046	4,302	3,092	1,568	1,199	1,448	1,931	936	787
WSIP 2070 With Project	1,224	1,461	4,920	2,128	4,234	3,061	1,394	1,305	1,571	1,521	917	877
Difference	110	73	87	82	-68	-31	-174	106	124	-410	-19	90
Percent Difference	9.9%	5.2%	1.8%	4.0%	-1.6%	-1.0%	-11.1%	8.8%	8.6%	-21.2%	-2.0%	11.5%
Critical (14.6%)												
WSIP 2070 Without Project	675	751	821	931	1,078	810	997	746	946	1,108	674	508
WSIP 2070 With Project	694	743	789	1,037	1,095	805	1,170	895	931	899	685	588
Difference	19	-8	-31	106	17	-5	173	149	-15	-209	11	81
Percent Difference	2.8%	-1.0%	-3.8%	11.4%	1.6%	-0.6%	17.3%	19.9%	-1.6%	-18.9%	1.7%	15.9%

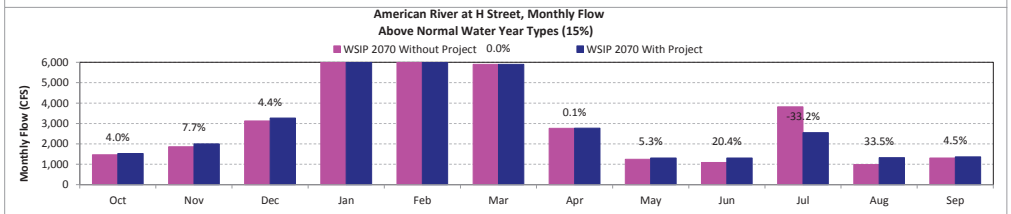
1 Based on the 82-year simulation period

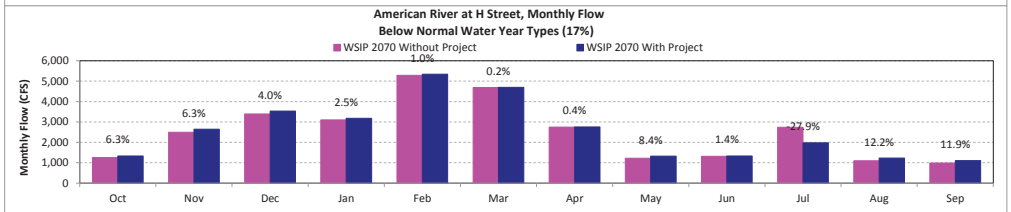
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

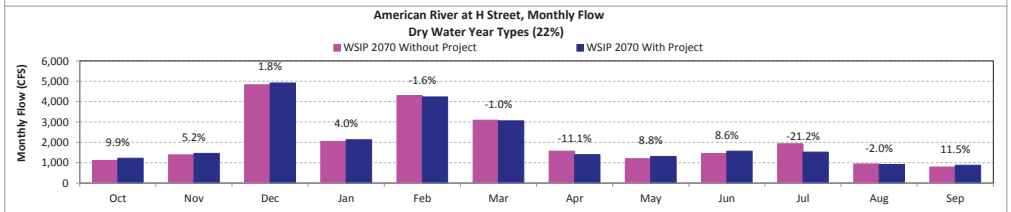
3 Relative difference of the monthly average











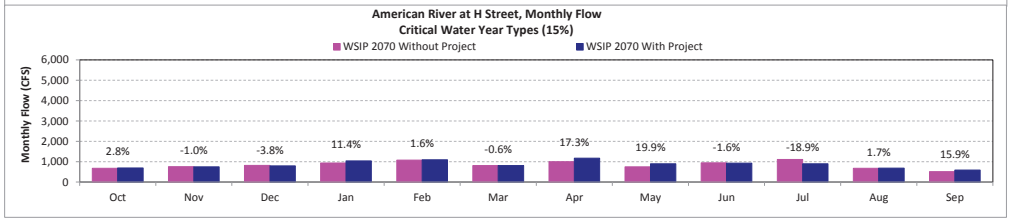


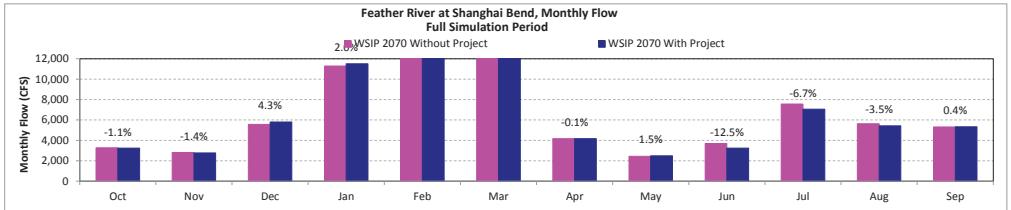
Table SW-46-a
Feather River at Shanghai Bend, Monthly Flow
Long-term Average and Average by Water Year Type

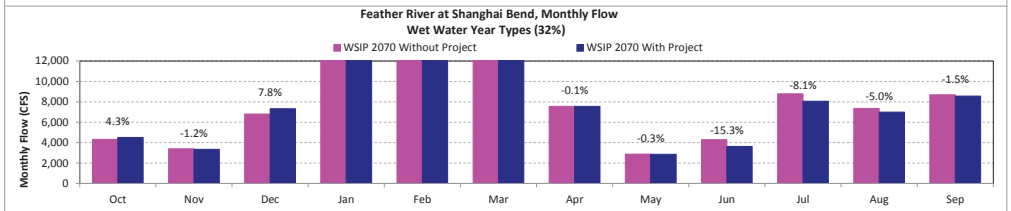
Analysis Period	Monthly Flow (CFS)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	3,274	2,810	5,560	11,286	14,955	12,739	4,173	2,445	3,704	7,567	5,627	5,312
WSIP 2070 With Project	3,239	2,770	5,797	11,512	15,033	12,822	4,169	2,482	3,240	7,063	5,429	5,331
Difference	-36	-40	237	225	78	82	-4	37	-465	-504	-197	19
Percent Difference[3]	-1.1%	-1.4%	4.3%	2.0%	0.5%	0.6%	-0.1%	1.5%	-12.5%	-6.7%	-3.5%	0.4%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	4,321	3,392	6,799	25,426	30,914	25,399	7,566	2,874	4,283	8,780	7,358	8,695
WSIP 2070 With Project	4,507	3,351	7,331	25,847	30,976	25,325	7,562	2,864	3,628	8,068	6,986	8,567
Difference	186	-41	531	421	63	-74	-4	-10	-655	-711	-372	-128
Percent Difference	4.3%	-1.2%	7.8%	1.7%	0.2%	-0.3%	-0.1%	-0.3%	-15.3%	-8.1%	-5.0%	-1.5%
Above Normal (13.4%)												
WSIP 2070 Without Project	4,373	3,352	5,300	10,038	21,160	14,692	3,059	2,302	4,228	9,171	8,210	7,753
WSIP 2070 With Project	4,474	3,384	5,430	10,568	21,729	15,391	3,058	2,305	3,491	7,939	7,757	7,502
Difference	102	32	130	530	569	700	-1	3	-736	-1,232	-453	-251
Percent Difference	2.3%	1.0%	2.5%	5.3%	2.7%	4.8%	0.0%	0.1%	-17.4%	-13.4%	-5.5%	-3.2%
Below Normal (15.9%)												
WSIP 2070 Without Project	2,627	2,883	5,045	4,374	5,813	5,561	3,103	2,200	3,828	8,916	6,581	3,583
WSIP 2070 With Project	2,541	2,898	5,505	4,562	5,766	5,654	3,188	2,293	3,118	7,847	6,119	3,421
Difference	-86	15	459	188	-47	93	85	93	-710	-1,070	-462	-162
Percent Difference	-3.3%	0.5%	9.1%	4.3%	-0.8%	1.7%	2.7%	4.2%	-18.5%	-12.0%	-7.0%	-4.5%
Dry (24.4%)												
WSIP 2070 Without Project	2,558	2,349	6,204	3,366	3,993	5,893	2,456	2,398	3,373	6,454	3,372	2,808
WSIP 2070 With Project	2,244	2,276	6,123	3,358	3,991	5,914	2,407	2,620	3,174	6,537	3,658	3,206
Difference	-314	-73	-81	-8	-3	21	-49	222	-199	83	285	397
Percent Difference	-12.3%	-3.1%	-1.3%	-0.2%	-0.1%	0.4%	-2.0%	9.3%	-5.9%	1.3%	8.5%	14.1%
Critical (14.6%)												
WSIP 2070 Without Project	1,894	1,743	2,595	2,483	2,860	2,708	1,867	1,987	2,390	3,862	2,231	1,791
WSIP 2070 With Project	1,771	1,632	2,582	2,434	2,791	2,653	1,836	1,790	2,410	4,110	2,127	1,941
Difference	-124	-111	-13	-49	-68	-55	-31	-196	20	249	-104	150
Percent Difference	-6.5%	-6.4%	-0.5%	-2.0%	-2.4%	-2.0%	-1.6%	-9.9%	0.8%	6.4%	-4.7%	8.4%

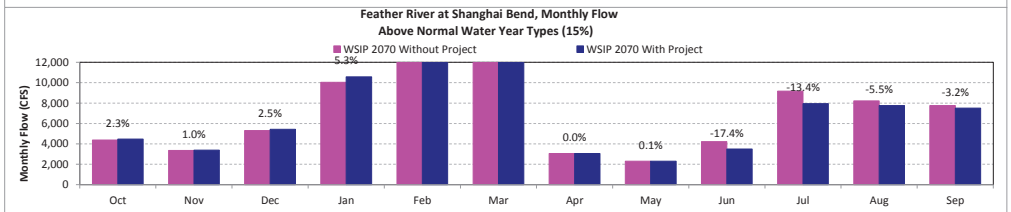
1 Based on the 82-year simulation period

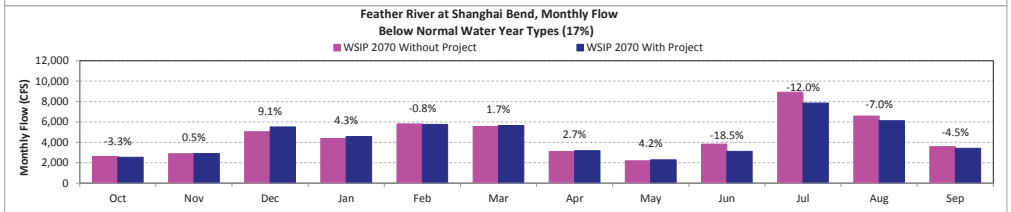
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

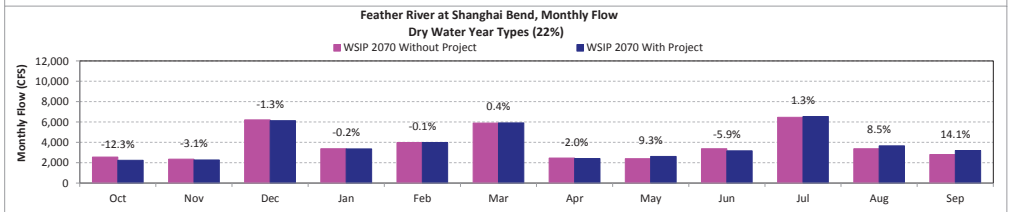
3 Relative difference of the monthly average











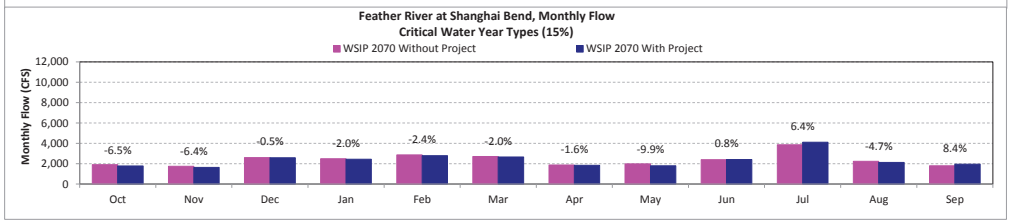


Table SW-47-a
American River at Mouth, Monthly Flow
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Flow (CFS) Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	1,260	1,794	3,670	7,137	8,601	5,540	2,983	1,311	1,282	2,470	1,038	1,328
WSIP 2070 With Project	1,349	1,879	3,729	7,180	8,607	5,533	2,973	1,395	1,362	1,977	1,139	1,349
Difference	89	85	59	43	6	-7	-10	84	79	-493	101	21
Percent Difference[3]	7.1%	4.7%	1.6%	0.6%	0.1%	-0.1%	-0.3%	6.4%	6.2%	-20.0%	9.7%	1.6%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	1,556	2,211	4,458	15,580	14,983	9,880	5,197	1,732	1,377	2,806	1,273	2,299
WSIP 2070 With Project	1,679	2,287	4,466	15,574	14,983	9,880	5,212	1,767	1,436	2,582	1,394	2,175
Difference	123	76	8	-6	0	0	15	35	59	-224	121	-124
Percent Difference	7.9%	3.4%	0.2%	0.0%	0.0%	0.0%	0.3%	2.0%	4.3%	-8.0%	9.5%	-5.4%
Above Normal (13.4%)												
WSIP 2070 Without Project	1,468	1,858	3,126	7,980	13,450	5,901	2,765	1,242	1,086	3,817	989	1,307
WSIP 2070 With Project	1,528	2,000	3,264	7,958	13,539	5,900	2,769	1,308	1,308	2,549	1,321	1,366
Difference	59	142	138	-22	89	-1	4	66	222	-1,268	332	58
Percent Difference	4.0%	7.7%	4.4%	-0.3%	0.7%	0.0%	0.1%	5.3%	20.4%	-33.2%	33.5%	4.5%
Below Normal (15.9%)												
WSIP 2070 Without Project	1,256	2,493	3,395	3,098	5,290	4,687	2,748	1,220	1,316	2,742	1,099	990
WSIP 2070 With Project	1,335	2,650	3,533	3,177	5,343	4,698	2,759	1,322	1,334	1,977	1,233	1,108
Difference	79	157	137	79	53	10	11	103	18	-765	134	118
Percent Difference	6.3%	6.3%	4.0%	2.5%	1.0%	0.2%	0.4%	8.4%	1.4%	-27.9%	12.2%	11.9%
Dry (24.4%)												
WSIP 2070 Without Project	1,114	1,389	4,832	2,046	4,302	3,092	1,568	1,199	1,448	1,931	936	787
WSIP 2070 With Project	1,224	1,461	4,920	2,128	4,234	3,061	1,394	1,305	1,571	1,521	917	877
Difference	110	73	87	82	-68	-31	-174	106	124	-410	-19	90
Percent Difference	9.9%	5.2%	1.8%	4.0%	-1.6%	-1.0%	-11.1%	8.8%	8.6%	-21.2%	-2.0%	11.5%
Critical (14.6%)												
WSIP 2070 Without Project	675	751	821	931	1,078	810	997	746	946	1,108	674	508
WSIP 2070 With Project	694	743	789	1,037	1,095	805	1,170	895	931	899	685	588
Difference	19	-8	-31	106	17	-5	173	149	-15	-209	11	81
Percent Difference	2.8%	-1.0%	-3.8%	11.4%	1.6%	-0.6%	17.3%	19.9%	-1.6%	-18.9%	1.7%	15.9%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

Table SW-53-a
Sacramento River at Bend Bridge, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	3	4	5	7	8	6	4	4	5	6	4	4
WSIP 2070 With Project	3	4	5	7	8	6	4	4	5	6	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	-5.2%	-1.2%	1.8%	0.4%	0.9%	0.3%	-0.3%	-4.8%	-4.2%	3.5%	2.3%	2.2%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	3	5	5	12	13	10	6	4	5	6	4	6
WSIP 2070 With Project	3	4	5	12	13	10	6	4	5	7	5	6
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.5%	-2.8%	0.5%	-0.1%	0.3%	-0.1%	1.2%	-4.2%	-1.8%	3.2%	8.4%	-2.2%
Above Normal (13.4%)												
WSIP 2070 Without Project	3	5	4	8	11	7	4	4	6	7	4	4
WSIP 2070 With Project	3	5	4	8	11	7	4	4	5	7	4	4
Difference	0	0	0	0	0	0	0	0	-1	1	0	-1
Percent Difference	-5.6%	1.8%	8.3%	1.3%	-0.1%	-1.0%	-1.2%	-3.0%	-9.8%	7.9%	5.3%	-15.6%
Below Normal (15.9%)												
WSIP 2070 Without Project	2	3	6	5	5	4	4	4	6	7	4	2
WSIP 2070 With Project	2	3	6	5	5	4	4	4	5	7	4	3
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	1.2%	-2.6%	2.1%	0.7%	2.1%	0.6%	4.8%	-5.4%	-4.9%	4.0%	3.3%	24.0%
Dry (24.4%)												
WSIP 2070 Without Project	3	3	5	3	4	4	3	4	6	6	4	2
WSIP 2070 With Project	2	3	5	3	4	4	3	4	5	6	4	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-12.1%	-2.0%	1.1%	2.0%	1.8%	2.4%	-0.9%	-3.3%	-4.5%	1.5%	-1.1%	24.2%
Critical (14.6%)												
WSIP 2070 Without Project	2	2	3	3	3	3	3	4	5	5	4	2
WSIP 2070 With Project	2	2	3	3	3	3	3	3	5	5	4	2
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-15.7%	4.1%	0.2%	-0.4%	6.5%	1.8%	-9.6%	-10.0%	-2.9%	2.1%	-8.8%	7.3%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

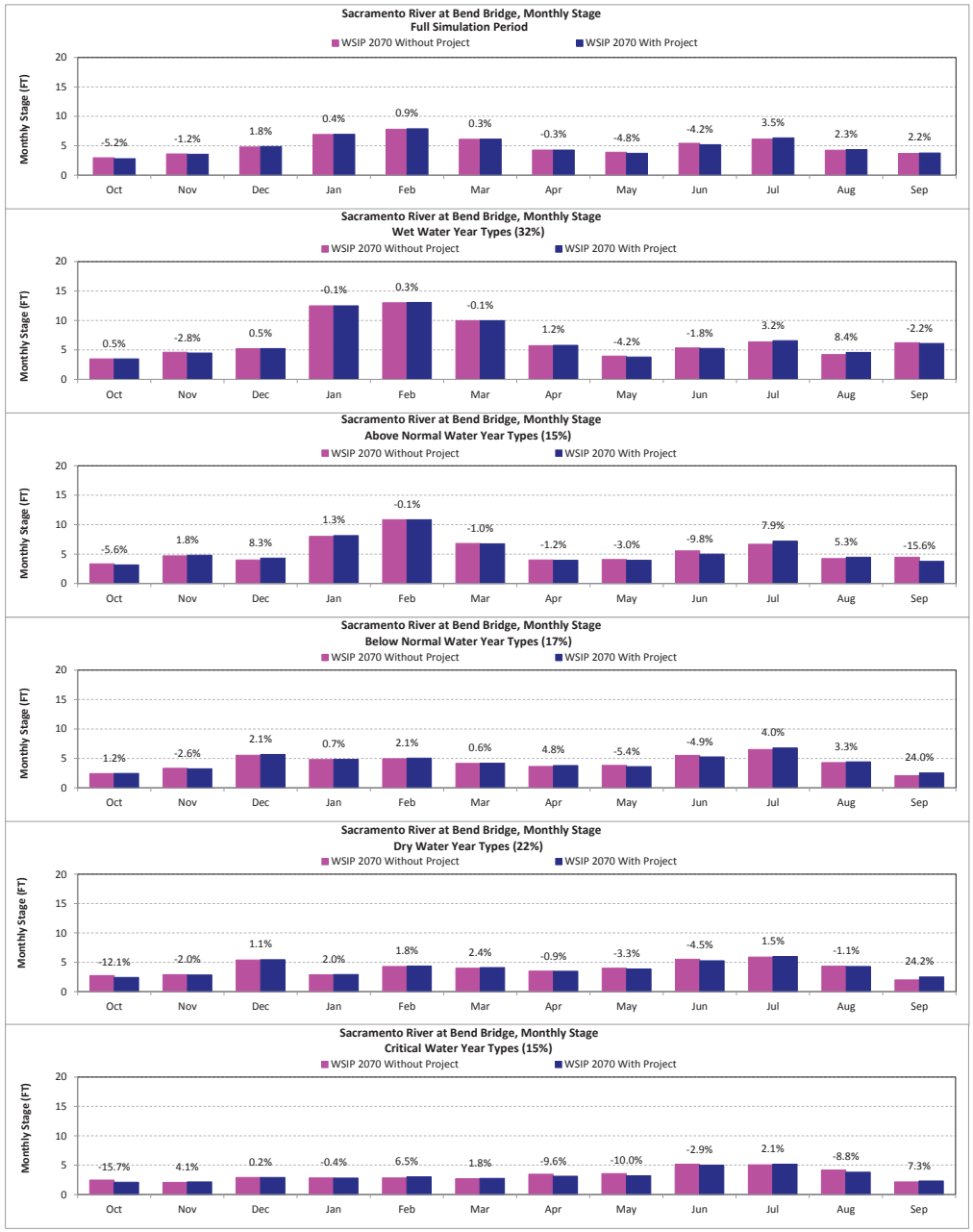


Table SW-54-a
Sacramento River below Hamilton City, Monthly Stage
Long-term Average and Average by Water Year Type

Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	29	30	31	33	33	32	30	30	30	31	30	30
WSIP 2070 With Project	29	30	31	32	33	32	30	30	30	31	30	30
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	-0.3%	-0.2%	-0.8%	-1.0%	-1.0%	-1.1%	-0.3%	-0.1%	-0.1%	0.7%	0.2%	0.4%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	30	31	31	36	37	34	31	30	30	31	30	31
WSIP 2070 With Project	30	31	31	36	36	34	31	30	30	31	30	31
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.1%	-0.5%	-1.2%	-0.9%	-0.6%	-0.8%	-0.4%	-0.1%	-0.1%	0.3%	0.5%	-0.2%
Above Normal (13.4%)												
WSIP 2070 Without Project	30	31	31	33	35	32	30	30	30	31	30	30
WSIP 2070 With Project	30	31	30	33	35	32	30	30	30	32	30	30
Difference	0	0	0	0	0	-1	0	0	0	1	0	0
Percent Difference	-0.5%	-0.1%	-0.4%	-1.1%	-1.2%	-1.7%	-0.7%	-0.2%	-0.6%	1.7%	0.4%	-1.3%
Below Normal (15.9%)												
WSIP 2070 Without Project	29	30	32	31	31	31	30	30	30	31	30	29
WSIP 2070 With Project	29	30	32	31	31	30	30	30	30	31	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.3%	-0.1%	-0.1%	-1.5%	-1.2%	-1.6%	-0.2%	-0.3%	0.0%	1.0%	0.3%	1.4%
Dry (24.4%)												
WSIP 2070 Without Project	29	30	31	30	31	31	30	30	30	31	30	29
WSIP 2070 With Project	29	30	31	30	30	30	30	30	30	31	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.8%	-0.3%	-0.5%	-0.8%	-1.5%	-1.5%	-0.1%	0.1%	-0.1%	0.5%	0.0%	1.4%
Critical (14.6%)												
WSIP 2070 Without Project	29	29	30	30	30	30	29	30	30	30	30	29
WSIP 2070 With Project	29	29	30	30	30	30	29	29	30	30	30	29
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.8%	0.2%	-1.2%	-0.6%	-0.7%	-0.3%	-0.2%	-0.2%	0.0%	0.6%	-0.4%	0.5%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

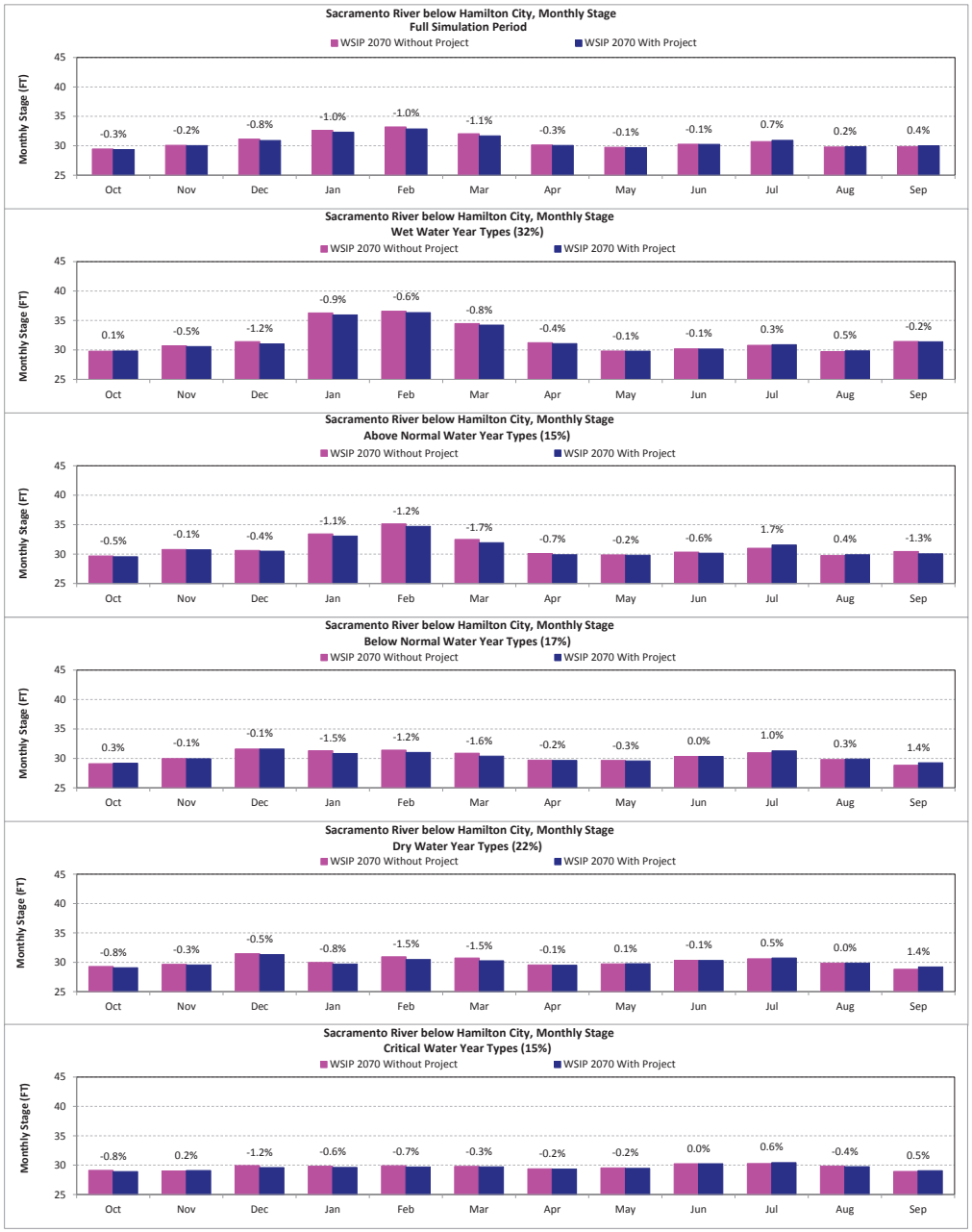


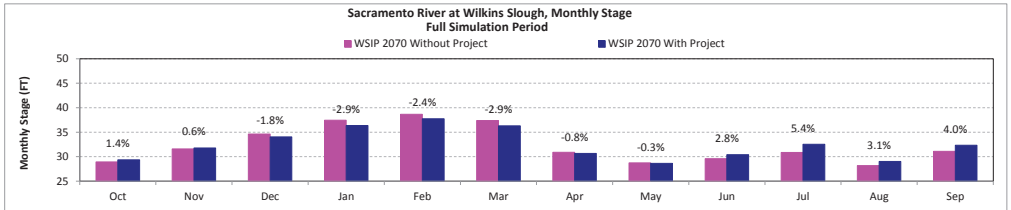
Table SW-56-a
Sacramento River at Wilkins Slough, Monthly Stage
Long-term Average and Average by Water Year Type

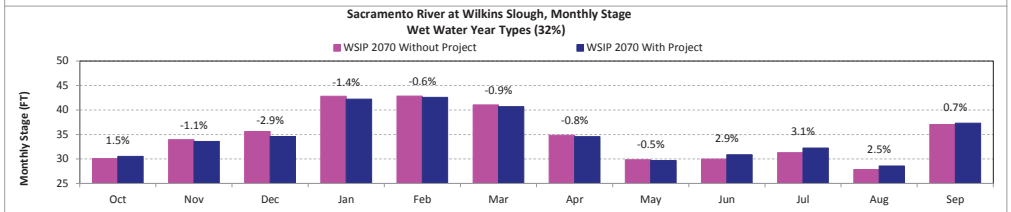
Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	29	32	35	37	39	37	31	29	30	31	28	31
WSIP 2070 With Project	29	32	34	36	38	36	31	29	30	33	29	32
Difference	0	0	-1	-1	-1	-1	0	0	1	2	1	1
Percent Difference[3]	1.4%	0.6%	-1.8%	-2.9%	-2.4%	-2.9%	-0.8%	-0.3%	2.8%	5.4%	3.1%	4.0%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	30	34	36	43	43	41	35	30	30	31	28	37
WSIP 2070 With Project	31	34	35	42	43	41	35	30	31	32	29	37
Difference	0	0	-1	-1	0	0	0	0	1	1	1	0
Percent Difference	1.5%	-1.1%	-2.9%	-1.4%	-0.6%	-0.9%	-0.8%	-0.5%	2.9%	3.1%	2.5%	0.7%
Above Normal (13.4%)												
WSIP 2070 Without Project	30	34	33	40	42	39	32	30	30	32	28	33
WSIP 2070 With Project	30	34	33	39	42	38	31	29	30	35	29	33
Difference	0	0	-1	-1	-1	-2	-1	0	1	4	1	0
Percent Difference	1.4%	0.2%	-1.6%	-2.3%	-1.4%	-4.2%	-2.3%	-0.3%	2.1%	11.4%	3.0%	0.0%
Below Normal (15.9%)												
WSIP 2070 Without Project	28	32	36	37	37	36	30	29	30	32	28	27
WSIP 2070 With Project	29	32	37	35	36	34	30	28	31	34	29	30
Difference	1	0	0	-2	-2	-2	0	0	1	2	1	2
Percent Difference	3.2%	1.2%	1.2%	-5.5%	-4.0%	-5.6%	-0.4%	-1.3%	4.1%	7.6%	4.0%	8.9%
Dry (24.4%)												
WSIP 2070 Without Project	28	30	35	32	36	36	28	28	29	30	28	27
WSIP 2070 With Project	29	30	34	31	34	34	28	28	30	32	29	29
Difference	0	0	0	-1	-2	-2	0	0	1	1	1	2
Percent Difference	1.6%	1.5%	-0.9%	-4.3%	-5.0%	-4.5%	-0.4%	0.2%	2.4%	4.5%	4.4%	8.8%
Critical (14.6%)												
WSIP 2070 Without Project	28	28	32	32	32	32	27	27	29	29	29	27
WSIP 2070 With Project	27	28	31	31	32	32	27	27	30	30	29	29
Difference	0	1	-1	-1	-1	0	0	0	1	1	0	1
Percent Difference	-0.8%	2.8%	-4.6%	-2.4%	-1.8%	-0.9%	-0.2%	0.3%	2.1%	3.8%	1.3%	5.3%

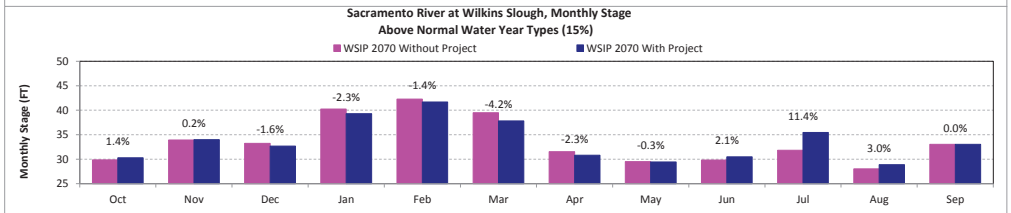
1 Based on the 82-year simulation period

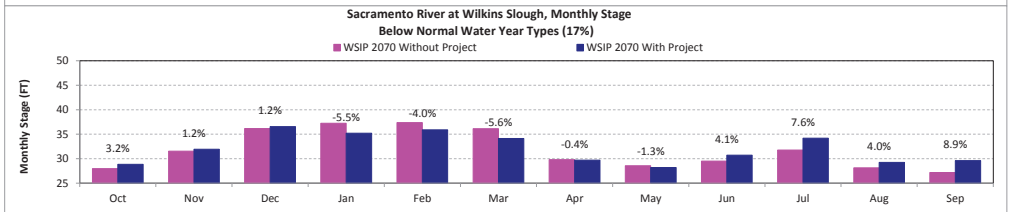
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

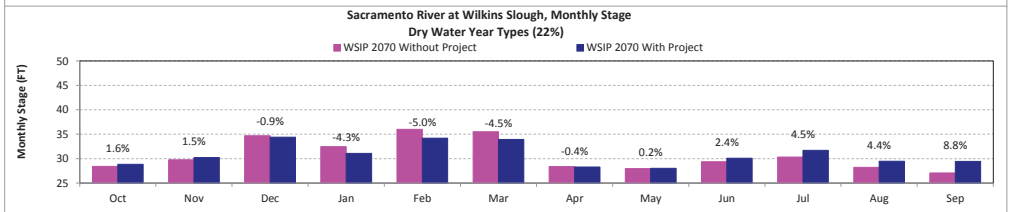
3 Relative difference of the monthly average











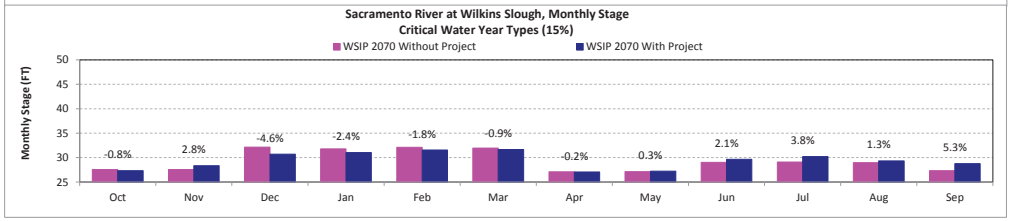


Table SW-57-a
Feather River near Gridley, Monthly Stage
Long-term Average and Average by Water Year Type

	Monthly Stage (FT)											
Analysis Period	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	**May**	**Jun**	**Jul**	**Aug**	**Sep**
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	74	74	74	75	77	76	74	74	75	77	76	75
WSIP 2070 With Project	74	74	74	75	77	76	74	74	74	76	75	75
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	-0.1%	0.0%	0.2%	0.1%	0.1%	0.1%	0.0%	0.0%	-0.3%	-0.3%	-0.1%	0.1%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	75	74	75	79	81	80	75	74	75	77	76	77
WSIP 2070 With Project	75	74	75	79	81	80	75	74	75	77	76	77
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.1%	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	-0.4%	-0.4%	-0.2%	-0.1%
Above Normal (13.4%)												
WSIP 2070 Without Project	75	74	75	75	78	77	73	74	75	77	77	77
WSIP 2070 With Project	75	74	75	75	78	78	73	74	75	77	77	77
Difference	0	0	0	0	0	0	0	0	0	-1	0	0
Percent Difference	0.1%	0.0%	0.1%	0.2%	0.3%	0.4%	0.0%	0.0%	-0.5%	-0.7%	-0.3%	-0.1%
Below Normal (15.9%)												
WSIP 2070 Without Project	74	74	74	74	74	74	74	74	75	77	76	74
WSIP 2070 With Project	74	74	74	74	74	74	74	74	74	77	76	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.1%	0.0%	0.4%	0.1%	0.0%	0.1%	0.1%	0.1%	-0.6%	-0.6%	-0.3%	0.0%
Dry (24.4%)												
WSIP 2070 Without Project	74	73	74	73	74	74	74	74	74	76	74	74
WSIP 2070 With Project	74	73	74	73	74	74	74	74	74	76	75	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.3%	-0.1%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.2%	-0.2%	0.0%	0.1%	0.3%
Critical (14.6%)												
WSIP 2070 Without Project	73	73	73	73	73	74	73	73	74	75	74	74
WSIP 2070 With Project	73	73	73	73	73	74	73	73	74	75	74	74
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	-0.2%	-0.1%	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.3%	-0.1%	0.2%	-0.1%	0.1%

1 Based on the 82-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average

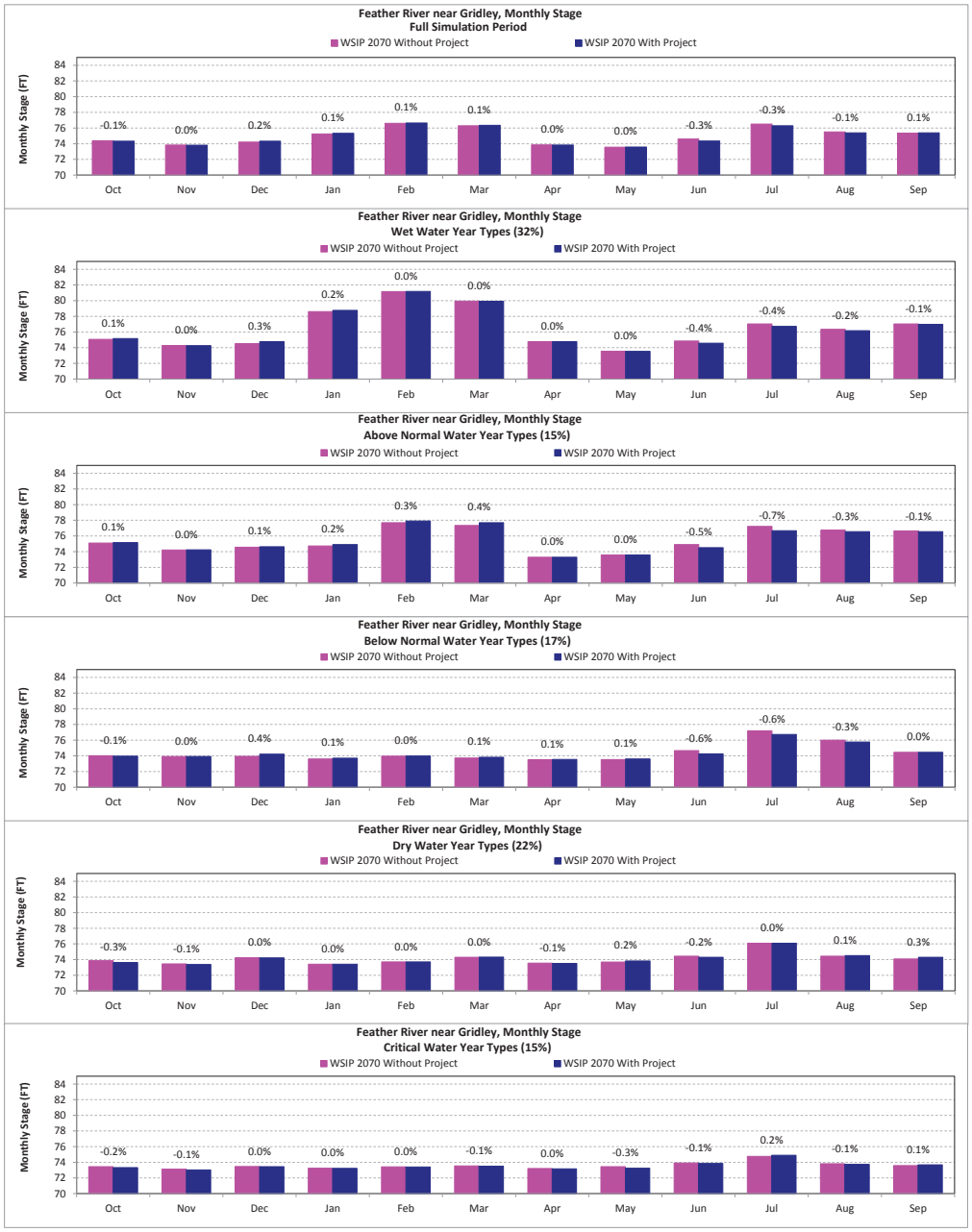


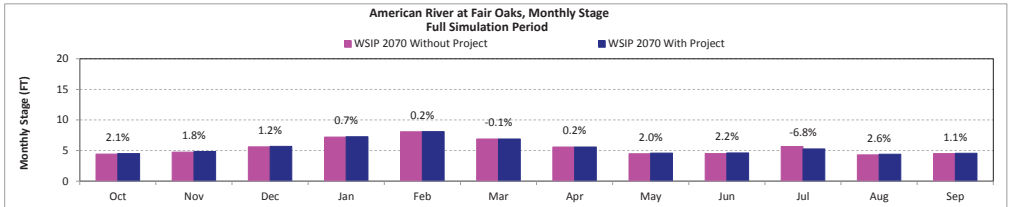
Table SW-58-a
American River at Fair Oaks, Monthly Stage
Long-term Average and Average by Water Year Type

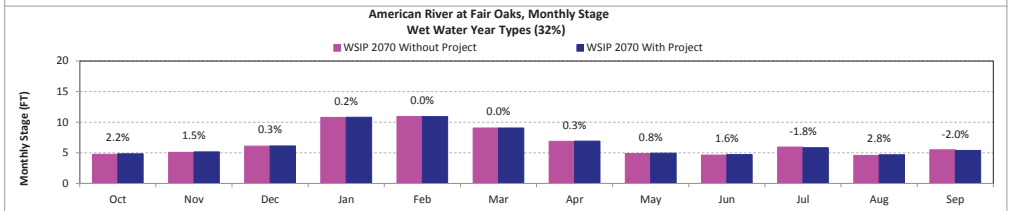
Analysis Period	Monthly Stage (FT)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	4	5	6	7	8	7	6	4	5	6	4	5
WSIP 2070 With Project	5	5	6	7	8	7	6	5	5	5	4	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference[3]	2.1%	1.8%	1.2%	0.7%	0.2%	-0.1%	0.2%	2.0%	2.2%	-6.8%	2.6%	1.1%
Water Year Types[2]												
Wet (31.7%)												
WSIP 2070 Without Project	5	5	6	11	11	9	7	5	5	6	5	6
WSIP 2070 With Project	5	5	6	11	11	9	7	5	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	2.2%	1.5%	0.3%	0.2%	0.0%	0.0%	0.3%	0.8%	1.6%	-1.8%	2.8%	-2.0%
Above Normal (13.4%)												
WSIP 2070 Without Project	5	5	6	8	10	8	6	4	4	7	4	5
WSIP 2070 With Project	5	5	6	8	10	8	6	5	5	6	5	5
Difference	0	0	0	0	0	0	0	0	0	-1	0	0
Percent Difference	1.5%	2.6%	2.3%	-0.4%	0.6%	0.0%	0.1%	1.5%	5.4%	-13.2%	7.9%	1.2%
Below Normal (15.9%)												
WSIP 2070 Without Project	4	5	6	6	7	7	6	4	5	6	4	4
WSIP 2070 With Project	5	5	6	6	7	7	6	5	5	5	5	4
Difference	0	0	0	0	0	0	0	0	0	-1	0	0
Percent Difference	2.1%	3.0%	2.3%	1.1%	0.4%	0.1%	0.7%	2.5%	1.1%	-10.6%	3.3%	3.8%
Dry (24.4%)												
WSIP 2070 Without Project	4	5	6	5	6	6	5	4	5	5	4	4
WSIP 2070 With Project	4	5	6	5	6	6	5	5	5	5	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	2.9%	1.9%	2.0%	2.1%	-0.5%	-0.5%	-3.1%	2.6%	3.2%	-7.6%	-0.4%	2.9%
Critical (14.6%)												
WSIP 2070 Without Project	4	4	4	4	4	4	4	4	4	4	4	4
WSIP 2070 With Project	4	4	4	4	4	4	4	4	4	4	4	4
Difference	0	0	0	0	0	0	0	0	0	0	0	0
Percent Difference	0.9%	-0.2%	-0.6%	2.8%	1.3%	0.3%	5.4%	4.3%	0.2%	-5.1%	1.6%	4.4%

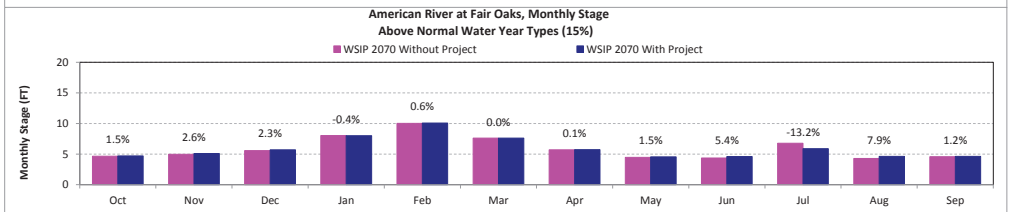
1 Based on the 82-year simulation period

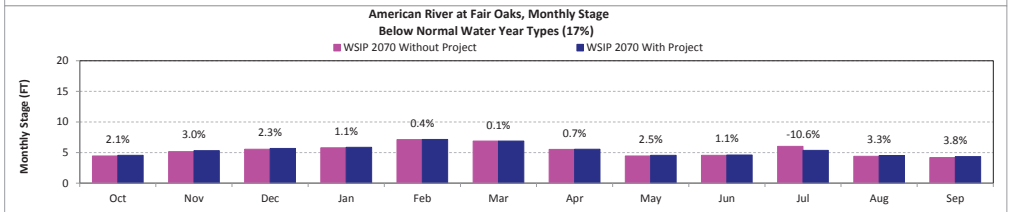
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

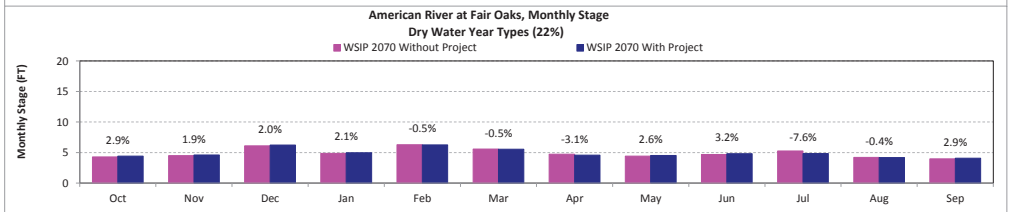
3 Relative difference of the monthly average

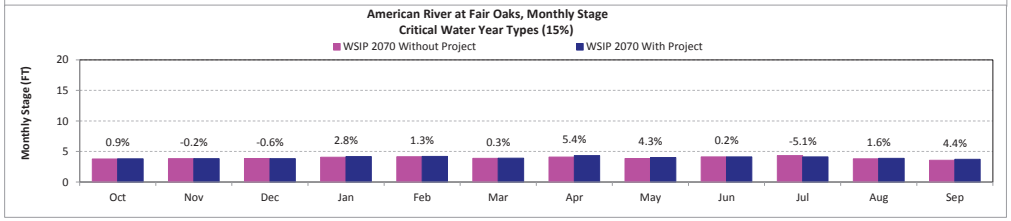












Trinity and Sacramento River Basin Operations

Exceedance Probability Charts and Tables

Figure SW-01-b
Trinity Lake, End of Month Storage
Probability of Exceedance

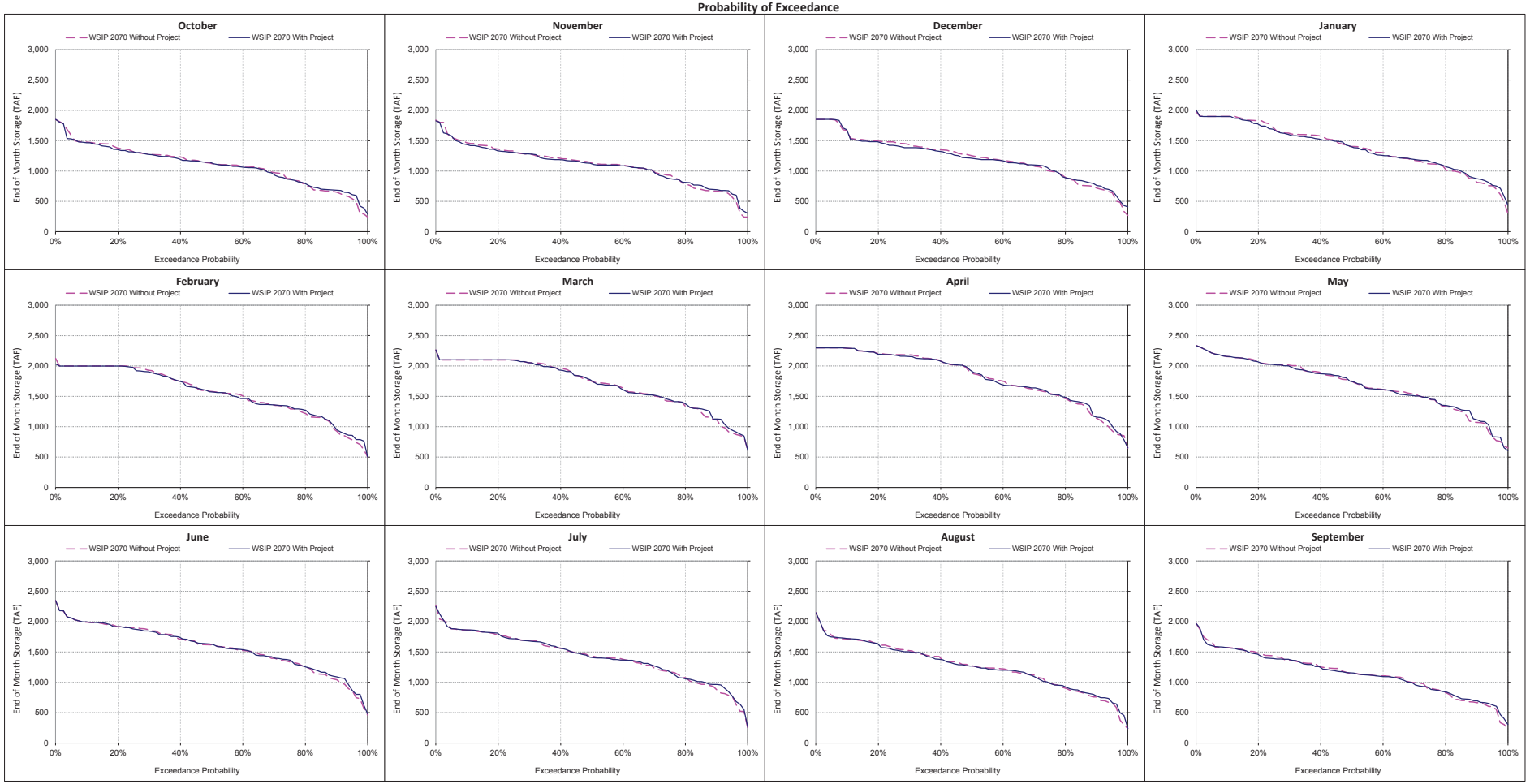


Table SW-01-b

Trinity Lake, End of Month Storage

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,848	1,850	2	0.1%
1.2%	1,814	1,804	-10	-0.6%
2.5%	1,780	1,780	0	0.0%
3.7%	1,684	1,533	-151	-9.0%
4.9%	1,594	1,532	-62	-3.9%
6.2%	1,499	1,512	14	0.9%
7.4%	1,484	1,477	-7	-0.5%
8.6%	1,482	1,473	-9	-0.6%
9.9%	1,477	1,468	-9	-0.6%
11.1%	1,471	1,464	-7	-0.5%
12.3%	1,461	1,446	-14	-1.0%
13.6%	1,457	1,441	-17	-1.1%
14.8%	1,450	1,417	-34	-2.3%
16.0%	1,446	1,406	-40	-2.8%
17.3%	1,446	1,398	-48	-3.3%
18.5%	1,408	1,360	-47	-3.4%
19.8%	1,380	1,356	-25	-1.8%
21.0%	1,366	1,338	-28	-2.0%
22.2%	1,360	1,336	-25	-1.8%
23.5%	1,353	1,318	-35	-2.6%
24.7%	1,322	1,316	-5	-0.4%
25.9%	1,304	1,305	1	0.1%
27.2%	1,295	1,304	9	0.7%
28.4%	1,290	1,285	-5	-0.4%
29.6%	1,287	1,276	-11	-0.9%
30.9%	1,273	1,268	-4	-0.4%
32.1%	1,269	1,256	-13	-1.1%
33.3%	1,268	1,243	-25	-1.9%
34.6%	1,259	1,239	-19	-1.5%
35.8%	1,258	1,238	-20	-1.6%
37.0%	1,240	1,227	-13	-1.1%
38.3%	1,237	1,218	-19	-1.6%
39.5%	1,236	1,202	-35	-2.8%
40.7%	1,223	1,175	-48	-3.9%
42.0%	1,185	1,173	-12	-1.0%
43.2%	1,180	1,168	-12	-1.0%
44.4%	1,178	1,167	-11	-0.9%
45.7%	1,170	1,162	-8	-0.7%
46.9%	1,140	1,148	8	0.7%
48.1%	1,138	1,145	7	0.6%
49.4%	1,130	1,145	14	1.3%
50.6%	1,115	1,122	7	0.6%
51.9%	1,109	1,106	-3	-0.3%
53.1%	1,105	1,100	-5	-0.4%
54.3%	1,104	1,099	-4	-0.4%
55.6%	1,102	1,094	-8	-0.7%
56.8%	1,098	1,075	-23	-2.1%
58.0%	1,096	1,075	-21	-1.9%
59.3%	1,078	1,068	-10	-0.9%
60.5%	1,077	1,061	-16	-1.5%
61.7%	1,076	1,057	-18	-1.7%
63.0%	1,072	1,055	-17	-1.6%
64.2%	1,067	1,052	-14	-1.3%
65.4%	1,044	1,036	-8	-0.8%
66.7%	1,036	1,022	-14	-1.4%
67.9%	987	981	-6	-0.6%
69.1%	983	968	-15	-1.5%
70.4%	969	929	-41	-4.2%
71.6%	964	900	-64	-6.6%
72.8%	952	894	-58	-6.1%
74.1%	874	868	-7	-0.8%
75.3%	874	857	-17	-1.9%
76.5%	843	843	0	0.0%
77.8%	839	820	-19	-2.3%
79.0%	800	811	11	1.3%
80.2%	761	785	24	3.1%
81.5%	740	753	13	1.8%
82.7%	688	731	43	6.2%
84.0%	685	721	36	5.2%
85.2%	680	699	19	2.8%
86.4%	670	694	24	3.6%
87.7%	669	691	22	3.3%
88.9%	664	686	22	3.4%
90.1%	649	685	35	5.5%
91.4%	624	679	55	8.7%
92.6%	594	650	57	9.5%
93.8%	579	644	65	11.2%
95.1%	542	610	68	12.6%
96.3%	500	596	96	19.2%
97.5%	297	420	123	41.5%
98.8%	291	389	99	33.9%
100.0%	240	291	51	21.2%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,838	1,828	-10	-0.6%
1.2%	1,801	1,803	2	0.1%
2.5%	1,801	1,629	-172	-9.5%
3.7%	1,612	1,612	0	0.0%
4.9%	1,555	1,580	26	1.7%
6.2%	1,533	1,505	-28	-1.8%
7.4%	1,507	1,484	-23	-1.6%
8.6%	1,498	1,450	-48	-3.2%
9.9%	1,466	1,435	-31	-2.1%
11.1%	1,454	1,420	-34	-2.3%
12.3%	1,453	1,417	-35	-2.4%
13.6%	1,427	1,408	-19	-1.3%
14.8%	1,423	1,388	-35	-2.4%
16.0%	1,420	1,379	-41	-2.9%
17.3%	1,419	1,361	-57	-4.0%
18.5%	1,370	1,360	-9	-0.7%
19.8%	1,364	1,335	-29	-2.1%
21.0%	1,350	1,323	-27	-2.0%
22.2%	1,339	1,319	-20	-1.5%
23.5%	1,331	1,312	-19	-1.4%
24.7%	1,331	1,309	-22	-1.7%
25.9%	1,301	1,299	-2	-0.1%
27.2%	1,289	1,297	8	0.6%
28.4%	1,285	1,280	-4	-0.3%
29.6%	1,277	1,280	3	0.2%
30.9%	1,274	1,279	4	0.3%
32.1%	1,251	1,268	17	1.3%
33.3%	1,249	1,224	-25	-2.0%
34.6%	1,248	1,205	-44	-3.5%
35.8%	1,236	1,196	-40	-3.2%
37.0%	1,220	1,192	-28	-2.3%
38.3%	1,220	1,190	-30	-2.4%
39.5%	1,212	1,186	-26	-2.1%
40.7%	1,201	1,182	-20	-1.6%
42.0%	1,200	1,172	-27	-2.3%
43.2%	1,186	1,167	-19	-1.6%
44.4%	1,178	1,167	-11	-0.9%
45.7%	1,171	1,156	-14	-1.2%
46.9%	1,157	1,140	-17	-1.5%
48.1%	1,157	1,134	-23	-2.0%
49.4%	1,144	1,127	-17	-1.5%
50.6%	1,117	1,105	-12	-1.1%
51.9%	1,116	1,100	-16	-1.5%
53.1%	1,110	1,100	-10	-0.9%
54.3%	1,109	1,100	-9	-0.8%
55.6%	1,109	1,100	-9	-0.8%
56.8%	1,108	1,100	-8	-0.7%
58.0%	1,107	1,098	-10	-0.9%
59.3%	1,100	1,086	-14	-1.3%
60.5%	1,090	1,086	-4	-0.4%
61.7%	1,082	1,077	-5	-0.5%
63.0%	1,069	1,058	-11	-1.0%
64.2%	1,050	1,055	5	0.5%
65.4%	1,045	1,053	8	0.7%
66.7%	1,044	1,047	2	0.2%
67.9%	1,025	1,023	-3	-0.3%
69.1%	1,017	1,021	4	0.4%
70.4%	973	962	-11	-1.1%
71.6%	954	925	-29	-3.1%
72.8%	949	913	-37	-3.8%
74.1%	935	885	-49	-5.3%
75.3%	929	871	-58	-6.2%
76.5%	884	863	-21	-2.4%
77.8%	863	859	-3	-0.4%
79.0%	803	814	11	1.4%
80.2%	781	811	30	3.9%
81.5%	761	808	47	6.1%
82.7%	716	769	53	7.4%
84.0%	705	769	64	9.1%
85.2%	696	762	66	9.5%
86.4%	679	720	41	6.0%
87.7%	676	700	24	3.6%
88.9%	671	696	25	3.8%
90.1%	668	690	22	3.2%
91.4%	660	677	17	2.6%
92.6%	659	677	18	2.7%
93.8%	626	675	49	7.8%
95.1%	564	618	54	9.6%
96.3%	490	600	110	22.4%
97.5%	302	381	79	26.1%
98.8%	240	337	97	40.4%
100.0%	240	302	62	26.0%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,850	1,850	0	0.0%
1.2%	1,850	1,850	0	0.0%
2.5%	1,850	1,850	0	0.0%
3.7%	1,850	1,850	0	0.0%
4.9%	1,850	1,850	0	0.0%
6.2%	1,841	1,846	5	0.3%
7.4%	1,785	1,833	48	2.7%
8.6%	1,681	1,709	29	1.7%
9.9%	1,670	1,681	10	0.6%
11.1%	1,539	1,524	-15	-1.0%
12.3%	1,527	1,513	-13	-0.9%
13.6%	1,519	1,503	-16	-1.1%
14.8%	1,517	1,494	-24	-1.6%
16.0%	1,509	1,491	-17	-1.2%
17.3%	1,508	1,484	-24	-1.6%
18.5%	1,500	1,483	-17	-1.2%
19.8%	1,496	1,482	-14	-0.9%
21.0%	1,486	1,460	-26	-1.8%
22.2%	1,481	1,447	-34	-2.3%
23.5%	1,481	1,425	-56	-3.8%
24.7%	1,481	1,424	-57	-3.8%
25.9%	1,465	1,414	-51	-3.5%
27.2%	1,455	1,403	-52	-3.6%
28.4%	1,452	1,387	-65	-4.5%
29.6%	1,439	1,386	-53	-3.7%
30.9%	1,412	1,385	-26	-1.9%
32.1%	1,409	1,383	-26	-1.8%
33.3%	1,396	1,382	-15	-1.0%
34.6%	1,396	1,373	-23	-1.6%
35.8%	1,374	1,360	-13	-1.0%
37.0%	1,355	1,353	-2	-0.2%
38.3%	1,355	1,335	-20	-1.5%
39.5%	1,351	1,323	-27	-2.0%
40.7%	1,347	1,316	-32	-2.3%
42.0%	1,343	1,292	-50	-3.7%
43.2%	1,323	1,286	-37	-2.8%
44.4%	1,319	1,260	-59	-4.5%
45.7%	1,290	1,252	-39	-3.0%
46.9%	1,278	1,222	-56	-4.4%
48.1%	1,275	1,220	-55	-4.3%
49.4%	1,259	1,215	-44	-3.5%
50.6%	1,245	1,207	-38	-3.1%
51.9%	1,236	1,197	-39	-3.1%
53.1%	1,223	1,190	-33	-2.7%
54.3%	1,220	1,188	-32	-2.6%
55.6%	1,203	1,188	-15	-1.2%
56.8%	1,194	1,187	-7	-0.6%
58.0%	1,189	1,180	-9	-0.8%
59.3%	1,176	1,176	0	0.0%
60.5%	1,173	1,160	-13	-1.1%
61.7%	1,163	1,138	-25	-2.2%
63.0%	1,155	1,137	-18	-1.5%
64.2%	1,134	1,132	-3	-0.2%
65.4%	1,132	1,121	-11	-1.0%
66.7%	1,129	1,121	-8	-0.7%
67.9%	1,100	1,102	2	0.2%
69.1%	1,094	1,102	8	0.7%
70.4%	1,076	1,100	23	2.2%
71.6%	1,070	1,093	23	2.2%
72.8%	1,045	1,087	42	4.0%
74.1%	1,009	1,059	50	5.0%
75.3%	995	1,017	22	2.2%
76.5%	987	1,000	13	1.3%
77.8%	969	968	-1	-0.1%
79.0%	929	905	-25	-2.7%
80.2%	884	884	0	0.0%
81.5%	860	874	14	1.6%
82.7%	848	860	12	1.4%
84.0%	781	845	65	8.3%
85.2%	761	842	81	10.6%
86.4%	759	822	64	8.4%
87.7%	755	805	50	6.6%
88.9%	747	795	48	6.4%
90.1%	716	761	45	6.3%
91.4%	700	751	50	7.2%
92.6%	685	709	25	3.6%
93.8%	662	694	32	4.8%
95.1%	639	668	29	4.5%
96.3%	502	588	86	17.1%
97.5%	484	502	18	3.6%
98.8%	332	429	97	29.3%
100.0%	266	408	141	53.0%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,980	2,016	36	1.8%
1.2%	1,904	1,904	0	0.0%
2.5%	1,900	1,900	0	0.0%
3.7%	1,900	1,900	0	0.0%
4.9%	1,900	1,900	0	0.0%
6.2%	1,900	1,900	0	0.0%
7.4%	1,900	1,900	0	0.0%
8.6%	1,900	1,900	0	0.0%
9.9%	1,900	1,900	0	0.0%
11.1%	1,900	1,900	0	0.0%
12.3%	1,900	1,869	-31	-1.7%
13.6%	1,881	1,867	-14	-0.8%
14.8%	1,867	1,843	-24	-1.3%
16.0%	1,840	1,836	-3	-0.2%
17.3%	1,837	1,824	-13	-0.7%
18.5%	1,834	1,781	-53	-2.9%
19.8%	1,828	1,778	-50	-2.8%
21.0%	1,828	1,741	-87	-4.7%
22.2%	1,795	1,739	-56	-3.1%
23.5%	1,778	1,698	-80	-4.5%
24.7%	1,720	1,690	-30	-1.7%
25.9%	1,656	1,651	-5	-0.3%
27.2%	1,639	1,628	-11	-0.7%
28.4%	1,628	1,620	-8	-0.5%
29.6%	1,626	1,603	-23	-1.4%
30.9%	1,608	1,581	-27	-1.7%
32.1%	1,604	1,581	-23	-1.4%
33.3%	1,601	1,571	-31	-1.9%
34.6%	1,601	1,569	-32	-2.0%
35.8%	1,600	1,557	-43	-2.7%
37.0%	1,592	1,553	-39	-2.5%
38.3%	1,590	1,535	-55	-3.4%
39.5%	1,581	1,527	-54	-3.4%
40.7%	1,562	1,510	-52	-3.4%
42.0%	1,528	1,508	-20	-1.3%
43.2%	1,519	1,508	-11	-0.7%
44.4%	1,514	1,493	-21	-1.4%
45.7%	1,459	1,489	29	2.0%
46.9%	1,444	1,478	34	2.3%
48.1%	1,426	1,426	0	0.0%
49.4%	1,405	1,411	6	0.4%
50.6%	1,404	1,386	-18	-1.3%
51.9%	1,401	1,381	-20	-1.4%
53.1%	1,379	1,351	-28	-2.0%
54.3%	1,374	1,349	-25	-1.8%
55.6%	1,354	1,301	-52	-3.9%
56.8%	1,315	1,292	-24	-1.8%
58.0%	1,309	1,266	-43	-3.3%
59.3%	1,307	1,260	-46	-3.6%
60.5%	1,298	1,251	-47	-3.6%
61.7%	1,244	1,251	7	0.5%
63.0%	1,237	1,232	-4	-0.4%
64.2%	1,232	1,230	-2	-0.2%
65.4%	1,224	1,214	-10	-0.9%
66.7%	1,207	1,212	5	0.4%
67.9%	1,206	1,208	2	0.2%
69.1%	1,185	1,197	12	1.0%
70.4%	1,173	1,188	15	1.3%
71.6%	1,167	1,178	11	1.0%
72.8%	1,141	1,176	35	3.1%
74.1%	1,122	1,173	52	4.6%
75.3%	1,116	1,148	32	2.9%
76.5%	1,114	1,138	24	2.1%
77.8%	1,105	1,115	10	0.9%
79.0%	1,090	1,100	10	0.9%
80.2%	1,013	1,070	57	5.6%
81.5%	1,000	1,053	53	5.3%
82.7%	1,000	1,027	27	2.7%
84.0%	987	1,022	35	3.5%
85.2%	965	989	24	2.5%
86.4%	940	960	20	2.2%
87.7%	876	910	34	3.9%
88.9%	874	888	15	1.7%
90.1%	811	870	59	7.3%
91.4%	804	861	57	7.1%
92.6%	790	840	50	6.3%
93.8%	757	811	54	7.1%
95.1%	756	763	7	0.9%
96.3%	700	751	51	7.2%
97.5%	616	713	97	15.7%
98.8%	492	591	98	20.0%
100.0%	299	440	141	47.2%

Table SW-01-b

Trinity Lake, End of Month Storage

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,124	2,034	-90	-4.2%
1.2%	2,000	2,000	0	0.0%
2.5%	2,000	2,000	0	0.0%
3.7%	2,000	2,000	0	0.0%
4.9%	2,000	2,000	0	0.0%
6.2%	2,000	2,000	0	0.0%
7.4%	2,000	2,000	0	0.0%
8.6%	2,000	2,000	0	0.0%
9.9%	2,000	2,000	0	0.0%
11.1%	2,000	2,000	0	0.0%
12.3%	2,000	2,000	0	0.0%
13.6%	2,000	2,000	0	0.0%
14.8%	2,000	2,000	0	0.0%
16.0%	2,000	2,000	0	0.0%
17.3%	2,000	2,000	0	0.0%
18.5%	2,000	2,000	0	0.0%
19.8%	2,000	2,000	0	0.0%
21.0%	2,000	2,000	0	0.0%
22.2%	2,000	1,996	-4	-0.2%
23.5%	1,996	1,986	-9	-0.5%
24.7%	1,974	1,977	3	0.2%
25.9%	1,969	1,922	-47	-2.4%
27.2%	1,968	1,916	-52	-2.6%
28.4%	1,952	1,907	-45	-2.3%
29.6%	1,930	1,902	-28	-1.4%
30.9%	1,922	1,889	-33	-1.7%
32.1%	1,887	1,871	-16	-0.8%
33.3%	1,880	1,859	-21	-1.1%
34.6%	1,855	1,833	-22	-1.2%
35.8%	1,826	1,826	1	0.0%
37.0%	1,792	1,792	0	0.0%
38.3%	1,765	1,771	6	0.3%
39.5%	1,751	1,751	0	0.0%
40.7%	1,738	1,733	-5	-0.3%
42.0%	1,723	1,666	-57	-3.3%
43.2%	1,695	1,655	-41	-2.4%
44.4%	1,686	1,647	-40	-2.3%
45.7%	1,615	1,631	16	1.0%
46.9%	1,598	1,613	15	0.9%
48.1%	1,598	1,601	3	0.2%
49.4%	1,582	1,575	-7	-0.5%
50.6%	1,577	1,569	-7	-0.4%
51.9%	1,568	1,563	-6	-0.4%
53.1%	1,561	1,561	0	0.0%
54.3%	1,550	1,558	8	0.5%
55.6%	1,549	1,530	-19	-1.2%
56.8%	1,540	1,507	-32	-2.1%
58.0%	1,538	1,495	-43	-2.8%
59.3%	1,523	1,462	-61	-4.0%
60.5%	1,493	1,462	-30	-2.0%
61.7%	1,430	1,462	32	2.2%
63.0%	1,427	1,407	-20	-1.4%
64.2%	1,413	1,377	-36	-2.5%
65.4%	1,401	1,367	-34	-2.4%
66.7%	1,396	1,365	-31	-2.2%
67.9%	1,378	1,365	-13	-0.9%
69.1%	1,369	1,363	-6	-0.5%
70.4%	1,351	1,355	5	0.3%
71.6%	1,350	1,349	-1	0.0%
72.8%	1,334	1,348	14	1.1%
74.1%	1,326	1,344	18	1.3%
75.3%	1,292	1,321	29	2.2%
76.5%	1,291	1,293	2	0.1%
77.8%	1,269	1,293	23	1.8%
79.0%	1,238	1,285	47	3.8%
80.2%	1,212	1,267	54	4.5%
81.5%	1,160	1,206	46	3.9%
82.7%	1,157	1,191	34	3.0%
84.0%	1,153	1,171	18	1.6%
85.2%	1,152	1,167	15	1.3%
86.4%	1,118	1,125	7	0.6%
87.7%	1,087	1,101	14	1.3%
88.9%	971	1,026	54	5.6%
90.1%	924	946	22	2.4%
91.4%	859	913	54	6.3%
92.6%	849	888	39	4.6%
93.8%	811	861	50	6.1%
95.1%	782	854	72	9.2%
96.3%	741	788	48	6.4%
97.5%	706	786	80	11.3%
98.8%	620	761	141	22.8%
100.0%	499	500	1	0.1%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,264	2,264	0	0.0%
1.2%	2,100	2,100	0	0.0%
2.5%	2,100	2,100	0	0.0%
3.7%	2,100	2,100	0	0.0%
4.9%	2,100	2,100	0	0.0%
6.2%	2,100	2,100	0	0.0%
7.4%	2,100	2,100	0	0.0%
8.6%	2,100	2,100	0	0.0%
9.9%	2,100	2,100	0	0.0%
11.1%	2,100	2,100	0	0.0%
12.3%	2,100	2,100	0	0.0%
13.6%	2,100	2,100	0	0.0%
14.8%	2,100	2,100	0	0.0%
16.0%	2,100	2,100	0	0.0%
17.3%	2,100	2,100	0	0.0%
18.5%	2,100	2,100	0	0.0%
19.8%	2,100	2,100	0	0.0%
21.0%	2,100	2,100	0	0.0%
22.2%	2,100	2,100	0	0.0%
23.5%	2,100	2,100	0	0.0%
24.7%	2,100	2,096	-4	-0.2%
25.9%	2,098	2,089	-9	-0.4%
27.2%	2,096	2,073	-24	-1.1%
28.4%	2,067	2,071	4	0.2%
29.6%	2,056	2,056	0	0.0%
30.9%	2,050	2,050	0	0.0%
32.1%	2,050	2,020	-30	-1.5%
33.3%	2,044	2,017	-27	-1.3%
34.6%	2,034	1,991	-44	-2.1%
35.8%	2,014	1,990	-24	-1.2%
37.0%	1,988	1,980	-8	-0.4%
38.3%	1,966	1,972	6	0.3%
39.5%	1,963	1,933	-30	-1.5%
40.7%	1,955	1,927	-28	-1.4%
42.0%	1,943	1,911	-32	-1.7%
43.2%	1,907	1,907	0	0.0%
44.4%	1,849	1,844	-4	-0.2%
45.7%	1,837	1,840	3	0.1%
46.9%	1,800	1,828	28	1.6%
48.1%	1,781	1,800	18	1.0%
49.4%	1,761	1,777	15	0.9%
50.6%	1,733	1,731	-1	-0.1%
51.9%	1,727	1,701	-26	-1.5%
53.1%	1,720	1,697	-23	-1.3%
54.3%	1,713	1,687	-26	-1.5%
55.6%	1,703	1,684	-19	-1.1%
56.8%	1,698	1,683	-15	-0.9%
58.0%	1,676	1,679	3	0.2%
59.3%	1,653	1,631	-21	-1.3%
60.5%	1,628	1,596	-32	-2.0%
61.7%	1,574	1,563	-10	-0.7%
63.0%	1,571	1,559	-12	-0.8%
64.2%	1,559	1,550	-9	-0.6%
65.4%	1,556	1,544	-12	-0.8%
66.7%	1,543	1,531	-13	-0.8%
67.9%	1,539	1,522	-17	-1.1%
69.1%	1,532	1,522	-10	-0.7%
70.4%	1,503	1,514	11	0.7%
71.6%	1,495	1,496	1	0.1%
72.8%	1,451	1,479	28	1.9%
74.1%	1,423	1,454	31	2.2%
75.3%	1,422	1,436	14	1.0%
76.5%	1,413	1,413	0	0.0%
77.8%	1,411	1,411	0	0.0%
79.0%	1,396	1,402	6	0.4%
80.2%	1,323	1,371	48	3.6%
81.5%	1,318	1,320	2	0.2%
82.7%	1,305	1,302	-4	-0.3%
84.0%	1,296	1,300	3	0.2%
85.2%	1,228	1,291	63	5.1%
86.4%	1,161	1,276	115	9.9%
87.7%	1,156	1,258	102	8.8%
88.9%	1,115	1,125	10	0.9%
90.1%	1,111	1,124	13	1.1%
91.4%	1,001	1,122	120	12.0%
92.6%	983	1,037	54	5.5%
93.8%	915	974	59	6.4%
95.1%	898	944	45	5.0%
96.3%	871	910	39	4.5%
97.5%	854	877	23	2.7%
98.8%	833	846	13	1.5%
100.0%	605	605	1	0.1%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,300	2,300	0	0.0%
1.2%	2,300	2,300	0	0.0%
2.5%	2,300	2,300	0	0.0%
3.7%	2,300	2,300	0	0.0%
4.9%	2,300	2,300	0	0.0%
6.2%	2,300	2,300	0	0.0%
7.4%	2,300	2,300	0	0.0%
8.6%	2,297	2,300	3	0.1%
9.9%	2,292	2,292	0	0.0%
11.1%	2,290	2,289	0	0.0%
12.3%	2,289	2,288	-1	-0.1%
13.6%	2,248	2,250	3	0.1%
14.8%	2,245	2,246	1	0.0%
16.0%	2,237	2,237	0	0.0%
17.3%	2,235	2,231	-3	-0.1%
18.5%	2,230	2,230	0	0.0%
19.8%	2,208	2,194	-14	-0.6%
21.0%	2,205	2,190	-15	-0.7%
22.2%	2,194	2,189	-5	-0.2%
23.5%	2,190	2,186	-4	-0.2%
24.7%	2,189	2,183	-5	-0.2%
25.9%	2,186	2,175	-11	-0.5%
27.2%	2,186	2,163	-23	-1.1%
28.4%	2,185	2,161	-24	-1.1%
29.6%	2,183	2,159	-25	-1.1%
30.9%	2,180	2,153	-28	-1.3%
32.1%	2,165	2,126	-40	-1.8%
33.3%	2,161	2,124	-37	-1.7%
34.6%	2,128	2,119	-9	-0.4%
35.8%	2,126	2,118	-8	-0.4%
37.0%	2,119	2,112	-7	-0.3%
38.3%	2,111	2,107	-4	-0.2%
39.5%	2,097	2,088	-9	-0.4%
40.7%	2,059	2,062	3	0.2%
42.0%	2,039	2,043	4	0.2%
43.2%	2,021	2,027	6	0.3%
44.4%	2,019	2,022	3	0.1%
45.7%	2,013	2,017	3	0.2%
46.9%	2,013	2,013	1	0.0%
48.1%	1,971	1,988	17	0.9%
49.4%	1,899	1,933	35	1.8%
50.6%	1,870	1,890	20	1.1%
51.9%	1,857	1,879	22	1.2%
53.1%	1,836	1,851	16	0.9%
54.3%	1,827	1,779	-48	-2.6%
55.6%	1,792	1,773	-19	-1.1%
56.8%	1,788	1,761	-26	-1.5%
58.0%	1,764	1,729	-35	-2.0%
59.3%	1,758	1,699	-59	-3.4%
60.5%	1,741	1,680	-61	-3.5%
61.7%	1,688	1,677	-11	-0.7%
63.0%	1,681	1,674	-8	-0.4%
64.2%	1,670	1,673	3	0.2%
65.4%	1,657	1,664	7	0.4%
66.7%	1,654	1,662	8	0.5%
67.9%	1,630	1,651	21	1.3%
69.1%	1,624	1,641	18	1.1%
70.4%	1,603	1,640	37	2.3%
71.6%	1,598	1,621	24	1.5%
72.8%	1,580	1,607	27	1.7%
74.1%	1,572	1,581	9	0.5%
75.3%	1,542	1,534	-8	-0.5%
76.5%	1,527	1,527	1	0.1%
77.8%	1,512	1,526	14	0.9%
79.0%	1,479	1,493	14	1.0%
80.2%	1,459	1,481	23	1.6%
81.5%	1,419	1,436	17	1.2%
82.7%	1,397	1,419	22	1.6%
84.0%	1,374	1,411	37	2.7%
85.2%	1,371	1,400	29	2.1%
86.4%	1,339	1,383	43	3.2%
87.7%	1,236	1,349	114	9.2%
88.9%	1,157	1,171	14	1.2%
90.1%	1,136	1,155	19	1.7%
91.4%	1,101	1,150	49	4.4%
92.6%	1,046	1,128	82	7.8%
93.8%	1,000	1,091	91	9.1%
95.1%	929	1,000	71	7.7%
96.3%	878	920	42	4.8%
97.5%	865	884	20	2.3%
98.8%	850	781	-69	-8.1%
100.0%	648	649	1	0.1%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,339	2,339	0	0.0%
1.2%	2,311	2,314	3	0.1%
2.5%	2,282	2,282	1	0.0%
3.7%	2,252	2,252	0	0.0%
4.9%	2,216	2,216	0	0.0%
6.2%	2,195	2,194	-2	-0.1%
7.4%	2,185	2,185	0	0.0%
8.6%	2,169	2,166	-3	-0.2%
9.9%	2,155	2,155	0	0.0%
11.1%	2,152	2,152	0	0.0%
12.3%	2,139	2,139	0	0.0%
13.6%	2,136	2,136	0	0.0%
14.8%	2,128	2,131	3	0.1%
16.0%	2,120	2,120	0	0.0%
17.3%	2,117	2,102	-15	-0.7%
18.5%	2,102	2,079	-23	-1.1%
19.8%	2,079	2,070	-9	-0.4%
21.0%	2,046	2,046	0	0.0%
22.2%	2,039	2,029	-9	-0.5%
23.5%	2,029	2,027	-2	-0.1%
24.7%	2,027	2,026	-1	-0.1%
25.9%	2,026	2,018	-9	-0.4%
27.2%	2,018	2,015	-3	-0.2%
28.4%	2,017	2,005	-13	-0.6%
29.6%	2,015	2,002	-12	-0.6%
30.9%	2,005	1,974	-31	-1.5%
32.1%	2,005	1,945	-59	-3.0%
33.3%	2,003	1,940	-63	-3.1%
34.6%	1,925	1,935	11	0.6%
35.8%	1,911	1,911	0	0.0%
37.0%	1,911	1,900	-11	-0.6%
38.3%	1,909	1,877	-32	-1.7%
39.5%	1,899	1,876	-23	-1.2%
40.7%	1,869	1,869	0	0.0%
42.0%	1,849	1,866	16	0.9%
43.2%	1,841	1,864	22	1.2%
44.4%	1,838	1,844	6	0.3%
45.7%	1,804	1,838	34	1.9%
46.9%	1,780	1,813	33	1.9%
48.1%	1,776	1,805	29	1.6%
49.4%	1,769	1,750	-18	-1.0%
50.6%	1,729	1,736	8	0.4%
51.9%	1,702	1,709	7	0.4%
53.1%	1,687	1,698	11	0.6%
54.3%	1,649	1,637	-12	-0.7%
55.6%	1,635	1,628	-7	-0.4%
56.8%	1,632	1,624	-8	-0.5%
58.0%	1,626	1,618	-8	-0.5%
59.3%	1,618	1,613	-5	-0.3%
60.5%	1,605	1,609	4	0.2%
61.7%	1,589	1,601	11	0.7%
63.0%	1,589	1,586	-2	-0.2%
64.2%	1,581	1,558	-23	-1.5%
65.4%	1,574	1,534	-40	-2.5%
66.7%	1,572	1,530	-43	-2.7%
67.9%	1,555	1,520	-34	-2.2%
69.1%	1,541	1,514	-27	-1.8%
70.4%	1,535	1,508	-27	-1.8%
71.6%	1,502	1,506	5	0.3%
72.8%	1,490	1,485	-5	-0.3%
74.1%	1,459	1,484	25	1.7%
75.3%	1,447	1,453	6	0.4%
76.5%	1,442	1,447	5	0.4%
77.8%	1,367	1,381	14	1.0%
79.0%	1,340	1,354	14	1.0%
80.2%	1,329	1,348	19	1.4%
81.5%	1,323	1,337	14	1.1%
82.7%	1,287	1,329	42	3.3%
84.0%	1,271	1,302	32	2.5%
85.2%	1,247	1,274	27	2.2%
86.4%	1,206	1,267	61	5.0%
87.7%	1,092	1,265	173	15.8%
88.9%	1,074	1,128	54	5.0%
90.1%	1,070	1,112	42	3.9%
91.4%	1,067	1,087	20	1.9%
92.6%	1,055	1,084	29	2.8%
93.8%	917	1,029	111	12.2%
95.1%	829	835	6	0.8%
96.3%	771	829	58	7.5%
97.5%	758	826	69	9.0%
98.8%	684	657	-27	-3.9%
100.0%	650	603	-46	-7.1%

Table SW-01-b

Trinity Lake, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,347	2,347	0	0.0%
1.2%	2,181	2,182	1	0.0%
2.5%	2,178	2,180	3	0.1%
3.7%	2,080	2,078	-2	-0.1%
4.9%	2,067	2,065	-2	-0.1%
6.2%	2,030	2,030	0	0.0%
7.4%	2,014	2,014	0	0.0%
8.6%	1,995	1,995	0	0.0%
9.9%	1,992	1,995	3	0.1%
11.1%	1,987	1,989	2	0.1%
12.3%	1,982	1,987	5	0.2%
13.6%	1,982	1,982	0	0.0%
14.8%	1,971	1,982	11	0.6%
16.0%	1,955	1,971	16	0.8%
17.3%	1,955	1,955	0	0.0%
18.5%	1,944	1,918	-26	-1.3%
19.8%	1,916	1,916	0	0.0%
21.0%	1,916	1,915	0	0.0%
22.2%	1,915	1,903	-11	-0.6%
23.5%	1,903	1,902	-1	-0.1%
24.7%	1,902	1,883	-19	-1.0%
25.9%	1,901	1,872	-29	-1.5%
27.2%	1,886	1,864	-22	-1.2%
28.4%	1,883	1,846	-36	-1.9%
29.6%	1,870	1,845	-25	-1.4%
30.9%	1,847	1,838	-10	-0.5%
32.1%	1,845	1,826	-19	-1.0%
33.3%	1,807	1,788	-19	-1.1%
34.6%	1,801	1,785	-15	-0.8%
35.8%	1,792	1,781	-11	-0.6%
37.0%	1,788	1,758	-30	-1.7%
38.3%	1,758	1,755	-2	-0.1%
39.5%	1,713	1,750	37	2.1%
40.7%	1,711	1,715	4	0.2%
42.0%	1,686	1,710	24	1.4%
43.2%	1,686	1,684	-2	-0.1%
44.4%	1,685	1,671	-14	-0.8%
45.7%	1,623	1,645	23	1.4%
46.9%	1,623	1,641	18	1.1%
48.1%	1,621	1,637	16	1.0%
49.4%	1,619	1,634	15	0.9%
50.6%	1,618	1,618	0	0.0%
51.9%	1,593	1,590	-4	-0.2%
53.1%	1,586	1,587	1	0.1%
54.3%	1,580	1,566	-13	-0.8%
55.6%	1,571	1,555	-15	-1.0%
56.8%	1,566	1,552	-14	-0.9%
58.0%	1,540	1,545	6	0.4%
59.3%	1,526	1,543	17	1.1%
60.5%	1,524	1,535	11	0.7%
61.7%	1,516	1,519	4	0.2%
63.0%	1,509	1,494	-15	-1.0%
64.2%	1,493	1,450	-43	-2.9%
65.4%	1,460	1,441	-18	-1.3%
66.7%	1,454	1,441	-13	-0.9%
67.9%	1,434	1,429	-5	-0.4%
69.1%	1,397	1,425	28	2.0%
70.4%	1,395	1,396	2	0.1%
71.6%	1,366	1,392	26	1.9%
72.8%	1,359	1,381	22	1.6%
74.1%	1,351	1,377	26	1.9%
75.3%	1,333	1,364	31	2.3%
76.5%	1,323	1,300	-23	-1.7%
77.8%	1,309	1,286	-23	-1.8%
79.0%	1,271	1,274	4	0.3%
80.2%	1,252	1,252	0	0.0%
81.5%	1,226	1,236	10	0.8%
82.7%	1,163	1,214	51	4.4%
84.0%	1,138	1,190	52	4.6%
85.2%	1,134	1,167	33	2.9%
86.4%	1,129	1,166	37	3.3%
87.7%	1,072	1,117	45	4.2%
88.9%	1,056	1,101	45	4.2%
90.1%	1,041	1,088	46	4.4%
91.4%	992	1,070	78	7.8%
92.6%	968	1,065	97	10.0%
93.8%	896	966	71	7.9%
95.1%	861	867	6	0.7%
96.3%	748	803	55	7.4%
97.5%	732	802	71	9.7%
98.8%	571	617	47	8.2%
100.0%	460	483	23	5.0%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,270	2,247	-23	-1.0%
1.2%	2,041	2,131	90	4.4%
2.5%	2,023	2,026	3	0.1%
3.7%	1,963	1,919	-43	-2.2%
4.9%	1,884	1,884	0	0.0%
6.2%	1,878	1,881	3	0.2%
7.4%	1,867	1,873	7	0.4%
8.6%	1,863	1,867	3	0.2%
9.9%	1,862	1,863	1	0.1%
11.1%	1,858	1,862	4	0.2%
12.3%	1,852	1,858	6	0.3%
13.6%	1,837	1,850	13	0.7%
14.8%	1,833	1,829	-4	-0.2%
16.0%	1,832	1,827	-5	-0.3%
17.3%	1,817	1,820	2	0.1%
18.5%	1,804	1,817	13	0.7%
19.8%	1,779	1,814	34	1.9%
21.0%	1,766	1,759	-7	-0.4%
22.2%	1,765	1,741	-23	-1.3%
23.5%	1,741	1,723	-18	-1.1%
24.7%	1,737	1,718	-19	-1.1%
25.9%	1,717	1,718	1	0.1%
27.2%	1,697	1,697	0	0.0%
28.4%	1,692	1,689	-4	-0.2%
29.6%	1,691	1,685	-7	-0.4%
30.9%	1,691	1,677	-14	-0.8%
32.1%	1,687	1,673	-15	-0.9%
33.3%	1,654	1,668	14	0.8%
34.6%	1,609	1,648	40	2.5%
35.8%	1,595	1,628	33	2.1%
37.0%	1,580	1,602	22	1.4%
38.3%	1,576	1,595	20	1.2%
39.5%	1,567	1,563	-4	-0.3%
40.7%	1,555	1,555	0	0.0%
42.0%	1,521	1,538	17	1.1%
43.2%	1,508	1,508	-1	0.0%
44.4%	1,492	1,485	-7	-0.5%
45.7%	1,482	1,477	-5	-0.3%
46.9%	1,475	1,461	-14	-1.0%
48.1%	1,463	1,449	-14	-1.0%
49.4%	1,430	1,416	-14	-1.0%
50.6%	1,427	1,406	-22	-1.5%
51.9%	1,411	1,402	-9	-0.6%
53.1%	1,406	1,401	-5	-0.3%
54.3%	1,403	1,398	-5	-0.4%
55.6%	1,402	1,393	-9	-0.6%
56.8%	1,399	1,378	-21	-1.5%
58.0%	1,398	1,375	-23	-1.6%
59.3%	1,389	1,368	-22	-1.6%
60.5%	1,372	1,368	-5	-0.4%
61.7%	1,360	1,365	4	0.3%
63.0%	1,353	1,364	10	0.8%
64.2%	1,325	1,344	19	1.4%
65.4%	1,317	1,337	20	1.5%
66.7%	1,284	1,313	30	2.3%
67.9%	1,281	1,313	32	2.5%
69.1%	1,275	1,285	11	0.8%
70.4%	1,220	1,264	44	3.6%
71.6%	1,206	1,243	37	3.1%
72.8%	1,191	1,208	17	1.4%
74.1%	1,183	1,202	19	1.6%
75.3%	1,170	1,165	-5	-0.5%
76.5%	1,160	1,125	-35	-3.0%
77.8%	1,125	1,078	-47	-4.2%
79.0%	1,088	1,071	-17	-1.6%
80.2%	1,071	1,054	-17	-1.6%
81.5%	1,020	1,049	29	2.9%
82.7%	1,006	1,035	30	3.0%
84.0%	985	1,012	27	2.7%
85.2%	967	1,011	43	4.5%
86.4%	966	993	27	2.8%
87.7%	949	970	21	2.2%
88.9%	932	965	33	3.5%
90.1%	873	963	90	10.3%
91.4%	823	955	132	16.0%
92.6%	814	899	86	10.6%
93.8%	787	847	60	7.6%
95.1%	765	771	6	0.8%
96.3%	629	684	55	8.7%
97.5%	522	641	119	22.8%
98.8%	520	553	33	6.4%
100.0%	240	256	16	6.8%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,150	2,147	-3	-0.2%
1.2%	1,991	2,011	20	1.0%
2.5%	1,858	1,845	-12	-0.7%
3.7%	1,843	1,770	-73	-3.9%
4.9%	1,779	1,748	-31	-1.7%
6.2%	1,729	1,746	17	1.0%
7.4%	1,721	1,734	12	0.7%
8.6%	1,718	1,730	12	0.7%
9.9%	1,716	1,721	5	0.3%
11.1%	1,713	1,718	5	0.3%
12.3%	1,708	1,716	8	0.4%
13.6%	1,697	1,709	12	0.7%
14.8%	1,688	1,697	9	0.5%
16.0%	1,681	1,676	-5	-0.3%
17.3%	1,681	1,661	-19	-1.2%
18.5%	1,654	1,648	-6	-0.4%
19.8%	1,628	1,640	11	0.7%
21.0%	1,613	1,573	-40	-2.5%
22.2%	1,613	1,569	-44	-2.7%
23.5%	1,592	1,561	-31	-1.9%
24.7%	1,586	1,539	-47	-3.0%
25.9%	1,552	1,531	-21	-1.3%
27.2%	1,541	1,517	-25	-1.6%
28.4%	1,537	1,505	-32	-2.1%
29.6%	1,524	1,505	-20	-1.3%
30.9%	1,517	1,496	-21	-1.4%
32.1%	1,478	1,492	14	1.0%
33.3%	1,469	1,490	20	1.4%
34.6%	1,460	1,457	-3	-0.2%
35.8%	1,442	1,422	-20	-1.4%
37.0%	1,430	1,413	-17	-1.2%
38.3%	1,428	1,384	-44	-3.1%
39.5%	1,426	1,381	-45	-3.2%
40.7%	1,355	1,371	16	1.2%
42.0%	1,344	1,336	-8	-0.6%
43.2%	1,339	1,326	-13	-1.0%
44.4%	1,339	1,303	-35	-2.6%
45.7%	1,326	1,291	-35	-2.6%
46.9%	1,296	1,290	-6	-0.5%
48.1%	1,296	1,279	-17	-1.3%
49.4%	1,280	1,270	-9	-0.7%
50.6%	1,267	1,269	2	0.2%
51.9%	1,251	1,247	-4	-0.3%
53.1%	1,240	1,235	-5	-0.4%
54.3%	1,239	1,234	-5	-0.4%
55.6%	1,236	1,215	-21	-1.7%
56.8%	1,235	1,212	-23	-1.8%
58.0%	1,232	1,205	-27	-2.2%
59.3%	1,225	1,202	-22	-1.8%
60.5%	1,219	1,201	-18	-1.5%
61.7%	1,198	1,200	1	0.1%
63.0%	1,171	1,198	27	2.3%
64.2%	1,168	1,186	18	1.6%
65.4%	1,149	1,175	25	2.2%
66.7%	1,142	1,166	24	2.1%
67.9%	1,136	1,133	-3	-0.2%
69.1%	1,123	1,113	-9	-0.8%
70.4%	1,117	1,085	-32	-2.8%
71.6%	1,074	1,050	-24	-2.3%
72.8%	1,065	1,015	-49	-4.6%
74.1%	986	1,006	20	2.1%
75.3%	982	978	-4	-0.4%
76.5%	963	956	-7	-0.8%
77.8%	953	953	0	0.0%
79.0%	919	948	29	3.2%
80.2%	899	919	20	2.3%
81.5%	869	894	25	2.8%
82.7%	863	879	16	1.9%
84.0%	850	877	27	3.2%
85.2%	832	839	6	0.8%
86.4%	816	828	13	1.5%
87.7%	780	817	37	4.7%
88.9%	759	804	45	5.9%
90.1%	758	774	16	2.1%
91.4%	700	748	48	6.9%
92.6%	697	745	47	6.8%
93.8%	671	732	61	9.1%
95.1%	656	663	6	0.9%
96.3%	588	642	55	9.3%
97.5%	377	500	123	32.6%
98.8%	297	454	157	52.7%
100.0%	240	240	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	1,975	1,975	0	0.0%
1.2%	1,877	1,897	20	1.1%
2.5%	1,748	1,702	-46	-2.6%
3.7%	1,699	1,623	-76	-4.5%
4.9%	1,683	1,606	-77	-4.6%
6.2%	1,579	1,591	12	0.7%
7.4%	1,578	1,586	8	0.5%
8.6%	1,575	1,579	5	0.3%
9.9%	1,573	1,572	-1	-0.1%
11.1%	1,570	1,566	-4	-0.3%
12.3%	1,565	1,558	-6	-0.4%
13.6%	1,553	1,545	-8	-0.5%
14.8%	1,545	1,533	-12	-0.8%
16.0%	1,514	1,523	10	0.6%
17.3%	1,512	1,489	-23	-1.5%
18.5%	1,508	1,475	-33	-2.2%
19.8%	1,486	1,468	-18	-1.2%
21.0%	1,469	1,426	-44	-3.0%
22.2%	1,443	1,400	-43	-3.0%
23.5%	1,443	1,397	-45	-3.1%
24.7%	1,439	1,393	-46	-3.2%
25.9%	1,417	1,383	-34	-2.4%
27.2%	1,412	1,382	-30	-2.1%
28.4%	1,373	1,380	7	0.5%
29.6%	1,363	1,379	16	1.1%
30.9%	1,357	1,364	7	0.5%
32.1%	1,348	1,359	10	0.8%
33.3%	1,332	1,330	-1	-0.1%
34.6%	1,320	1,305	-15	-1.1%
35.8%	1,314	1,296	-17	-1.3%
37.0%	1,312	1,295	-17	-1.3%
38.3%	1,306	1,260	-46	-3.5%
39.5%	1,259	1,260	1	0.1%
40.7%	1,247	1,217	-29	-2.3%
42.0%	1,241	1,212	-29	-2.3%
43.2%	1,232	1,200	-33	-2.6%
44.4%	1,228	1,193	-36	-2.9%
45.7%	1,228	1,178	-51	-4.1%
46.9%	1,183	1,176	-8	-0.6%
48.1%	1,168	1,162	-6	-0.5%
49.4%	1,145	1,157	13	1.1%
50.6%	1,144	1,152	8	0.7%
51.9%	1,140	1,135	-4	-0.4%
53.1%	1,129	1,128	0	0.0%
54.3%	1,128	1,124	-4	-0.3%
55.6%	1,127	1,119	-7	-0.6%
56.8%	1,113	1,116	3	0.3%
58.0%	1,108	1,106	-2	-0.2%
59.3%	1,107	1,098	-10	-0.9%
60.5%	1,107	1,092	-15	-1.4%
61.7%	1,100	1,091	-9	-0.8%
63.0%	1,091	1,085	-6	-0.6%
64.2%	1,088	1,074	-14	-1.3%
65.4%	1,083	1,053	-31	-2.8%
66.7%	1,065	1,031	-34	-3.2%
67.9%	1,012	1,005	-7	-0.7%
69.1%	1,000	997	-3	-0.3%
70.4%	993	956	-38	-3.8%
71.6%	983	937	-45	-4.6%
72.8%	982	930	-52	-5.3%
74.1%	905	924	20	2.2%
75.3%	902	883	-19	-2.1%
76.5%	885	874	-12	-1.3%
77.8%	874	867	-6	-0.7%
79.0%	838	847	9	1.1%
80.2%	827	842	16	1.9%
81.5%	792	813	21	2.6%
82.7%	716	784	67	9.4%
84.0%	716	757	41	5.8%
85.2%	701	730	29	4.1%
86.4%	700	725	25	3.5%
87.7%	679	723	44	6.5%
88.9%	675	700	25	3.7%
90.1%	665	693	28	4.2%
91.4%	664	671	7	1.1%
92.6%	635	666	31	4.8%
93.8%	602	652	50	8.3%
95.1%	602	626	25	4.1%
96.3%	552	606	54	9.9%
97.5%	335	467	131	39.1%
98.8%	305	402	97	31.9%
100.0%	240	305	65	27.1%

Figure SW-02-b
Trinity Lake, End of Month Elevation
Probability of Exceedance

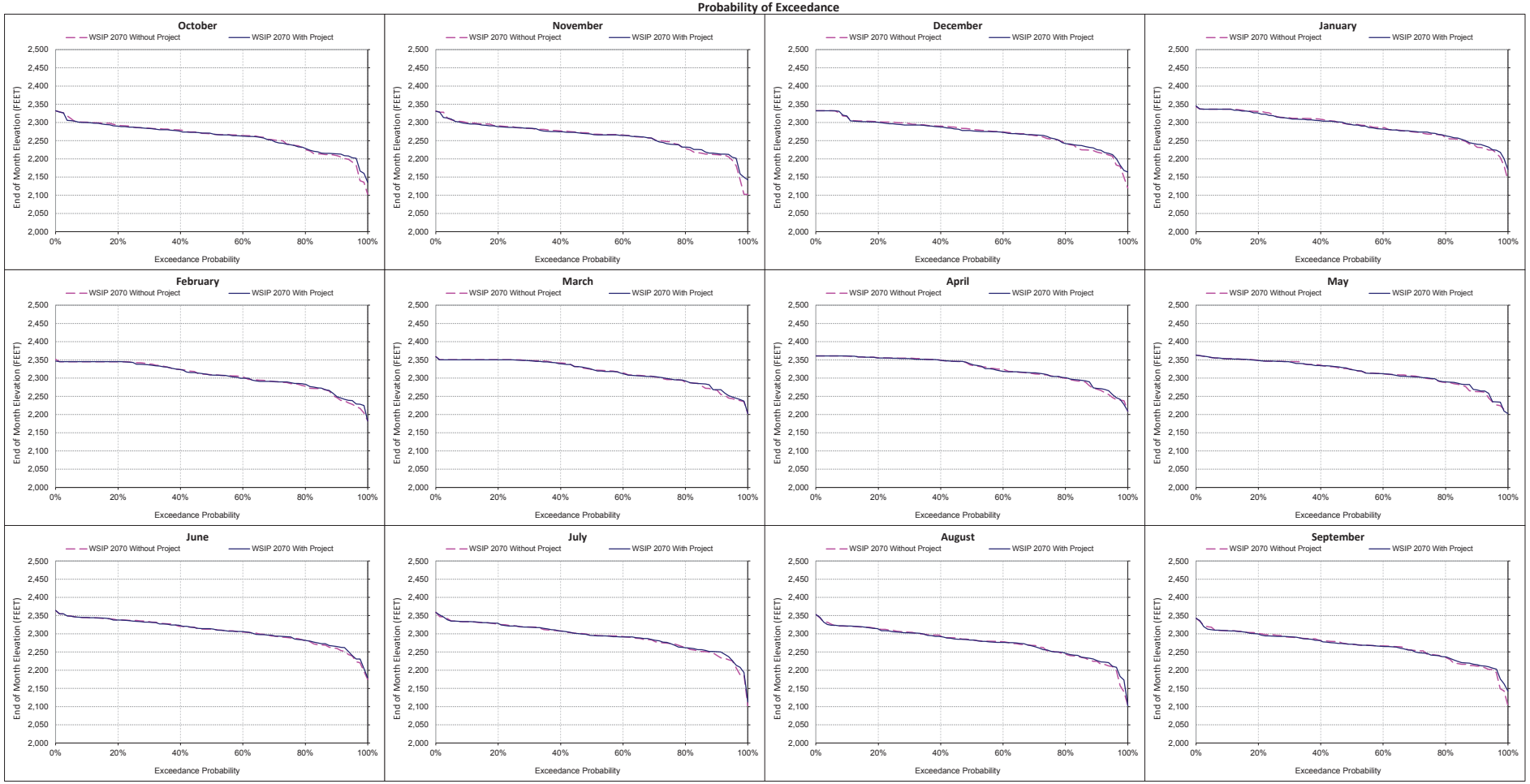


Table SW-02-b

Trinity Lake, End of Month Elevation
Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,329	2,328	-1	0.0%
2.5%	2,326	2,326	0	0.0%
3.7%	2,318	2,305	-13	-0.6%
4.9%	2,310	2,305	-5	-0.2%
6.2%	2,302	2,304	1	0.0%
7.4%	2,301	2,301	-1	0.0%
8.6%	2,301	2,300	-1	0.0%
9.9%	2,301	2,300	-1	0.0%
11.1%	2,300	2,300	-1	0.0%
12.3%	2,299	2,298	-1	-0.1%
13.6%	2,299	2,298	-1	-0.1%
14.8%	2,298	2,296	-3	-0.1%
16.0%	2,298	2,295	-3	-0.1%
17.3%	2,298	2,294	-4	-0.2%
18.5%	2,295	2,291	-4	-0.2%
19.8%	2,292	2,290	-2	-0.1%
21.0%	2,291	2,289	-2	-0.1%
22.2%	2,291	2,289	-2	-0.1%
23.5%	2,290	2,287	-3	-0.1%
24.7%	2,288	2,287	0	0.0%
25.9%	2,286	2,286	0	0.0%
27.2%	2,285	2,286	1	0.0%
28.4%	2,285	2,284	0	0.0%
29.6%	2,285	2,284	-1	0.0%
30.9%	2,283	2,283	0	0.0%
32.1%	2,283	2,282	-1	-0.1%
33.3%	2,283	2,280	-2	-0.1%
34.6%	2,282	2,280	-2	-0.1%
35.8%	2,282	2,280	-2	-0.1%
37.0%	2,280	2,279	-1	-0.1%
38.3%	2,280	2,278	-2	-0.1%
39.5%	2,280	2,276	-3	-0.2%
40.7%	2,278	2,274	-5	-0.2%
42.0%	2,275	2,273	-1	-0.1%
43.2%	2,274	2,273	-1	-0.1%
44.4%	2,274	2,273	-1	0.0%
45.7%	2,273	2,272	-1	0.0%
46.9%	2,270	2,271	1	0.0%
48.1%	2,270	2,270	1	0.0%
49.4%	2,269	2,270	1	0.1%
50.6%	2,268	2,268	1	0.0%
51.9%	2,267	2,267	0	0.0%
53.1%	2,266	2,266	0	0.0%
54.3%	2,266	2,266	0	0.0%
55.6%	2,266	2,265	-1	0.0%
56.8%	2,266	2,264	-2	-0.1%
58.0%	2,266	2,264	-2	-0.1%
59.3%	2,264	2,263	-1	0.0%
60.5%	2,264	2,262	-2	-0.1%
61.7%	2,264	2,262	-2	-0.1%
63.0%	2,263	2,261	-2	-0.1%
64.2%	2,263	2,261	-2	-0.1%
65.4%	2,260	2,259	-1	0.0%
66.7%	2,259	2,258	-2	-0.1%
67.9%	2,254	2,253	-1	0.0%
69.1%	2,253	2,251	-2	-0.1%
70.4%	2,251	2,247	-5	-0.2%
71.6%	2,251	2,244	-7	-0.3%
72.8%	2,250	2,243	-7	-0.3%
74.1%	2,241	2,240	-1	0.0%
75.3%	2,241	2,239	-2	-0.1%
76.5%	2,237	2,237	0	0.0%
77.8%	2,236	2,233	-3	-0.1%
79.0%	2,230	2,232	2	0.1%
80.2%	2,225	2,228	3	0.2%
81.5%	2,222	2,224	2	0.1%
82.7%	2,214	2,221	6	0.3%
84.0%	2,214	2,219	5	0.2%
85.2%	2,213	2,216	3	0.1%
86.4%	2,212	2,215	3	0.2%
87.7%	2,212	2,215	3	0.1%
88.9%	2,211	2,214	3	0.1%
90.1%	2,209	2,214	5	0.2%
91.4%	2,205	2,213	8	0.4%
92.6%	2,201	2,209	8	0.4%
93.8%	2,199	2,208	9	0.4%
95.1%	2,191	2,203	12	0.6%
96.3%	2,183	2,201	19	0.9%
97.5%	2,140	2,166	27	1.2%
98.8%	2,136	2,160	24	1.1%
100.0%	2,103	2,136	33	1.6%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,331	2,330	-1	0.0%
1.2%	2,328	2,328	0	0.0%
2.5%	2,328	2,313	-15	-0.6%
3.7%	2,312	2,312	0	0.0%
4.9%	2,307	2,309	2	0.1%
6.2%	2,305	2,303	-2	-0.1%
7.4%	2,303	2,301	-2	-0.1%
8.6%	2,302	2,298	-4	-0.2%
9.9%	2,300	2,297	-3	-0.1%
11.1%	2,299	2,296	-3	-0.1%
12.3%	2,299	2,296	-3	-0.1%
13.6%	2,296	2,295	-2	-0.1%
14.8%	2,296	2,293	-3	-0.1%
16.0%	2,296	2,292	-3	-0.2%
17.3%	2,296	2,291	-5	-0.2%
18.5%	2,292	2,291	-1	0.0%
19.8%	2,291	2,289	-2	-0.1%
21.0%	2,290	2,288	-2	-0.1%
22.2%	2,289	2,287	-2	-0.1%
23.5%	2,288	2,287	-2	-0.1%
24.7%	2,288	2,286	-2	-0.1%
25.9%	2,286	2,286	0	0.0%
27.2%	2,285	2,285	1	0.0%
28.4%	2,284	2,284	0	0.0%
29.6%	2,284	2,284	0	0.0%
30.9%	2,283	2,284	0	0.0%
32.1%	2,281	2,283	2	0.1%
33.3%	2,281	2,278	-2	-0.1%
34.6%	2,281	2,276	-4	-0.2%
35.8%	2,280	2,276	-4	-0.2%
37.0%	2,278	2,275	-3	-0.1%
38.3%	2,278	2,275	-3	-0.1%
39.5%	2,277	2,275	-3	-0.1%
40.7%	2,276	2,274	-2	-0.1%
42.0%	2,276	2,273	-3	-0.1%
43.2%	2,275	2,273	-2	-0.1%
44.4%	2,274	2,273	-1	0.0%
45.7%	2,273	2,272	-1	-0.1%
46.9%	2,272	2,270	-2	-0.1%
48.1%	2,272	2,269	-2	-0.1%
49.4%	2,270	2,269	-2	-0.1%
50.6%	2,268	2,267	-1	-0.1%
51.9%	2,268	2,266	-2	-0.1%
53.1%	2,267	2,266	-1	0.0%
54.3%	2,267	2,266	-1	0.0%
55.6%	2,267	2,266	-1	0.0%
56.8%	2,267	2,266	-1	0.0%
58.0%	2,267	2,266	-1	0.0%
59.3%	2,266	2,265	-1	-0.1%
60.5%	2,265	2,265	0	0.0%
61.7%	2,264	2,264	-1	0.0%
63.0%	2,263	2,262	-1	-0.1%
64.2%	2,261	2,261	1	0.0%
65.4%	2,260	2,261	1	0.0%
66.7%	2,260	2,260	0	0.0%
67.9%	2,258	2,258	0	0.0%
69.1%	2,257	2,257	1	0.0%
70.4%	2,252	2,251	-1	-0.1%
71.6%	2,250	2,246	-3	-0.1%
72.8%	2,249	2,245	-4	-0.2%
74.1%	2,248	2,242	-6	-0.3%
75.3%	2,247	2,240	-7	-0.3%
76.5%	2,242	2,239	-2	-0.1%
77.8%	2,239	2,239	0	0.0%
79.0%	2,231	2,232	2	0.1%
80.2%	2,228	2,232	4	0.2%
81.5%	2,225	2,232	7	0.3%
82.7%	2,218	2,226	8	0.3%
84.0%	2,217	2,226	9	0.4%
85.2%	2,216	2,225	9	0.4%
86.4%	2,213	2,219	6	0.3%
87.7%	2,213	2,216	3	0.2%
88.9%	2,212	2,216	4	0.2%
90.1%	2,212	2,215	3	0.1%
91.4%	2,210	2,213	2	0.1%
92.6%	2,210	2,213	3	0.1%
93.8%	2,206	2,213	7	0.3%
95.1%	2,196	2,204	9	0.4%
96.3%	2,181	2,202	21	1.0%
97.5%	2,142	2,159	16	0.8%
98.8%	2,103	2,150	47	2.2%
100.0%	2,103	2,142	40	1.9%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,332	2,332	0	0.0%
1.2%	2,332	2,332	0	0.0%
2.5%	2,332	2,332	0	0.0%
3.7%	2,332	2,332	0	0.0%
4.9%	2,332	2,332	0	0.0%
6.2%	2,332	2,332	0	0.0%
7.4%	2,327	2,331	4	0.2%
8.6%	2,318	2,320	2	0.1%
9.9%	2,317	2,318	1	0.0%
11.1%	2,306	2,305	-1	-0.1%
12.3%	2,305	2,304	-1	0.0%
13.6%	2,304	2,303	-1	-0.1%
14.8%	2,304	2,302	-2	-0.1%
16.0%	2,303	2,302	-1	-0.1%
17.3%	2,303	2,301	-2	-0.1%
18.5%	2,303	2,301	-1	-0.1%
19.8%	2,302	2,301	-1	0.0%
21.0%	2,301	2,299	-2	-0.1%
22.2%	2,301	2,298	-3	-0.1%
23.5%	2,301	2,296	-5	-0.2%
24.7%	2,301	2,296	-5	-0.2%
25.9%	2,300	2,295	-4	-0.2%
27.2%	2,299	2,294	-4	-0.2%
28.4%	2,299	2,293	-6	-0.2%
29.6%	2,297	2,293	-4	-0.2%
30.9%	2,295	2,293	-2	-0.1%
32.1%	2,295	2,293	-2	-0.1%
33.3%	2,294	2,293	-1	-0.1%
34.6%	2,294	2,292	-2	-0.1%
35.8%	2,292	2,291	-1	0.0%
37.0%	2,290	2,290	0	0.0%
38.3%	2,290	2,289	-2	-0.1%
39.5%	2,290	2,288	-2	-0.1%
40.7%	2,290	2,287	-3	-0.1%
42.0%	2,289	2,285	-4	-0.2%
43.2%	2,288	2,285	-3	-0.1%
44.4%	2,287	2,282	-5	-0.2%
45.7%	2,285	2,281	-4	-0.2%
46.9%	2,284	2,278	-6	-0.2%
48.1%	2,283	2,278	-6	-0.2%
49.4%	2,282	2,278	-4	-0.2%
50.6%	2,281	2,277	-4	-0.2%
51.9%	2,280	2,276	-4	-0.2%
53.1%	2,278	2,275	-3	-0.1%
54.3%	2,278	2,275	-3	-0.1%
55.6%	2,276	2,275	-1	-0.1%
56.8%	2,275	2,275	-1	0.0%
58.0%	2,275	2,274	-1	0.0%
59.3%	2,274	2,274	0	0.0%
60.5%	2,273	2,272	-1	-0.1%
61.7%	2,272	2,270	-3	-0.1%
63.0%	2,271	2,270	-2	-0.1%
64.2%	2,269	2,269	0	0.0%
65.4%	2,269	2,268	-1	0.0%
66.7%	2,269	2,268	-1	0.0%
67.9%	2,266	2,266	0	0.0%
69.1%	2,265	2,266	1	0.0%
70.4%	2,264	2,266	2	0.1%
71.6%	2,263	2,265	2	0.1%
72.8%	2,260	2,265	5	0.2%
74.1%	2,256	2,262	6	0.3%
75.3%	2,254	2,257	3	0.1%
76.5%	2,254	2,255	1	0.1%
77.8%	2,251	2,251	0	0.0%
79.0%	2,247	2,244	-3	-0.1%
80.2%	2,242	2,242	0	0.0%
81.5%	2,239	2,241	2	0.1%
82.7%	2,237	2,239	2	0.1%
84.0%	2,228	2,237	9	0.4%
85.2%	2,225	2,236	12	0.5%
86.4%	2,225	2,234	9	0.4%
87.7%	2,224	2,231	7	0.3%
88.9%	2,223	2,230	7	0.3%
90.1%	2,218	2,225	6	0.3%
91.4%	2,216	2,223	7	0.3%
92.6%	2,214	2,217	4	0.2%
93.8%	2,211	2,215	5	0.2%
95.1%	2,207	2,212	4	0.2%
96.3%	2,183	2,200	17	0.8%
97.5%	2,180	2,183	4	0.2%
98.8%	2,148	2,168	20	0.9%
100.0%	2,120	2,164	44	2.1%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,343	2,346	3	0.1%
1.2%	2,337	2,337	0	0.0%
2.5%	2,337	2,337	0	0.0%
3.7%	2,337	2,337	0	0.0%
4.9%	2,337	2,337	0	0.0%
6.2%	2,337	2,337	0	0.0%
7.4%	2,337	2,337	0	0.0%
8.6%	2,337	2,337	0	0.0%
9.9%	2,337	2,337	0	0.0%
11.1%	2,337	2,337	0	0.0%
12.3%	2,337	2,334	-3	-0.1%
13.6%	2,335	2,334	-1	-0.1%
14.8%	2,334	2,332	-2	-0.1%
16.0%	2,331	2,331	0	0.0%
17.3%	2,331	2,330	-1	0.0%
18.5%	2,331	2,326	-4	-0.2%
19.8%	2,330	2,326	-4	-0.2%
21.0%	2,330	2,323	-7	-0.3%
22.2%	2,328	2,323	-5	-0.2%
23.5%	2,326	2,319	-7	-0.3%
24.7%	2,321	2,319	-3	-0.1%
25.9%	2,316	2,315	0	0.0%
27.2%	2,314	2,313	-1	0.0%
28.4%	2,313	2,313	-1	0.0%
29.6%	2,313	2,311	-2	-0.1%
30.9%	2,312	2,309	-2	-0.1%
32.1%	2,311	2,309	-2	-0.1%
33.3%	2,311	2,309	-3	-0.1%
34.6%	2,311	2,308	-3	-0.1%
35.8%	2,311	2,307	-4	-0.2%
37.0%	2,310	2,307	-3	-0.1%
38.3%	2,310	2,306	-5	-0.2%
39.5%	2,309	2,305	-5	-0.2%
40.7%	2,308	2,303	-4	-0.2%
42.0%	2,305	2,303	-2	-0.1%
43.2%	2,304	2,303	-1	0.0%
44.4%	2,304	2,302	-2	-0.1%
45.7%	2,299	2,302	2	0.1%
46.9%	2,298	2,301	3	0.1%
48.1%	2,296	2,296	0	0.0%
49.4%	2,295	2,295	0	0.0%
50.6%	2,294	2,293	-2	-0.1%
51.9%	2,294	2,293	-2	-0.1%
53.1%	2,292	2,290	-2	-0.1%
54.3%	2,292	2,290	-2	-0.1%
55.6%	2,290	2,286	-4	-0.2%
56.8%	2,287	2,285	-2	-0.1%
58.0%	2,286	2,283	-4	-0.2%
59.3%	2,286	2,282	-4	-0.2%
60.5%	2,286	2,281	-4	-0.2%
61.7%	2,280	2,281	1	0.0%
63.0%	2,280	2,279	0	0.0%
64.2%	2,279	2,279	0	0.0%
65.4%	2,278	2,277	-1	0.0%
66.7%	2,277	2,277	0	0.0%
67.9%	2,277	2,277	0	0.0%
69.1%	2,275	2,276	1	0.1%
70.4%	2,273	2,275	1	0.1%
71.6%	2,273	2,274	1	0.0%
72.8%	2,270	2,274	4	0.2%
74.1%	2,268	2,273	5	0.2%
75.3%	2,268	2,271	3	0.1%
76.5%	2,267	2,270	2	0.1%
77.8%	2,267	2,267	1	0.0%
79.0%	2,265	2,266	1	0.0%
80.2%	2,256	2,263	7	0.3%
81.5%	2,255	2,261	6	0.3%
82.7%	2,255	2,258	3	0.1%
84.0%	2,253	2,257	4	0.2%
85.2%	2,251	2,254	3	0.1%
86.4%	2,248	2,250	2	0.1%
87.7%	2,241	2,245	4	0.2%
88.9%	2,241	2,242	2	0.1%
90.1%	2,232	2,240	8	0.4%
91.4%	2,231	2,239	8	0.4%
92.6%	2,229	2,236	7	0.3%
93.8%	2,224	2,232	8	0.3%
95.1%	2,224	2,225	1	0.0%
96.3%	2,216	2,223	7	0.3%
97.5%	2,204	2,218	14	0.6%
98.8%	2,181	2,201	19	0.9%
100.0%	2,141	2,171	29	1.4%

Table SW-02-b

Trinity Lake, End of Month Elevation
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,352	2,347	-5	-0.2%
1.2%	2,345	2,345	0	0.0%
2.5%	2,345	2,345	0	0.0%
3.7%	2,345	2,345	0	0.0%
4.9%	2,345	2,345	0	0.0%
6.2%	2,345	2,345	0	0.0%
7.4%	2,345	2,345	0	0.0%
8.6%	2,345	2,345	0	0.0%
9.9%	2,345	2,345	0	0.0%
11.1%	2,345	2,345	0	0.0%
12.3%	2,345	2,345	0	0.0%
13.6%	2,345	2,345	0	0.0%
14.8%	2,345	2,345	0	0.0%
16.0%	2,345	2,345	0	0.0%
17.3%	2,345	2,345	0	0.0%
18.5%	2,345	2,345	0	0.0%
19.8%	2,345	2,345	0	0.0%
21.0%	2,345	2,345	0	0.0%
22.2%	2,345	2,345	0	0.0%
23.5%	2,345	2,344	-1	0.0%
24.7%	2,343	2,343	0	0.0%
25.9%	2,342	2,338	-4	-0.2%
27.2%	2,342	2,338	-4	-0.2%
28.4%	2,341	2,337	-4	-0.2%
29.6%	2,339	2,337	-2	-0.1%
30.9%	2,338	2,336	-3	-0.1%
32.1%	2,335	2,334	-1	-0.1%
33.3%	2,335	2,333	-2	-0.1%
34.6%	2,333	2,331	-2	-0.1%
35.8%	2,330	2,330	0	0.0%
37.0%	2,327	2,327	0	0.0%
38.3%	2,325	2,326	1	0.0%
39.5%	2,324	2,324	0	0.0%
40.7%	2,323	2,322	0	0.0%
42.0%	2,321	2,317	-5	-0.2%
43.2%	2,319	2,316	-3	-0.1%
44.4%	2,318	2,315	-3	-0.1%
45.7%	2,312	2,314	1	0.1%
46.9%	2,311	2,312	1	0.1%
48.1%	2,311	2,311	0	0.0%
49.4%	2,309	2,309	-1	0.0%
50.6%	2,309	2,308	-1	0.0%
51.9%	2,308	2,308	0	0.0%
53.1%	2,308	2,308	0	0.0%
54.3%	2,307	2,307	1	0.0%
55.6%	2,307	2,305	-2	-0.1%
56.8%	2,306	2,303	-3	-0.1%
58.0%	2,306	2,302	-4	-0.2%
59.3%	2,305	2,299	-5	-0.2%
60.5%	2,302	2,299	-3	-0.1%
61.7%	2,297	2,299	3	0.1%
63.0%	2,296	2,295	-2	-0.1%
64.2%	2,295	2,292	-3	-0.1%
65.4%	2,294	2,291	-3	-0.1%
66.7%	2,294	2,291	-3	-0.1%
67.9%	2,292	2,291	-1	0.0%
69.1%	2,291	2,291	-1	0.0%
70.4%	2,290	2,290	0	0.0%
71.6%	2,290	2,290	0	0.0%
72.8%	2,289	2,290	1	0.1%
74.1%	2,288	2,289	2	0.1%
75.3%	2,285	2,287	2	0.1%
76.5%	2,285	2,285	0	0.0%
77.8%	2,283	2,285	2	0.1%
79.0%	2,280	2,284	5	0.2%
80.2%	2,277	2,283	5	0.2%
81.5%	2,272	2,277	5	0.2%
82.7%	2,272	2,275	3	0.2%
84.0%	2,271	2,273	2	0.1%
85.2%	2,271	2,273	2	0.1%
86.4%	2,268	2,269	1	0.0%
87.7%	2,265	2,266	1	0.1%
88.9%	2,252	2,258	6	0.3%
90.1%	2,246	2,249	3	0.1%
91.4%	2,239	2,245	6	0.3%
92.6%	2,237	2,242	5	0.2%
93.8%	2,232	2,239	7	0.3%
95.1%	2,228	2,238	10	0.5%
96.3%	2,222	2,229	7	0.3%
97.5%	2,217	2,228	11	0.5%
98.8%	2,205	2,225	20	0.9%
100.0%	2,183	2,183	0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,359	2,359	0	0.0%
1.2%	2,350	2,350	0	0.0%
2.5%	2,350	2,350	0	0.0%
3.7%	2,350	2,350	0	0.0%
4.9%	2,350	2,350	0	0.0%
6.2%	2,350	2,350	0	0.0%
7.4%	2,350	2,350	0	0.0%
8.6%	2,350	2,350	0	0.0%
9.9%	2,350	2,350	0	0.0%
11.1%	2,350	2,350	0	0.0%
12.3%	2,350	2,350	0	0.0%
13.6%	2,350	2,350	0	0.0%
14.8%	2,350	2,350	0	0.0%
16.0%	2,350	2,350	0	0.0%
17.3%	2,350	2,350	0	0.0%
18.5%	2,350	2,350	0	0.0%
19.8%	2,350	2,350	0	0.0%
21.0%	2,350	2,350	0	0.0%
22.2%	2,350	2,350	0	0.0%
23.5%	2,350	2,350	0	0.0%
24.7%	2,350	2,350	0	0.0%
25.9%	2,350	2,350	0	0.0%
27.2%	2,350	2,349	-1	-0.1%
28.4%	2,349	2,349	0	0.0%
29.6%	2,348	2,348	0	0.0%
30.9%	2,348	2,348	0	0.0%
32.1%	2,348	2,346	-2	-0.1%
33.3%	2,347	2,346	-1	-0.1%
34.6%	2,347	2,344	-3	-0.1%
35.8%	2,346	2,344	-2	-0.1%
37.0%	2,344	2,343	-1	0.0%
38.3%	2,342	2,343	1	0.0%
39.5%	2,342	2,339	-3	-0.1%
40.7%	2,341	2,339	-2	-0.1%
42.0%	2,340	2,337	-3	-0.1%
43.2%	2,337	2,337	0	0.0%
44.4%	2,332	2,332	0	0.0%
45.7%	2,331	2,331	0	0.0%
46.9%	2,328	2,330	2	0.1%
48.1%	2,326	2,328	2	0.1%
49.4%	2,325	2,326	1	0.1%
50.6%	2,322	2,322	0	0.0%
51.9%	2,322	2,320	-2	-0.1%
53.1%	2,321	2,319	-2	-0.1%
54.3%	2,321	2,318	-2	-0.1%
55.6%	2,320	2,318	-2	-0.1%
56.8%	2,319	2,318	-1	-0.1%
58.0%	2,317	2,318	0	0.0%
59.3%	2,315	2,314	-2	-0.1%
60.5%	2,313	2,311	-3	-0.1%
61.7%	2,309	2,308	-1	0.0%
63.0%	2,309	2,308	-1	0.0%
64.2%	2,308	2,307	-1	0.0%
65.4%	2,307	2,306	-1	0.0%
66.7%	2,306	2,305	-1	0.0%
67.9%	2,306	2,304	-1	-0.1%
69.1%	2,305	2,304	-1	0.0%
70.4%	2,303	2,304	1	0.0%
71.6%	2,302	2,302	0	0.0%
72.8%	2,298	2,301	2	0.1%
74.1%	2,296	2,299	3	0.1%
75.3%	2,296	2,297	1	0.1%
76.5%	2,295	2,295	0	0.0%
77.8%	2,295	2,295	0	0.0%
79.0%	2,294	2,294	0	0.0%
80.2%	2,288	2,292	4	0.2%
81.5%	2,287	2,287	0	0.0%
82.7%	2,286	2,286	0	0.0%
84.0%	2,285	2,286	0	0.0%
85.2%	2,279	2,285	6	0.3%
86.4%	2,272	2,284	12	0.5%
87.7%	2,272	2,282	10	0.4%
88.9%	2,268	2,269	1	0.0%
90.1%	2,267	2,268	1	0.1%
91.4%	2,255	2,268	13	0.6%
92.6%	2,253	2,259	6	0.3%
93.8%	2,245	2,252	7	0.3%
95.1%	2,243	2,249	5	0.2%
96.3%	2,240	2,245	5	0.2%
97.5%	2,238	2,241	3	0.1%
98.8%	2,235	2,237	2	0.1%
100.0%	2,203	2,203	0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,361	2,361	0	0.0%
1.2%	2,361	2,361	0	0.0%
2.5%	2,361	2,361	0	0.0%
3.7%	2,361	2,361	0	0.0%
4.9%	2,361	2,361	0	0.0%
6.2%	2,361	2,361	0	0.0%
7.4%	2,361	2,361	0	0.0%
8.6%	2,361	2,361	0	0.0%
9.9%	2,361	2,361	0	0.0%
11.1%	2,360	2,360	0	0.0%
12.3%	2,360	2,360	0	0.0%
13.6%	2,358	2,358	0	0.0%
14.8%	2,358	2,358	0	0.0%
16.0%	2,358	2,358	0	0.0%
17.3%	2,358	2,357	0	0.0%
18.5%	2,357	2,357	0	0.0%
19.8%	2,356	2,355	-1	0.0%
21.0%	2,356	2,355	-1	0.0%
22.2%	2,355	2,355	0	0.0%
23.5%	2,355	2,355	0	0.0%
24.7%	2,355	2,355	0	0.0%
25.9%	2,355	2,354	-1	0.0%
27.2%	2,355	2,354	-1	-0.1%
28.4%	2,355	2,354	-1	-0.1%
29.6%	2,355	2,353	-1	-0.1%
30.9%	2,355	2,353	-1	-0.1%
32.1%	2,354	2,352	-2	-0.1%
33.3%	2,354	2,352	-2	-0.1%
34.6%	2,352	2,351	0	0.0%
35.8%	2,352	2,351	0	0.0%
37.0%	2,351	2,351	0	0.0%
38.3%	2,351	2,351	0	0.0%
39.5%	2,350	2,350	0	0.0%
40.7%	2,348	2,348	0	0.0%
42.0%	2,347	2,347	0	0.0%
43.2%	2,346	2,346	0	0.0%
44.4%	2,346	2,346	0	0.0%
45.7%	2,346	2,346	0	0.0%
46.9%	2,346	2,346	0	0.0%
48.1%	2,343	2,344	1	0.1%
49.4%	2,336	2,339	3	0.1%
50.6%	2,334	2,336	2	0.1%
51.9%	2,333	2,335	2	0.1%
53.1%	2,331	2,332	1	0.1%
54.3%	2,330	2,326	-4	-0.2%
55.6%	2,327	2,326	-2	-0.1%
56.8%	2,327	2,325	-2	-0.1%
58.0%	2,325	2,322	-3	-0.1%
59.3%	2,324	2,319	-5	-0.2%
60.5%	2,323	2,318	-5	-0.2%
61.7%	2,318	2,318	-1	0.0%
63.0%	2,318	2,317	-1	0.0%
64.2%	2,317	2,317	0	0.0%
65.4%	2,316	2,316	1	0.0%
66.7%	2,316	2,316	1	0.0%
67.9%	2,314	2,315	2	0.1%
69.1%	2,313	2,315	2	0.1%
70.4%	2,311	2,314	3	0.1%
71.6%	2,311	2,313	2	0.1%
72.8%	2,309	2,312	2	0.1%
74.1%	2,309	2,309	1	0.0%
75.3%	2,306	2,305	-1	0.0%
76.5%	2,305	2,305	0	0.0%
77.8%	2,304	2,305	1	0.1%
79.0%	2,301	2,302	1	0.1%
80.2%	2,299	2,301	2	0.1%
81.5%	2,296	2,297	1	0.1%
82.7%	2,294	2,296	2	0.1%
84.0%	2,292	2,295	3	0.1%
85.2%	2,292	2,294	2	0.1%
86.4%	2,289	2,293	4	0.2%
87.7%	2,280	2,290	10	0.5%
88.9%	2,272	2,273	1	0.1%
90.1%	2,270	2,272	2	0.1%
91.4%	2,266	2,271	5	0.2%
92.6%	2,260	2,269	8	0.4%
93.8%	2,255	2,265	10	0.4%
95.1%	2,247	2,255	8	0.4%
96.3%	2,241	2,246	5	0.2%
97.5%	2,240	2,242	2	0.1%
98.8%	2,238	2,228	-10	-0.4%
100.0%	2,209	2,209	0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,363	2,363	0	0.0%
1.2%	2,362	2,362	0	0.0%
2.5%	2,360	2,360	0	0.0%
3.7%	2,358	2,358	0	0.0%
4.9%	2,357	2,357	0	0.0%
6.2%	2,355	2,355	0	0.0%
7.4%	2,355	2,355	0	0.0%
8.6%	2,354	2,354	0	0.0%
9.9%	2,353	2,353	0	0.0%
11.1%	2,353	2,353	0	0.0%
12.3%	2,352	2,352	0	0.0%
13.6%	2,352	2,352	0	0.0%
14.8%	2,352	2,352	0	0.0%
16.0%	2,351	2,351	0	0.0%
17.3%	2,351	2,350	-1	0.0%
18.5%	2,350	2,349	-1	-0.1%
19.8%	2,349	2,349	0	0.0%
21.0%	2,347	2,347	0	0.0%
22.2%	2,347	2,347	0	0.0%
23.5%	2,347	2,346	0	0.0%
24.7%	2,346	2,346	0	0.0%
25.9%	2,346	2,346	0	0.0%
27.2%	2,346	2,346	0	0.0%
28.4%	2,346	2,345	-1	0.0%
29.6%	2,346	2,345	-1	0.0%
30.9%	2,345	2,343	-2	-0.1%
32.1%	2,345	2,340	-5	-0.2%
33.3%	2,345	2,340	-5	-0.2%
34.6%	2,339	2,340	1	0.0%
35.8%	2,337	2,337	0	0.0%
37.0%	2,337	2,337	-1	0.0%
38.3%	2,337	2,335	-3	-0.1%
39.5%	2,336	2,334	-2	-0.1%
40.7%	2,334	2,334	0	0.0%
42.0%	2,332	2,334	1	0.1%
43.2%	2,332	2,333	2	0.1%
44.4%	2,331	2,332	0	0.0%
45.7%	2,328	2,331	3	0.1%
46.9%	2,326	2,329	3	0.1%
48.1%	2,326	2,328	2	0.1%
49.4%	2,325	2,324	-2	-0.1%
50.6%	2,322	2,323	1	0.0%
51.9%	2,320	2,320	1	0.0%
53.1%	2,318	2,319	1	0.0%
54.3%	2,315	2,314	-1	0.0%
55.6%	2,314	2,313	-1	0.0%
56.8%	2,314	2,313	-1	0.0%
58.0%	2,313	2,312	-1	0.0%
59.3%	2,313	2,312	0	0.0%
60.5%	2,311	2,312	0	0.0%
61.7%	2,310	2,311	1	0.0%
63.0%	2,310	2,310	0	0.0%
64.2%	2,309	2,307	-2	-0.1%
65.4%	2,309	2,305	-3	-0.1%
66.7%	2,309	2,305	-4	-0.2%
67.9%	2,307	2,304	-3	-0.1%
69.1%	2,306	2,304	-2	-0.1%
70.4%	2,306	2,303	-2	-0.1%
71.6%	2,303	2,303	0	0.0%
72.8%	2,302	2,301	0	0.0%
74.1%	2,299	2,301	2	0.1%
75.3%	2,298	2,299	1	0.0%
76.5%	2,298	2,298	0	0.0%
77.8%	2,291	2,293	1	0.1%
79.0%	2,289	2,290	1	0.1%
80.2%	2,288	2,290	2	0.1%
81.5%	2,288	2,289	1	0.1%
82.7%	2,285	2,288	4	0.2%
84.0%	2,283	2,286	3	0.1%
85.2%	2,281	2,283	3	0.1%
86.4%	2,277	2,283	6	0.3%
87.7%	2,265	2,283	17	0.8%
88.9%	2,263	2,269	5	0.2%
90.1%	2,263	2,267	4	0.2%
91.4%	2,263	2,265	2	0.1%
92.6%	2,261	2,264	3	0.1%
93.8%	2,246	2,258	13	0.6%
95.1%	2,235	2,235	1	0.0%
96.3%	2,226	2,235	8	0.4%
97.5%	2,224	2,234	10	0.4%
98.8%	2,214	2,210	-4	-0.2%
100.0%	2,209	2,202	-7	-0.3%

Table SW-02-b

Trinity Lake, End of Month Elevation
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,364	2,364	0	0.0%
1.2%	2,355	2,355	0	0.0%
2.5%	2,354	2,355	0	0.0%
3.7%	2,349	2,349	0	0.0%
4.9%	2,349	2,348	0	0.0%
6.2%	2,347	2,347	0	0.0%
7.4%	2,346	2,346	0	0.0%
8.6%	2,345	2,345	0	0.0%
9.9%	2,344	2,345	0	0.0%
11.1%	2,344	2,344	0	0.0%
12.3%	2,344	2,344	0	0.0%
13.6%	2,344	2,344	0	0.0%
14.8%	2,343	2,344	1	0.0%
16.0%	2,341	2,343	1	0.1%
17.3%	2,341	2,341	0	0.0%
18.5%	2,340	2,338	-2	-0.1%
19.8%	2,338	2,338	0	0.0%
21.0%	2,338	2,338	0	0.0%
22.2%	2,338	2,337	-1	0.0%
23.5%	2,337	2,337	0	0.0%
24.7%	2,337	2,335	-2	-0.1%
25.9%	2,337	2,334	-2	-0.1%
27.2%	2,335	2,333	-2	-0.1%
28.4%	2,335	2,332	-3	-0.1%
29.6%	2,334	2,332	-2	-0.1%
30.9%	2,332	2,331	-1	0.0%
32.1%	2,332	2,330	-2	-0.1%
33.3%	2,329	2,327	-2	-0.1%
34.6%	2,328	2,327	-1	-0.1%
35.8%	2,327	2,326	-1	0.0%
37.0%	2,327	2,324	-3	-0.1%
38.3%	2,324	2,324	0	0.0%
39.5%	2,321	2,324	3	0.1%
40.7%	2,320	2,321	0	0.0%
42.0%	2,318	2,320	2	0.1%
43.2%	2,318	2,318	0	0.0%
44.4%	2,318	2,317	-1	-0.1%
45.7%	2,313	2,315	2	0.1%
46.9%	2,313	2,314	2	0.1%
48.1%	2,313	2,314	1	0.1%
49.4%	2,313	2,314	1	0.1%
50.6%	2,313	2,313	0	0.0%
51.9%	2,310	2,310	0	0.0%
53.1%	2,310	2,310	0	0.0%
54.3%	2,309	2,308	-1	0.0%
55.6%	2,309	2,307	-1	-0.1%
56.8%	2,308	2,307	-1	0.0%
58.0%	2,306	2,306	0	0.0%
59.3%	2,305	2,306	1	0.1%
60.5%	2,305	2,306	1	0.0%
61.7%	2,304	2,304	0	0.0%
63.0%	2,303	2,302	-1	-0.1%
64.2%	2,302	2,298	-4	-0.2%
65.4%	2,299	2,298	-2	-0.1%
66.7%	2,299	2,298	-1	0.0%
67.9%	2,297	2,297	0	0.0%
69.1%	2,294	2,296	2	0.1%
70.4%	2,294	2,294	0	0.0%
71.6%	2,291	2,293	2	0.1%
72.8%	2,291	2,292	2	0.1%
74.1%	2,290	2,292	2	0.1%
75.3%	2,289	2,291	3	0.1%
76.5%	2,288	2,286	-2	-0.1%
77.8%	2,286	2,285	-2	-0.1%
79.0%	2,283	2,283	0	0.0%
80.2%	2,281	2,281	0	0.0%
81.5%	2,279	2,280	1	0.0%
82.7%	2,272	2,277	5	0.2%
84.0%	2,270	2,275	5	0.2%
85.2%	2,269	2,273	3	0.1%
86.4%	2,269	2,273	4	0.2%
87.7%	2,263	2,268	4	0.2%
88.9%	2,261	2,266	5	0.2%
90.1%	2,260	2,265	5	0.2%
91.4%	2,254	2,263	9	0.4%
92.6%	2,251	2,262	11	0.5%
93.8%	2,243	2,251	8	0.4%
95.1%	2,239	2,240	1	0.0%
96.3%	2,223	2,231	8	0.4%
97.5%	2,221	2,231	10	0.5%
98.8%	2,197	2,204	7	0.3%
100.0%	2,175	2,179	5	0.2%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,359	2,358	-1	-0.1%
1.2%	2,347	2,352	5	0.2%
2.5%	2,346	2,346	0	0.0%
3.7%	2,342	2,338	-4	-0.2%
4.9%	2,335	2,335	0	0.0%
6.2%	2,335	2,335	0	0.0%
7.4%	2,334	2,334	1	0.0%
8.6%	2,333	2,334	0	0.0%
9.9%	2,333	2,333	0	0.0%
11.1%	2,333	2,333	0	0.0%
12.3%	2,332	2,333	1	0.0%
13.6%	2,331	2,332	1	0.0%
14.8%	2,331	2,330	0	0.0%
16.0%	2,331	2,330	0	0.0%
17.3%	2,329	2,330	0	0.0%
18.5%	2,328	2,329	1	0.0%
19.8%	2,326	2,329	3	0.1%
21.0%	2,325	2,325	-1	0.0%
22.2%	2,325	2,323	-2	-0.1%
23.5%	2,323	2,321	-2	-0.1%
24.7%	2,323	2,321	-2	-0.1%
25.9%	2,321	2,321	0	0.0%
27.2%	2,319	2,319	0	0.0%
28.4%	2,319	2,319	0	0.0%
29.6%	2,319	2,318	-1	0.0%
30.9%	2,319	2,318	-1	-0.1%
32.1%	2,318	2,317	-1	-0.1%
33.3%	2,316	2,317	1	0.1%
34.6%	2,312	2,315	3	0.1%
35.8%	2,311	2,313	3	0.1%
37.0%	2,309	2,311	2	0.1%
38.3%	2,309	2,311	2	0.1%
39.5%	2,308	2,308	0	0.0%
40.7%	2,307	2,307	0	0.0%
42.0%	2,304	2,306	1	0.1%
43.2%	2,303	2,303	0	0.0%
44.4%	2,302	2,301	-1	0.0%
45.7%	2,301	2,301	0	0.0%
46.9%	2,300	2,299	-1	-0.1%
48.1%	2,299	2,298	-1	-0.1%
49.4%	2,297	2,295	-1	-0.1%
50.6%	2,296	2,295	-2	-0.1%
51.9%	2,295	2,294	-1	0.0%
53.1%	2,295	2,294	0	0.0%
54.3%	2,294	2,294	0	0.0%
55.6%	2,294	2,294	-1	0.0%
56.8%	2,294	2,292	-2	-0.1%
58.0%	2,294	2,292	-2	-0.1%
59.3%	2,293	2,291	-2	-0.1%
60.5%	2,292	2,291	0	0.0%
61.7%	2,291	2,291	0	0.0%
63.0%	2,290	2,291	1	0.0%
64.2%	2,288	2,289	2	0.1%
65.4%	2,287	2,289	2	0.1%
66.7%	2,284	2,287	2	0.1%
67.9%	2,284	2,287	3	0.1%
69.1%	2,283	2,284	1	0.0%
70.4%	2,278	2,282	4	0.2%
71.6%	2,277	2,280	4	0.2%
72.8%	2,275	2,277	2	0.1%
74.1%	2,274	2,276	2	0.1%
75.3%	2,273	2,273	-1	0.0%
76.5%	2,272	2,268	-4	-0.2%
77.8%	2,268	2,264	-5	-0.2%
79.0%	2,265	2,263	-2	-0.1%
80.2%	2,263	2,261	-2	-0.1%
81.5%	2,257	2,261	3	0.1%
82.7%	2,256	2,259	3	0.2%
84.0%	2,253	2,256	3	0.1%
85.2%	2,251	2,256	5	0.2%
86.4%	2,251	2,254	3	0.1%
87.7%	2,249	2,252	2	0.1%
88.9%	2,247	2,251	4	0.2%
90.1%	2,240	2,251	10	0.5%
91.4%	2,234	2,250	16	0.7%
92.6%	2,232	2,244	11	0.5%
93.8%	2,229	2,237	9	0.4%
95.1%	2,225	2,226	1	0.0%
96.3%	2,206	2,214	8	0.4%
97.5%	2,187	2,208	20	0.9%
98.8%	2,187	2,194	7	0.3%
100.0%	2,103	2,113	11	0.5%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,353	2,353	0	0.0%
1.2%	2,344	2,346	1	0.1%
2.5%	2,333	2,332	-1	0.0%
3.7%	2,332	2,325	-6	-0.3%
4.9%	2,326	2,324	-3	-0.1%
6.2%	2,322	2,323	1	0.1%
7.4%	2,321	2,322	1	0.0%
8.6%	2,321	2,322	1	0.0%
9.9%	2,321	2,321	0	0.0%
11.1%	2,321	2,321	0	0.0%
12.3%	2,320	2,321	1	0.0%
13.6%	2,319	2,320	1	0.0%
14.8%	2,318	2,319	1	0.0%
16.0%	2,318	2,317	0	0.0%
17.3%	2,318	2,316	-2	-0.1%
18.5%	2,316	2,315	-1	0.0%
19.8%	2,313	2,314	1	0.0%
21.0%	2,312	2,309	-3	-0.1%
22.2%	2,312	2,308	-4	-0.2%
23.5%	2,310	2,308	-3	-0.1%
24.7%	2,310	2,306	-4	-0.2%
25.9%	2,307	2,305	-2	-0.1%
27.2%	2,306	2,304	-2	-0.1%
28.4%	2,306	2,303	-3	-0.1%
29.6%	2,305	2,303	-2	-0.1%
30.9%	2,304	2,302	-2	-0.1%
32.1%	2,301	2,302	1	0.1%
33.3%	2,300	2,302	2	0.1%
34.6%	2,299	2,299	0	0.0%
35.8%	2,298	2,296	-2	-0.1%
37.0%	2,297	2,295	-1	-0.1%
38.3%	2,296	2,293	-4	-0.2%
39.5%	2,296	2,292	-4	-0.2%
40.7%	2,290	2,292	1	0.1%
42.0%	2,289	2,289	-1	0.0%
43.2%	2,289	2,288	-1	0.0%
44.4%	2,289	2,286	-3	-0.1%
45.7%	2,288	2,285	-3	-0.1%
46.9%	2,285	2,285	-1	0.0%
48.1%	2,285	2,284	-1	-0.1%
49.4%	2,284	2,283	-1	0.0%
50.6%	2,283	2,283	0	0.0%
51.9%	2,281	2,281	0	0.0%
53.1%	2,280	2,280	-1	0.0%
54.3%	2,280	2,279	0	0.0%
55.6%	2,280	2,277	-2	-0.1%
56.8%	2,280	2,277	-2	-0.1%
58.0%	2,279	2,276	-3	-0.1%
59.3%	2,278	2,276	-2	-0.1%
60.5%	2,278	2,276	-2	-0.1%
61.7%	2,276	2,276	0	0.0%
63.0%	2,273	2,276	3	0.1%
64.2%	2,273	2,275	2	0.1%
65.4%	2,271	2,273	3	0.1%
66.7%	2,270	2,273	2	0.1%
67.9%	2,270	2,269	0	0.0%
69.1%	2,268	2,267	-1	0.0%
70.4%	2,268	2,265	-3	-0.1%
71.6%	2,263	2,261	-3	-0.1%
72.8%	2,262	2,257	-6	-0.2%
74.1%	2,253	2,256	2	0.1%
75.3%	2,253	2,252	0	0.0%
76.5%	2,251	2,250	-1	0.0%
77.8%	2,250	2,250	0	0.0%
79.0%	2,246	2,249	3	0.1%
80.2%	2,243	2,246	2	0.1%
81.5%	2,240	2,243	3	0.1%
82.7%	2,239	2,241	2	0.1%
84.0%	2,238	2,241	3	0.2%
85.2%	2,235	2,236	1	0.0%
86.4%	2,233	2,234	2	0.1%
87.7%	2,228	2,233	5	0.2%
88.9%	2,225	2,231	6	0.3%
90.1%	2,224	2,227	2	0.1%
91.4%	2,216	2,223	7	0.3%
92.6%	2,216	2,223	7	0.3%
93.8%	2,212	2,221	9	0.4%
95.1%	2,210	2,211	1	0.0%
96.3%	2,200	2,208	8	0.4%
97.5%	2,158	2,183	25	1.2%
98.8%	2,140	2,173	33	1.6%
100.0%	2,103	2,103	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	2,343	2,343	0	0.0%
1.2%	2,335	2,336	2	0.1%
2.5%	2,324	2,320	-4	-0.2%
3.7%	2,319	2,313	-6	-0.3%
4.9%	2,318	2,312	-7	-0.3%
6.2%	2,309	2,310	1	0.0%
7.4%	2,309	2,310	1	0.0%
8.6%	2,309	2,309	0	0.0%
9.9%	2,309	2,309	0	0.0%
11.1%	2,308	2,308	0	0.0%
12.3%	2,308	2,307	-1	0.0%
13.6%	2,307	2,306	-1	0.0%
14.8%	2,306	2,305	-1	0.0%
16.0%	2,304	2,305	1	0.0%
17.3%	2,304	2,302	-2	-0.1%
18.5%	2,303	2,300	-3	-0.1%
19.8%	2,301	2,300	-2	-0.1%
21.0%	2,300	2,296	-4	-0.2%
22.2%	2,298	2,294	-4	-0.2%
23.5%	2,298	2,294	-4	-0.2%
24.7%	2,297	2,294	-4	-0.2%
25.9%	2,296	2,293	-3	-0.1%
27.2%	2,295	2,293	-3	-0.1%
28.4%	2,292	2,292	1	0.0%
29.6%	2,291	2,292	1	0.1%
30.9%	2,291	2,291	1	0.0%
32.1%	2,290	2,291	1	0.0%
33.3%	2,288	2,288	0	0.0%
34.6%	2,287	2,286	-1	-0.1%
35.8%	2,287	2,285	-1	-0.1%
37.0%	2,287	2,285	-1	-0.1%
38.3%	2,286	2,282	-4	-0.2%
39.5%	2,282	2,282	0	0.0%
40.7%	2,281	2,278	-3	-0.1%
42.0%	2,280	2,277	-3	-0.1%
43.2%	2,279	2,276	-3	-0.1%
44.4%	2,279	2,275	-4	-0.2%
45.7%	2,279	2,274	-5	-0.2%
46.9%	2,274	2,274	-1	0.0%
48.1%	2,273	2,272	-1	0.0%
49.4%	2,270	2,272	1	0.1%
50.6%	2,270	2,271	1	0.0%
51.9%	2,270	2,270	0	0.0%
53.1%	2,269	2,269	0	0.0%
54.3%	2,269	2,268	0	0.0%
55.6%	2,269	2,268	-1	0.0%
56.8%	2,267	2,268	0	0.0%
58.0%	2,267	2,267	0	0.0%
59.3%	2,267	2,266	-1	0.0%
60.5%	2,267	2,265	-1	-0.1%
61.7%	2,266	2,265	-1	0.0%
63.0%	2,265	2,264	-1	0.0%
64.2%	2,265	2,263	-1	-0.1%
65.4%	2,264	2,261	-3	-0.1%
66.7%	2,262	2,259	-4	-0.2%
67.9%	2,256	2,256	-1	0.0%
69.1%	2,255	2,255	0	0.0%
70.4%	2,254	2,250	-4	-0.2%
71.6%	2,253	2,248	-5	-0.2%
72.8%	2,253	2,247	-6	-0.3%
74.1%	2,244	2,246	2	0.1%
75.3%	2,244	2,242	-2	-0.1%
76.5%	2,242	2,241	-1	-0.1%
77.8%	2,241	2,240	-1	0.0%
79.0%	2,236	2,237	1	0.1%
80.2%	2,234	2,236	2	0.1%
81.5%	2,229	2,232	3	0.1%
82.7%	2,218	2,228	10	0.4%
84.0%	2,218	2,224	6	0.3%
85.2%	2,216	2,220	4	0.2%
86.4%	2,216	2,220	4	0.2%
87.7%	2,213	2,219	6	0.3%
88.9%	2,213	2,216	4	0.2%
90.1%	2,211	2,215	4	0.2%
91.4%	2,211	2,212	1	0.0%
92.6%	2,207	2,211	4	0.2%
93.8%	2,202	2,209	7	0.3%
95.1%	2,202	2,206	4	0.2%
96.3%	2,193	2,203	9	0.4%
97.5%	2,149	2,176	27	1.2%
98.8%	2,143	2,163	20	0.9%
100.0%	2,103	2,143	40	1.9%

Figure SW-03-b
Trinity Lake, End of Month Area
Probability of Exceedance

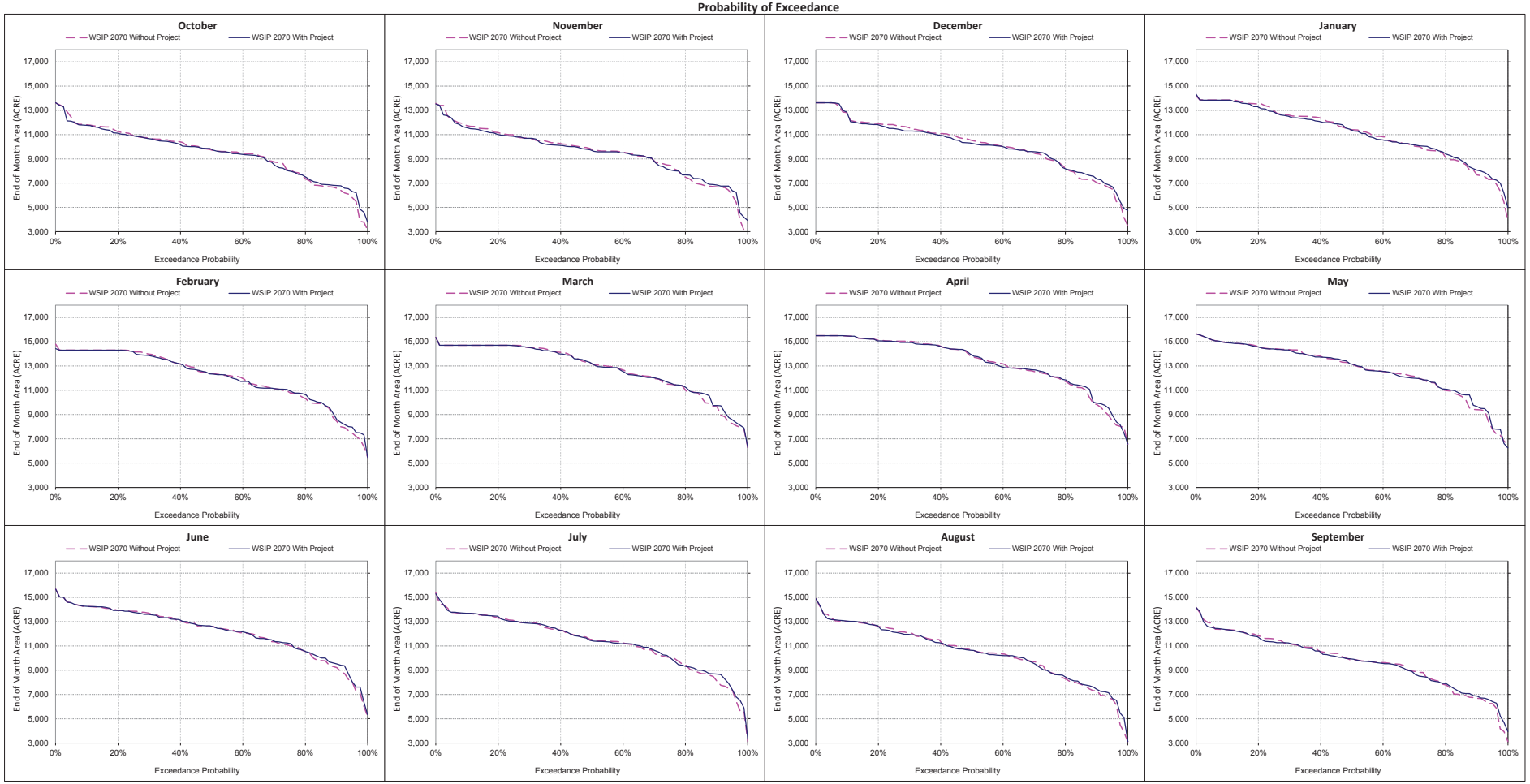


Table SW-03-b

Trinity Lake, End of Month Area

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,615	13,625	10	0.1%
1.2%	13,463	13,417	-46	-0.3%
2.5%	13,311	13,311	0	0.0%
3.7%	12,879	12,125	-754	-5.9%
4.9%	12,464	12,116	-348	-2.8%
6.2%	11,930	12,007	76	0.6%
7.4%	11,848	11,810	-38	-0.3%
8.6%	11,839	11,786	-53	-0.5%
9.9%	11,808	11,758	-50	-0.4%
11.1%	11,775	11,736	-39	-0.3%
12.3%	11,717	11,636	-81	-0.7%
13.6%	11,697	11,603	-93	-0.8%
14.8%	11,658	11,470	-189	-1.6%
16.0%	11,635	11,408	-227	-2.0%
17.3%	11,634	11,362	-272	-2.3%
18.5%	11,418	11,152	-266	-2.3%
19.8%	11,264	11,125	-139	-1.2%
21.0%	11,184	11,027	-157	-1.4%
22.2%	11,152	11,014	-138	-1.2%
23.5%	11,109	10,914	-195	-1.8%
24.7%	10,935	10,905	-30	-0.3%
25.9%	10,835	10,839	4	0.0%
27.2%	10,782	10,833	51	0.5%
28.4%	10,756	10,727	-28	-0.3%
29.6%	10,739	10,673	-65	-0.6%
30.9%	10,656	10,628	-28	-0.3%
32.1%	10,632	10,549	-83	-0.8%
33.3%	10,623	10,471	-152	-1.4%
34.6%	10,569	10,449	-120	-1.1%
35.8%	10,563	10,437	-126	-1.2%
37.0%	10,451	10,370	-82	-0.8%
38.3%	10,435	10,316	-119	-1.1%
39.5%	10,430	10,216	-214	-2.1%
40.7%	10,348	10,051	-297	-2.9%
42.0%	10,114	10,041	-73	-0.7%
43.2%	10,079	10,005	-74	-0.7%
44.4%	10,070	10,001	-69	-0.7%
45.7%	10,022	9,971	-50	-0.5%
46.9%	9,835	9,883	48	0.5%
48.1%	9,823	9,864	41	0.4%
49.4%	9,774	9,863	89	0.9%
50.6%	9,679	9,719	41	0.4%
51.9%	9,642	9,622	-20	-0.2%
53.1%	9,614	9,586	-28	-0.3%
54.3%	9,608	9,580	-28	-0.3%
55.6%	9,599	9,550	-49	-0.5%
56.8%	9,573	9,432	-141	-1.5%
58.0%	9,562	9,432	-130	-1.4%
59.3%	9,452	9,390	-62	-0.7%
60.5%	9,446	9,340	-105	-1.1%
61.7%	9,435	9,316	-119	-1.3%
63.0%	9,415	9,303	-112	-1.2%
64.2%	9,378	9,283	-95	-1.0%
65.4%	9,228	9,172	-56	-0.6%
66.7%	9,174	9,080	-94	-1.0%
67.9%	8,849	8,809	-39	-0.4%
69.1%	8,821	8,723	-98	-1.1%
70.4%	8,729	8,457	-271	-3.1%
71.6%	8,691	8,266	-425	-4.9%
72.8%	8,613	8,226	-386	-4.5%
74.1%	8,096	8,050	-46	-0.6%
75.3%	8,092	7,980	-112	-1.4%
76.5%	7,888	7,888	0	0.0%
77.8%	7,855	7,725	-129	-1.6%
79.0%	7,596	7,668	72	0.9%
80.2%	7,329	7,490	161	2.2%
81.5%	7,185	7,274	89	1.2%
82.7%	6,835	7,125	289	4.2%
84.0%	6,813	7,056	243	3.6%
85.2%	6,779	6,907	127	1.9%
86.4%	6,713	6,876	163	2.4%
87.7%	6,706	6,856	150	2.2%
88.9%	6,670	6,822	152	2.3%
90.1%	6,569	6,810	241	3.7%
91.4%	6,398	6,768	370	5.8%
92.6%	6,193	6,577	384	6.2%
93.8%	6,095	6,535	440	7.2%
95.1%	5,798	6,303	505	8.7%
96.3%	5,471	6,208	737	13.5%
97.5%	3,857	4,843	985	25.5%
98.8%	3,781	4,602	821	21.7%
100.0%	3,120	3,781	661	21.2%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,571	13,524	-46	-0.3%
1.2%	13,405	13,414	10	0.1%
2.5%	13,403	12,630	-774	-5.8%
3.7%	12,556	12,556	0	0.0%
4.9%	12,244	12,389	145	1.2%
6.2%	12,121	11,965	-156	-1.3%
7.4%	11,977	11,845	-132	-1.1%
8.6%	11,926	11,658	-268	-2.2%
9.9%	11,748	11,572	-176	-1.5%
11.1%	11,677	11,488	-189	-1.6%
12.3%	11,670	11,472	-198	-1.7%
13.6%	11,526	11,421	-106	-0.9%
14.8%	11,505	11,310	-195	-1.7%
16.0%	11,485	11,254	-230	-2.0%
17.3%	11,480	11,157	-323	-2.8%
18.5%	11,203	11,151	-52	-0.5%
19.8%	11,173	11,011	-163	-1.5%
21.0%	11,096	10,944	-153	-1.4%
22.2%	11,032	10,920	-112	-1.0%
23.5%	10,988	10,881	-107	-1.0%
24.7%	10,988	10,863	-125	-1.1%
25.9%	10,817	10,806	-10	-0.1%
27.2%	10,749	10,794	45	0.4%
28.4%	10,726	10,703	-23	-0.2%
29.6%	10,684	10,700	16	0.2%
30.9%	10,664	10,691	27	0.3%
32.1%	10,524	10,628	105	1.0%
33.3%	10,507	10,353	-154	-1.5%
34.6%	10,505	10,235	-270	-2.6%
35.8%	10,427	10,181	-246	-2.4%
37.0%	10,327	10,154	-173	-1.7%
38.3%	10,326	10,143	-184	-1.8%
39.5%	10,279	10,118	-160	-1.6%
40.7%	10,213	10,091	-122	-1.2%
42.0%	10,202	10,033	-169	-1.7%
43.2%	10,121	10,002	-119	-1.2%
44.4%	10,069	10,001	-68	-0.7%
45.7%	10,023	9,935	-87	-0.9%
46.9%	9,940	9,836	-104	-1.0%
48.1%	9,939	9,794	-145	-1.5%
49.4%	9,856	9,752	-103	-1.0%
50.6%	9,693	9,619	-74	-0.8%
51.9%	9,687	9,586	-102	-1.0%
53.1%	9,649	9,586	-63	-0.7%
54.3%	9,643	9,586	-57	-0.6%
55.6%	9,640	9,586	-54	-0.6%
56.8%	9,635	9,586	-50	-0.5%
58.0%	9,632	9,572	-60	-0.6%
59.3%	9,586	9,501	-85	-0.9%
60.5%	9,524	9,498	-26	-0.3%
61.7%	9,473	9,442	-31	-0.3%
63.0%	9,392	9,318	-74	-0.8%
64.2%	9,264	9,299	35	0.4%
65.4%	9,234	9,285	51	0.6%
66.7%	9,229	9,244	15	0.2%
67.9%	9,103	9,085	-18	-0.2%
69.1%	9,045	9,074	30	0.3%
70.4%	8,751	8,679	-72	-0.8%
71.6%	8,630	8,433	-197	-2.3%
72.8%	8,596	8,353	-243	-2.8%
74.1%	8,497	8,167	-330	-3.9%
75.3%	8,461	8,075	-386	-4.6%
76.5%	8,160	8,019	-140	-1.7%
77.8%	8,019	7,996	-23	-0.3%
79.0%	7,612	7,686	75	1.0%
80.2%	7,463	7,667	204	2.7%
81.5%	7,329	7,645	316	4.3%
82.7%	7,024	7,386	362	5.2%
84.0%	6,950	7,383	433	6.2%
85.2%	6,885	7,334	450	6.5%
86.4%	6,772	7,049	277	4.1%
87.7%	6,749	6,914	165	2.4%
88.9%	6,717	6,888	171	2.5%
90.1%	6,697	6,843	146	2.2%
91.4%	6,643	6,759	117	1.8%
92.6%	6,636	6,757	121	1.8%
93.8%	6,415	6,747	332	5.2%
95.1%	5,975	6,361	386	6.5%
96.3%	5,390	6,232	842	15.6%
97.5%	3,918	4,539	621	15.8%
98.8%	3,120	4,191	1,071	34.3%
100.0%	3,120	3,918	798	25.6%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,625	13,625	0	0.0%
1.2%	13,625	13,625	0	0.0%
2.5%	13,625	13,625	0	0.0%
3.7%	13,625	13,625	0	0.0%
4.9%	13,625	13,625	0	0.0%
6.2%	13,587	13,609	22	0.2%
7.4%	13,333	13,547	214	1.6%
8.6%	12,863	12,991	128	1.0%
9.9%	12,817	12,863	46	0.4%
11.1%	12,157	12,072	-86	-0.7%
12.3%	12,087	12,013	-74	-0.6%
13.6%	12,045	11,955	-91	-0.8%
14.8%	12,035	11,902	-133	-1.1%
16.0%	11,987	11,889	-98	-0.8%
17.3%	11,982	11,848	-134	-1.1%
18.5%	11,938	11,839	-98	-0.8%
19.8%	11,913	11,836	-77	-0.6%
21.0%	11,861	11,714	-147	-1.2%
22.2%	11,831	11,641	-191	-1.6%
23.5%	11,831	11,516	-314	-2.7%
24.7%	11,831	11,511	-320	-2.7%
25.9%	11,740	11,456	-285	-2.4%
27.2%	11,685	11,393	-293	-2.5%
28.4%	11,668	11,301	-367	-3.1%
29.6%	11,596	11,298	-298	-2.6%
30.9%	11,442	11,293	-149	-1.3%
32.1%	11,426	11,280	-146	-1.3%
33.3%	11,354	11,272	-82	-0.7%
34.6%	11,350	11,224	-127	-1.1%
35.8%	11,226	11,152	-75	-0.7%
37.0%	11,123	11,109	-14	-0.1%
38.3%	11,123	11,010	-112	-1.0%
39.5%	11,097	10,942	-154	-1.4%
40.7%	11,078	10,901	-178	-1.6%
42.0%	11,053	10,770	-283	-2.6%
43.2%	10,940	10,735	-206	-1.9%
44.4%	10,917	10,574	-343	-3.1%
45.7%	10,759	10,526	-233	-2.2%
46.9%	10,686	10,342	-344	-3.2%
48.1%	10,669	10,326	-343	-3.2%
49.4%	10,570	10,300	-270	-2.6%
50.6%	10,484	10,247	-237	-2.3%
51.9%	10,425	10,184	-240	-2.3%
53.1%	10,347	10,141	-206	-2.0%
54.3%	10,330	10,132	-198	-1.9%
55.6%	10,220	10,128	-92	-0.9%
56.8%	10,168	10,122	-46	-0.5%
58.0%	10,138	10,081	-57	-0.6%
59.3%	10,054	10,055	1	0.0%
60.5%	10,038	9,959	-78	-0.8%
61.7%	9,976	9,820	-157	-1.6%
63.0%	9,924	9,814	-110	-1.1%
64.2%	9,799	9,783	-16	-0.2%
65.4%	9,783	9,716	-67	-0.7%
66.7%	9,763	9,714	-49	-0.5%
67.9%	9,586	9,599	14	0.1%
69.1%	9,550	9,597	47	0.5%
70.4%	9,438	9,583	145	1.5%
71.6%	9,399	9,542	144	1.5%
72.8%	9,235	9,504	269	2.9%
74.1%	8,992	9,327	336	3.7%
75.3%	8,903	9,050	147	1.6%
76.5%	8,846	8,933	87	1.0%
77.8%	8,727	8,719	-8	-0.1%
79.0%	8,463	8,298	-166	-2.0%
80.2%	8,158	8,158	0	0.0%
81.5%	8,002	8,094	92	1.2%
82.7%	7,919	8,000	81	1.0%
84.0%	7,462	7,901	439	5.9%
85.2%	7,329	7,878	549	7.5%
86.4%	7,312	7,745	433	5.9%
87.7%	7,290	7,629	339	4.6%
88.9%	7,235	7,561	326	4.5%
90.1%	7,025	7,330	305	4.3%
91.4%	6,918	7,260	342	4.9%
92.6%	6,810	6,979	169	2.5%
93.8%	6,654	6,871	217	3.3%
95.1%	6,502	6,697	195	3.0%
96.3%	5,486	6,154	668	12.2%
97.5%	5,349	5,486	138	2.6%
98.8%	4,149	4,911	762	18.4%
100.0%	3,464	4,746	1,282	37.0%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,211	14,365	154	1.1%
1.2%	13,867	13,867	0	0.0%
2.5%	13,850	13,850	0	0.0%
3.7%	13,850	13,850	0	0.0%
4.9%	13,850	13,850	0	0.0%
6.2%	13,850	13,850	0	0.0%
7.4%	13,850	13,850	0	0.0%
8.6%	13,850	13,850	0	0.0%
9.9%	13,850	13,850	0	0.0%
11.1%	13,850	13,850	0	0.0%
12.3%	13,850	13,709	-141	-1.0%
13.6%	13,764	13,700	-64	-0.5%
14.8%	13,702	13,592	-110	-0.8%
16.0%	13,578	13,563	-14	-0.1%
17.3%	13,567	13,507	-60	-0.4%
18.5%	13,552	13,315	-237	-1.7%
19.8%	13,527	13,299	-227	-1.7%
21.0%	13,526	13,136	-390	-2.9%
22.2%	13,377	13,124	-253	-1.9%
23.5%	13,299	12,941	-359	-2.7%
24.7%	13,041	12,906	-135	-1.0%
25.9%	12,753	12,729	-24	-0.2%
27.2%	12,677	12,628	-49	-0.4%
28.4%	12,625	12,588	-37	-0.3%
29.6%	12,618	12,515	-103	-0.8%
30.9%	12,537	12,395	-142	-1.1%
32.1%	12,517	12,392	-125	-1.0%
33.3%	12,507	12,336	-170	-1.4%
34.6%	12,504	12,324	-180	-1.4%
35.8%	12,500	12,259	-241	-1.9%
37.0%	12,457	12,236	-221	-1.8%
38.3%	12,441	12,134	-308	-2.5%
39.5%	12,393	12,091	-302	-2.4%
40.7%	12,289	11,994	-294	-2.4%
42.0%	12,097	11,985	-112	-0.9%
43.2%	12,043	11,983	-61	-0.5%
44.4%	12,016	11,896	-120	-1.0%
45.7%	11,709	11,874	165	1.4%
46.9%	11,624	11,814	190	1.6%
48.1%	11,521	11,521	0	0.0%
49.4%	11,403	11,435	32	0.3%
50.6%	11,396	11,296	-100	-0.9%
51.9%	11,383	11,271	-112	-1.0%
53.1%	11,259	11,100	-159	-1.4%
54.3%	11,227	11,087	-140	-1.2%
55.6%	11,114	10,820	-294	-2.6%
56.8%	10,899	10,765	-134	-1.2%
58.0%	10,861	10,613	-248	-2.3%
59.3%	10,852	10,579	-272	-2.5%
60.5%	10,803	10,523	-279	-2.6%
61.7%	10,478	10,519	41	0.4%
63.0%	10,432	10,405	-27	-0.3%
64.2%	10,405	10,392	-14	-0.1%
65.4%	10,354	10,290	-64	-0.6%
66.7%	10,247	10,276	29	0.3%
67.9%	10,242	10,257	15	0.1%
69.1%	10,112	10,184	72	0.7%
70.4%	10,038	10,130	92	0.9%
71.6%	10,001	10,071	70	0.7%
72.8%	9,838	10,056	218	2.2%
74.1%	9,719	10,039	320	3.3%
75.3%	9,685	9,885	200	2.1%
76.5%	9,675	9,822	147	1.5%
77.8%	9,617	9,678	61	0.6%
79.0%	9,522	9,586	63	0.7%
80.2%	9,018	9,400	381	4.2%
81.5%	8,933	9,285	352	3.9%
82.7%	8,933	9,111	177	2.0%
84.0%	8,844	9,077	233	2.6%
85.2%	8,700	8,862	162	1.9%
86.4%	8,530	8,666	136	1.6%
87.7%	8,104	8,333	229	2.8%
88.9%	8,091	8,189	97	1.2%
90.1%	7,667	8,067	401	5.2%
91.4%	7,620	8,009	389	5.1%
92.6%	7,523	7,861	339	4.5%
93.8%	7,300	7,666	366	5.0%
95.1%	7,297	7,343	46	0.6%
96.3%	6,914	7,258	344	5.0%
97.5%	6,343	7,002	658	10.4%
98.8%	5,411	6,172	761	14.1%
100.0%	3,889	5,003	1,114	28.6%

Table SW-03-b

Trinity Lake, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,795	14,437	-358	-2.4%
1.2%	14,300	14,300	0	0.0%
2.5%	14,300	14,300	0	0.0%
3.7%	14,300	14,300	0	0.0%
4.9%	14,300	14,300	0	0.0%
6.2%	14,300	14,300	0	0.0%
7.4%	14,300	14,300	0	0.0%
8.6%	14,300	14,300	0	0.0%
9.9%	14,300	14,300	0	0.0%
11.1%	14,300	14,300	0	0.0%
12.3%	14,300	14,300	0	0.0%
13.6%	14,300	14,300	0	0.0%
14.8%	14,300	14,300	0	0.0%
16.0%	14,300	14,300	0	0.0%
17.3%	14,300	14,300	0	0.0%
18.5%	14,300	14,300	0	0.0%
19.8%	14,300	14,300	0	0.0%
21.0%	14,300	14,300	0	0.0%
22.2%	14,300	14,281	-19	-0.1%
23.5%	14,281	14,238	-43	-0.3%
24.7%	14,183	14,197	15	0.1%
25.9%	14,160	13,949	-212	-1.5%
27.2%	14,154	13,922	-232	-1.6%
28.4%	14,085	13,883	-202	-1.4%
29.6%	13,987	13,861	-126	-0.9%
30.9%	13,949	13,799	-149	-1.1%
32.1%	13,792	13,721	-71	-0.5%
33.3%	13,761	13,667	-94	-0.7%
34.6%	13,649	13,549	-100	-0.7%
35.8%	13,517	13,519	2	0.0%
37.0%	13,364	13,364	0	0.0%
38.3%	13,243	13,270	27	0.2%
39.5%	13,180	13,178	-2	0.0%
40.7%	13,122	13,098	-24	-0.2%
42.0%	13,053	12,799	-255	-2.0%
43.2%	12,928	12,745	-183	-1.4%
44.4%	12,889	12,710	-178	-1.4%
45.7%	12,569	12,641	72	0.6%
46.9%	12,489	12,557	68	0.5%
48.1%	12,487	12,503	16	0.1%
49.4%	12,398	12,357	-41	-0.3%
50.6%	12,368	12,328	-40	-0.3%
51.9%	12,321	12,289	-32	-0.3%
53.1%	12,278	12,278	0	0.0%
54.3%	12,218	12,261	43	0.4%
55.6%	12,213	12,108	-105	-0.9%
56.8%	12,160	11,979	-181	-1.5%
58.0%	12,153	11,911	-242	-2.0%
59.3%	12,069	11,725	-344	-2.8%
60.5%	11,896	11,724	-171	-1.4%
61.7%	11,542	11,723	180	1.6%
63.0%	11,528	11,414	-114	-1.0%
64.2%	11,446	11,246	-200	-1.7%
65.4%	11,379	11,190	-189	-1.7%
66.7%	11,354	11,179	-175	-1.5%
67.9%	11,250	11,179	-71	-0.6%
69.1%	11,199	11,164	-35	-0.3%
70.4%	11,097	11,123	25	0.2%
71.6%	11,092	11,088	-4	0.0%
72.8%	11,001	11,081	80	0.7%
74.1%	10,957	11,057	101	0.9%
75.3%	10,767	10,928	162	1.5%
76.5%	10,763	10,772	9	0.1%
77.8%	10,633	10,770	137	1.3%
79.0%	10,440	10,729	289	2.8%
80.2%	10,282	10,617	335	3.3%
81.5%	9,958	10,240	282	2.8%
82.7%	9,936	10,148	213	2.1%
84.0%	9,913	10,026	112	1.1%
85.2%	9,906	10,000	94	0.9%
86.4%	9,700	9,741	41	0.4%
87.7%	9,505	9,590	86	0.9%
88.9%	8,743	9,105	362	4.1%
90.1%	8,424	8,574	150	1.8%
91.4%	7,992	8,354	362	4.5%
92.6%	7,926	8,185	259	3.3%
93.8%	7,668	8,006	338	4.4%
95.1%	7,471	7,961	490	6.6%
96.3%	7,190	7,513	323	4.5%
97.5%	6,955	7,496	542	7.8%
98.8%	6,372	7,329	958	15.0%
100.0%	5,467	5,471	4	0.1%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,356	15,356	0	0.0%
1.2%	14,700	14,700	0	0.0%
2.5%	14,700	14,700	0	0.0%
3.7%	14,700	14,700	0	0.0%
4.9%	14,700	14,700	0	0.0%
6.2%	14,700	14,700	0	0.0%
7.4%	14,700	14,700	0	0.0%
8.6%	14,700	14,700	0	0.0%
9.9%	14,700	14,700	0	0.0%
11.1%	14,700	14,700	0	0.0%
12.3%	14,700	14,700	0	0.0%
13.6%	14,700	14,700	0	0.0%
14.8%	14,700	14,700	0	0.0%
16.0%	14,700	14,700	0	0.0%
17.3%	14,700	14,700	0	0.0%
18.5%	14,700	14,700	0	0.0%
19.8%	14,700	14,700	0	0.0%
21.0%	14,700	14,700	0	0.0%
22.2%	14,700	14,700	0	0.0%
23.5%	14,700	14,700	0	0.0%
24.7%	14,700	14,685	-15	-0.1%
25.9%	14,690	14,655	-35	-0.2%
27.2%	14,685	14,591	-94	-0.6%
28.4%	14,570	14,585	15	0.1%
29.6%	14,524	14,524	0	0.0%
30.9%	14,501	14,501	0	0.0%
32.1%	14,500	14,378	-122	-0.8%
33.3%	14,477	14,368	-109	-0.8%
34.6%	14,438	14,259	-179	-1.2%
35.8%	14,356	14,257	-100	-0.7%
37.0%	14,246	14,208	-38	-0.3%
38.3%	14,145	14,174	28	0.2%
39.5%	14,134	13,997	-137	-1.0%
40.7%	14,097	13,970	-127	-0.9%
42.0%	14,043	13,898	-146	-1.0%
43.2%	13,883	13,881	-2	0.0%
44.4%	13,619	13,600	-19	-0.1%
45.7%	13,568	13,580	12	0.1%
46.9%	13,399	13,527	128	1.0%
48.1%	13,317	13,399	82	0.6%
49.4%	13,226	13,295	69	0.5%
50.6%	13,097	13,091	-6	0.0%
51.9%	13,074	12,955	-119	-0.9%
53.1%	13,041	12,938	-102	-0.8%
54.3%	13,008	12,891	-118	-0.9%
55.6%	12,963	12,876	-87	-0.7%
56.8%	12,940	12,873	-67	-0.5%
58.0%	12,842	12,856	14	0.1%
59.3%	12,736	12,641	-96	-0.8%
60.5%	12,627	12,477	-150	-1.2%
61.7%	12,351	12,292	-59	-0.5%
63.0%	12,335	12,267	-69	-0.6%
64.2%	12,270	12,221	-49	-0.4%
65.4%	12,253	12,187	-67	-0.5%
66.7%	12,182	12,111	-71	-0.6%
67.9%	12,156	12,062	-94	-0.8%
69.1%	12,118	12,061	-57	-0.5%
70.4%	11,952	12,014	63	0.5%
71.6%	11,910	11,915	4	0.0%
72.8%	11,662	11,819	158	1.4%
74.1%	11,505	11,678	173	1.5%
75.3%	11,499	11,579	81	0.7%
76.5%	11,447	11,447	0	0.0%
77.8%	11,434	11,436	2	0.0%
79.0%	11,355	11,387	32	0.3%
80.2%	10,943	11,212	269	2.5%
81.5%	10,915	10,927	11	0.1%
82.7%	10,843	10,821	-22	-0.2%
84.0%	10,793	10,810	17	0.2%
85.2%	10,376	10,759	383	3.7%
86.4%	9,963	10,676	713	7.2%
87.7%	9,932	10,562	630	6.3%
88.9%	9,679	9,741	62	0.6%
90.1%	9,656	9,734	78	0.8%
91.4%	8,942	9,720	779	8.7%
92.6%	8,820	9,181	362	4.1%
93.8%	8,367	8,760	393	4.7%
95.1%	8,256	8,557	300	3.6%
96.3%	8,072	8,335	263	3.3%
97.5%	7,961	8,114	153	1.9%
98.8%	7,818	7,904	86	1.1%
100.0%	6,269	6,273	4	0.1%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,500	15,500	0	0.0%
1.2%	15,500	15,500	0	0.0%
2.5%	15,500	15,500	0	0.0%
3.7%	15,500	15,500	0	0.0%
4.9%	15,500	15,500	0	0.0%
6.2%	15,500	15,500	0	0.0%
7.4%	15,500	15,500	0	0.0%
8.6%	15,489	15,500	11	0.1%
9.9%	15,468	15,468	0	0.0%
11.1%	15,458	15,458	-1	0.0%
12.3%	15,458	15,452	-5	0.0%
13.6%	15,290	15,301	10	0.1%
14.8%	15,281	15,283	2	0.0%
16.0%	15,248	15,248	0	0.0%
17.3%	15,239	15,225	-13	-0.1%
18.5%	15,218	15,218	0	0.0%
19.8%	15,130	15,074	-56	-0.4%
21.0%	15,120	15,059	-61	-0.4%
22.2%	15,074	15,054	-20	-0.1%
23.5%	15,059	15,044	-15	-0.1%
24.7%	15,054	15,034	-21	-0.1%
25.9%	15,044	14,999	-45	-0.3%
27.2%	15,044	14,950	-94	-0.6%
28.4%	15,039	14,944	-95	-0.6%
29.6%	15,034	14,935	-99	-0.7%
30.9%	15,022	14,911	-111	-0.7%
32.1%	14,961	14,803	-158	-1.1%
33.3%	14,944	14,795	-149	-1.0%
34.6%	14,810	14,776	-34	-0.2%
35.8%	14,803	14,770	-33	-0.2%
37.0%	14,778	14,750	-28	-0.2%
38.3%	14,743	14,729	-14	-0.1%
39.5%	14,687	14,651	-36	-0.2%
40.7%	14,535	14,548	13	0.1%
42.0%	14,455	14,473	18	0.1%
43.2%	14,383	14,408	25	0.2%
44.4%	14,376	14,387	11	0.1%
45.7%	14,353	14,367	14	0.1%
46.9%	14,350	14,353	3	0.0%
48.1%	14,169	14,248	79	0.6%
49.4%	13,843	13,999	156	1.1%
50.6%	13,716	13,806	90	0.7%
51.9%	13,656	13,753	98	0.7%
53.1%	13,560	13,631	71	0.5%
54.3%	13,522	13,305	-217	-1.6%
55.6%	13,362	13,277	-85	-0.6%
56.8%	13,345	13,226	-119	-0.9%
58.0%	13,239	13,081	-158	-1.2%
59.3%	13,212	12,945	-266	-2.0%
60.5%	13,135	12,862	-273	-2.1%
61.7%	12,895	12,845	-51	-0.4%
63.0%	12,866	12,832	-34	-0.3%
64.2%	12,816	12,829	13	0.1%
65.4%	12,757	12,790	33	0.3%
66.7%	12,742	12,779	36	0.3%
67.9%	12,637	12,730	93	0.7%
69.1%	12,606	12,686	80	0.6%
70.4%	12,512	12,679	166	1.3%
71.6%	12,488	12,596	109	0.9%
72.8%	12,390	12,532	142	1.1%
74.1%	12,344	12,392	48	0.4%
75.3%	12,174	12,129	-45	-0.4%
76.5%	12,087	12,091	5	0.0%
77.8%	12,003	12,084	81	0.7%
79.0%	11,820	11,900	81	0.7%
80.2%	11,704	11,833	129	1.1%
81.5%	11,483	11,576	93	0.8%
82.7%	11,357	11,483	126	1.1%
84.0%	11,228	11,436	207	1.8%
85.2%	11,212	11,374	163	1.5%
86.4%	11,033	11,277	244	2.2%
87.7%	10,426	11,091	664	6.4%
88.9%	9,938	10,025	87	0.9%
90.1%	9,808	9,927	119	1.2%
91.4%	9,591	9,893	302	3.1%
92.6%	9,243	9,759	516	5.6%
93.8%	8,933	9,533	599	6.7%
95.1%	8,457	8,933	476	5.6%
96.3%	8,120	8,402	282	3.5%
97.5%	8,030	8,162	131	1.6%
98.8%	7,935	7,466	-469	-5.9%
100.0%	6,563	6,566	4	0.1%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,654	15,654	0	0.0%
1.2%	15,546	15,557	11	0.1%
2.5%	15,426	15,428	2	0.0%
3.7%	15,310	15,310	0	0.0%
4.9%	15,165	15,165	0	0.0%
6.2%	15,082	15,076	-6	0.0%
7.4%	15,041	15,041	0	0.0%
8.6%	14,977	14,964	-13	-0.1%
9.9%	14,920	14,920	0	0.0%
11.1%	14,907	14,907	0	0.0%
12.3%	14,858	14,858	0	0.0%
13.6%	14,845	14,845	0	0.0%
14.8%	14,813	14,823	10	0.1%
16.0%	14,780	14,780	0	0.0%
17.3%	14,767	14,707	-60	-0.4%
18.5%	14,707	14,614	-92	-0.6%
19.8%	14,614	14,579	-35	-0.2%
21.0%	14,484	14,484	0	0.0%
22.2%	14,455	14,418	-37	-0.3%
23.5%	14,415	14,408	-8	-0.1%
24.7%	14,408	14,404	-4	0.0%
25.9%	14,405	14,371	-34	-0.2%
27.2%	14,371	14,358	-13	-0.1%
28.4%	14,369	14,318	-51	-0.4%
29.6%	14,358	14,310	-48	-0.3%
30.9%	14,321	14,184	-137	-1.0%
32.1%	14,318	14,054	-264	-1.8%
33.3%	14,311	14,030	-281	-2.0%
34.6%	13,962	14,010	48	0.3%
35.8%	13,901	13,900	-1	0.0%
37.0%	13,900	13,851	-49	-0.4%
38.3%	13,888	13,747	-142	-1.0%
39.5%	13,846	13,743	-103	-0.7%
40.7%	13,712	13,712	0	0.0%
42.0%	13,623	13,697	74	0.5%
43.2%	13,586	13,687	100	0.7%
44.4%	13,573	13,598	26	0.2%
45.7%	13,419	13,573	154	1.1%
46.9%	13,310	13,461	150	1.1%
48.1%	13,294	13,423	130	1.0%
49.4%	13,259	13,177	-82	-0.6%
50.6%	13,079	13,114	35	0.3%
51.9%	12,960	12,989	29	0.2%
53.1%	12,891	12,940	49	0.4%
54.3%	12,719	12,666	-53	-0.4%
55.6%	12,658	12,626	-32	-0.2%
56.8%	12,646	12,608	-38	-0.3%
58.0%	12,615	12,579	-36	-0.3%
59.3%	12,580	12,558	-22	-0.2%
60.5%	12,523	12,540	17	0.1%
61.7%	12,440	12,503	62	0.5%
63.0%	12,436	12,423	-14	-0.1%
64.2%	12,392	12,261	-131	-1.1%
65.4%	12,353	12,130	-223	-1.8%
66.7%	12,344	12,105	-240	-1.9%
67.9%	12,245	12,051	-193	-1.6%
69.1%	12,169	12,017	-152	-1.3%
70.4%	12,136	11,983	-153	-1.3%
71.6%	11,946	11,972	26	0.2%
72.8%	11,883	11,855	-27	-0.2%
74.1%	11,706	11,848	142	1.2%
75.3%	11,637	11,673	36	0.3%
76.5%	11,612	11,641	30	0.3%
77.8%	11,191	11,270	78	0.7%
79.0%	11,039	11,115	77	0.7%
80.2%	10,975	11,081	106	1.0%
81.5%	10,942	11,022	80	0.7%
82.7%	10,739	10,975	236	2.2%
84.0%	10,643	10,826	183	1.7%
85.2%	10,493	10,662	169	1.6%
86.4%	10,243	10,619	376	3.7%
87.7%	9,539	10,610	1,071	11.2%
88.9%	9,427	9,761	334	3.5%
90.1%	9,402	9,661	259	2.8%
91.4%	9,382	9,508	126	1.3%
92.6%	9,298	9,487	188	2.0%
93.8%	8,381	9,124	743	8.9%
95.1%	7,789	7,831	42	0.5%
96.3%	7,394	7,789	394	5.3%
97.5%	7,306	7,771	465	6.4%
98.8%	6,804	6,622	-182	-2.7%
100.0%	6,574	6,259	-315	-4.8%

Table SW-03-b

Trinity Lake, End of Month Area

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,687	15,687	0	0.0%
1.2%	15,026	15,028	2	0.0%
2.5%	15,011	15,022	11	0.1%
3.7%	14,618	14,612	-6	0.0%
4.9%	14,569	14,559	-10	-0.1%
6.2%	14,419	14,419	0	0.0%
7.4%	14,358	14,358	0	0.0%
8.6%	14,278	14,278	0	0.0%
9.9%	14,264	14,276	13	0.1%
11.1%	14,243	14,253	10	0.1%
12.3%	14,221	14,243	22	0.2%
13.6%	14,221	14,221	0	0.0%
14.8%	14,172	14,221	49	0.3%
16.0%	14,098	14,172	73	0.5%
17.3%	14,096	14,096	0	0.0%
18.5%	14,047	13,930	-117	-0.8%
19.8%	13,924	13,924	0	0.0%
21.0%	13,920	13,918	-2	0.0%
22.2%	13,916	13,865	-51	-0.4%
23.5%	13,865	13,858	-7	0.0%
24.7%	13,858	13,771	-87	-0.6%
25.9%	13,853	13,724	-129	-0.9%
27.2%	13,788	13,689	-99	-0.7%
28.4%	13,771	13,608	-163	-1.2%
29.6%	13,716	13,602	-115	-0.8%
30.9%	13,614	13,569	-45	-0.3%
32.1%	13,603	13,519	-84	-0.6%
33.3%	13,433	13,346	-87	-0.6%
34.6%	13,403	13,334	-69	-0.5%
35.8%	13,366	13,316	-50	-0.4%
37.0%	13,346	13,210	-136	-1.0%
38.3%	13,210	13,199	-11	-0.1%
39.5%	13,009	13,174	165	1.3%
40.7%	13,001	13,017	16	0.1%
42.0%	12,887	12,996	109	0.8%
43.2%	12,886	12,878	-8	-0.1%
44.4%	12,881	12,818	-63	-0.5%
45.7%	12,601	12,704	102	0.8%
46.9%	12,601	12,683	82	0.6%
48.1%	12,594	12,665	72	0.6%
49.4%	12,587	12,653	66	0.5%
50.6%	12,583	12,583	0	0.0%
51.9%	12,462	12,442	-20	-0.2%
53.1%	12,422	12,428	6	0.1%
54.3%	12,385	12,310	-75	-0.6%
55.6%	12,334	12,249	-85	-0.7%
56.8%	12,309	12,232	-76	-0.6%
58.0%	12,160	12,193	33	0.3%
59.3%	12,086	12,180	94	0.8%
60.5%	12,071	12,134	62	0.5%
61.7%	12,026	12,046	20	0.2%
63.0%	11,990	11,906	-84	-0.7%
64.2%	11,897	11,656	-241	-2.0%
65.4%	11,712	11,608	-104	-0.9%
66.7%	11,678	11,606	-72	-0.6%
67.9%	11,569	11,539	-30	-0.3%
69.1%	11,360	11,515	156	1.4%
70.4%	11,344	11,354	10	0.1%
71.6%	11,182	11,329	147	1.3%
72.8%	11,146	11,267	121	1.1%
74.1%	11,099	11,246	147	1.3%
75.3%	11,000	11,175	175	1.6%
76.5%	10,943	10,815	-128	-1.2%
77.8%	10,865	10,736	-129	-1.2%
79.0%	10,643	10,666	23	0.2%
80.2%	10,526	10,526	0	0.0%
81.5%	10,368	10,428	61	0.6%
82.7%	9,973	10,290	317	3.2%
84.0%	9,820	10,145	325	3.3%
85.2%	9,797	10,003	206	2.1%
86.4%	9,767	9,997	230	2.4%
87.7%	9,415	9,691	276	2.9%
88.9%	9,309	9,593	284	3.1%
90.1%	9,209	9,509	300	3.3%
91.4%	8,882	9,400	519	5.8%
92.6%	8,720	9,368	648	7.4%
93.8%	8,238	8,708	471	5.7%
95.1%	8,004	8,045	41	0.5%
96.3%	7,240	7,616	375	5.2%
97.5%	7,129	7,609	480	6.7%
98.8%	6,028	6,354	326	5.4%
100.0%	5,158	5,339	182	3.5%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,380	15,290	-90	-0.6%
1.2%	14,465	14,824	359	2.5%
2.5%	14,391	14,402	11	0.1%
3.7%	14,133	13,938	-195	-1.4%
4.9%	13,776	13,776	0	0.0%
6.2%	13,751	13,765	14	0.1%
7.4%	13,700	13,730	30	0.2%
8.6%	13,685	13,700	15	0.1%
9.9%	13,679	13,685	5	0.0%
11.1%	13,659	13,679	20	0.1%
12.3%	13,632	13,659	27	0.2%
13.6%	13,568	13,626	59	0.4%
14.8%	13,549	13,532	-17	-0.1%
16.0%	13,543	13,522	-21	-0.2%
17.3%	13,479	13,490	11	0.1%
18.5%	13,419	13,477	59	0.4%
19.8%	13,306	13,461	155	1.2%
21.0%	13,247	13,216	-31	-0.2%
22.2%	13,241	13,136	-104	-0.8%
23.5%	13,136	13,053	-83	-0.6%
24.7%	13,116	13,032	-83	-0.6%
25.9%	13,025	13,030	5	0.0%
27.2%	12,936	12,936	0	0.0%
28.4%	12,916	12,899	-17	-0.1%
29.6%	12,912	12,882	-30	-0.2%
30.9%	12,909	12,848	-61	-0.5%
32.1%	12,893	12,827	-66	-0.5%
33.3%	12,743	12,804	61	0.5%
34.6%	12,539	12,718	178	1.4%
35.8%	12,473	12,627	155	1.2%
37.0%	12,390	12,510	120	1.0%
38.3%	12,363	12,473	110	0.9%
39.5%	12,315	12,291	-24	-0.2%
40.7%	12,247	12,247	0	0.0%
42.0%	12,055	12,149	95	0.8%
43.2%	11,984	11,980	-4	0.0%
44.4%	11,894	11,855	-40	-0.3%
45.7%	11,835	11,808	-27	-0.2%
46.9%	11,795	11,715	-80	-0.7%
48.1%	11,732	11,653	-78	-0.7%
49.4%	11,546	11,465	-80	-0.7%
50.6%	11,528	11,407	-121	-1.0%
51.9%	11,435	11,387	-48	-0.4%
53.1%	11,410	11,383	-27	-0.2%
54.3%	11,394	11,364	-30	-0.3%
55.6%	11,386	11,335	-51	-0.4%
56.8%	11,371	11,250	-120	-1.1%
58.0%	11,363	11,236	-127	-1.1%
59.3%	11,315	11,193	-122	-1.1%
60.5%	11,220	11,193	-27	-0.2%
61.7%	11,151	11,176	25	0.2%
63.0%	11,113	11,172	59	0.5%
64.2%	10,955	11,061	107	1.0%
65.4%	10,908	11,022	114	1.0%
66.7%	10,720	10,886	166	1.5%
67.9%	10,705	10,886	181	1.7%
69.1%	10,666	10,729	63	0.6%
70.4%	10,328	10,602	274	2.6%
71.6%	10,243	10,473	231	2.3%
72.8%	10,148	10,255	106	1.0%
74.1%	10,100	10,217	118	1.2%
75.3%	10,022	9,989	-33	-0.3%
76.5%	9,955	9,737	-218	-2.2%
77.8%	9,737	9,448	-290	-3.0%
79.0%	9,514	9,406	-108	-1.1%
80.2%	9,406	9,292	-114	-1.2%
81.5%	9,066	9,261	195	2.2%
82.7%	8,970	9,170	199	2.2%
84.0%	8,833	9,012	178	2.0%
85.2%	8,716	9,005	289	3.3%
86.4%	8,709	8,888	179	2.1%
87.7%	8,594	8,732	138	1.6%
88.9%	8,483	8,703	220	2.6%
90.1%	8,085	8,685	600	7.4%
91.4%	7,751	8,637	885	11.4%
92.6%	7,685	8,263	579	7.5%
93.8%	7,504	7,910	407	5.4%
95.1%	7,355	7,396	42	0.6%
96.3%	6,431	6,804	373	5.8%
97.5%	5,646	6,515	869	15.4%
98.8%	5,630	5,889	260	4.6%
100.0%	3,120	3,332	212	6.8%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,900	14,887	-13	-0.1%
1.2%	14,258	14,345	87	0.6%
2.5%	13,659	13,604	-55	-0.4%
3.7%	13,592	13,265	-327	-2.4%
4.9%	13,305	13,166	-138	-1.0%
6.2%	13,080	13,155	76	0.6%
7.4%	13,046	13,101	55	0.4%
8.6%	13,031	13,084	53	0.4%
9.9%	13,022	13,046	24	0.2%
11.1%	13,009	13,031	22	0.2%
12.3%	12,987	13,021	34	0.3%
13.6%	12,935	12,990	55	0.4%
14.8%	12,896	12,935	39	0.3%
16.0%	12,864	12,843	-21	-0.2%
17.3%	12,863	12,775	-87	-0.7%
18.5%	12,744	12,715	-28	-0.2%
19.8%	12,628	12,680	52	0.4%
21.0%	12,560	12,347	-212	-1.7%
22.2%	12,557	12,324	-233	-1.9%
23.5%	12,455	12,282	-173	-1.4%
24.7%	12,421	12,155	-266	-2.1%
25.9%	12,228	12,112	-116	-0.9%
27.2%	12,170	12,031	-139	-1.1%
28.4%	12,147	11,965	-182	-1.5%
29.6%	12,074	11,964	-111	-0.9%
30.9%	12,031	11,915	-116	-1.0%
32.1%	11,815	11,894	80	0.7%
33.3%	11,765	11,880	115	1.0%
34.6%	11,713	11,693	-20	-0.2%
35.8%	11,612	11,498	-114	-1.0%
37.0%	11,544	11,448	-96	-0.8%
38.3%	11,532	11,285	-246	-2.1%
39.5%	11,522	11,266	-256	-2.2%
40.7%	11,123	11,214	91	0.8%
42.0%	11,058	11,013	-45	-0.4%
43.2%	11,034	10,958	-76	-0.7%
44.4%	11,031	10,831	-199	-1.8%
45.7%	10,959	10,762	-197	-1.8%
46.9%	10,792	10,759	-33	-0.3%
48.1%	10,790	10,693	-97	-0.9%
49.4%	10,698	10,640	-59	-0.5%
50.6%	10,617	10,631	14	0.1%
51.9%	10,523	10,497	-26	-0.2%
53.1%	10,454	10,423	-32	-0.3%
54.3%	10,448	10,418	-30	-0.3%
55.6%	10,425	10,295	-130	-1.2%
56.8%	10,422	10,282	-140	-1.3%
58.0%	10,401	10,233	-167	-1.6%
59.3%	10,357	10,219	-138	-1.3%
60.5%	10,320	10,210	-111	-1.1%
61.7%	10,194	10,202	8	0.1%
63.0%	10,026	10,192	166	1.7%
64.2%	10,008	10,121	113	1.1%
65.4%	9,891	10,047	156	1.6%
66.7%	9,848	9,997	149	1.5%
67.9%	9,808	9,791	-17	-0.2%
69.1%	9,725	9,668	-57	-0.6%
70.4%	9,691	9,495	-196	-2.0%
71.6%	9,426	9,267	-159	-1.7%
72.8%	9,364	9,035	-329	-3.5%
74.1%	8,840	8,976	135	1.5%
75.3%	8,812	8,785	-27	-0.3%
76.5%	8,686	8,638	-48	-0.6%
77.8%	8,623	8,623	0	0.0%
79.0%	8,394	8,588	194	2.3%
80.2%	8,259	8,395	136	1.6%
81.5%	8,060	8,225	165	2.0%
82.7%	8,019	8,127	108	1.3%
84.0%	7,929	8,111	182	2.3%
85.2%	7,813	7,856	43	0.6%
86.4%	7,701	7,785	85	1.1%
87.7%	7,458	7,707	249	3.3%
88.9%	7,318	7,621	303	4.1%
90.1%	7,308	7,417	109	1.5%
91.4%	6,914	7,243	328	4.7%
92.6%	6,896	7,217	320	4.6%
93.8%	6,717	7,133	416	6.2%
95.1%	6,618	6,660	42	0.6%
96.3%	6,153	6,524	371	6.0%
97.5%	4,506	5,471	965	21.4%
98.8%	3,862	5,108	1,245	32.2%
100.0%	3,120	3,120	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,188	14,188	0	0.0%
1.2%	13,745	13,837	92	0.7%
2.5%	13,164	12,958	-206	-1.6%
3.7%	12,946	12,603	-343	-2.6%
4.9%	12,875	12,528	-347	-2.7%
6.2%	12,383	12,448	65	0.5%
7.4%	12,375	12,423	48	0.4%
8.6%	12,357	12,383	26	0.2%
9.9%	12,350	12,343	-7	-0.1%
11.1%	12,329	12,306	-23	-0.2%
12.3%	12,301	12,265	-36	-0.3%
13.6%	12,237	12,189	-48	-0.4%
14.8%	12,192	12,124	-67	-0.6%
16.0%	12,014	12,069	55	0.5%
17.3%	12,005	11,874	-132	-1.1%
18.5%	11,982	11,796	-186	-1.6%
19.8%	11,856	11,755	-101	-0.8%
21.0%	11,765	11,520	-245	-2.1%
22.2%	11,617	11,375	-243	-2.1%
23.5%	11,615	11,361	-254	-2.2%
24.7%	11,594	11,335	-259	-2.2%
25.9%	11,470	11,280	-190	-1.7%
27.2%	11,443	11,276	-168	-1.5%
28.4%	11,223	11,265	42	0.4%
29.6%	11,169	11,257	88	0.8%
30.9%	11,135	11,173	38	0.3%
32.1%	11,085	11,143	58	0.5%
33.3%	10,990	10,983	-7	-0.1%
34.6%	10,925	10,841	-84	-0.8%
35.8%	10,888	10,791	-98	-0.9%
37.0%	10,881	10,786	-96	-0.9%
38.3%	10,846	10,578	-268	-2.5%
39.5%	10,569	10,577	8	0.1%
40.7%	10,493	10,312	-181	-1.7%
42.0%	10,457	10,280	-177	-1.7%
43.2%	10,404	10,202	-202	-1.9%
44.4%	10,381	10,158	-223	-2.1%
45.7%	10,380	10,067	-313	-3.0%
46.9%	10,102	10,055	-47	-0.5%
48.1%	10,006	9,967	-39	-0.4%
49.4%	9,863	9,940	78	0.8%
50.6%	9,859	9,909	50	0.5%
51.9%	9,831	9,805	-26	-0.3%
53.1%	9,762	9,759	-3	0.0%
54.3%	9,758	9,736	-22	-0.2%
55.6%	9,750	9,706	-44	-0.5%
56.8%	9,665	9,684	19	0.2%
58.0%	9,637	9,624	-13	-0.1%
59.3%	9,632	9,571	-61	-0.6%
60.5%	9,627	9,534	-93	-1.0%
61.7%	9,586	9,532	-54	-0.6%
63.0%	9,529	9,491	-38	-0.4%
64.2%	9,512	9,426	-86	-0.9%
65.4%	9,483	9,285	-198	-2.1%
66.7%	9,368	9,143	-224	-2.4%
67.9%	9,015	8,970	-45	-0.5%
69.1%	8,933	8,916	-18	-0.2%
70.4%	8,890	8,639	-251	-2.8%
71.6%	8,819	8,516	-303	-3.4%
72.8%	8,815	8,469	-346	-3.9%
74.1%	8,297	8,428	131	1.6%
75.3%	8,282	8,155	-127	-1.5%
76.5%	8,169	8,091	-78	-1.0%
77.8%	8,091	8,048	-43	-0.5%
79.0%	7,852	7,914	62	0.8%
80.2%	7,773	7,880	107	1.4%
81.5%	7,540	7,681	141	1.9%
82.7%	7,025	7,481	456	6.5%
84.0%	7,023	7,304	281	4.0%
85.2%	6,922	7,118	196	2.8%
86.4%	6,914	7,082	168	2.4%
87.7%	6,769	7,070	301	4.4%
88.9%	6,746	6,914	168	2.5%
90.1%	6,676	6,868	191	2.9%
91.4%	6,670	6,719	49	0.7%
92.6%	6,472	6,681	209	3.2%
93.8%	6,250	6,591	341	5.5%
95.1%	6,248	6,415	167	2.7%
96.3%	5,879	6,278	400	6.8%
97.5%	4,178	5,209	1,031	24.7%
98.8%	3,940	4,704	764	19.4%
100.0%	3,120	3,940	820	26.3%

Figure SW-04-b
Trinity River below Lewiston Reservoir, Monthly Flow
Probability of Exceedance

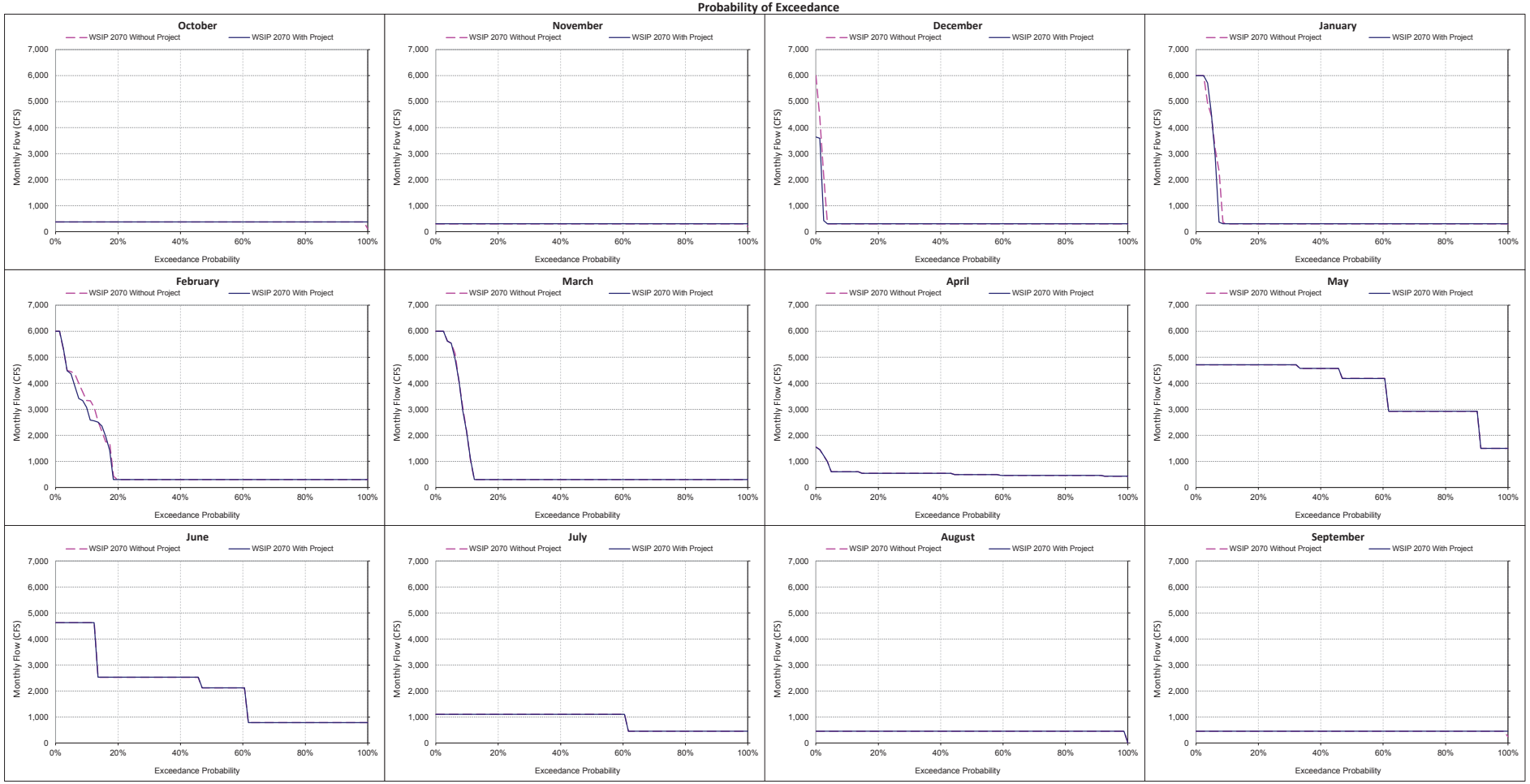


Table SW-04-b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	373	373	0	0.0%
1.2%	373	373	0	0.0%
2.5%	373	373	0	0.0%
3.7%	373	373	0	0.0%
4.9%	373	373	0	0.0%
6.2%	373	373	0	0.0%
7.4%	373	373	0	0.0%
8.6%	373	373	0	0.0%
9.9%	373	373	0	0.0%
11.1%	373	373	0	0.0%
12.3%	373	373	0	0.0%
13.6%	373	373	0	0.0%
14.8%	373	373	0	0.0%
16.0%	373	373	0	0.0%
17.3%	373	373	0	0.0%
18.5%	373	373	0	0.0%
19.8%	373	373	0	0.0%
21.0%	373	373	0	0.0%
22.2%	373	373	0	0.0%
23.5%	373	373	0	0.0%
24.7%	373	373	0	0.0%
25.9%	373	373	0	0.0%
27.2%	373	373	0	0.0%
28.4%	373	373	0	0.0%
29.6%	373	373	0	0.0%
30.9%	373	373	0	0.0%
32.1%	373	373	0	0.0%
33.3%	373	373	0	0.0%
34.6%	373	373	0	0.0%
35.8%	373	373	0	0.0%
37.0%	373	373	0	0.0%
38.3%	373	373	0	0.0%
39.5%	373	373	0	0.0%
40.7%	373	373	0	0.0%
42.0%	373	373	0	0.0%
43.2%	373	373	0	0.0%
44.4%	373	373	0	0.0%
45.7%	373	373	0	0.0%
46.9%	373	373	0	0.0%
48.1%	373	373	0	0.0%
49.4%	373	373	0	0.0%
50.6%	373	373	0	0.0%
51.9%	373	373	0	0.0%
53.1%	373	373	0	0.0%
54.3%	373	373	0	0.0%
55.6%	373	373	0	0.0%
56.8%	373	373	0	0.0%
58.0%	373	373	0	0.0%
59.3%	373	373	0	0.0%
60.5%	373	373	0	0.0%
61.7%	373	373	0	0.0%
63.0%	373	373	0	0.0%
64.2%	373	373	0	0.0%
65.4%	373	373	0	0.0%
66.7%	373	373	0	0.0%
67.9%	373	373	0	0.0%
69.1%	373	373	0	0.0%
70.4%	373	373	0	0.0%
71.6%	373	373	0	0.0%
72.8%	373	373	0	0.0%
74.1%	373	373	0	0.0%
75.3%	373	373	0	0.0%
76.5%	373	373	0	0.0%
77.8%	373	373	0	0.0%
79.0%	373	373	0	0.0%
80.2%	373	373	0	0.0%
81.5%	373	373	0	0.0%
82.7%	373	373	0	0.0%
84.0%	373	373	0	0.0%
85.2%	373	373	0	0.0%
86.4%	373	373	0	0.0%
87.7%	373	373	0	0.0%
88.9%	373	373	0	0.0%
90.1%	373	373	0	0.0%
91.4%	373	373	0	0.0%
92.6%	373	373	0	0.0%
93.8%	373	373	0	0.0%
95.1%	373	373	0	0.0%
96.3%	373	373	0	0.0%
97.5%	373	373	0	0.0%
98.8%	373	373	0	0.0%
100.0%	107	373	266	249.6%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	300	300	0	0.0%
1.2%	300	300	0	0.0%
2.5%	300	300	0	0.0%
3.7%	300	300	0	0.0%
4.9%	300	300	0	0.0%
6.2%	300	300	0	0.0%
7.4%	300	300	0	0.0%
8.6%	300	300	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	192	300	108	56.4%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	3,641	-2,359	-39.3%
1.2%	4,401	3,594	-807	-18.3%
2.5%	2,200	429	-1,771	-80.5%
3.7%	300	300	0	0.0%
4.9%	300	300	0	0.0%
6.2%	300	300	0	0.0%
7.4%	300	300	0	0.0%
8.6%	300	300	0	0.0%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	6,000	6,000	0	0.0%
2.5%	6,000	6,000	0	0.0%
3.7%	4,947	5,721	774	15.6%
4.9%	4,453	4,592	139	3.1%
6.2%	3,156	2,909	-248	-7.8%
7.4%	2,324	361	-1,963	-84.5%
8.6%	354	300	-54	-15.4%
9.9%	300	300	0	0.0%
11.1%	300	300	0	0.0%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

Table SW-04-b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	6,000	6,000	0	0.0%
2.5%	5,314	5,320	6	0.1%
3.7%	4,489	4,489	0	0.0%
4.9%	4,451	4,360	-91	-2.1%
6.2%	4,360	3,886	-474	-10.9%
7.4%	4,004	3,419	-585	-14.6%
8.6%	3,676	3,338	-338	-9.2%
9.9%	3,338	3,072	-266	-8.0%
11.1%	3,328	2,589	-739	-22.2%
12.3%	3,072	2,558	-513	-16.7%
13.6%	2,534	2,510	-24	-1.0%
14.8%	2,145	2,355	210	9.8%
16.0%	1,745	1,948	202	11.6%
17.3%	1,742	1,417	-325	-18.7%
18.5%	430	300	-130	-30.3%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,000	6,000	0	0.0%
1.2%	6,000	6,000	0	0.0%
2.5%	6,000	6,000	0	0.0%
3.7%	5,626	5,626	0	0.0%
4.9%	5,539	5,539	0	0.0%
6.2%	5,146	4,922	-224	-4.3%
7.4%	4,083	4,083	0	0.0%
8.6%	3,079	2,969	-109	-3.6%
9.9%	2,152	2,152	0	0.0%
11.1%	1,039	1,084	45	4.3%
12.3%	300	300	0	0.0%
13.6%	300	300	0	0.0%
14.8%	300	300	0	0.0%
16.0%	300	300	0	0.0%
17.3%	300	300	0	0.0%
18.5%	300	300	0	0.0%
19.8%	300	300	0	0.0%
21.0%	300	300	0	0.0%
22.2%	300	300	0	0.0%
23.5%	300	300	0	0.0%
24.7%	300	300	0	0.0%
25.9%	300	300	0	0.0%
27.2%	300	300	0	0.0%
28.4%	300	300	0	0.0%
29.6%	300	300	0	0.0%
30.9%	300	300	0	0.0%
32.1%	300	300	0	0.0%
33.3%	300	300	0	0.0%
34.6%	300	300	0	0.0%
35.8%	300	300	0	0.0%
37.0%	300	300	0	0.0%
38.3%	300	300	0	0.0%
39.5%	300	300	0	0.0%
40.7%	300	300	0	0.0%
42.0%	300	300	0	0.0%
43.2%	300	300	0	0.0%
44.4%	300	300	0	0.0%
45.7%	300	300	0	0.0%
46.9%	300	300	0	0.0%
48.1%	300	300	0	0.0%
49.4%	300	300	0	0.0%
50.6%	300	300	0	0.0%
51.9%	300	300	0	0.0%
53.1%	300	300	0	0.0%
54.3%	300	300	0	0.0%
55.6%	300	300	0	0.0%
56.8%	300	300	0	0.0%
58.0%	300	300	0	0.0%
59.3%	300	300	0	0.0%
60.5%	300	300	0	0.0%
61.7%	300	300	0	0.0%
63.0%	300	300	0	0.0%
64.2%	300	300	0	0.0%
65.4%	300	300	0	0.0%
66.7%	300	300	0	0.0%
67.9%	300	300	0	0.0%
69.1%	300	300	0	0.0%
70.4%	300	300	0	0.0%
71.6%	300	300	0	0.0%
72.8%	300	300	0	0.0%
74.1%	300	300	0	0.0%
75.3%	300	300	0	0.0%
76.5%	300	300	0	0.0%
77.8%	300	300	0	0.0%
79.0%	300	300	0	0.0%
80.2%	300	300	0	0.0%
81.5%	300	300	0	0.0%
82.7%	300	300	0	0.0%
84.0%	300	300	0	0.0%
85.2%	300	300	0	0.0%
86.4%	300	300	0	0.0%
87.7%	300	300	0	0.0%
88.9%	300	300	0	0.0%
90.1%	300	300	0	0.0%
91.4%	300	300	0	0.0%
92.6%	300	300	0	0.0%
93.8%	300	300	0	0.0%
95.1%	300	300	0	0.0%
96.3%	300	300	0	0.0%
97.5%	300	300	0	0.0%
98.8%	300	300	0	0.0%
100.0%	300	300	0	0.0%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,553	1,553	0	0.0%
1.2%	1,450	1,450	0	0.0%
2.5%	1,217	1,217	0	0.0%
3.7%	991	991	0	0.0%
4.9%	600	600	0	0.0%
6.2%	600	600	0	0.0%
7.4%	600	600	0	0.0%
8.6%	600	600	0	0.0%
9.9%	600	600	0	0.0%
11.1%	600	600	0	0.0%
12.3%	600	600	0	0.0%
13.6%	600	600	0	0.0%
14.8%	540	540	0	0.0%
16.0%	540	540	0	0.0%
17.3%	540	540	0	0.0%
18.5%	540	540	0	0.0%
19.8%	540	540	0	0.0%
21.0%	540	540	0	0.0%
22.2%	540	540	0	0.0%
23.5%	540	540	0	0.0%
24.7%	540	540	0	0.0%
25.9%	540	540	0	0.0%
27.2%	540	540	0	0.0%
28.4%	540	540	0	0.0%
29.6%	540	540	0	0.0%
30.9%	540	540	0	0.0%
32.1%	540	540	0	0.0%
33.3%	540	540	0	0.0%
34.6%	540	540	0	0.0%
35.8%	540	540	0	0.0%
37.0%	540	540	0	0.0%
38.3%	540	540	0	0.0%
39.5%	540	540	0	0.0%
40.7%	540	540	0	0.0%
42.0%	540	540	0	0.0%
43.2%	540	540	0	0.0%
44.4%	493	493	0	0.0%
45.7%	493	493	0	0.0%
46.9%	493	493	0	0.0%
48.1%	493	493	0	0.0%
49.4%	493	493	0	0.0%
50.6%	493	493	0	0.0%
51.9%	493	493	0	0.0%
53.1%	493	493	0	0.0%
54.3%	493	493	0	0.0%
55.6%	493	493	0	0.0%
56.8%	493	493	0	0.0%
58.0%	493	493	0	0.0%
59.3%	460	460	0	0.0%
60.5%	460	460	0	0.0%
61.7%	460	460	0	0.0%
63.0%	460	460	0	0.0%
64.2%	460	460	0	0.0%
65.4%	460	460	0	0.0%
66.7%	460	460	0	0.0%
67.9%	460	460	0	0.0%
69.1%	460	460	0	0.0%
70.4%	460	460	0	0.0%
71.6%	460	460	0	0.0%
72.8%	460	460	0	0.0%
74.1%	460	460	0	0.0%
75.3%	460	460	0	0.0%
76.5%	460	460	0	0.0%
77.8%	460	460	0	0.0%
79.0%	460	460	0	0.0%
80.2%	460	460	0	0.0%
81.5%	460	460	0	0.0%
82.7%	460	460	0	0.0%
84.0%	460	460	0	0.0%
85.2%	460	460	0	0.0%
86.4%	460	460	0	0.0%
87.7%	460	460	0	0.0%
88.9%	460	460	0	0.0%
90.1%	460	460	0	0.0%
91.4%	460	460	0	0.0%
92.6%	427	427	0	0.0%
93.8%	427	427	0	0.0%
95.1%	427	427	0	0.0%
96.3%	427	427	0	0.0%
97.5%	427	427	0	0.0%
98.8%	427	427	0	0.0%
100.0%	427	427	0	0.0%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,709	4,709	0	0.0%
1.2%	4,709	4,709	0	0.0%
2.5%	4,709	4,709	0	0.0%
3.7%	4,709	4,709	0	0.0%
4.9%	4,709	4,709	0	0.0%
6.2%	4,709	4,709	0	0.0%
7.4%	4,709	4,709	0	0.0%
8.6%	4,709	4,709	0	0.0%
9.9%	4,709	4,709	0	0.0%
11.1%	4,709	4,709	0	0.0%
12.3%	4,709	4,709	0	0.0%
13.6%	4,709	4,709	0	0.0%
14.8%	4,709	4,709	0	0.0%
16.0%	4,709	4,709	0	0.0%
17.3%	4,709	4,709	0	0.0%
18.5%	4,709	4,709	0	0.0%
19.8%	4,709	4,709	0	0.0%
21.0%	4,709	4,709	0	0.0%
22.2%	4,709	4,709	0	0.0%
23.5%	4,709	4,709	0	0.0%
24.7%	4,709	4,709	0	0.0%
25.9%	4,709	4,709	0	0.0%
27.2%	4,709	4,709	0	0.0%
28.4%	4,709	4,709	0	0.0%
29.6%	4,709	4,709	0	0.0%
30.9%	4,709	4,709	0	0.0%
32.1%	4,709	4,709	0	0.0%
33.3%	4,570	4,570	0	0.0%
34.6%	4,570	4,570	0	0.0%
35.8%	4,570	4,570	0	0.0%
37.0%	4,570	4,570	0	0.0%
38.3%	4,570	4,570	0	0.0%
39.5%	4,570	4,570	0	0.0%
40.7%	4,570	4,570	0	0.0%
42.0%	4,570	4,570	0	0.0%
43.2%	4,570	4,570	0	0.0%
44.4%	4,570	4,570	0	0.0%
45.7%	4,570	4,570	0	0.0%
46.9%	4,189	4,189	0	0.0%
48.1%	4,189	4,189	0	0.0%
49.4%	4,189	4,189	0	0.0%
50.6%	4,189	4,189	0	0.0%
51.9%	4,189	4,189	0	0.0%
53.1%	4,189	4,189	0	0.0%
54.3%	4,189	4,189	0	0.0%
55.6%	4,189	4,189	0	0.0%
56.8%	4,189	4,189	0	0.0%
58.0%	4,189	4,189	0	0.0%
59.3%	4,189	4,189	0	0.0%
60.5%	4,189	4,189	0	0.0%
61.7%	2,924	2,924	0	0.0%
63.0%	2,924	2,924	0	0.0%
64.2%	2,924	2,924	0	0.0%
65.4%	2,924	2,924	0	0.0%
66.7%	2,924	2,924	0	0.0%
67.9%	2,924	2,924	0	0.0%
69.1%	2,924	2,924	0	0.0%
70.4%	2,924	2,924	0	0.0%
71.6%	2,924	2,924	0	0.0%
72.8%	2,924	2,924	0	0.0%
74.1%	2,924	2,924	0	0.0%
75.3%	2,924	2,924	0	0.0%
76.5%	2,924	2,924	0	0.0%
77.8%	2,924	2,924	0	0.0%
79.0%	2,924	2,924	0	0.0%
80.2%	2,924	2,924	0	0.0%
81.5%	2,924	2,924	0	0.0%
82.7%	2,924	2,924	0	0.0%
84.0%	2,924	2,924	0	0.0%
85.2%	2,924	2,924	0	0.0%
86.4%	2,924	2,924	0	0.0%
87.7%	2,924	2,924	0	0.0%
88.9%	2,924	2,924	0	0.0%
90.1%	2,924	2,924	0	0.0%
91.4%	1,498	1,498	0	0.0%
92.6%	1,498	1,498	0	0.0%
93.8%	1,498	1,498	0	0.0%
95.1%	1,498	1,498	0	0.0%
96.3%	1,498	1,498	0	0.0%
97.5%	1,498	1,498	0	0.0%
98.8%	1,498	1,498	0	0.0%
100.0%	1,498	1,498	0	0.0%

Table SW-04-b

Trinity River below Lewiston Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,626	4,626	0	0.0%
1.2%	4,626	4,626	0	0.0%
2.5%	4,626	4,626	0	0.0%
3.7%	4,626	4,626	0	0.0%
4.9%	4,626	4,626	0	0.0%
6.2%	4,626	4,626	0	0.0%
7.4%	4,626	4,626	0	0.0%
8.6%	4,626	4,626	0	0.0%
9.9%	4,626	4,626	0	0.0%
11.1%	4,626	4,626	0	0.0%
12.3%	4,626	4,626	0	0.0%
13.6%	2,526	2,526	0	0.0%
14.8%	2,526	2,526	0	0.0%
16.0%	2,526	2,526	0	0.0%
17.3%	2,526	2,526	0	0.0%
18.5%	2,526	2,526	0	0.0%
19.8%	2,526	2,526	0	0.0%
21.0%	2,526	2,526	0	0.0%
22.2%	2,526	2,526	0	0.0%
23.5%	2,526	2,526	0	0.0%
24.7%	2,526	2,526	0	0.0%
25.9%	2,526	2,526	0	0.0%
27.2%	2,526	2,526	0	0.0%
28.4%	2,526	2,526	0	0.0%
29.6%	2,526	2,526	0	0.0%
30.9%	2,526	2,526	0	0.0%
32.1%	2,526	2,526	0	0.0%
33.3%	2,526	2,526	0	0.0%
34.6%	2,526	2,526	0	0.0%
35.8%	2,526	2,526	0	0.0%
37.0%	2,526	2,526	0	0.0%
38.3%	2,526	2,526	0	0.0%
39.5%	2,526	2,526	0	0.0%
40.7%	2,526	2,526	0	0.0%
42.0%	2,526	2,526	0	0.0%
43.2%	2,526	2,526	0	0.0%
44.4%	2,526	2,526	0	0.0%
45.7%	2,526	2,526	0	0.0%
46.9%	2,120	2,120	0	0.0%
48.1%	2,120	2,120	0	0.0%
49.4%	2,120	2,120	0	0.0%
50.6%	2,120	2,120	0	0.0%
51.9%	2,120	2,120	0	0.0%
53.1%	2,120	2,120	0	0.0%
54.3%	2,120	2,120	0	0.0%
55.6%	2,120	2,120	0	0.0%
56.8%	2,120	2,120	0	0.0%
58.0%	2,120	2,120	0	0.0%
59.3%	2,120	2,120	0	0.0%
60.5%	2,120	2,120	0	0.0%
61.7%	783	783	0	0.0%
63.0%	783	783	0	0.0%
64.2%	783	783	0	0.0%
65.4%	783	783	0	0.0%
66.7%	783	783	0	0.0%
67.9%	783	783	0	0.0%
69.1%	783	783	0	0.0%
70.4%	783	783	0	0.0%
71.6%	783	783	0	0.0%
72.8%	783	783	0	0.0%
74.1%	783	783	0	0.0%
75.3%	783	783	0	0.0%
76.5%	783	783	0	0.0%
77.8%	783	783	0	0.0%
79.0%	783	783	0	0.0%
80.2%	783	783	0	0.0%
81.5%	783	783	0	0.0%
82.7%	783	783	0	0.0%
84.0%	783	783	0	0.0%
85.2%	783	783	0	0.0%
86.4%	783	783	0	0.0%
87.7%	783	783	0	0.0%
88.9%	783	783	0	0.0%
90.1%	783	783	0	0.0%
91.4%	783	783	0	0.0%
92.6%	783	783	0	0.0%
93.8%	783	783	0	0.0%
95.1%	783	783	0	0.0%
96.3%	783	783	0	0.0%
97.5%	783	783	0	0.0%
98.8%	783	783	0	0.0%
100.0%	783	783	0	0.0%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	1,102	1,102	0	0.0%
1.2%	1,102	1,102	0	0.0%
2.5%	1,102	1,102	0	0.0%
3.7%	1,102	1,102	0	0.0%
4.9%	1,102	1,102	0	0.0%
6.2%	1,102	1,102	0	0.0%
7.4%	1,102	1,102	0	0.0%
8.6%	1,102	1,102	0	0.0%
9.9%	1,102	1,102	0	0.0%
11.1%	1,102	1,102	0	0.0%
12.3%	1,102	1,102	0	0.0%
13.6%	1,102	1,102	0	0.0%
14.8%	1,102	1,102	0	0.0%
16.0%	1,102	1,102	0	0.0%
17.3%	1,102	1,102	0	0.0%
18.5%	1,102	1,102	0	0.0%
19.8%	1,102	1,102	0	0.0%
21.0%	1,102	1,102	0	0.0%
22.2%	1,102	1,102	0	0.0%
23.5%	1,102	1,102	0	0.0%
24.7%	1,102	1,102	0	0.0%
25.9%	1,102	1,102	0	0.0%
27.2%	1,102	1,102	0	0.0%
28.4%	1,102	1,102	0	0.0%
29.6%	1,102	1,102	0	0.0%
30.9%	1,102	1,102	0	0.0%
32.1%	1,102	1,102	0	0.0%
33.3%	1,102	1,102	0	0.0%
34.6%	1,102	1,102	0	0.0%
35.8%	1,102	1,102	0	0.0%
37.0%	1,102	1,102	0	0.0%
38.3%	1,102	1,102	0	0.0%
39.5%	1,102	1,102	0	0.0%
40.7%	1,102	1,102	0	0.0%
42.0%	1,102	1,102	0	0.0%
43.2%	1,102	1,102	0	0.0%
44.4%	1,102	1,102	0	0.0%
45.7%	1,102	1,102	0	0.0%
46.9%	1,102	1,102	0	0.0%
48.1%	1,102	1,102	0	0.0%
49.4%	1,102	1,102	0	0.0%
50.6%	1,102	1,102	0	0.0%
51.9%	1,102	1,102	0	0.0%
53.1%	1,102	1,102	0	0.0%
54.3%	1,102	1,102	0	0.0%
55.6%	1,102	1,102	0	0.0%
56.8%	1,102	1,102	0	0.0%
58.0%	1,102	1,102	0	0.0%
59.3%	1,102	1,102	0	0.0%
60.5%	1,102	1,102	0	0.0%
61.7%	450	450	0	0.0%
63.0%	450	450	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	450	450	0	0.0%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%
14.8%	450	450	0	0.0%
16.0%	450	450	0	0.0%
17.3%	450	450	0	0.0%
18.5%	450	450	0	0.0%
19.8%	450	450	0	0.0%
21.0%	450	450	0	0.0%
22.2%	450	450	0	0.0%
23.5%	450	450	0	0.0%
24.7%	450	450	0	0.0%
25.9%	450	450	0	0.0%
27.2%	450	450	0	0.0%
28.4%	450	450	0	0.0%
29.6%	450	450	0	0.0%
30.9%	450	450	0	0.0%
32.1%	450	450	0	0.0%
33.3%	450	450	0	0.0%
34.6%	450	450	0	0.0%
35.8%	450	450	0	0.0%
37.0%	450	450	0	0.0%
38.3%	450	450	0	0.0%
39.5%	450	450	0	0.0%
40.7%	450	450	0	0.0%
42.0%	450	450	0	0.0%
43.2%	450	450	0	0.0%
44.4%	450	450	0	0.0%
45.7%	450	450	0	0.0%
46.9%	450	450	0	0.0%
48.1%	450	450	0	0.0%
49.4%	450	450	0	0.0%
50.6%	450	450	0	0.0%
51.9%	450	450	0	0.0%
53.1%	450	450	0	0.0%
54.3%	450	450	0	0.0%
55.6%	450	450	0	0.0%
56.8%	450	450	0	0.0%
58.0%	450	450	0	0.0%
59.3%	450	450	0	0.0%
60.5%	450	450	0	0.0%
61.7%	450	450	0	0.0%
63.0%	450	450	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	0	0	0	

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	450	450	0	0.0%
1.2%	450	450	0	0.0%
2.5%	450	450	0	0.0%
3.7%	450	450	0	0.0%
4.9%	450	450	0	0.0%
6.2%	450	450	0	0.0%
7.4%	450	450	0	0.0%
8.6%	450	450	0	0.0%
9.9%	450	450	0	0.0%
11.1%	450	450	0	0.0%
12.3%	450	450	0	0.0%
13.6%	450	450	0	0.0%
14.8%	450	450	0	0.0%
16.0%	450	450	0	0.0%
17.3%	450	450	0	0.0%
18.5%	450	450	0	0.0%
19.8%	450	450	0	0.0%
21.0%	450	450	0	0.0%
22.2%	450	450	0	0.0%
23.5%	450	450	0	0.0%
24.7%	450	450	0	0.0%
25.9%	450	450	0	0.0%
27.2%	450	450	0	0.0%
28.4%	450	450	0	0.0%
29.6%	450	450	0	0.0%
30.9%	450	450	0	0.0%
32.1%	450	450	0	0.0%
33.3%	450	450	0	0.0%
34.6%	450	450	0	0.0%
35.8%	450	450	0	0.0%
37.0%	450	450	0	0.0%
38.3%	450	450	0	0.0%
39.5%	450	450	0	0.0%
40.7%	450	450	0	0.0%
42.0%	450	450	0	0.0%
43.2%	450	450	0	0.0%
44.4%	450	450	0	0.0%
45.7%	450	450	0	0.0%
46.9%	450	450	0	0.0%
48.1%	450	450	0	0.0%
49.4%	450	450	0	0.0%
50.6%	450	450	0	0.0%
51.9%	450	450	0	0.0%
53.1%	450	450	0	0.0%
54.3%	450	450	0	0.0%
55.6%	450	450	0	0.0%
56.8%	450	450	0	0.0%
58.0%	450	450	0	0.0%
59.3%	450	450	0	0.0%
60.5%	450	450	0	0.0%
61.7%	450	450	0	0.0%
63.0%	450	450	0	0.0%
64.2%	450	450	0	0.0%
65.4%	450	450	0	0.0%
66.7%	450	450	0	0.0%
67.9%	450	450	0	0.0%
69.1%	450	450	0	0.0%
70.4%	450	450	0	0.0%
71.6%	450	450	0	0.0%
72.8%	450	450	0	0.0%
74.1%	450	450	0	0.0%
75.3%	450	450	0	0.0%
76.5%	450	450	0	0.0%
77.8%	450	450	0	0.0%
79.0%	450	450	0	0.0%
80.2%	450	450	0	0.0%
81.5%	450	450	0	0.0%
82.7%	450	450	0	0.0%
84.0%	450	450	0	0.0%
85.2%	450	450	0	0.0%
86.4%	450	450	0	0.0%
87.7%	450	450	0	0.0%
88.9%	450	450	0	0.0%
90.1%	450	450	0	0.0%
91.4%	450	450	0	0.0%
92.6%	450	450	0	0.0%
93.8%	450	450	0	0.0%
95.1%	450	450	0	0.0%
96.3%	450	450	0	0.0%
97.5%	450	450	0	0.0%
98.8%	450	450	0	0.0%
100.0%	244	450	206	84.6%

Figure SW-05-b
Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

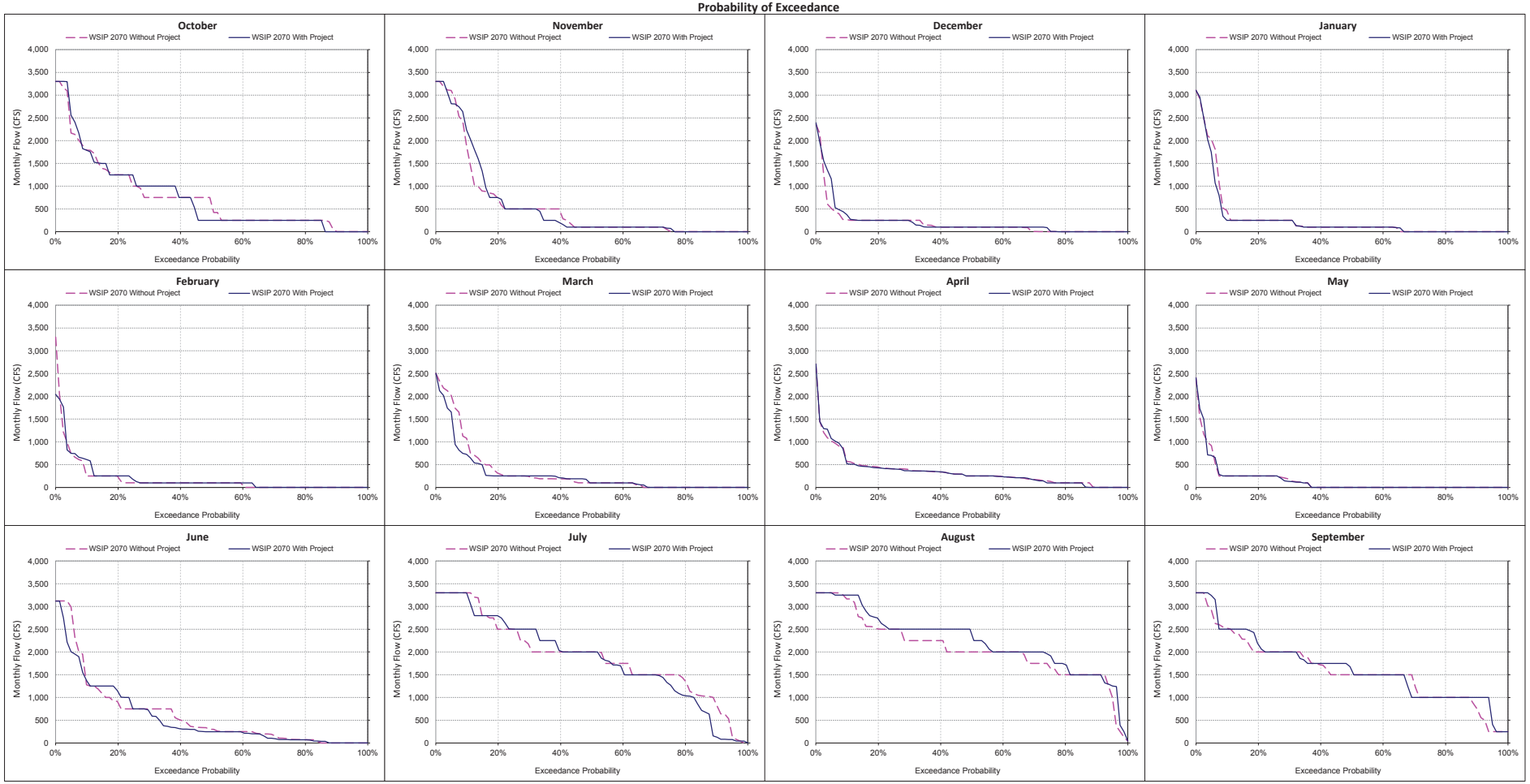


Table SW-05-b

Clear Creek Tunnel, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,163	3,300	137	4.3%
3.7%	3,096	3,294	197	6.4%
4.9%	2,168	2,557	390	18.0%
6.2%	2,138	2,408	270	12.6%
7.4%	2,010	2,168	159	7.9%
8.6%	1,899	1,824	-75	-3.9%
9.9%	1,791	1,789	-2	-0.1%
11.1%	1,788	1,754	-34	-1.9%
12.3%	1,717	1,525	-192	-11.2%
13.6%	1,518	1,507	-11	-0.7%
14.8%	1,393	1,500	107	7.7%
16.0%	1,368	1,500	132	9.7%
17.3%	1,301	1,250	-51	-3.9%
18.5%	1,250	1,250	0	0.0%
19.8%	1,250	1,250	0	0.0%
21.0%	1,250	1,250	0	0.0%
22.2%	1,250	1,250	0	0.0%
23.5%	1,250	1,250	0	0.0%
24.7%	1,000	1,250	250	25.0%
25.9%	1,000	1,000	0	0.0%
27.2%	955	1,000	45	4.7%
28.4%	750	1,000	250	33.3%
29.6%	750	1,000	250	33.3%
30.9%	750	1,000	250	33.3%
32.1%	750	1,000	250	33.3%
33.3%	750	1,000	250	33.3%
34.6%	750	1,000	250	33.3%
35.8%	750	1,000	250	33.3%
37.0%	750	1,000	250	33.3%
38.3%	750	1,000	250	33.3%
39.5%	750	750	0	0.0%
40.7%	750	750	0	0.0%
42.0%	750	750	0	0.0%
43.2%	750	750	0	0.0%
44.4%	750	536	-214	-28.5%
45.7%	750	250	-500	-66.7%
46.9%	750	250	-500	-66.7%
48.1%	750	250	-500	-66.7%
49.4%	750	250	-500	-66.7%
50.6%	421	250	-171	-40.6%
51.9%	420	250	-170	-40.5%
53.1%	250	250	0	0.0%
54.3%	250	250	0	0.0%
55.6%	250	250	0	0.0%
56.8%	250	250	0	0.0%
58.0%	250	250	0	0.0%
59.3%	250	250	0	0.0%
60.5%	250	250	0	0.0%
61.7%	250	250	0	0.0%
63.0%	250	250	0	0.0%
64.2%	250	250	0	0.0%
65.4%	250	250	0	0.0%
66.7%	250	250	0	0.0%
67.9%	250	250	0	0.0%
69.1%	250	250	0	0.0%
70.4%	250	250	0	0.0%
71.6%	250	250	0	0.0%
72.8%	250	250	0	0.0%
74.1%	250	250	0	0.0%
75.3%	250	250	0	0.0%
76.5%	250	250	0	0.0%
77.8%	250	250	0	0.0%
79.0%	250	250	0	0.0%
80.2%	250	250	0	0.0%
81.5%	250	250	0	0.0%
82.7%	250	250	0	0.0%
84.0%	250	250	0	0.0%
85.2%	250	250	0	0.0%
86.4%	250	0	-250	-100.0%
87.7%	215	0	-215	-100.0%
88.9%	54	0	-54	-100.0%
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,189	3,300	111	3.5%
3.7%	3,116	3,065	-51	-1.6%
4.9%	3,103	2,813	-290	-9.3%
6.2%	2,918	2,803	-115	-4.0%
7.4%	2,535	2,741	206	8.1%
8.6%	2,424	2,637	214	8.8%
9.9%	1,877	2,237	359	19.1%
11.1%	1,447	2,028	581	40.1%
12.3%	1,028	1,805	777	75.6%
13.6%	995	1,594	599	60.2%
14.8%	894	1,332	437	48.9%
16.0%	884	969	85	9.6%
17.3%	849	750	-99	-11.7%
18.5%	828	750	-78	-9.4%
19.8%	744	750	6	0.9%
21.0%	587	708	121	20.6%
22.2%	500	500	0	0.0%
23.5%	500	500	0	0.0%
24.7%	500	500	0	0.0%
25.9%	500	500	0	0.0%
27.2%	500	500	0	0.0%
28.4%	500	500	0	0.0%
29.6%	500	500	0	0.0%
30.9%	500	500	0	0.0%
32.1%	500	500	0	0.0%
33.3%	500	448	-52	-10.5%
34.6%	500	250	-250	-50.0%
35.8%	500	250	-250	-50.0%
37.0%	500	250	-250	-50.0%
38.3%	500	250	-250	-50.0%
39.5%	500	200	-300	-60.0%
40.7%	283	157	-126	-44.4%
42.0%	250	100	-150	-60.0%
43.2%	176	100	-76	-43.2%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	100	100	0	0.0%
67.9%	100	100	0	0.0%
69.1%	100	100	0	0.0%
70.4%	100	100	0	0.0%
71.6%	100	100	0	0.0%
72.8%	100	100	0	0.0%
74.1%	48	76	28	58.1%
75.3%	0	71	71	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,363	2,397	34	1.5%
1.2%	2,158	1,959	-199	-9.2%
2.5%	1,272	1,557	285	22.4%
3.7%	605	1,358	753	124.5%
4.9%	513	1,164	651	126.8%
6.2%	437	527	90	20.6%
7.4%	393	484	91	23.0%
8.6%	268	442	174	64.9%
9.9%	265	372	107	40.4%
11.1%	250	268	18	7.4%
12.3%	250	262	12	4.6%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	250	0	0.0%
28.4%	250	250	0	0.0%
29.6%	250	250	0	0.0%
30.9%	250	206	-44	-17.5%
32.1%	250	144	-106	-42.6%
33.3%	250	140	-110	-43.8%
34.6%	150	103	-47	-31.2%
35.8%	144	101	-42	-29.3%
37.0%	140	101	-39	-27.8%
38.3%	108	100	-8	-7.2%
39.5%	103	100	-3	-2.8%
40.7%	100	100	0	0.0%
42.0%	100	100	0	0.0%
43.2%	100	100	0	0.0%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	100	100	0	0.0%
65.4%	100	100	0	0.0%
66.7%	91	100	9	9.8%
67.9%	90	100	10	11.0%
69.1%	3	100	97	
70.4%	2	100	98	
71.6%	0	100	100	
72.8%	0	100	100	
74.1%	0	91	91	
75.3%	0	2	2	
76.5%	0	2	2	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,108	3,108	0	0.0%
1.2%	2,920	2,961	41	1.4%
2.5%	2,502	2,502	0	0.0%
3.7%	2,111	2,029	-81	-3.9%
4.9%	2,029	1,748	-281	-13.8%
6.2%	1,808	1,071	-736	-40.7%
7.4%	1,071	804	-267	-24.9%
8.6%	520	337	-183	-35.1%
9.9%	465	250	-215	-46.2%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	250	0	0.0%
28.4%	250	250	0	0.0%
29.6%	250	250	0	0.0%
30.9%	250	250	0	0.0%
32.1%	129	129	0	0.0%
33.3%	122	122	0	0.0%
34.6%	121	100	-21	-17.1%
35.8%	101	100	-1	-0.6%
37.0%	100	100	0	0.0%
38.3%	100	100	0	0.0%
39.5%	100	100	0	0.0%
40.7%	100	100	0	0.0%
42.0%	100	100	0	0.0%
43.2%	100	100	0	0.0%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	89	89	0	0.0%
65.4%	0	85	85	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-05-b

Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	2,046	-1,254	-38.0%
1.2%	2,046	1,936	-110	-5.4%
2.5%	1,216	1,761	544	44.7%
3.7%	985	822	-163	-16.5%
4.9%	742	749	8	1.1%
6.2%	664	742	77	11.6%
7.4%	612	664	52	8.5%
8.6%	582	638	57	9.7%
9.9%	250	612	362	145.0%
11.1%	250	582	332	132.7%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	128	250	122	94.7%
22.2%	100	250	150	150.0%
23.5%	100	250	150	150.0%
24.7%	100	178	78	78.3%
25.9%	100	128	28	28.4%
27.2%	100	100	0	0.0%
28.4%	100	100	0	0.0%
29.6%	100	100	0	0.0%
30.9%	100	100	0	0.0%
32.1%	100	100	0	0.0%
33.3%	100	100	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	100	0	0.0%
37.0%	100	100	0	0.0%
38.3%	100	100	0	0.0%
39.5%	100	100	0	0.0%
40.7%	100	100	0	0.0%
42.0%	100	100	0	0.0%
43.2%	100	100	0	0.0%
44.4%	100	100	0	0.0%
45.7%	100	100	0	0.0%
46.9%	100	100	0	0.0%
48.1%	100	100	0	0.0%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	0	100	100	
61.7%	0	100	100	
63.0%	0	100	100	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,505	2,505	0	0.0%
1.2%	2,329	2,124	-205	-8.8%
2.5%	2,181	2,019	-161	-7.4%
3.7%	2,124	1,742	-382	-18.0%
4.9%	2,019	1,653	-367	-18.2%
6.2%	1,742	943	-799	-45.9%
7.4%	1,653	817	-836	-50.6%
8.6%	1,127	749	-379	-33.6%
9.9%	1,078	725	-353	-32.8%
11.1%	749	643	-105	-14.1%
12.3%	707	537	-170	-24.0%
13.6%	643	526	-118	-18.3%
14.8%	537	495	-43	-8.0%
16.0%	495	264	-230	-46.5%
17.3%	494	259	-234	-47.5%
18.5%	392	250	-142	-36.3%
19.8%	314	250	-64	-20.5%
21.0%	281	250	-31	-11.1%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	250	250	0	0.0%
28.4%	250	250	0	0.0%
29.6%	243	250	7	2.7%
30.9%	212	250	38	18.0%
32.1%	207	250	43	20.9%
33.3%	190	250	60	31.5%
34.6%	189	250	61	32.1%
35.8%	189	250	61	32.5%
37.0%	188	250	62	32.6%
38.3%	188	243	55	29.5%
39.5%	187	212	25	13.2%
40.7%	187	207	20	10.5%
42.0%	186	191	6	3.0%
43.2%	179	190	11	6.3%
44.4%	120	188	69	57.3%
45.7%	100	188	88	87.9%
46.9%	100	186	86	86.4%
48.1%	100	179	79	78.9%
49.4%	100	100	0	0.0%
50.6%	100	100	0	0.0%
51.9%	100	100	0	0.0%
53.1%	100	100	0	0.0%
54.3%	100	100	0	0.0%
55.6%	100	100	0	0.0%
56.8%	100	100	0	0.0%
58.0%	100	100	0	0.0%
59.3%	100	100	0	0.0%
60.5%	100	100	0	0.0%
61.7%	100	100	0	0.0%
63.0%	100	100	0	0.0%
64.2%	58	75	17	29.5%
65.4%	53	58	5	9.7%
66.7%	0	53	53	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,708	2,708	0	0.0%
1.2%	1,450	1,441	-9	-0.6%
2.5%	1,208	1,291	83	6.9%
3.7%	1,086	1,278	191	17.6%
4.9%	1,019	1,076	57	5.6%
6.2%	971	1,019	48	5.0%
7.4%	907	971	64	7.0%
8.6%	899	852	-46	-5.2%
9.9%	570	522	-48	-8.4%
11.1%	558	509	-49	-8.7%
12.3%	522	508	-14	-2.8%
13.6%	509	473	-37	-7.2%
14.8%	475	461	-14	-2.9%
16.0%	473	458	-15	-3.1%
17.3%	461	449	-12	-2.7%
18.5%	458	432	-26	-5.6%
19.8%	449	426	-22	-4.9%
21.0%	426	423	-3	-0.7%
22.2%	423	409	-14	-3.3%
23.5%	409	409	0	0.0%
24.7%	409	404	-5	-1.2%
25.9%	409	401	-8	-2.1%
27.2%	408	395	-13	-3.3%
28.4%	404	367	-37	-9.0%
29.6%	395	364	-31	-7.7%
30.9%	364	363	-1	-0.4%
32.1%	360	360	0	0.1%
33.3%	359	360	1	0.2%
34.6%	358	358	0	0.0%
35.8%	355	355	0	0.0%
37.0%	350	352	2	0.5%
38.3%	342	350	8	2.3%
39.5%	338	342	4	1.3%
40.7%	337	338	1	0.2%
42.0%	322	322	0	0.0%
43.2%	301	301	0	0.0%
44.4%	294	294	0	0.0%
45.7%	291	291	0	0.0%
46.9%	289	289	0	0.0%
48.1%	250	250	0	0.0%
49.4%	250	250	0	0.0%
50.6%	250	250	0	0.0%
51.9%	250	250	0	0.0%
53.1%	250	250	0	0.0%
54.3%	250	250	0	0.0%
55.6%	250	250	0	0.0%
56.8%	250	250	0	0.0%
58.0%	250	239	-11	-4.4%
59.3%	239	239	0	-0.1%
60.5%	228	228	0	0.0%
61.7%	227	227	0	0.0%
63.0%	221	219	-2	-1.0%
64.2%	214	214	0	0.0%
65.4%	213	213	0	0.0%
66.7%	203	212	9	4.5%
67.9%	182	203	20	11.2%
69.1%	177	177	0	0.0%
70.4%	169	162	-6	-3.8%
71.6%	162	146	-17	-10.4%
72.8%	146	144	-2	-1.1%
74.1%	144	100	-44	-30.5%
75.3%	128	100	-28	-22.0%
76.5%	100	100	0	-0.1%
77.8%	100	100	0	0.0%
79.0%	100	100	0	0.0%
80.2%	100	100	0	0.0%
81.5%	100	100	0	0.0%
82.7%	100	100	0	0.0%
84.0%	100	100	0	0.0%
85.2%	100	100	0	0.0%
86.4%	100	6	-94	-94.3%
87.7%	100	1	-99	-98.5%
88.9%	6	0	-6	
90.1%	1	0	-1	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,409	2,409	0	0.0%
1.2%	1,543	1,728	186	12.0%
2.5%	1,173	1,500	327	27.9%
3.7%	992	715	-277	-27.9%
4.9%	915	701	-214	-23.4%
6.2%	527	654	127	24.1%
7.4%	250	284	34	13.5%
8.6%	250	250	0	0.0%
9.9%	250	250	0	0.0%
11.1%	250	250	0	0.0%
12.3%	250	250	0	0.0%
13.6%	250	250	0	0.0%
14.8%	250	250	0	0.0%
16.0%	250	250	0	0.0%
17.3%	250	250	0	0.0%
18.5%	250	250	0	0.0%
19.8%	250	250	0	0.0%
21.0%	250	250	0	0.0%
22.2%	250	250	0	0.0%
23.5%	250	250	0	0.0%
24.7%	250	250	0	0.0%
25.9%	250	250	0	0.0%
27.2%	223	206	-17	-7.6%
28.4%	206	142	-64	-31.1%
29.6%	186	134	-52	-27.8%
30.9%	134	125	-9	-7.1%
32.1%	125	116	-8	-6.6%
33.3%	114	114	0	0.0%
34.6%	100	100	0	0.0%
35.8%	100	100	0	0.0%
37.0%	0	0	0	
38.3%	0	0	0	
39.5%	0	0	0	
40.7%	0	0	0	
42.0%	0	0	0	
43.2%	0	0	0	
44.4%	0	0	0	
45.7%	0	0	0	
46.9%	0	0	0	
48.1%	0	0	0	
49.4%	0	0	0	
50.6%	0	0	0	
51.9%	0	0	0	
53.1%	0	0	0	
54.3%	0	0	0	
55.6%	0	0	0	
56.8%	0	0	0	
58.0%	0	0	0	
59.3%	0	0	0	
60.5%	0	0	0	
61.7%	0	0	0	
63.0%	0	0	0	
64.2%	0	0	0	
65.4%	0	0	0	
66.7%	0	0	0	
67.9%	0	0	0	
69.1%	0	0	0	
70.4%	0	0	0	
71.6%	0	0	0	
72.8%	0	0	0	
74.1%	0	0	0	
75.3%	0	0	0	
76.5%	0	0	0	
77.8%	0	0	0	
79.0%	0	0	0	
80.2%	0	0	0	
81.5%	0	0	0	
82.7%	0	0	0	
84.0%	0	0	0	
85.2%	0	0	0	
86.4%	0	0	0	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

Table SW-05-b

Clear Creek Tunnel, Monthly Flow
Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,122	3,121	-1	0.0%
1.2%	3,121	3,120	-2	-0.1%
2.5%	3,121	2,745	-376	-12.0%
3.7%	3,120	2,215	-905	-29.0%
4.9%	2,990	2,007	-983	-32.9%
6.2%	2,323	1,956	-368	-15.8%
7.4%	2,014	1,899	-115	-5.7%
8.6%	1,953	1,549	-404	-20.7%
9.9%	1,279	1,374	95	7.4%
11.1%	1,250	1,255	5	0.4%
12.3%	1,250	1,250	0	0.0%
13.6%	1,187	1,250	63	5.3%
14.8%	1,091	1,250	159	14.6%
16.0%	1,000	1,250	250	25.0%
17.3%	1,000	1,250	250	25.0%
18.5%	920	1,250	330	35.8%
19.8%	916	1,154	238	26.0%
21.0%	750	1,005	255	34.0%
22.2%	750	1,000	250	33.3%
23.5%	750	1,000	250	33.3%
24.7%	750	750	0	0.0%
25.9%	750	750	0	0.0%
27.2%	750	750	0	0.0%
28.4%	750	750	0	0.0%
29.6%	750	726	-24	-3.2%
30.9%	750	590	-160	-21.3%
32.1%	750	582	-168	-22.4%
33.3%	750	501	-249	-33.2%
34.6%	750	379	-371	-49.4%
35.8%	750	366	-384	-51.2%
37.0%	750	344	-406	-54.2%
38.3%	556	340	-216	-38.8%
39.5%	515	317	-198	-38.4%
40.7%	486	306	-180	-37.1%
42.0%	446	303	-143	-32.1%
43.2%	366	301	-65	-17.7%
44.4%	352	298	-54	-15.3%
45.7%	344	261	-83	-24.1%
46.9%	340	251	-89	-26.1%
48.1%	338	250	-88	-26.0%
49.4%	303	250	-53	-17.4%
50.6%	301	250	-51	-17.0%
51.9%	261	250	-11	-4.1%
53.1%	251	250	-1	-0.5%
54.3%	250	250	0	0.0%
55.6%	250	250	0	0.0%
56.8%	250	250	0	0.0%
58.0%	250	250	0	0.0%
59.3%	250	247	-3	-1.0%
60.5%	250	216	-34	-13.6%
61.7%	250	213	-37	-14.9%
63.0%	247	204	-44	-17.6%
64.2%	213	199	-13	-6.3%
65.4%	204	199	-5	-2.4%
66.7%	199	156	-44	-21.9%
67.9%	199	107	-91	-46.0%
69.1%	191	104	-87	-45.4%
70.4%	156	95	-60	-38.8%
71.6%	107	78	-29	-27.3%
72.8%	104	77	-27	-26.2%
74.1%	96	75	-21	-22.1%
75.3%	78	72	-6	-7.5%
76.5%	77	72	-5	-6.9%
77.8%	75	71	-4	-4.8%
79.0%	72	70	-3	-3.7%
80.2%	72	69	-3	-4.0%
81.5%	71	65	-6	-9.1%
82.7%	70	41	-29	-41.3%
84.0%	35	40	5	14.9%
85.2%	0	38	38	
86.4%	0	35	35	
87.7%	0	0	0	
88.9%	0	0	0	
90.1%	0	0	0	
91.4%	0	0	0	
92.6%	0	0	0	
93.8%	0	0	0	
95.1%	0	0	0	
96.3%	0	0	0	
97.5%	0	0	0	
98.8%	0	0	0	
100.0%	0	0	0	

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,300	0	0.0%
4.9%	3,300	3,300	0	0.0%
6.2%	3,300	3,300	0	0.0%
7.4%	3,300	3,300	0	0.0%
8.6%	3,300	3,300	0	0.0%
9.9%	3,300	3,300	0	0.0%
11.1%	3,300	3,056	-244	-7.4%
12.3%	3,207	2,802	-405	-12.6%
13.6%	3,191	2,801	-390	-12.2%
14.8%	2,800	2,800	0	0.0%
16.0%	2,800	2,800	0	0.0%
17.3%	2,750	2,800	50	1.8%
18.5%	2,750	2,800	50	1.8%
19.8%	2,500	2,800	300	12.0%
21.0%	2,500	2,750	250	10.0%
22.2%	2,500	2,636	136	5.5%
23.5%	2,500	2,508	8	0.3%
24.7%	2,500	2,500	0	0.0%
25.9%	2,500	2,500	0	0.0%
27.2%	2,250	2,500	250	11.1%
28.4%	2,250	2,500	250	11.1%
29.6%	2,181	2,500	319	14.6%
30.9%	2,000	2,500	500	25.0%
32.1%	2,000	2,500	500	25.0%
33.3%	2,000	2,250	250	12.5%
34.6%	2,000	2,250	250	12.5%
35.8%	2,000	2,250	250	12.5%
37.0%	2,000	2,250	250	12.5%
38.3%	2,000	2,250	250	12.5%
39.5%	2,000	2,036	36	1.8%
40.7%	2,000	2,000	0	0.0%
42.0%	2,000	2,000	0	0.0%
43.2%	2,000	2,000	0	0.0%
44.4%	2,000	2,000	0	0.0%
45.7%	2,000	2,000	0	0.0%
46.9%	2,000	2,000	0	0.0%
48.1%	2,000	2,000	0	0.0%
49.4%	2,000	2,000	0	0.0%
50.6%	2,000	2,000	0	0.0%
51.9%	2,000	2,000	0	0.0%
53.1%	1,988	1,864	-124	-6.2%
54.3%	1,750	1,817	67	3.8%
55.6%	1,750	1,794	44	2.5%
56.8%	1,750	1,717	-33	-1.9%
58.0%	1,750	1,713	-37	-2.1%
59.3%	1,750	1,696	-54	-3.1%
60.5%	1,750	1,500	-250	-14.3%
61.7%	1,750	1,500	-250	-14.3%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,500	0	0.0%
69.1%	1,500	1,500	0	0.0%
70.4%	1,500	1,500	0	0.0%
71.6%	1,500	1,482	-18	-1.2%
72.8%	1,500	1,442	-58	-3.9%
74.1%	1,500	1,330	-170	-11.3%
75.3%	1,500	1,268	-232	-15.5%
76.5%	1,500	1,147	-353	-23.5%
77.8%	1,500	1,092	-408	-27.2%
79.0%	1,442	1,050	-392	-27.2%
80.2%	1,340	1,037	-303	-22.6%
81.5%	1,133	1,027	-106	-9.3%
82.7%	1,092	1,000	-92	-8.4%
84.0%	1,050	852	-199	-18.9%
85.2%	1,037	718	-318	-30.7%
86.4%	1,027	676	-351	-34.2%
87.7%	1,022	635	-387	-37.8%
88.9%	1,000	158	-842	-84.2%
90.1%	815	129	-686	-84.1%
91.4%	638	83	-554	-86.9%
92.6%	637	80	-557	-87.5%
93.8%	535	79	-456	-85.3%
95.1%	129	75	-55	-42.4%
96.3%	80	44	-35	
97.5%	43	43	0	
98.8%	0	43	43	
100.0%	0	0	0	

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,300	3,300	0	0.0%
4.9%	3,300	3,300	0	0.0%
6.2%	3,300	3,250	-50	-1.5%
7.4%	3,299	3,250	-49	-1.5%
8.6%	3,256	3,250	-6	-0.2%
9.9%	3,166	3,250	84	2.7%
11.1%	3,165	3,250	85	2.7%
12.3%	3,089	3,250	161	5.2%
13.6%	2,780	3,250	470	16.9%
14.8%	2,750	3,033	283	10.3%
16.0%	2,562	2,896	334	13.1%
17.3%	2,561	2,802	241	9.4%
18.5%	2,552	2,770	218	8.5%
19.8%	2,506	2,750	244	9.7%
21.0%	2,500	2,626	126	5.0%
22.2%	2,500	2,573	73	2.9%
23.5%	2,500	2,500	0	0.0%
24.7%	2,500	2,500	0	0.0%
25.9%	2,500	2,500	0	0.0%
27.2%	2,500	2,500	0	0.0%
28.4%	2,250	2,500	250	11.1%
29.6%	2,250	2,500	250	11.1%
30.9%	2,250	2,500	250	11.1%
32.1%	2,250	2,500	250	11.1%
33.3%	2,250	2,500	250	11.1%
34.6%	2,250	2,500	250	11.1%
35.8%	2,250	2,500	250	11.1%
37.0%	2,250	2,500	250	11.1%
38.3%	2,250	2,500	250	11.1%
39.5%	2,250	2,500	250	11.1%
40.7%	2,250	2,500	250	11.1%
42.0%	2,000	2,500	500	25.0%
43.2%	2,000	2,500	500	25.0%
44.4%	2,000	2,500	500	25.0%
45.7%	2,000	2,500	500	25.0%
46.9%	2,000	2,500	500	25.0%
48.1%	2,000	2,500	500	25.0%
49.4%	2,000	2,500	500	25.0%
50.6%	2,000	2,250	250	12.5%
51.9%	2,000	2,250	250	12.5%
53.1%	2,000	2,250	250	12.5%
54.3%	2,000	2,182	182	9.1%
55.6%	2,000	2,063	63	3.2%
56.8%	2,000	2,000	0	0.0%
58.0%	2,000	2,000	0	0.0%
59.3%	2,000	2,000	0	0.0%
60.5%	2,000	2,000	0	0.0%
61.7%	2,000	2,000	0	0.0%
63.0%	2,000	2,000	0	0.0%
64.2%	2,000	2,000	0	0.0%
65.4%	2,000	2,000	0	0.0%
66.7%	1,953	2,000	47	2.4%
67.9%	1,757	2,000	243	13.9%
69.1%	1,750	2,000	250	14.3%
70.4%	1,750	2,000	250	14.3%
71.6%	1,750	2,000	250	14.3%
72.8%	1,750	2,000	250	14.3%
74.1%	1,750	1,958	208	11.9%
75.3%	1,632	1,916	284	17.4%
76.5%	1,625	1,750	125	7.7%
77.8%	1,500	1,750	250	16.7%
79.0%	1,500	1,750	250	16.7%
80.2%	1,500	1,714	214	14.3%
81.5%	1,500	1,500	0	0.0%
82.7%	1,500	1,500	0	0.0%
84.0%	1,500	1,500	0	0.0%
85.2%	1,500	1,500	0	0.0%
86.4%	1,500	1,500	0	0.0%
87.7%	1,500	1,500	0	0.0%
88.9%	1,500	1,500	0	0.0%
90.1%	1,500	1,500	0	0.0%
91.4%	1,500	1,500	0	0.0%
92.6%	1,500	1,320	-180	-12.0%
93.8%	1,250	1,295	45	3.6%
95.1%	1,000	1,250	250	25.0%
96.3%	375	1,240	865	231.0%
97.5%	250	391	141	56.5%
98.8%	128	250	122	95.7%
100.0%	41	41	0	

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,300	3,300	0	0.0%
1.2%	3,300	3,300	0	0.0%
2.5%	3,300	3,300	0	0.0%
3.7%	3,028	3,300	272	9.0%
4.9%	2,918	3,245	327	11.2%
6.2%	2,626	3,152	526	20.0%
7.4%	2,602	2,500	-102	-3.9%
8.6%	2,550	2,500	-50	-2.0%
9.9%	2,526	2,500	-26	-1.0%
11.1%	2,500	2,500	0	0.0%
12.3%	2,409	2,500	91	3.8%
13.6%	2,404	2,500	96	4.0%
14.8%	2,283	2,500	217	9.5%
16.0%	2,277	2,500	223	9.8%
17.3%	2,130	2,470	340	16.0%
18.5%	2,000	2,429	429	21.5%
19.8%	2,000	2,192	192	9.6%
21.0%	2,000	2,063	63	3.1%
22.2%	2,000	2,000	0	0.0%
23.5%	2,000	2,000	0	0.0%
24.7%	2,000	2,000	0	0.0%
25.9%	2,000	2,000	0	0.0%
27.2%	2,000	2,000	0	0.0%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	1,858	-142	-7.1%
34.6%	1,886	1,831	-56	-3.0%
35.8%	1,881	1,750	-131	-7.0%
37.0%	1,750	1,750	0	0.0%
38.3%	1,750	1,750	0	0.0%
39.5%	1,724	1,750	26	1.5%
40.7%	1,709	1,750	41	2.4%
42.0%	1,618	1,750	132	8.2%
43.2%	1,500	1,750	250	16.7%
44.4%	1,500	1,750	250	16.7%
45.7%	1,500	1,750	250	16.7%
46.9%	1,500	1,750	250	16.7%
48.1%	1,500	1,750	250	16.7%
49.4%	1,500	1,680	180	12.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,500	1,500	0	0.0%
60.5%	1,500	1,500	0	0.0%
61.7%	1,500	1,500	0	0.0%
63.0%	1,500	1,500	0	0.0%
64.2%	1,500	1,500	0	0.0%
65.4%	1,500	1,500	0	0.0%
66.7%	1,500	1,500	0	0.0%
67.9%	1,500	1,242	-258	-17.2%
69.1%	1,500	1,000	-500	-33.3%
70.4%	1,218	1,000	-218	-17.9%
71.6%	1,000	1,000	0	0.0%
72.8%	1,000	1,000	0	0.0%
74.1%	1,000	1,000	0	0.0%
75.3%	1,000	1,000	0	0.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	1,000	0	0.0%
88.9%	870	1,000	130	14.9%
90.1%	750	1,000	250	33.3%
91.4%	557	1,000	443	79.5%
92.6%	500	1,000	500	100.0%
93.8%	250	1,000	750	300.0%
95.1%	250	406	156	62.4%
96.3%	250	250	0	0.0%
97.5%	250	250	0	0.0%
98.8%	250	250	0	0.0%
100.0%	250	250	0	0.0%

Figure SW-06-b
Clear Creek below Whiskeytown Reservoir, Monthly Flow
Probability of Exceedance

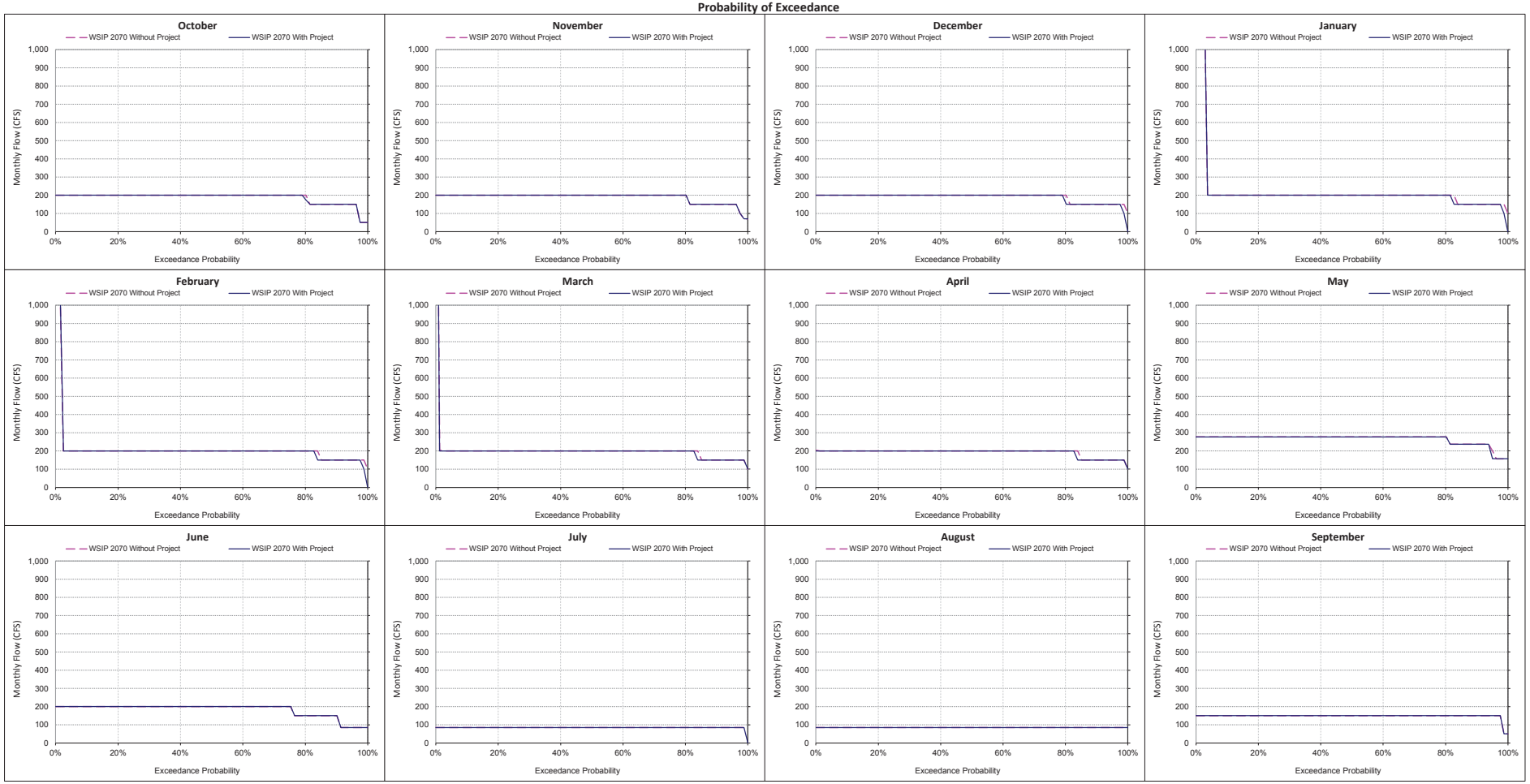


Table SW-06-b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	174	-26	-13.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	50	50	0	0.0%
98.8%	50	50	0	0.0%
100.0%	50	50	0	0.0%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	100	100	0	0.0%
98.8%	70	70	0	0.0%
100.0%	70	70	0	0.0%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	150	-50	-25.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	100	-50	-33.3%
100.0%	100	0	-100	-100.0%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,411	2,452	41	1.7%
1.2%	1,899	1,899	0	0.0%
2.5%	1,522	1,522	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	150	-50	-25.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	100	-50	-33.3%
100.0%	100	0	-100	-100.0%

Table SW-06-b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	1,247	1,247	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	150	-50	-25.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	100	-50	-33.3%
100.0%	100	0	-100	-100.0%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,000	3,000	0	0.0%
1.2%	204	200	-4	-2.1%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	150	-50	-25.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	100	100	0	0.0%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	204	200	-4	-2.1%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	200	200	0	0.0%
77.8%	200	200	0	0.0%
79.0%	200	200	0	0.0%
80.2%	200	200	0	0.0%
81.5%	200	200	0	0.0%
82.7%	200	200	0	0.0%
84.0%	200	150	-50	-25.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	150	150	0	0.0%
100.0%	100	100	0	0.0%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	277	277	0	0.0%
1.2%	277	277	0	0.0%
2.5%	277	277	0	0.0%
3.7%	277	277	0	0.0%
4.9%	277	277	0	0.0%
6.2%	277	277	0	0.0%
7.4%	277	277	0	0.0%
8.6%	277	277	0	0.0%
9.9%	277	277	0	0.0%
11.1%	277	277	0	0.0%
12.3%	277	277	0	0.0%
13.6%	277	277	0	0.0%
14.8%	277	277	0	0.0%
16.0%	277	277	0	0.0%
17.3%	277	277	0	0.0%
18.5%	277	277	0	0.0%
19.8%	277	277	0	0.0%
21.0%	277	277	0	0.0%
22.2%	277	277	0	0.0%
23.5%	277	277	0	0.0%
24.7%	277	277	0	0.0%
25.9%	277	277	0	0.0%
27.2%	277	277	0	0.0%
28.4%	277	277	0	0.0%
29.6%	277	277	0	0.0%
30.9%	277	277	0	0.0%
32.1%	277	277	0	0.0%
33.3%	277	277	0	0.0%
34.6%	277	277	0	0.0%
35.8%	277	277	0	0.0%
37.0%	277	277	0	0.0%
38.3%	277	277	0	0.0%
39.5%	277	277	0	0.0%
40.7%	277	277	0	0.0%
42.0%	277	277	0	0.0%
43.2%	277	277	0	0.0%
44.4%	277	277	0	0.0%
45.7%	277	277	0	0.0%
46.9%	277	277	0	0.0%
48.1%	277	277	0	0.0%
49.4%	277	277	0	0.0%
50.6%	277	277	0	0.0%
51.9%	277	277	0	0.0%
53.1%	277	277	0	0.0%
54.3%	277	277	0	0.0%
55.6%	277	277	0	0.0%
56.8%	277	277	0	0.0%
58.0%	277	277	0	0.0%
59.3%	277	277	0	0.0%
60.5%	277	277	0	0.0%
61.7%	277	277	0	0.0%
63.0%	277	277	0	0.0%
64.2%	277	277	0	0.0%
65.4%	277	277	0	0.0%
66.7%	277	277	0	0.0%
67.9%	277	277	0	0.0%
69.1%	277	277	0	0.0%
70.4%	277	277	0	0.0%
71.6%	277	277	0	0.0%
72.8%	277	277	0	0.0%
74.1%	277	277	0	0.0%
75.3%	277	277	0	0.0%
76.5%	277	277	0	0.0%
77.8%	277	277	0	0.0%
79.0%	277	277	0	0.0%
80.2%	277	277	0	0.0%
81.5%	237	237	0	0.0%
82.7%	237	237	0	0.0%
84.0%	237	237	0	0.0%
85.2%	237	237	0	0.0%
86.4%	237	237	0	0.0%
87.7%	237	237	0	0.0%
88.9%	237	237	0	0.0%
90.1%	237	237	0	0.0%
91.4%	237	237	0	0.0%
92.6%	237	237	0	0.0%
93.8%	237	237	0	0.0%
95.1%	200	156	-44	-21.8%
96.3%	156	156	0	0.0%
97.5%	156	156	0	0.0%
98.8%	156	156	0	0.0%
100.0%	156	156	0	0.0%

Table SW-06-b

Clear Creek below Whiskeytown Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	200	200	0	0.0%
1.2%	200	200	0	0.0%
2.5%	200	200	0	0.0%
3.7%	200	200	0	0.0%
4.9%	200	200	0	0.0%
6.2%	200	200	0	0.0%
7.4%	200	200	0	0.0%
8.6%	200	200	0	0.0%
9.9%	200	200	0	0.0%
11.1%	200	200	0	0.0%
12.3%	200	200	0	0.0%
13.6%	200	200	0	0.0%
14.8%	200	200	0	0.0%
16.0%	200	200	0	0.0%
17.3%	200	200	0	0.0%
18.5%	200	200	0	0.0%
19.8%	200	200	0	0.0%
21.0%	200	200	0	0.0%
22.2%	200	200	0	0.0%
23.5%	200	200	0	0.0%
24.7%	200	200	0	0.0%
25.9%	200	200	0	0.0%
27.2%	200	200	0	0.0%
28.4%	200	200	0	0.0%
29.6%	200	200	0	0.0%
30.9%	200	200	0	0.0%
32.1%	200	200	0	0.0%
33.3%	200	200	0	0.0%
34.6%	200	200	0	0.0%
35.8%	200	200	0	0.0%
37.0%	200	200	0	0.0%
38.3%	200	200	0	0.0%
39.5%	200	200	0	0.0%
40.7%	200	200	0	0.0%
42.0%	200	200	0	0.0%
43.2%	200	200	0	0.0%
44.4%	200	200	0	0.0%
45.7%	200	200	0	0.0%
46.9%	200	200	0	0.0%
48.1%	200	200	0	0.0%
49.4%	200	200	0	0.0%
50.6%	200	200	0	0.0%
51.9%	200	200	0	0.0%
53.1%	200	200	0	0.0%
54.3%	200	200	0	0.0%
55.6%	200	200	0	0.0%
56.8%	200	200	0	0.0%
58.0%	200	200	0	0.0%
59.3%	200	200	0	0.0%
60.5%	200	200	0	0.0%
61.7%	200	200	0	0.0%
63.0%	200	200	0	0.0%
64.2%	200	200	0	0.0%
65.4%	200	200	0	0.0%
66.7%	200	200	0	0.0%
67.9%	200	200	0	0.0%
69.1%	200	200	0	0.0%
70.4%	200	200	0	0.0%
71.6%	200	200	0	0.0%
72.8%	200	200	0	0.0%
74.1%	200	200	0	0.0%
75.3%	200	200	0	0.0%
76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85	85	0	0.0%
1.2%	85	85	0	0.0%
2.5%	85	85	0	0.0%
3.7%	85	85	0	0.0%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	0	-85	-100.0%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85	85	0	0.0%
1.2%	85	85	0	0.0%
2.5%	85	85	0	0.0%
3.7%	85	85	0	0.0%
4.9%	85	85	0	0.0%
6.2%	85	85	0	0.0%
7.4%	85	85	0	0.0%
8.6%	85	85	0	0.0%
9.9%	85	85	0	0.0%
11.1%	85	85	0	0.0%
12.3%	85	85	0	0.0%
13.6%	85	85	0	0.0%
14.8%	85	85	0	0.0%
16.0%	85	85	0	0.0%
17.3%	85	85	0	0.0%
18.5%	85	85	0	0.0%
19.8%	85	85	0	0.0%
21.0%	85	85	0	0.0%
22.2%	85	85	0	0.0%
23.5%	85	85	0	0.0%
24.7%	85	85	0	0.0%
25.9%	85	85	0	0.0%
27.2%	85	85	0	0.0%
28.4%	85	85	0	0.0%
29.6%	85	85	0	0.0%
30.9%	85	85	0	0.0%
32.1%	85	85	0	0.0%
33.3%	85	85	0	0.0%
34.6%	85	85	0	0.0%
35.8%	85	85	0	0.0%
37.0%	85	85	0	0.0%
38.3%	85	85	0	0.0%
39.5%	85	85	0	0.0%
40.7%	85	85	0	0.0%
42.0%	85	85	0	0.0%
43.2%	85	85	0	0.0%
44.4%	85	85	0	0.0%
45.7%	85	85	0	0.0%
46.9%	85	85	0	0.0%
48.1%	85	85	0	0.0%
49.4%	85	85	0	0.0%
50.6%	85	85	0	0.0%
51.9%	85	85	0	0.0%
53.1%	85	85	0	0.0%
54.3%	85	85	0	0.0%
55.6%	85	85	0	0.0%
56.8%	85	85	0	0.0%
58.0%	85	85	0	0.0%
59.3%	85	85	0	0.0%
60.5%	85	85	0	0.0%
61.7%	85	85	0	0.0%
63.0%	85	85	0	0.0%
64.2%	85	85	0	0.0%
65.4%	85	85	0	0.0%
66.7%	85	85	0	0.0%
67.9%	85	85	0	0.0%
69.1%	85	85	0	0.0%
70.4%	85	85	0	0.0%
71.6%	85	85	0	0.0%
72.8%	85	85	0	0.0%
74.1%	85	85	0	0.0%
75.3%	85	85	0	0.0%
76.5%	85	85	0	0.0%
77.8%	85	85	0	0.0%
79.0%	85	85	0	0.0%
80.2%	85	85	0	0.0%
81.5%	85	85	0	0.0%
82.7%	85	85	0	0.0%
84.0%	85	85	0	0.0%
85.2%	85	85	0	0.0%
86.4%	85	85	0	0.0%
87.7%	85	85	0	0.0%
88.9%	85	85	0	0.0%
90.1%	85	85	0	0.0%
91.4%	85	85	0	0.0%
92.6%	85	85	0	0.0%
93.8%	85	85	0	0.0%
95.1%	85	85	0	0.0%
96.3%	85	85	0	0.0%
97.5%	85	85	0	0.0%
98.8%	85	85	0	0.0%
100.0%	85	85	0	0.0%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	150	150	0	0.0%
1.2%	150	150	0	0.0%
2.5%	150	150	0	0.0%
3.7%	150	150	0	0.0%
4.9%	150	150	0	0.0%
6.2%	150	150	0	0.0%
7.4%	150	150	0	0.0%
8.6%	150	150	0	0.0%
9.9%	150	150	0	0.0%
11.1%	150	150	0	0.0%
12.3%	150	150	0	0.0%
13.6%	150	150	0	0.0%
14.8%	150	150	0	0.0%
16.0%	150	150	0	0.0%
17.3%	150	150	0	0.0%
18.5%	150	150	0	0.0%
19.8%	150	150	0	0.0%
21.0%	150	150	0	0.0%
22.2%	150	150	0	0.0%
23.5%	150	150	0	0.0%
24.7%	150	150	0	0.0%
25.9%	150	150	0	0.0%
27.2%	150	150	0	0.0%
28.4%	150	150	0	0.0%
29.6%	150	150	0	0.0%
30.9%	150	150	0	0.0%
32.1%	150	150	0	0.0%
33.3%	150	150	0	0.0%
34.6%	150	150	0	0.0%
35.8%	150	150	0	0.0%
37.0%	150	150	0	0.0%
38.3%	150	150	0	0.0%
39.5%	150	150	0	0.0%
40.7%	150	150	0	0.0%
42.0%	150	150	0	0.0%
43.2%	150	150	0	0.0%
44.4%	150	150	0	0.0%
45.7%	150	150	0	0.0%
46.9%	150	150	0	0.0%
48.1%	150	150	0	0.0%
49.4%	150	150	0	0.0%
50.6%	150	150	0	0.0%
51.9%	150	150	0	0.0%
53.1%	150	150	0	0.0%
54.3%	150	150	0	0.0%
55.6%	150	150	0	0.0%
56.8%	150	150	0	0.0%
58.0%	150	150	0	0.0%
59.3%	150	150	0	0.0%
60.5%	150	150	0	0.0%
61.7%	150	150	0	0.0%
63.0%	150	150	0	0.0%
64.2%	150	150	0	0.0%
65.4%	150	150	0	0.0%
66.7%	150	150	0	0.0%
67.9%	150	150	0	0.0%
69.1%	150	150	0	0.0%
70.4%	150	150	0	0.0%
71.6%	150	150	0	0.0%
72.8%	150	150	0	0.0%
74.1%	150	150	0	0.0%
75.3%	150	150	0	0.0%
76.5%	150	150	0	0.0%
77.8%	150	150	0	0.0%
79.0%	150	150	0	0.0%
80.2%	150	150	0	0.0%
81.5%	150	150	0	0.0%
82.7%	150	150	0	0.0%
84.0%	150	150	0	0.0%
85.2%	150	150	0	0.0%
86.4%	150	150	0	0.0%
87.7%	150	150	0	0.0%
88.9%	150	150	0	0.0%
90.1%	150	150	0	0.0%
91.4%	150	150	0	0.0%
92.6%	150	150	0	0.0%
93.8%	150	150	0	0.0%
95.1%	150	150	0	0.0%
96.3%	150	150	0	0.0%
97.5%	150	150	0	0.0%
98.8%	50	50	0	0.0%
100.0%	50	50	0	0.0%

Figure SW-07-b
Shasta Lake, End of Month Storage
Probability of Exceedance

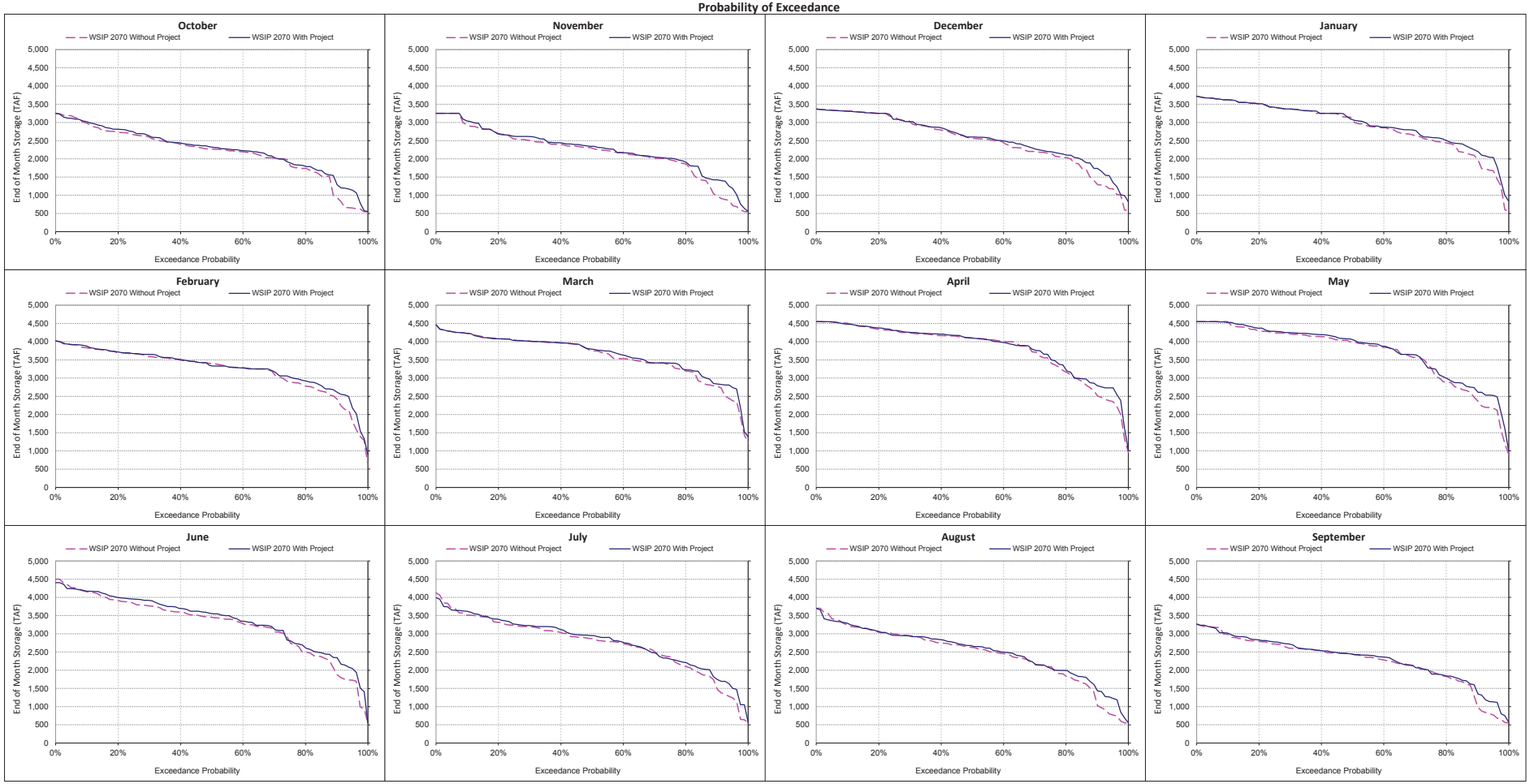


Table SW-07-b

Shasta Lake, End of Month Storage

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,250	3,250	0	0.0%
1.2%	3,239	3,230	-9	-0.3%
2.5%	3,200	3,150	-50	-1.6%
3.7%	3,190	3,118	-72	-2.3%
4.9%	3,184	3,113	-71	-2.2%
6.2%	3,137	3,094	-43	-1.4%
7.4%	3,104	3,089	-15	-0.5%
8.6%	3,012	3,041	29	0.9%
9.9%	2,982	3,022	40	1.3%
11.1%	2,925	2,987	62	2.1%
12.3%	2,877	2,964	86	3.0%
13.6%	2,857	2,926	70	2.4%
14.8%	2,789	2,909	120	4.3%
16.0%	2,768	2,854	86	3.1%
17.3%	2,761	2,840	79	2.8%
18.5%	2,755	2,815	60	2.2%
19.8%	2,737	2,814	77	2.8%
21.0%	2,722	2,806	84	3.1%
22.2%	2,716	2,800	83	3.1%
23.5%	2,709	2,763	54	2.0%
24.7%	2,670	2,747	77	2.9%
25.9%	2,647	2,696	49	1.8%
27.2%	2,637	2,692	55	2.1%
28.4%	2,628	2,687	59	2.2%
29.6%	2,613	2,640	27	1.0%
30.9%	2,553	2,594	41	1.6%
32.1%	2,530	2,589	59	2.3%
33.3%	2,498	2,579	81	3.2%
34.6%	2,486	2,526	39	1.6%
35.8%	2,459	2,463	4	0.2%
37.0%	2,453	2,458	5	0.2%
38.3%	2,446	2,445	-1	0.0%
39.5%	2,411	2,443	32	1.3%
40.7%	2,385	2,425	40	1.7%
42.0%	2,368	2,402	34	1.4%
43.2%	2,346	2,393	47	2.0%
44.4%	2,342	2,375	33	1.4%
45.7%	2,318	2,372	54	2.3%
46.9%	2,294	2,361	67	2.9%
48.1%	2,276	2,359	83	3.7%
49.4%	2,271	2,328	57	2.5%
50.6%	2,266	2,318	51	2.3%
51.9%	2,262	2,311	50	2.2%
53.1%	2,260	2,280	20	0.9%
54.3%	2,246	2,276	30	1.3%
55.6%	2,222	2,266	44	2.0%
56.8%	2,217	2,249	32	1.4%
58.0%	2,204	2,248	44	2.0%
59.3%	2,198	2,231	33	1.5%
60.5%	2,190	2,224	35	1.6%
61.7%	2,173	2,218	45	2.1%
63.0%	2,168	2,201	34	1.6%
64.2%	2,131	2,194	63	3.0%
65.4%	2,101	2,171	70	3.3%
66.7%	2,037	2,160	123	6.1%
67.9%	2,034	2,095	61	3.0%
69.1%	2,030	2,079	49	2.4%
70.4%	2,009	2,023	14	0.7%
71.6%	2,005	1,994	-11	-0.5%
72.8%	2,004	1,994	-10	-0.5%
74.1%	1,980	1,921	-59	-3.0%
75.3%	1,793	1,883	90	5.0%
76.5%	1,762	1,835	73	4.1%
77.8%	1,753	1,829	76	4.3%
79.0%	1,738	1,824	87	5.0%
80.2%	1,736	1,790	55	3.1%
81.5%	1,688	1,785	97	5.7%
82.7%	1,649	1,727	78	4.7%
84.0%	1,606	1,678	73	4.5%
85.2%	1,524	1,677	153	10.0%
86.4%	1,523	1,589	66	4.3%
87.7%	1,519	1,562	43	2.8%
88.9%	1,002	1,544	542	54.1%
90.1%	935	1,287	352	37.7%
91.4%	827	1,205	378	45.7%
92.6%	661	1,193	532	80.5%
93.8%	661	1,171	510	77.3%
95.1%	650	1,136	486	74.8%
96.3%	629	1,065	436	69.3%
97.5%	620	780	159	25.7%
98.8%	550	574	24	4.4%
100.0%	550	550	0	0.0%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,252	3,252	0	0.0%
1.2%	3,252	3,252	0	0.0%
2.5%	3,252	3,252	0	0.0%
3.7%	3,252	3,252	0	0.0%
4.9%	3,252	3,252	0	0.0%
6.2%	3,252	3,252	0	0.0%
7.4%	3,252	3,252	0	0.0%
8.6%	2,995	3,091	95	3.2%
9.9%	2,932	3,045	113	3.9%
11.1%	2,892	3,025	133	4.6%
12.3%	2,891	2,984	93	3.2%
13.6%	2,849	2,980	132	4.6%
14.8%	2,835	2,818	-17	-0.6%
16.0%	2,818	2,816	-2	-0.1%
17.3%	2,809	2,812	3	0.1%
18.5%	2,765	2,752	-13	-0.5%
19.8%	2,705	2,684	-21	-0.8%
21.0%	2,676	2,665	-11	-0.4%
22.2%	2,672	2,655	-18	-0.7%
23.5%	2,628	2,647	19	0.7%
24.7%	2,552	2,623	70	2.8%
25.9%	2,540	2,617	78	3.1%
27.2%	2,535	2,617	82	3.2%
28.4%	2,531	2,616	85	3.4%
29.6%	2,509	2,613	104	4.2%
30.9%	2,496	2,609	113	4.5%
32.1%	2,466	2,585	119	4.8%
33.3%	2,463	2,552	89	3.6%
34.6%	2,445	2,545	100	4.1%
35.8%	2,434	2,455	21	0.9%
37.0%	2,401	2,454	53	2.2%
38.3%	2,399	2,445	46	1.9%
39.5%	2,397	2,444	46	1.9%
40.7%	2,392	2,428	36	1.5%
42.0%	2,354	2,407	53	2.3%
43.2%	2,353	2,405	53	2.2%
44.4%	2,352	2,396	44	1.9%
45.7%	2,340	2,393	54	2.3%
46.9%	2,320	2,374	55	2.4%
48.1%	2,311	2,356	45	1.9%
49.4%	2,310	2,346	36	1.6%
50.6%	2,274	2,342	68	3.0%
51.9%	2,250	2,317	67	3.0%
53.1%	2,243	2,309	66	2.9%
54.3%	2,231	2,288	57	2.6%
55.6%	2,220	2,271	51	2.3%
56.8%	2,189	2,267	79	3.6%
58.0%	2,178	2,173	-4	-0.2%
59.3%	2,173	2,172	-1	0.0%
60.5%	2,166	2,163	-3	-0.1%
61.7%	2,120	2,155	36	1.7%
63.0%	2,112	2,155	43	2.0%
64.2%	2,104	2,111	6	0.3%
65.4%	2,100	2,093	-7	-0.3%
66.7%	2,078	2,085	7	0.3%
67.9%	2,057	2,079	21	1.0%
69.1%	2,017	2,060	43	2.1%
70.4%	2,011	2,042	31	1.5%
71.6%	2,009	2,037	27	1.4%
72.8%	2,009	2,031	23	1.1%
74.1%	1,997	2,015	18	0.9%
75.3%	1,966	2,013	47	2.4%
76.5%	1,942	1,999	58	3.0%
77.8%	1,908	1,963	56	2.9%
79.0%	1,876	1,943	67	3.6%
80.2%	1,856	1,899	43	2.3%
81.5%	1,722	1,809	87	5.0%
82.7%	1,538	1,800	262	17.0%
84.0%	1,451	1,795	344	23.7%
85.2%	1,416	1,529	113	8.0%
86.4%	1,406	1,474	67	4.8%
87.7%	1,249	1,449	200	16.0%
88.9%	1,039	1,422	383	36.8%
90.1%	980	1,421	441	45.1%
91.4%	912	1,405	492	54.0%
92.6%	882	1,387	505	57.2%
93.8%	862	1,251	389	45.1%
95.1%	713	1,187	475	66.6%
96.3%	687	1,017	331	48.2%
97.5%	600	761	162	27.0%
98.8%	550	640	90	16.5%
100.0%	550	550	0	0.0%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,368	3,368	0	0.0%
1.2%	3,354	3,354	0	0.0%
2.5%	3,349	3,349	0	0.0%
3.7%	3,349	3,338	-11	-0.3%
4.9%	3,338	3,337	-1	0.0%
6.2%	3,328	3,328	0	0.0%
7.4%	3,322	3,322	0	0.0%
8.6%	3,319	3,317	-2	-0.1%
9.9%	3,317	3,310	-7	-0.2%
11.1%	3,310	3,306	-4	-0.1%
12.3%	3,306	3,291	-15	-0.4%
13.6%	3,291	3,285	-6	-0.2%
14.8%	3,285	3,276	-9	-0.3%
16.0%	3,276	3,267	-9	-0.3%
17.3%	3,267	3,265	-2	-0.1%
18.5%	3,265	3,252	-13	-0.4%
19.8%	3,252	3,252	0	0.0%
21.0%	3,252	3,252	0	0.0%
22.2%	3,252	3,251	-1	0.0%
23.5%	3,173	3,218	46	1.4%
24.7%	3,169	3,089	-81	-2.6%
25.9%	3,099	3,084	-15	-0.5%
27.2%	3,055	3,069	14	0.5%
28.4%	3,051	3,027	-24	-0.8%
29.6%	3,048	3,023	-24	-0.8%
30.9%	2,957	3,022	66	2.2%
32.1%	2,921	2,947	25	0.9%
33.3%	2,921	2,936	15	0.5%
34.6%	2,903	2,924	20	0.7%
35.8%	2,893	2,886	-7	-0.3%
37.0%	2,853	2,870	17	0.6%
38.3%	2,810	2,870	59	2.1%
39.5%	2,801	2,862	61	2.2%
40.7%	2,776	2,834	58	2.1%
42.0%	2,761	2,791	31	1.1%
43.2%	2,714	2,748	34	1.3%
44.4%	2,669	2,719	50	1.9%
45.7%	2,649	2,679	30	1.1%
46.9%	2,635	2,651	16	0.6%
48.1%	2,594	2,603	8	0.3%
49.4%	2,566	2,601	35	1.4%
50.6%	2,559	2,600	41	1.6%
51.9%	2,550	2,595	45	1.7%
53.1%	2,546	2,591	45	1.8%
54.3%	2,540	2,586	46	1.8%
55.6%	2,530	2,571	42	1.6%
56.8%	2,500	2,536	36	1.4%
58.0%	2,491	2,511	20	0.8%
59.3%	2,482	2,504	21	0.8%
60.5%	2,414	2,488	74	3.1%
61.7%	2,369	2,458	89	3.7%
63.0%	2,312	2,455	143	6.2%
64.2%	2,307	2,413	106	4.6%
65.4%	2,303	2,405	102	4.4%
66.7%	2,243	2,365	122	5.4%
67.9%	2,206	2,338	132	6.0%
69.1%	2,204	2,302	98	4.4%
70.4%	2,202	2,266	65	2.9%
71.6%	2,179	2,241	61	2.8%
72.8%	2,177	2,226	48	2.2%
74.1%	2,154	2,201	47	2.2%
75.3%	2,151	2,195	44	2.1%
76.5%	2,073	2,171	98	4.7%
77.8%	2,055	2,148	93	4.5%
79.0%	2,035	2,132	97	4.8%
80.2%	2,034	2,101	67	3.3%
81.5%	1,999	2,101	103	5.1%
82.7%	1,877	2,038	161	8.6%
84.0%	1,868	2,026	158	8.5%
85.2%	1,729	1,972	243	14.1%
86.4%	1,716	1,891	175	10.2%
87.7%	1,505	1,887	383	25.4%
88.9%	1,411	1,741	329	23.3%
90.1%	1,292	1,737	444	34.4%
91.4%	1,280	1,657	378	29.5%
92.6%	1,267	1,552	285	22.5%
93.8%	1,181	1,537	356	30.1%
95.1%	1,177	1,347	170	14.4%
96.3%	1,022	1,233	212	20.7%
97.5%	1,004	1,020	16	1.6%
98.8%	592	985	393	66.3%
100.0%	580	815	235	40.5%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,723	3,723	0	0.0%
1.2%	3,698	3,698	0	0.0%
2.5%	3,678	3,678	0	0.0%
3.7%	3,668	3,668	0	0.0%
4.9%	3,667	3,668	1	0.0%
6.2%	3,650	3,650	0	0.0%
7.4%	3,640	3,640	0	0.0%
8.6%	3,624	3,624	0	0.0%
9.9%	3,622	3,622	0	0.0%
11.1%	3,616	3,616	0	0.0%
12.3%	3,604	3,604	0	0.0%
13.6%	3,552	3,552	0	0.0%
14.8%	3,552	3,552	0	0.0%
16.0%	3,551	3,551	0	0.0%
17.3%	3,531	3,531	0	0.0%
18.5%	3,528	3,528	0	0.0%
19.8%	3,515	3,515	0	0.0%
21.0%	3,515	3,515	0	0.0%
22.2%	3,467	3,481	15	0.4%
23.5%	3,419	3,426	7	0.2%
24.7%	3,416	3,419	3	0.1%
25.9%	3,408	3,398	-10	-0.3%
27.2%	3,389	3,389	0	0.0%
28.4%	3,371	3,371	0	0.0%
29.6%	3,368	3,368	0	0.0%
30.9%	3,366	3,366	0	0.0%
32.1%	3,358	3,358	0	0.0%
33.3%	3,339	3,339	0	0.0%
34.6%	3,328	3,321	-7	-0.2%
35.8%	3,321	3,321	0	0.0%
37.0%	3,317	3,317	0	0.0%
38.3%	3,252	3,311	59	1.8%
39.5%	3,252	3,252	0	0.0%
40.7%	3,252	3,252	0	0.0%
42.0%	3,252	3,252	0	0.0%
43.2%	3,252	3,252	0	0.0%
44.4%	3,252	3,252	0	0.0%
45.7%	3,215	3,251	36	1.1%
46.9%	3,153	3,246	93	3.0%
48.1%	3,149	3,166	17	0.5%
49.4%	3,144	3,090	-54	-1.7%
50.6%	2,996	3,059	63	2.1%
51.9%	2,963	3,041	78	2.6%
53.1%	2,962	3,027	65	2.2%
54.3%	2,918	2,988	69	2.4%
55.6%	2,888	2,904	16	0.6%
56.8%	2,876	2,903	27	1.0%
58.0%	2,869	2,899	29	1.0%
59.3%	2,857	2,875	18	0.6%
60.5%	2,855	2,872	17	0.6%
61.7%	2,817	2,865	48	1.7%
63.0%	2,804	2,856	52	1.9%
64.2%	2,742	2,839	96	3.5%
65.4%	2,706	2,811	106	3.9%
66.7%	2,687	2,804	116	4.3%
67.9%	2,685	2,799	114	4.3%
69.1%	2,660	2,795	135	5.1%
70.4%	2,622	2,770	148	5.7%
71.6%	2,612	2,656	44	1.7%
72.8%	2,555	2,600	45	1.8%
74.1%	2,535	2,597	62	2.4%
75.3%	2,520	2,587	67	2.7%
76.5%	2,478	2,581	103	4.2%
77.8%	2,469	2,576	107	4.3%
79.0%	2,451	2,541	90	3.7%
80.2%	2,431	2,494	63	2.6%
81.5%	2,414	2,450	36	1.5%
82.7%	2,375	2,431	56	2.3%
84.0%	2,203	2,422	218	9.9%
85.2%	2,183	2,409	225	10.3%
86.4%	2,164	2,349	185	8.5%
87.7%	2,117	2,298	181	8.5%
88.9%	2,096	2,250	154	7.3%
90.1%	1,979	2,201	222	11.2%
91.4%	1,727	2,098	371	21.5%
92.6%	1,724	2,079	355	20.6%
93.8%	1,689	2,045	356	21.1%
95.1%	1,674	2,033	360	21.5%
96.3%	1,441	1,773	332	23.1%
97.5%	1,258	1,377	118	9.4%
98.8%	600	1,000	400	66.6%
100.0%	571	837	266	46.6%

Table SW-07-b

Shasta Lake, End of Month Storage

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,022	4,022	0	0.0%
1.2%	4,005	4,005	0	0.0%
2.5%	3,979	3,944	-35	-0.9%
3.7%	3,944	3,938	-6	-0.1%
4.9%	3,920	3,920	0	0.0%
6.2%	3,917	3,917	0	0.0%
7.4%	3,914	3,914	0	0.0%
8.6%	3,840	3,900	61	1.6%
9.9%	3,835	3,884	49	1.3%
11.1%	3,813	3,840	27	0.7%
12.3%	3,794	3,813	19	0.5%
13.6%	3,789	3,794	5	0.1%
14.8%	3,777	3,789	12	0.3%
16.0%	3,775	3,777	2	0.1%
17.3%	3,743	3,743	0	0.0%
18.5%	3,739	3,739	0	0.0%
19.8%	3,695	3,724	29	0.8%
21.0%	3,694	3,705	11	0.3%
22.2%	3,688	3,695	7	0.2%
23.5%	3,675	3,694	19	0.5%
24.7%	3,671	3,675	4	0.1%
25.9%	3,661	3,671	10	0.3%
27.2%	3,654	3,661	7	0.2%
28.4%	3,636	3,655	19	0.5%
29.6%	3,593	3,654	61	1.7%
30.9%	3,588	3,652	64	1.8%
32.1%	3,570	3,636	66	1.9%
33.3%	3,567	3,588	21	0.6%
34.6%	3,560	3,570	10	0.3%
35.8%	3,553	3,567	14	0.4%
37.0%	3,530	3,560	30	0.8%
38.3%	3,516	3,530	14	0.4%
39.5%	3,503	3,516	13	0.4%
40.7%	3,480	3,503	23	0.7%
42.0%	3,480	3,480	0	0.0%
43.2%	3,462	3,462	0	0.0%
44.4%	3,454	3,457	2	0.1%
45.7%	3,431	3,431	0	0.0%
46.9%	3,423	3,423	0	0.0%
48.1%	3,421	3,421	0	0.0%
49.4%	3,405	3,345	-59	-1.7%
50.6%	3,397	3,335	-62	-1.8%
51.9%	3,381	3,333	-48	-1.4%
53.1%	3,357	3,333	-24	-0.7%
54.3%	3,340	3,332	-8	-0.2%
55.6%	3,300	3,302	2	0.0%
56.8%	3,298	3,292	-6	-0.2%
58.0%	3,292	3,288	-4	-0.1%
59.3%	3,288	3,282	-7	-0.2%
60.5%	3,282	3,273	-9	-0.3%
61.7%	3,252	3,266	14	0.4%
63.0%	3,252	3,252	0	0.0%
64.2%	3,252	3,252	0	0.0%
65.4%	3,252	3,252	0	0.0%
66.7%	3,252	3,252	0	0.0%
67.9%	3,218	3,252	34	1.1%
69.1%	3,202	3,212	11	0.3%
70.4%	3,067	3,159	92	3.0%
71.6%	3,040	3,067	27	0.9%
72.8%	2,992	3,059	67	2.2%
74.1%	2,917	3,057	140	4.8%
75.3%	2,888	3,014	126	4.3%
76.5%	2,872	2,987	114	4.0%
77.8%	2,867	2,972	105	3.7%
79.0%	2,824	2,938	114	4.0%
80.2%	2,775	2,920	145	5.2%
81.5%	2,768	2,887	119	4.3%
82.7%	2,733	2,885	153	5.6%
84.0%	2,670	2,842	172	6.4%
85.2%	2,640	2,789	149	5.6%
86.4%	2,619	2,702	83	3.2%
87.7%	2,531	2,702	170	6.7%
88.9%	2,516	2,679	163	6.5%
90.1%	2,424	2,613	190	7.8%
91.4%	2,243	2,556	314	14.0%
92.6%	2,140	2,541	401	18.8%
93.8%	2,137	2,499	362	16.9%
95.1%	1,809	2,175	365	20.2%
96.3%	1,584	2,019	435	27.4%
97.5%	1,396	1,551	155	11.1%
98.8%	1,293	1,332	39	3.0%
100.0%	624	907	283	45.4%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,462	4,462	0	0.0%
1.2%	4,347	4,347	0	0.0%
2.5%	4,323	4,323	0	0.0%
3.7%	4,292	4,292	0	0.0%
4.9%	4,280	4,280	0	0.0%
6.2%	4,256	4,256	0	0.0%
7.4%	4,248	4,248	0	0.0%
8.6%	4,246	4,246	0	0.0%
9.9%	4,229	4,229	0	0.0%
11.1%	4,226	4,226	0	0.0%
12.3%	4,178	4,162	-16	-0.4%
13.6%	4,162	4,142	-20	-0.5%
14.8%	4,142	4,114	-28	-0.7%
16.0%	4,114	4,106	-8	-0.2%
17.3%	4,106	4,096	-10	-0.2%
18.5%	4,100	4,081	-19	-0.5%
19.8%	4,081	4,077	-4	-0.1%
21.0%	4,077	4,076	0	0.0%
22.2%	4,076	4,072	-4	-0.1%
23.5%	4,071	4,071	0	0.0%
24.7%	4,060	4,039	-21	-0.5%
25.9%	4,033	4,033	0	0.0%
27.2%	4,030	4,030	0	0.0%
28.4%	4,022	4,022	0	0.0%
29.6%	4,019	4,016	-3	-0.1%
30.9%	4,010	4,010	1	0.0%
32.1%	4,000	4,010	10	0.2%
33.3%	4,000	4,000	0	0.0%
34.6%	3,991	4,000	9	0.2%
35.8%	3,980	3,991	11	0.3%
37.0%	3,979	3,980	1	0.0%
38.3%	3,976	3,979	3	0.1%
39.5%	3,965	3,976	11	0.3%
40.7%	3,962	3,965	3	0.1%
42.0%	3,953	3,960	7	0.2%
43.2%	3,940	3,953	13	0.3%
44.4%	3,937	3,940	3	0.1%
45.7%	3,927	3,931	4	0.1%
46.9%	3,873	3,873	0	0.0%
48.1%	3,819	3,819	0	0.0%
49.4%	3,756	3,799	43	1.1%
50.6%	3,745	3,787	42	1.1%
51.9%	3,742	3,768	26	0.7%
53.1%	3,700	3,756	56	1.5%
54.3%	3,700	3,745	45	1.2%
55.6%	3,647	3,743	96	2.6%
56.8%	3,544	3,706	163	4.6%
58.0%	3,538	3,671	133	3.8%
59.3%	3,535	3,647	113	3.2%
60.5%	3,534	3,627	93	2.6%
61.7%	3,520	3,589	68	1.9%
63.0%	3,504	3,552	48	1.4%
64.2%	3,477	3,546	69	2.0%
65.4%	3,466	3,534	68	2.0%
66.7%	3,435	3,504	69	2.0%
67.9%	3,417	3,435	18	0.5%
69.1%	3,417	3,417	1	0.0%
70.4%	3,416	3,417	1	0.0%
71.6%	3,416	3,416	0	0.0%
72.8%	3,416	3,416	0	0.0%
74.1%	3,385	3,416	31	0.9%
75.3%	3,369	3,411	42	1.2%
76.5%	3,272	3,407	135	4.1%
77.8%	3,256	3,374	118	3.6%
79.0%	3,211	3,247	36	1.1%
80.2%	3,194	3,227	33	1.0%
81.5%	3,181	3,226	45	1.4%
82.7%	3,163	3,195	32	1.0%
84.0%	2,930	3,186	256	8.7%
85.2%	2,887	3,049	161	5.6%
86.4%	2,828	3,003	174	6.2%
87.7%	2,811	2,977	166	5.9%
88.9%	2,788	2,855	67	2.4%
90.1%	2,774	2,842	69	2.5%
91.4%	2,729	2,828	99	3.6%
92.6%	2,502	2,812	310	12.4%
93.8%	2,446	2,811	365	14.9%
95.1%	2,374	2,737	363	15.3%
96.3%	2,355	2,704	349	14.8%
97.5%	1,932	2,189	258	13.3%
98.8%	1,437	1,528	91	6.3%
100.0%	1,224	1,386	161	13.2%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,552	4,552	0	0.0%
1.2%	4,552	4,552	0	0.0%
2.5%	4,546	4,552	6	0.1%
3.7%	4,546	4,552	6	0.1%
4.9%	4,544	4,546	2	0.0%
6.2%	4,530	4,540	10	0.2%
7.4%	4,522	4,517	-4	-0.1%
8.6%	4,513	4,491	-22	-0.5%
9.9%	4,512	4,479	-33	-0.7%
11.1%	4,479	4,476	-3	-0.1%
12.3%	4,456	4,456	0	0.0%
13.6%	4,436	4,431	-4	-0.1%
14.8%	4,417	4,430	13	0.3%
16.0%	4,412	4,425	12	0.3%
17.3%	4,384	4,408	24	0.6%
18.5%	4,360	4,384	23	0.5%
19.8%	4,343	4,379	35	0.8%
21.0%	4,336	4,371	35	0.8%
22.2%	4,319	4,351	31	0.7%
23.5%	4,317	4,343	26	0.6%
24.7%	4,295	4,311	16	0.4%
25.9%	4,289	4,308	19	0.4%
27.2%	4,254	4,289	35	0.8%
28.4%	4,252	4,265	13	0.3%
29.6%	4,247	4,260	13	0.3%
30.9%	4,235	4,254	19	0.5%
32.1%	4,218	4,248	30	0.7%
33.3%	4,217	4,232	15	0.4%
34.6%	4,214	4,229	15	0.4%
35.8%	4,206	4,224	18	0.4%
37.0%	4,190	4,218	28	0.7%
38.3%	4,173	4,217	44	1.0%
39.5%	4,169	4,210	41	1.0%
40.7%	4,167	4,207	41	1.0%
42.0%	4,159	4,184	25	0.6%
43.2%	4,158	4,178	19	0.5%
44.4%	4,158	4,174	16	0.4%
45.7%	4,137	4,173	36	0.9%
46.9%	4,121	4,137	16	0.4%
48.1%	4,114	4,109	-4	-0.1%
49.4%	4,112	4,098	-14	-0.3%
50.6%	4,094	4,094	0	0.0%
51.9%	4,091	4,077	-13	-0.3%
53.1%	4,085	4,074	-11	-0.3%
54.3%	4,074	4,058	-16	-0.4%
55.6%	4,058	4,050	-8	-0.2%
56.8%	4,050	4,007	-43	-1.1%
58.0%	4,028	4,003	-25	-0.6%
59.3%	4,023	3,990	-34	-0.8%
60.5%	3,999	3,971	-29	-0.7%
61.7%	3,999	3,944	-55	-1.4%
63.0%	3,998	3,925	-73	-1.8%
64.2%	3,948	3,898	-51	-1.3%
65.4%	3,882	3,896	13	0.3%
66.7%	3,882	3,895	13	0.3%
67.9%	3,865	3,887	22	0.6%
69.1%	3,722	3,797	75	2.0%
70.4%	3,710	3,759	49	1.3%
71.6%	3,603	3,752	148	4.1%
72.8%	3,558	3,658	100	2.8%
74.1%	3,554	3,653	99	2.8%
75.3%	3,405	3,502	97	2.9%
76.5%	3,357	3,474	117	3.5%
77.8%	3,302	3,384	82	2.5%
79.0%	3,212	3,360	148	4.6%
80.2%	3,156	3,196	40	1.3%
81.5%	3,094	3,161	67	2.2%
82.7%	3,016	2,999	-17	-0.6%
84.0%	2,965	2,995	30	1.0%
85.2%	2,911	2,980	69	2.4%
86.4%	2,811	2,971	160	5.7%
87.7%	2,738	2,875	137	5.0%
88.9%	2,657	2,863	206	7.8%
90.1%	2,509	2,789	280	11.1%
91.4%	2,470	2,759	289	11.7%
92.6%	2,416	2,734	318	13.2%
93.8%	2,381	2,730	349	14.7%
95.1%	2,355	2,730	374	15.9%
96.3%	2,224	2,542	318	14.3%
97.5%	2,001	2,387	386	19.3%
98.8%	1,310	1,613	303	23.1%
100.0%	955	1,010	54	5.7%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,552	4,552	0	0.0%
1.2%	4,552	4,552	0	0.0%
2.5%	4,552	4,552	0	0.0%
3.7%	4,552	4,552	0	0.0%
4.9%	4,552	4,552	0	0.0%
6.2%	4,552	4,552	0	0.0%
7.4%	4,552	4,544	-8	-0.2%
8.6%	4,552	4,543	-9	-0.2%
9.9%	4,552	4,530	-22	-0.5%
11.1%	4,450	4,528	78	1.8%
12.3%	4,417	4,493	76	1.7%
13.6%	4,406	4,472	66	1.5%
14.8%	4,402	4,470	68	1.5%
16.0%	4,401	4,436	35	0.8%
17.3%	4,340	4,418	77	1.8%
18.5%	4,340	4,389	50	1.1%
19.8%	4,299	4,374	75	1.8%
21.0%	4,287	4,369	82	1.9%
22.2%	4,283	4,312	29	0.7%
23.5%	4,271	4,289	18	0.4%
24.7%	4,246	4,288	42	1.0%
25.9%	4,240	4,282	42	1.0%
27.2%	4,240	4,275	35	0.8%
28.4%	4,229	4,251	22	0.5%
29.6%	4,221	4,249	28	0.7%
30.9%	4,203	4,245	42	1.0%
32.1%	4,203	4,233	31	0.7%
33.3%	4,189	4,230	41	1.0%
34.6%	4,185	4,227	42	1.0%
35.8%	4,160	4,219	59	1.4%
37.0%	4,150	4,211	61	1.5%
38.3%	4,144	4,201	57	1.4%
39.5%	4,142	4,197	55	1.3%
40.7%	4,140	4,194	54	1.3%
42.0%	4,103	4,181	78	1.9%
43.2%	4,098	4,156	57	1.4%
44.4%	4,056	4,140	84	2.1%
45.7%	4,046	4,097	51	1.3%
46.9%	4,039	4,090	50	1.2%
48.1%	4,036	4,077	41	1.0%
49.4%	3,994	4,075	81	2.0%
50.6%	3,993	4,036	43	1.1%
51.9%	3,953	3,981	28	0.7%
53.1%	3,946	3,976	30	0.7%
54.3%	3,911	3,962	51	1.3%
55.6%	3,898	3,944	46	1.2%
56.8%	3,882	3,944	62	1.6%
58.0%	3,879	3,928	48	1.2%
59.3%	3,850	3,880	31	0.8%
60.5%	3,842	3,875	34	0.9%
61.7%	3,837	3,820	-17	-0.4%
63.0%	3,791	3,798	8	0.2%
64.2%	3,785	3,719	-66	-1.8%
65.4%	3,658	3,654	-4	-0.1%
66.7%	3,655	3,652	-3	-0.1%
67.9%	3,620	3,648	29	0.8%
69.1%	3,573	3,648	74	2.1%
70.4%	3,566	3,638	72	2.0%
71.6%	3,547	3,574	27	0.8%
72.8%	3,505	3,432	-73	-2.1%
74.1%	3,383	3,278	-104	-3.1%
75.3%	3,260	3,269	8	0.3%
76.5%	3,046	3,243	197	6.5%
77.8%	2,999	3,092	93	3.1%
79.0%	2,900	3,040	140	4.8%
80.2%	2,880	2,992	112	3.9%
81.5%	2,879	2,925	46	1.6%
82.7%	2,762	2,874	112	4.0%
84.0%	2,739	2,873	134	4.9%
85.2%	2,683	2,861	178	6.6%
86.4%	2,659	2,778	118	4.5%
87.7%	2,613	2,753	140	5.4%
88.9%	2,477	2,742	265	10.7%
90.1%	2,370	2,613	243	10.3%
91.4%	2,234	2,611	377	16.9%
92.6%	2,195	2,536	340	15.5%
93.8%	2,193	2,534	341	15.6%
95.1%	2,171	2,523	352	16.2%
96.3%	2,121	2,486	365	17.2%
97.5%	1,571	2,051	480	30.6%
98.8%	1,202	1,624	422	35.1%
100.0%	900	1,004	104	11.6%

Table SW-07-b

Shasta Lake, End of Month Storage

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,500	4,407	-93	-2.1%
1.2%	4,500	4,402	-98	-2.2%
2.5%	4,404	4,365	-39	-0.9%
3.7%	4,355	4,242	-113	-2.6%
4.9%	4,269	4,240	-29	-0.7%
6.2%	4,262	4,232	-30	-0.7%
7.4%	4,235	4,214	-21	-0.5%
8.6%	4,180	4,201	20	0.5%
9.9%	4,158	4,168	11	0.3%
11.1%	4,132	4,168	36	0.9%
12.3%	4,129	4,161	32	0.8%
13.6%	4,095	4,160	64	1.6%
14.8%	4,013	4,121	108	2.7%
16.0%	4,003	4,094	91	2.3%
17.3%	3,942	4,041	99	2.5%
18.5%	3,934	4,023	89	2.3%
19.8%	3,918	3,996	78	2.0%
21.0%	3,890	3,982	92	2.4%
22.2%	3,882	3,973	91	2.4%
23.5%	3,881	3,961	80	2.1%
24.7%	3,846	3,955	110	2.8%
25.9%	3,796	3,948	152	4.0%
27.2%	3,791	3,944	153	4.0%
28.4%	3,786	3,922	136	3.6%
29.6%	3,769	3,920	151	4.0%
30.9%	3,760	3,905	145	3.9%
32.1%	3,747	3,858	111	3.0%
33.3%	3,714	3,814	99	2.7%
34.6%	3,657	3,782	125	3.4%
35.8%	3,637	3,751	115	3.2%
37.0%	3,619	3,750	131	3.6%
38.3%	3,605	3,740	135	3.7%
39.5%	3,600	3,697	98	2.7%
40.7%	3,598	3,691	93	2.6%
42.0%	3,553	3,669	116	3.3%
43.2%	3,521	3,619	99	2.8%
44.4%	3,517	3,619	102	2.9%
45.7%	3,507	3,619	111	3.2%
46.9%	3,480	3,602	122	3.5%
48.1%	3,466	3,591	125	3.6%
49.4%	3,463	3,565	102	2.9%
50.6%	3,442	3,548	106	3.1%
51.9%	3,436	3,548	112	3.3%
53.1%	3,414	3,514	101	2.9%
54.3%	3,403	3,497	94	2.8%
55.6%	3,400	3,496	96	2.8%
56.8%	3,391	3,443	52	1.5%
58.0%	3,338	3,414	75	2.3%
59.3%	3,306	3,348	42	1.3%
60.5%	3,260	3,344	85	2.6%
61.7%	3,255	3,323	69	2.1%
63.0%	3,248	3,312	64	2.0%
64.2%	3,206	3,238	32	1.0%
65.4%	3,200	3,236	36	1.1%
66.7%	3,200	3,236	36	1.1%
67.9%	3,174	3,226	53	1.7%
69.1%	3,161	3,200	39	1.2%
70.4%	3,050	3,104	53	1.8%
71.6%	3,047	3,092	45	1.5%
72.8%	3,013	3,089	76	2.5%
74.1%	2,917	2,830	-86	-3.0%
75.3%	2,734	2,797	63	2.3%
76.5%	2,702	2,732	30	1.1%
77.8%	2,657	2,720	63	2.4%
79.0%	2,494	2,694	200	8.0%
80.2%	2,493	2,600	107	4.3%
81.5%	2,474	2,570	96	3.9%
82.7%	2,398	2,515	117	4.9%
84.0%	2,394	2,491	97	4.0%
85.2%	2,366	2,481	115	4.9%
86.4%	2,316	2,440	124	5.3%
87.7%	2,267	2,433	166	7.3%
88.9%	2,068	2,349	281	13.6%
90.1%	1,875	2,346	471	25.1%
91.4%	1,796	2,167	371	20.7%
92.6%	1,748	2,143	396	22.7%
93.8%	1,732	2,084	352	20.3%
95.1%	1,726	2,044	318	18.4%
96.3%	1,695	1,938	243	14.4%
97.5%	986	1,505	519	52.6%
98.8%	950	1,411	460	48.4%
100.0%	550	550	0	0.0%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	4,123	3,987	-136	-3.3%
1.2%	4,060	3,949	-111	-2.7%
2.5%	3,849	3,746	-103	-2.7%
3.7%	3,839	3,741	-98	-2.6%
4.9%	3,698	3,652	-46	-1.2%
6.2%	3,682	3,644	-38	-1.0%
7.4%	3,578	3,641	63	1.8%
8.6%	3,570	3,624	54	1.5%
9.9%	3,511	3,620	108	3.1%
11.1%	3,508	3,592	84	2.4%
12.3%	3,501	3,547	46	1.3%
13.6%	3,473	3,532	59	1.7%
14.8%	3,468	3,487	19	0.5%
16.0%	3,459	3,485	26	0.8%
17.3%	3,458	3,437	-21	-0.6%
18.5%	3,331	3,409	78	2.3%
19.8%	3,317	3,404	87	2.6%
21.0%	3,313	3,370	57	1.7%
22.2%	3,259	3,355	96	3.0%
23.5%	3,242	3,335	93	2.9%
24.7%	3,239	3,269	30	0.9%
25.9%	3,224	3,255	31	1.0%
27.2%	3,200	3,244	44	1.4%
28.4%	3,200	3,229	29	0.9%
29.6%	3,200	3,227	27	0.8%
30.9%	3,187	3,221	34	1.1%
32.1%	3,176	3,200	24	0.7%
33.3%	3,145	3,200	55	1.7%
34.6%	3,089	3,200	111	3.6%
35.8%	3,088	3,200	112	3.6%
37.0%	3,079	3,190	111	3.6%
38.3%	3,069	3,180	112	3.6%
39.5%	3,047	3,124	77	2.5%
40.7%	3,014	3,096	82	2.7%
42.0%	3,008	3,033	25	0.8%
43.2%	2,922	2,997	75	2.6%
44.4%	2,917	2,978	60	2.1%
45.7%	2,906	2,974	68	2.3%
46.9%	2,905	2,964	60	2.1%
48.1%	2,886	2,963	78	2.7%
49.4%	2,870	2,952	82	2.8%
50.6%	2,868	2,946	78	2.7%
51.9%	2,813	2,920	108	3.8%
53.1%	2,807	2,901	95	3.4%
54.3%	2,791	2,897	106	3.8%
55.6%	2,789	2,896	107	3.8%
56.8%	2,783	2,814	31	1.1%
58.0%	2,769	2,810	42	1.5%
59.3%	2,767	2,785	18	0.7%
60.5%	2,718	2,750	32	1.2%
61.7%	2,698	2,734	37	1.4%
63.0%	2,653	2,682	29	1.1%
64.2%	2,637	2,665	28	1.1%
65.4%	2,622	2,640	19	0.7%
66.7%	2,591	2,602	12	0.4%
67.9%	2,590	2,544	-46	-1.8%
69.1%	2,567	2,485	-82	-3.2%
70.4%	2,484	2,473	-11	-0.4%
71.6%	2,426	2,369	-56	-2.3%
72.8%	2,398	2,336	-62	-2.6%
74.1%	2,374	2,328	-46	-1.9%
75.3%	2,370	2,303	-67	-2.8%
76.5%	2,224	2,282	58	2.6%
77.8%	2,171	2,248	77	3.6%
79.0%	2,124	2,223	98	4.6%
80.2%	2,097	2,209	112	5.4%
81.5%	2,065	2,143	78	3.8%
82.7%	1,976	2,123	146	7.4%
84.0%	1,947	2,063	116	6.0%
85.2%	1,881	2,037	156	8.3%
86.4%	1,856	2,019	163	8.8%
87.7%	1,834	2,011	177	9.7%
88.9%	1,735	1,820	84	4.9%
90.1%	1,468	1,746	278	18.9%
91.4%	1,378	1,696	318	23.1%
92.6%	1,341	1,693	352	26.3%
93.8%	1,281	1,630	349	27.2%
95.1%	1,238	1,503	264	21.4%
96.3%	1,135	1,475	340	30.0%
97.5%	650	1,053	403	62.0%
98.8%	638	1,053	415	65.1%
100.0%	550	550	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,700	3,700	0	0.0%
1.2%	3,700	3,655	-45	-1.2%
2.5%	3,587	3,414	-173	-4.8%
3.7%	3,563	3,381	-182	-5.1%
4.9%	3,416	3,365	-51	-1.5%
6.2%	3,389	3,339	-49	-1.5%
7.4%	3,363	3,332	-32	-0.9%
8.6%	3,285	3,315	30	0.9%
9.9%	3,252	3,291	38	1.2%
11.1%	3,200	3,242	42	1.3%
12.3%	3,187	3,217	30	1.0%
13.6%	3,179	3,200	21	0.7%
14.8%	3,155	3,150	-5	-0.2%
16.0%	3,152	3,141	-11	-0.4%
17.3%	3,106	3,118	12	0.4%
18.5%	3,091	3,102	11	0.4%
19.8%	3,047	3,073	26	0.9%
21.0%	3,029	3,034	5	0.2%
22.2%	3,028	3,032	4	0.1%
23.5%	3,026	2,982	-43	-1.4%
24.7%	2,997	2,956	-41	-1.4%
25.9%	2,986	2,955	-32	-1.1%
27.2%	2,965	2,949	-15	-0.5%
28.4%	2,958	2,947	-10	-0.3%
29.6%	2,948	2,940	-7	-0.3%
30.9%	2,937	2,923	-15	-0.5%
32.1%	2,918	2,920	2	0.1%
33.3%	2,902	2,919	17	0.6%
34.6%	2,835	2,914	79	2.8%
35.8%	2,816	2,889	73	2.6%
37.0%	2,804	2,859	55	2.0%
38.3%	2,765	2,857	92	3.3%
39.5%	2,751	2,844	93	3.4%
40.7%	2,744	2,826	82	3.0%
42.0%	2,733	2,795	62	2.3%
43.2%	2,699	2,777	78	2.9%
44.4%	2,699	2,755	56	2.1%
45.7%	2,697	2,724	27	1.0%
46.9%	2,666	2,710	44	1.7%
48.1%	2,649	2,680	31	1.2%
49.4%	2,632	2,676	45	1.7%
50.6%	2,621	2,653	32	1.2%
51.9%	2,581	2,648	66	2.6%
53.1%	2,574	2,645	71	2.8%
54.3%	2,554	2,604	50	2.0%
55.6%	2,503	2,603	100	4.0%
56.8%	2,496	2,535	39	1.6%
58.0%	2,483	2,525	42	1.7%
59.3%	2,461	2,497	35	1.4%
60.5%	2,450	2,489	40	1.6%
61.7%	2,427	2,482	55	2.3%
63.0%	2,366	2,461	95	4.0%
64.2%	2,344	2,409	65	2.8%
65.4%	2,343	2,390	47	2.0%
66.7%	2,311	2,367	57	2.5%
67.9%	2,281	2,261	-20	-0.9%
69.1%	2,216	2,239	23	1.1%
70.4%	2,146	2,152	6	0.3%
71.6%	2,134	2,147	14	0.6%
72.8%	2,126	2,140	13	0.6%
74.1%	2,099	2,088	-11	-0.5%
75.3%	2,093	2,043	-50	-2.4%
76.5%	1,951	2,000	49	2.5%
77.8%	1,906	1,997	91	4.7%
79.0%	1,899	1,991	93	4.9%
80.2%	1,824	1,990	166	9.1%
81.5%	1,802	1,920	118	6.6%
82.7%	1,731	1,879	148	8.5%
84.0%	1,711	1,832	121	7.1%
85.2%	1,658	1,822	164	9.9%
86.4%	1,620	1,800	180	11.1%
87.7%	1,511	1,693	182	12.1%
88.9%	1,408	1,611	203	14.4%
90.1%	1,022	1,428	407	39.8%
91.4%	970	1,418	449	46.3%
92.6%	915	1,271	356	38.9%
93.8%	800	1,265	465	58.1%
95.1%	768	1,221	453	59.0%
96.3%	746	1,188	442	59.3%
97.5%	602	849	247	41.1%
98.8%	550	690	140	25.5%
100.0%	550	550	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,275	3,265	-10	-0.3%
1.2%	3,228	3,237	9	0.3%
2.5%	3,200	3,231	31	1.0%
3.7%	3,200	3,200	0	0.0%
4.9%	3,188	3,174	-14	-0.4%
6.2%	3,176	3,150	-26	-0.8%
7.4%	3,174	3,028	-146	-4.6%
8.6%	2,996	3,024	29	1.0%
9.9%	2,987	3,019	33	1.1%
11.1%	2,903	2,969	66	2.3%
12.3%	2,896	2,934	38	1.3%
13.6%	2,870	2,921	50	1.8%
14.8%	2,862	2,919	57	2.0%
16.0%	2,817	2,910	93	3.3%
17.3%	2,811	2,854	43	1.5%
18.5%	2,807	2,843	36	1.3%
19.8%	2,795	2,836	41	1.5%
21.0%	2,780	2,811	31	1.1%
22.2%	2,778	2,810	32	1.2%
23.5%	2,726	2,791	65	2.4%
24.7%	2,721	2,779	58	2.1%
25.9%	2,713	2,773	60	2.2%
27.2%	2,708	2,748	40	1.5%
28.4%	2,641	2,732	91	3.4%
29.6%	2,604	2,719	115	4.4%
30.9%	2,601	2,693	92	3.5%
32.1%	2,601	2,623	23	0.9%
33.3%	2,588	2,601	12	0.5%
34.6%	2,585	2,587	2	0.1%
35.8%	2,571	2,576	4	0.2%
37.0%	2,562	2,568	6	0.2%
38.3%	2,551	2,552	1	0.1%
39.5%	2,543	2,540	-3	-0.1%
40.7%	2,510	2,528	18	0.7%
42.0%	2,479	2,526	47	1.9%
43.2%	2,478	2,498	21	0.8%
44.4%	2,476	2,492	15	0.6%
45.7%	2,468	2,473	5	0.2%
46.9%	2,465	2,467	1	0.1%
48.1%	2,462	2,454	-8	-0.3%
49.4%	2,457	2,449	-8	-0.3%
50.6%	2,422	2,429	6	0.3%
51.9%	2,414	2,428	14	0.6%
53.1%	2,387	2,417	30	1.3%
54.3%	2,355	2,415	60	2.5%
55.6%	2,354	2,408	54	2.3%
56.8%	2,338	2,399	61	2.6%
58.0%	2,311	2,373	62	2.7%
59.3%	2,292	2,363	71	3.1%
60.5%	2,270	2,354	84	3.7%
61.7%	2,249	2,342	93	4.1%
63.0%	2,230	2,287	57	2.5%
64.2%	2,191	2,231	41	1.9%
65.4%	2,172	2,187	15	0.7%
66.7%	2,169	2,151	-18	-0.8%
67.9%	2,155	2,133	-22	-1.0%
69.1%	2,133	2,132	-1	-0.1%
70.4%	2,122	2,063	-59	-2.8%
71.6%	2,031	2,061	31	1.5%
72.8%	2,029	2,019	-10	-0.5%
74.1%	2,011	2,013	2	0.1%
75.3%	1,962	1,893	-70	-3.5%
76.5%	1,921	1,891	-30	-1.5%
77.8%	1,872	1,890	18	1.0%
79.0%	1,842	1,865	24	1.3%
80.2%	1,827	1,839	12	0.7%
81.5%	1,774	1,834	60	3.4%
82.7%	1,759	1,800	41	2.3%
84.0%	1,700	1,773	73	4.3%
85.2%	1,682	1,721	39	2.3%
86.4%	1,612	1,710	98	6.1%
87.7%	1,599	1,625	25	1.6%
88.9%	1,299	1,598	298	22.9%
90.1%	978	1,347	368	37.6%
91.4%	877	1,318	441	50.2%
92.6%	836	1,188	352	42.1%
93.8%	800	1,135	335	41.9%
95.1%	771	1,127	356	46.2%
96.3%	683	1,118	435	63.7%
97.5%	653	800	147	22.5%
98.8%	563	755	193	34.3%
100.0%	550	576	26	4.6%

Figure SW-08-b
Shasta Lake, End of Month Elevation
Probability of Exceedance

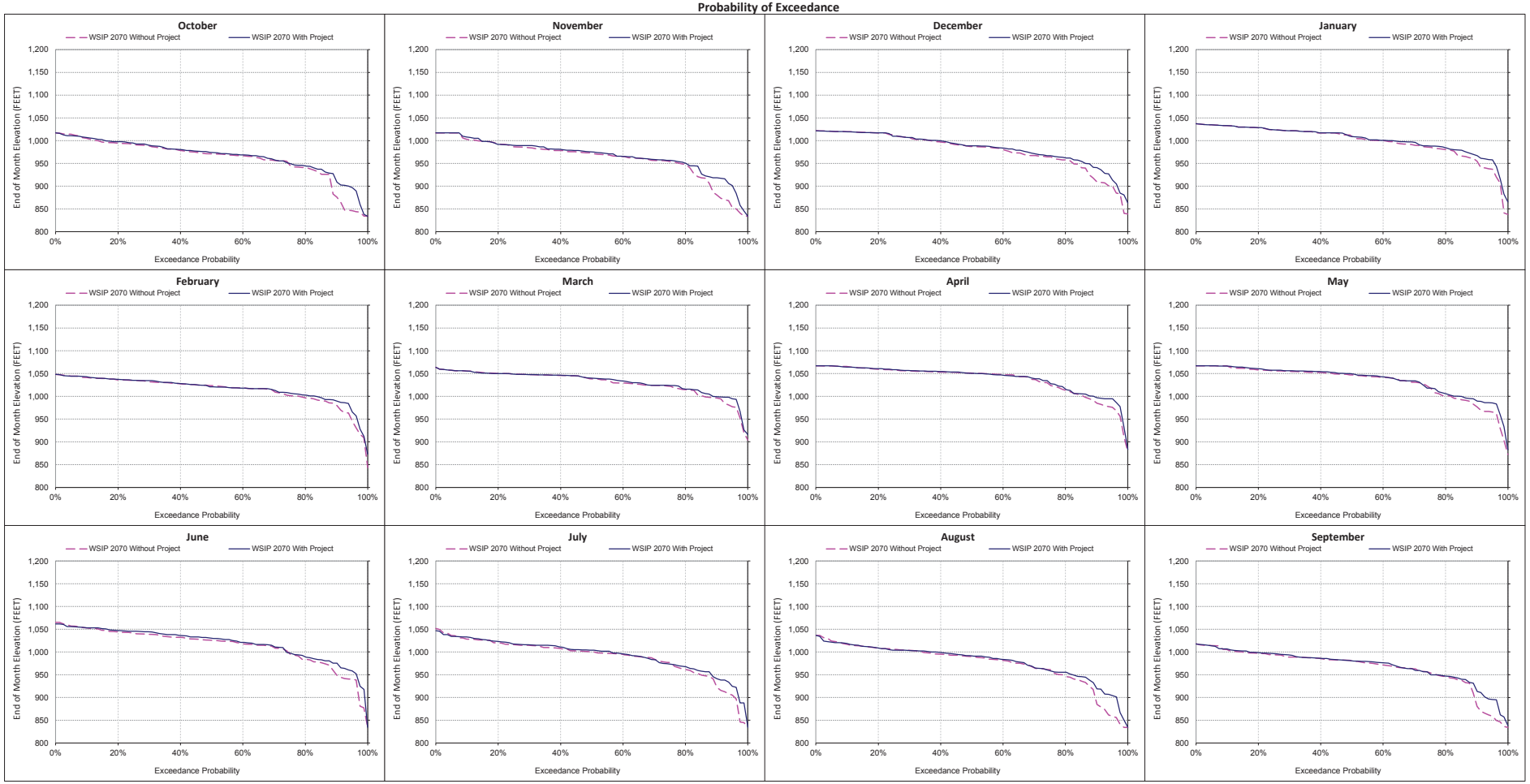


Table SW-08-b

Shasta Lake, End of Month Elevation

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,016	1,016	0	0.0%
2.5%	1,015	1,013	-2	-0.2%
3.7%	1,014	1,011	-3	-0.3%
4.9%	1,014	1,011	-3	-0.3%
6.2%	1,012	1,010	-2	-0.2%
7.4%	1,011	1,010	-1	-0.1%
8.6%	1,007	1,008	1	0.1%
9.9%	1,005	1,007	2	0.2%
11.1%	1,003	1,005	3	0.3%
12.3%	1,001	1,004	4	0.4%
13.6%	1,000	1,003	3	0.3%
14.8%	997	1,002	5	0.5%
16.0%	996	1,000	4	0.4%
17.3%	996	999	3	0.3%
18.5%	995	998	3	0.3%
19.8%	995	998	3	0.3%
21.0%	994	998	4	0.4%
22.2%	994	997	4	0.4%
23.5%	993	996	2	0.2%
24.7%	992	995	3	0.3%
25.9%	991	993	2	0.2%
27.2%	990	993	2	0.2%
28.4%	990	992	3	0.3%
29.6%	989	990	1	0.1%
30.9%	987	988	2	0.2%
32.1%	986	988	3	0.3%
33.3%	984	988	4	0.4%
34.6%	983	985	2	0.2%
35.8%	982	982	0	0.0%
37.0%	981	982	0	0.0%
38.3%	981	981	0	0.0%
39.5%	979	981	2	0.2%
40.7%	978	980	2	0.2%
42.0%	977	979	2	0.2%
43.2%	975	978	3	0.3%
44.4%	975	977	2	0.2%
45.7%	974	977	3	0.3%
46.9%	972	976	4	0.4%
48.1%	971	976	5	0.5%
49.4%	971	974	3	0.3%
50.6%	971	974	3	0.3%
51.9%	971	973	3	0.3%
53.1%	971	972	1	0.1%
54.3%	970	971	2	0.2%
55.6%	968	971	3	0.3%
56.8%	968	970	2	0.2%
58.0%	967	970	2	0.3%
59.3%	967	969	2	0.2%
60.5%	967	969	2	0.2%
61.7%	966	968	3	0.3%
63.0%	965	967	2	0.2%
64.2%	963	967	4	0.4%
65.4%	962	966	4	0.4%
66.7%	958	965	7	0.7%
67.9%	958	961	3	0.4%
69.1%	958	960	3	0.3%
70.4%	956	957	1	0.1%
71.6%	956	955	-1	-0.1%
72.8%	956	955	-1	-0.1%
74.1%	955	951	-3	-0.4%
75.3%	944	949	5	0.5%
76.5%	942	946	4	0.4%
77.8%	942	946	4	0.5%
79.0%	941	946	5	0.5%
80.2%	941	944	3	0.3%
81.5%	938	944	5	0.6%
82.7%	935	940	5	0.5%
84.0%	932	937	5	0.6%
85.2%	926	937	11	1.2%
86.4%	926	931	5	0.5%
87.7%	926	929	3	0.3%
88.9%	883	928	45	5.1%
90.1%	876	909	33	3.8%
91.4%	865	903	38	4.4%
92.6%	847	902	55	6.4%
93.8%	847	900	53	6.3%
95.1%	846	897	51	6.0%
96.3%	844	889	45	5.4%
97.5%	843	860	17	2.0%
98.8%	834	838	4	0.5%
100.0%	834	834	0	0.0%

November				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,017	1,017	0	0.0%
1.2%	1,017	1,017	0	0.0%
2.5%	1,017	1,017	0	0.0%
3.7%	1,017	1,017	0	0.0%
4.9%	1,017	1,017	0	0.0%
6.2%	1,017	1,017	0	0.0%
7.4%	1,017	1,017	0	0.0%
8.6%	1,006	1,010	4	0.4%
9.9%	1,003	1,008	5	0.5%
11.1%	1,001	1,007	6	0.6%
12.3%	1,001	1,005	4	0.4%
13.6%	999	1,005	6	0.6%
14.8%	999	998	-1	-0.1%
16.0%	998	998	0	0.0%
17.3%	998	998	0	0.0%
18.5%	996	995	-1	-0.1%
19.8%	993	992	-1	-0.1%
21.0%	992	991	0	0.0%
22.2%	992	991	-1	-0.1%
23.5%	990	991	1	0.1%
24.7%	987	990	3	0.3%
25.9%	986	989	3	0.3%
27.2%	986	989	4	0.4%
28.4%	986	989	4	0.4%
29.6%	985	989	5	0.5%
30.9%	984	989	5	0.5%
32.1%	982	988	6	0.6%
33.3%	982	987	5	0.5%
34.6%	981	986	5	0.5%
35.8%	980	982	1	0.1%
37.0%	979	982	3	0.3%
38.3%	978	981	3	0.3%
39.5%	978	981	3	0.3%
40.7%	978	980	2	0.2%
42.0%	976	979	3	0.3%
43.2%	976	979	3	0.3%
44.4%	976	978	2	0.3%
45.7%	975	978	3	0.3%
46.9%	974	977	3	0.3%
48.1%	973	976	3	0.3%
49.4%	973	975	2	0.2%
50.6%	971	975	4	0.4%
51.9%	970	974	4	0.4%
53.1%	970	973	4	0.4%
54.3%	969	972	3	0.3%
55.6%	968	971	3	0.3%
56.8%	966	971	4	0.5%
58.0%	966	966	0	0.0%
59.3%	966	966	0	0.0%
60.5%	965	965	0	0.0%
61.7%	963	965	2	0.2%
63.0%	962	965	2	0.3%
64.2%	962	962	0	0.0%
65.4%	961	961	0	0.0%
66.7%	960	961	0	0.0%
67.9%	959	960	1	0.1%
69.1%	957	959	2	0.3%
70.4%	956	958	2	0.2%
71.6%	956	958	2	0.2%
72.8%	956	958	1	0.1%
74.1%	956	957	1	0.1%
75.3%	954	957	3	0.3%
76.5%	952	956	3	0.3%
77.8%	951	954	3	0.3%
79.0%	949	953	4	0.4%
80.2%	948	950	2	0.3%
81.5%	940	945	5	0.5%
82.7%	927	944	17	1.9%
84.0%	921	944	23	2.5%
85.2%	918	926	8	0.9%
86.4%	917	922	5	0.5%
87.7%	906	921	15	1.6%
88.9%	887	919	32	3.6%
90.1%	880	919	38	4.3%
91.4%	873	917	44	5.0%
92.6%	870	916	46	5.3%
93.8%	868	906	38	4.4%
95.1%	853	901	49	5.7%
96.3%	850	884	34	4.0%
97.5%	841	858	17	2.0%
98.8%	834	845	11	1.3%
100.0%	834	834	0	0.0%

December				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,022	1,022	0	0.0%
1.2%	1,021	1,021	0	0.0%
2.5%	1,021	1,021	0	0.0%
3.7%	1,021	1,021	0	0.0%
4.9%	1,021	1,021	0	0.0%
6.2%	1,020	1,020	0	0.0%
7.4%	1,020	1,020	0	0.0%
8.6%	1,020	1,020	0	0.0%
9.9%	1,020	1,020	0	0.0%
11.1%	1,020	1,019	0	0.0%
12.3%	1,019	1,019	-1	-0.1%
13.6%	1,019	1,018	0	0.0%
14.8%	1,018	1,018	0	0.0%
16.0%	1,018	1,018	0	0.0%
17.3%	1,018	1,018	0	0.0%
18.5%	1,018	1,017	-1	-0.1%
19.8%	1,017	1,017	0	0.0%
21.0%	1,017	1,017	0	0.0%
22.2%	1,017	1,017	0	0.0%
23.5%	1,014	1,016	2	0.2%
24.7%	1,013	1,010	-4	-0.3%
25.9%	1,010	1,010	-1	-0.1%
27.2%	1,008	1,009	1	0.1%
28.4%	1,008	1,007	-1	-0.1%
29.6%	1,008	1,007	-1	-0.1%
30.9%	1,004	1,007	3	0.3%
32.1%	1,003	1,004	1	0.1%
33.3%	1,003	1,003	1	0.1%
34.6%	1,002	1,003	1	0.1%
35.8%	1,001	1,001	0	0.0%
37.0%	1,000	1,000	1	0.1%
38.3%	998	1,000	3	0.3%
39.5%	997	1,000	3	0.3%
40.7%	996	999	3	0.3%
42.0%	996	997	1	0.1%
43.2%	994	995	1	0.1%
44.4%	992	994	2	0.2%
45.7%	991	992	1	0.1%
46.9%	990	991	1	0.1%
48.1%	988	989	0	0.0%
49.4%	987	989	2	0.2%
50.6%	987	989	2	0.2%
51.9%	987	988	2	0.2%
53.1%	986	988	2	0.2%
54.3%	986	988	2	0.2%
55.6%	986	987	2	0.2%
56.8%	984	986	2	0.2%
58.0%	984	985	1	0.1%
59.3%	983	984	1	0.1%
60.5%	979	983	4	0.4%
61.7%	977	982	5	0.5%
63.0%	973	982	8	0.8%
64.2%	973	979	6	0.6%
65.4%	973	979	6	0.6%
66.7%	970	977	7	0.7%
67.9%	967	975	7	0.8%
69.1%	967	973	6	0.6%
70.4%	967	971	4	0.4%
71.6%	966	969	3	0.4%
72.8%	966	969	3	0.3%
74.1%	965	967	3	0.3%
75.3%	964	967	3	0.3%
76.5%	960	965	6	0.6%
77.8%	959	964	5	0.5%
79.0%	958	963	5	0.6%
80.2%	958	962	4	0.4%
81.5%	956	962	6	0.6%
82.7%	949	958	9	1.0%
84.0%	948	957	9	0.9%
85.2%	940	954	14	1.5%
86.4%	940	950	10	1.1%
87.7%	925	949	25	2.7%
88.9%	918	941	23	2.5%
90.1%	909	941	32	3.5%
91.4%	908	936	28	3.1%
92.6%	907	928	21	2.3%
93.8%	901	927	26	2.9%
95.1%	901	913	12	1.4%
96.3%	885	905	20	2.3%
97.5%	883	885	2	0.2%
98.8%	840	881	41	4.9%
100.0%	839	863	24	2.9%

January				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,037	1,037	0	0.0%
1.2%	1,036	1,036	0	0.0%
2.5%	1,035	1,035	0	0.0%
3.7%	1,035	1,035	0	0.0%
4.9%	1,035	1,035	0	0.0%
6.2%	1,034	1,034	0	0.0%
7.4%	1,034	1,034	0	0.0%
8.6%	1,033	1,033	0	0.0%
9.9%	1,033	1,033	0	0.0%
11.1%	1,033	1,033	0	0.0%
12.3%	1,032	1,032	0	0.0%
13.6%	1,030	1,030	0	0.0%
14.8%	1,030	1,030	0	0.0%
16.0%	1,030	1,030	0	0.0%
17.3%	1,029	1,029	0	0.0%
18.5%	1,029	1,029	0	0.0%
19.8%	1,028	1,028	0	0.0%
21.0%	1,028	1,028	0	0.0%
22.2%	1,026	1,027	1	0.1%
23.5%	1,024	1,025	0	0.0%
24.7%	1,024	1,024	0	0.0%
25.9%	1,024	1,023	0	0.0%
27.2%	1,023	1,023	0	0.0%
28.4%	1,022	1,022	0	0.0%
29.6%	1,022	1,022	0	0.0%
30.9%	1,022	1,022	0	0.0%
32.1%	1,022	1,022	0	0.0%
33.3%	1,021	1,021	0	0.0%
34.6%	1,020	1,020	0	0.0%
35.8%	1,020	1,020	0	0.0%
37.0%	1,020	1,020	0	0.0%
38.3%	1,017	1,020	3	0.3%
39.5%	1,017	1,017	0	0.0%
40.7%	1,017	1,017	0	0.0%
42.0%	1,017	1,017	0	0.0%
43.2%	1,017	1,017	0	0.0%
44.4%	1,017	1,017	0	0.0%
45.7%	1,015	1,017	2	0.2%
46.9%	1,013	1,017	4	0.4%
48.1%	1,013	1,013	1	0.1%
49.4%	1,012	1,010	-2	-0.2%
50.6%	1,006	1,009	3	0.3%
51.9%	1,004	1,008	3	0.3%
53.1%	1,004	1,007	3	0.3%
54.3%	1,003	1,006	3	0.3%
55.6%	1,001	1,002	1	0.1%
56.8%	1,001	1,002	1	0.1%
58.0%	1,000	1,002	1	0.1%
59.3%	1,000	1,001	1	0.1%
60.5%	1,000	1,000	1	0.1%
61.7%	998	1,000	2	0.2%
63.0%	998	1,000	2	0.2%
64.2%	995	999	4	0.4%
65.4%	993	998	5	0.5%
66.7%	992	998	5	0.5%
67.9%	992	997	5	0.5%
69.1%	991	997	6	0.6%
70.4%	990	996	6	0.7%
71.6%	989	991	2	0.2%
72.8%	987	989	2	0.2%
74.1%	986	989	3	0.3%
75.3%	985	988	3	0.3%
76.5%	983	988	5	0.5%
77.8%	982	988	5	0.5%
79.0%	981	986	5	0.5%
80.2%	980	984	4	0.4%
81.5%	979	981	2	0.2%
82.7%	977	980	3	0.3%
84.0%	967	980	12	1.3%
85.2%	966	979	13	1.3%
86.4%	965	976	10	1.1%
87.7%	962	973	10	1.1%
88.9%	961	970	9	0.9%
90.1%	955	967	13	1.3%
91.4%	940	961	21	2.2%
92.6%	940	960	20	2.1%
93.8%	938	958	20	2.2%
95.1%	937	958	21	2.2%
96.3%	920	943	23	2.5%
97.5%	907	915	9	1.0%
98.8%	841	883	42	4.9%
100.0%	838	866	28	3.3%

Table SW-08-b

Shasta Lake, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,048	1,048	0	0.0%
1.2%	1,047	1,047	0	0.0%
2.5%	1,047	1,045	-1	-0.1%
3.7%	1,045	1,045	0	0.0%
4.9%	1,044	1,044	0	0.0%
6.2%	1,044	1,044	0	0.0%
7.4%	1,044	1,044	0	0.0%
8.6%	1,042	1,044	2	0.2%
9.9%	1,041	1,043	2	0.2%
11.1%	1,041	1,042	1	0.1%
12.3%	1,040	1,041	1	0.1%
13.6%	1,040	1,040	0	0.0%
14.8%	1,039	1,040	0	0.0%
16.0%	1,039	1,039	0	0.0%
17.3%	1,038	1,038	0	0.0%
18.5%	1,038	1,038	0	0.0%
19.8%	1,036	1,037	1	0.1%
21.0%	1,036	1,037	0	0.0%
22.2%	1,036	1,036	0	0.0%
23.5%	1,035	1,036	1	0.1%
24.7%	1,035	1,035	0	0.0%
25.9%	1,035	1,035	0	0.0%
27.2%	1,034	1,035	0	0.0%
28.4%	1,034	1,034	1	0.1%
29.6%	1,032	1,034	3	0.3%
30.9%	1,032	1,034	3	0.3%
32.1%	1,031	1,034	3	0.3%
33.3%	1,031	1,032	1	0.1%
34.6%	1,030	1,031	0	0.0%
35.8%	1,030	1,031	1	0.1%
37.0%	1,029	1,030	1	0.1%
38.3%	1,028	1,029	1	0.1%
39.5%	1,028	1,028	1	0.1%
40.7%	1,027	1,028	1	0.1%
42.0%	1,027	1,027	0	0.0%
43.2%	1,026	1,026	0	0.0%
44.4%	1,026	1,026	0	0.0%
45.7%	1,025	1,025	0	0.0%
46.9%	1,024	1,024	0	0.0%
48.1%	1,024	1,024	0	0.0%
49.4%	1,024	1,021	-3	-0.3%
50.6%	1,023	1,021	-3	-0.3%
51.9%	1,023	1,021	-2	-0.2%
53.1%	1,022	1,021	-1	-0.1%
54.3%	1,021	1,020	0	0.0%
55.6%	1,019	1,019	0	0.0%
56.8%	1,019	1,019	0	0.0%
58.0%	1,019	1,019	0	0.0%
59.3%	1,019	1,018	0	0.0%
60.5%	1,018	1,018	0	0.0%
61.7%	1,017	1,018	1	0.1%
63.0%	1,017	1,017	0	0.0%
64.2%	1,017	1,017	0	0.0%
65.4%	1,017	1,017	0	0.0%
66.7%	1,017	1,017	0	0.0%
67.9%	1,016	1,017	1	0.1%
69.1%	1,015	1,015	0	0.0%
70.4%	1,009	1,013	4	0.4%
71.6%	1,008	1,009	1	0.1%
72.8%	1,006	1,009	3	0.3%
74.1%	1,002	1,009	6	0.6%
75.3%	1,001	1,007	5	0.5%
76.5%	1,000	1,005	5	0.5%
77.8%	1,000	1,005	5	0.5%
79.0%	998	1,003	5	0.5%
80.2%	996	1,003	6	0.6%
81.5%	996	1,001	5	0.5%
82.7%	994	1,001	7	0.7%
84.0%	992	999	7	0.8%
85.2%	990	997	6	0.7%
86.4%	990	993	4	0.4%
87.7%	986	993	7	0.8%
88.9%	985	992	7	0.7%
90.1%	980	989	9	1.0%
91.4%	970	987	17	1.8%
92.6%	964	986	22	2.3%
93.8%	964	984	21	2.1%
95.1%	945	966	21	2.2%
96.3%	931	957	26	2.8%
97.5%	917	928	11	1.2%
98.8%	909	912	3	0.3%
100.0%	843	873	29	3.5%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,064	1,064	0	0.0%
1.2%	1,060	1,060	0	0.0%
2.5%	1,059	1,059	0	0.0%
3.7%	1,058	1,058	0	0.0%
4.9%	1,057	1,057	0	0.0%
6.2%	1,056	1,056	0	0.0%
7.4%	1,056	1,056	0	0.0%
8.6%	1,056	1,056	0	0.0%
9.9%	1,055	1,055	0	0.0%
11.1%	1,055	1,055	0	0.0%
12.3%	1,054	1,053	-1	-0.1%
13.6%	1,053	1,052	-1	-0.1%
14.8%	1,052	1,051	-1	-0.1%
16.0%	1,051	1,051	0	0.0%
17.3%	1,051	1,051	0	0.0%
18.5%	1,051	1,050	-1	-0.1%
19.8%	1,050	1,050	0	0.0%
21.0%	1,050	1,050	0	0.0%
22.2%	1,050	1,050	0	0.0%
23.5%	1,050	1,050	0	0.0%
24.7%	1,049	1,049	-1	-0.1%
25.9%	1,048	1,048	0	0.0%
27.2%	1,048	1,048	0	0.0%
28.4%	1,048	1,048	0	0.0%
29.6%	1,048	1,048	0	0.0%
30.9%	1,048	1,048	0	0.0%
32.1%	1,047	1,048	0	0.0%
33.3%	1,047	1,047	0	0.0%
34.6%	1,047	1,047	0	0.0%
35.8%	1,047	1,047	0	0.0%
37.0%	1,047	1,047	0	0.0%
38.3%	1,046	1,047	0	0.0%
39.5%	1,046	1,046	0	0.0%
40.7%	1,046	1,046	0	0.0%
42.0%	1,046	1,046	0	0.0%
43.2%	1,045	1,046	0	0.0%
44.4%	1,045	1,045	0	0.0%
45.7%	1,045	1,045	0	0.0%
46.9%	1,043	1,043	0	0.0%
48.1%	1,041	1,041	0	0.0%
49.4%	1,039	1,040	2	0.1%
50.6%	1,038	1,040	2	0.1%
51.9%	1,038	1,039	1	0.1%
53.1%	1,036	1,039	2	0.2%
54.3%	1,036	1,038	2	0.2%
55.6%	1,034	1,038	4	0.4%
56.8%	1,030	1,037	7	0.7%
58.0%	1,029	1,035	6	0.6%
59.3%	1,029	1,034	5	0.5%
60.5%	1,029	1,033	4	0.4%
61.7%	1,029	1,032	3	0.3%
63.0%	1,028	1,030	2	0.2%
64.2%	1,027	1,030	3	0.3%
65.4%	1,026	1,029	3	0.3%
66.7%	1,025	1,028	3	0.3%
67.9%	1,024	1,025	1	0.1%
69.1%	1,024	1,024	0	0.0%
70.4%	1,024	1,024	0	0.0%
71.6%	1,024	1,024	0	0.0%
72.8%	1,024	1,024	0	0.0%
74.1%	1,023	1,024	1	0.1%
75.3%	1,022	1,024	2	0.2%
76.5%	1,018	1,024	6	0.6%
77.8%	1,017	1,022	5	0.5%
79.0%	1,015	1,017	2	0.2%
80.2%	1,014	1,016	1	0.1%
81.5%	1,014	1,016	2	0.2%
82.7%	1,013	1,015	1	0.1%
84.0%	1,003	1,014	11	1.1%
85.2%	1,001	1,008	7	0.7%
86.4%	999	1,006	8	0.8%
87.7%	998	1,005	7	0.7%
88.9%	997	1,000	3	0.3%
90.1%	996	999	3	0.3%
91.4%	994	999	4	0.4%
92.6%	984	998	14	1.4%
93.8%	981	998	17	1.7%
95.1%	977	995	18	1.8%
96.3%	976	993	17	1.8%
97.5%	952	967	15	1.5%
98.8%	920	926	7	0.7%
100.0%	904	916	12	1.3%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,066	1,067	0	0.0%
7.4%	1,066	1,066	0	0.0%
8.6%	1,066	1,065	-1	-0.1%
9.9%	1,066	1,064	-1	-0.1%
11.1%	1,064	1,064	0	0.0%
12.3%	1,064	1,064	0	0.0%
13.6%	1,063	1,063	0	0.0%
14.8%	1,062	1,063	0	0.0%
16.0%	1,062	1,062	0	0.0%
17.3%	1,061	1,062	1	0.1%
18.5%	1,060	1,061	1	0.1%
19.8%	1,060	1,061	1	0.1%
21.0%	1,059	1,061	1	0.1%
22.2%	1,059	1,060	1	0.1%
23.5%	1,059	1,060	1	0.1%
24.7%	1,058	1,058	1	0.1%
25.9%	1,058	1,058	1	0.1%
27.2%	1,056	1,058	1	0.1%
28.4%	1,056	1,057	0	0.0%
29.6%	1,056	1,057	0	0.0%
30.9%	1,056	1,056	1	0.1%
32.1%	1,055	1,056	1	0.1%
33.3%	1,055	1,056	1	0.1%
34.6%	1,055	1,055	1	0.1%
35.8%	1,055	1,055	1	0.1%
37.0%	1,054	1,055	1	0.1%
38.3%	1,053	1,055	2	0.1%
39.5%	1,053	1,055	1	0.1%
40.7%	1,053	1,055	1	0.1%
42.0%	1,053	1,054	1	0.1%
43.2%	1,053	1,054	1	0.1%
44.4%	1,053	1,053	1	0.1%
45.7%	1,052	1,053	1	0.1%
46.9%	1,052	1,052	1	0.1%
48.1%	1,051	1,051	0	0.0%
49.4%	1,051	1,051	-1	0.0%
50.6%	1,051	1,051	0	0.0%
51.9%	1,051	1,050	0	0.0%
53.1%	1,050	1,050	0	0.0%
54.3%	1,050	1,049	-1	-0.1%
55.6%	1,049	1,049	0	0.0%
56.8%	1,049	1,048	-2	-0.1%
58.0%	1,048	1,047	-1	-0.1%
59.3%	1,048	1,047	-1	-0.1%
60.5%	1,047	1,046	-1	-0.1%
61.7%	1,047	1,045	-2	-0.2%
63.0%	1,047	1,045	-3	-0.2%
64.2%	1,045	1,044	-2	-0.2%
65.4%	1,043	1,044	0	0.0%
66.7%	1,043	1,043	0	0.0%
67.9%	1,042	1,043	1	0.1%
69.1%	1,037	1,040	3	0.3%
70.4%	1,037	1,039	2	0.2%
71.6%	1,032	1,038	6	0.6%
72.8%	1,030	1,035	4	0.4%
74.1%	1,030	1,034	4	0.4%
75.3%	1,024	1,028	4	0.4%
76.5%	1,022	1,027	5	0.5%
77.8%	1,019	1,023	4	0.3%
79.0%	1,015	1,022	6	0.6%
80.2%	1,013	1,015	2	0.2%
81.5%	1,010	1,013	3	0.3%
82.7%	1,007	1,006	-1	-0.1%
84.0%	1,005	1,006	1	0.1%
85.2%	1,002	1,005	3	0.3%
86.4%	998	1,005	7	0.7%
87.7%	995	1,001	6	0.6%
88.9%	991	1,000	9	0.9%
90.1%	985	997	12	1.2%
91.4%	982	996	13	1.3%
92.6%	979	995	15	1.5%
93.8%	977	994	17	1.7%
95.1%	976	994	18	1.9%
96.3%	968	986	18	1.8%
97.5%	956	978	22	2.3%
98.8%	910	933	22	2.4%
100.0%	878	884	6	0.6%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,067	1,067	0	0.0%
1.2%	1,067	1,067	0	0.0%
2.5%	1,067	1,067	0	0.0%
3.7%	1,067	1,067	0	0.0%
4.9%	1,067	1,067	0	0.0%
6.2%	1,067	1,067	0	0.0%
7.4%	1,067	1,067	0	0.0%
8.6%	1,067	1,067	0	0.0%
9.9%	1,067	1,066	-1	-0.1%
11.1%	1,063	1,066	3	0.3%
12.3%	1,062	1,065	3	0.3%
13.6%	1,062	1,064	2	0.2%
14.8%	1,062	1,064	2	0.2%
16.0%	1,062	1,063	1	0.1%
17.3%	1,059	1,062	3	0.3%
18.5%	1,059	1,061	2	0.2%
19.8%	1,058	1,061	3	0.3%
21.0%	1,058	1,060	3	0.3%
22.2%	1,057	1,058	1	0.1%
23.5%	1,057	1,058	1	0.1%
24.7%	1,056	1,058	1	0.1%
25.9%	1,056	1,057	1	0.1%
27.2%	1,056	1,057	1	0.1%
28.4%	1,055	1,056	1	0.1%
29.6%	1,055	1,056	1	0.1%
30.9%	1,055	1,056	2	0.1%
32.1%	1,055	1,056	1	0.1%
33.3%	1,054	1,055	1	0.1%
34.6%	1,054	1,055	2	0.1%
35.8%	1,053	1,055	2	0.2%
37.0%	1,053	1,055	2	0.2%
38.3%	1,052	1,054	2	0.2%
39.5%	1,052	1,054	2	0.2%
40.7%	1,052	1,054	2	0.2%
42.0%	1,051	1,054	3	0.3%
43.2%	1,051	1,053	2	0.2%
44.4%	1,049	1,052	3	0.3%
45.7%	1,049	1,051	2	0.2%
46.9%	1,049	1,050	2	0.2%
48.1%	1,049	1,050	1	0.1%
49.4%	1,047	1,050	3	0.3%
50.6%	1,047	1,049	2	0.1%
51.9%	1,046	1,047	1	0.1%
53.1%	1,045	1,046	1	0.1%
54.3%	1,044	1,046	2	0.2%
55.6%	1,044	1,045	2	0.2%
56.8%	1,043	1,045	2	0.2%
58.0%	1,043	1,045	2	0.2%
59.3%	1,042	1,043	1	0.1%
60.5%	1,042	1,043	1	0.1%
61.7%	1,041	1,041	-1	-0.1%
63.0%	1,040	1,040	0	0.0%
64.2%	1,040	1,037	-2	-0.2%
65.4%	1,035	1,034	0	0.0%
66.7%	1,034	1,034	0	0.0%
67.9%	1,033	1,034	1	0.1%
69.1%	1,031	1,034	3	0.3%
70.4%	1,031	1,034	3	0.3%
71.6%	1,030	1,031	1	0.1%
72.8%	1,028	1,025	-3	-0.3%
74.1%	1,023	1,018	-5	-0.4%
75.3%	1,017	1,018	0	0.0%
76.5%	1,008	1,017	9	0.8%
77.8%	1,006	1,010	4	0.4%
79.0%	1,002	1,008	6	0.6%
80.2%	1,001	1,006	5	0.5%
81.5%	1,001	1,003	2	0.2%
82.7%	996	1,001	5	0.5%
84.0%	995	1,001	6	0.6%
85.2%	992	1,000	8	0.8%
86.4%	991	996	5	0.5%
87.7%	989	995	6	0.6%
88.9%	983	995	12	1.2%
90.1%	977	989	12	1.3%
91.4%	969	989	20	2.1%
92.6%	967	986	19	2.0%
93.8%	967	986	19	2.0%
95.1%	966	985	20	2.1%
96.3%	963	983	21	2.2%
97.5%	930	959	29	3.1%
98.8%	903	933	31	3.4%
100.0%	872	883	11	1.2%

Table SW-08-b

Shasta Lake, End of Month Elevation

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,065	1,062	-3	-0.3%
1.2%	1,065	1,062	-4	-0.3%
2.5%	1,062	1,060	-1	-0.1%
3.7%	1,060	1,056	-4	-0.4%
4.9%	1,057	1,056	-1	-0.1%
6.2%	1,057	1,056	-1	-0.1%
7.4%	1,056	1,055	-1	-0.1%
8.6%	1,054	1,054	1	0.1%
9.9%	1,053	1,053	0	0.0%
11.1%	1,052	1,053	1	0.1%
12.3%	1,052	1,053	1	0.1%
13.6%	1,051	1,053	2	0.2%
14.8%	1,048	1,052	4	0.4%
16.0%	1,047	1,051	3	0.3%
17.3%	1,045	1,049	4	0.3%
18.5%	1,045	1,048	3	0.3%
19.8%	1,044	1,047	3	0.3%
21.0%	1,043	1,047	3	0.3%
22.2%	1,043	1,046	3	0.3%
23.5%	1,043	1,046	3	0.3%
24.7%	1,042	1,046	4	0.4%
25.9%	1,040	1,045	5	0.5%
27.2%	1,040	1,045	5	0.5%
28.4%	1,040	1,044	5	0.5%
29.6%	1,039	1,044	5	0.5%
30.9%	1,039	1,044	5	0.5%
32.1%	1,038	1,042	4	0.4%
33.3%	1,037	1,041	4	0.3%
34.6%	1,035	1,039	5	0.5%
35.8%	1,034	1,038	5	0.5%
37.0%	1,033	1,038	5	0.5%
38.3%	1,032	1,038	6	0.5%
39.5%	1,032	1,036	4	0.4%
40.7%	1,032	1,036	4	0.4%
42.0%	1,030	1,035	5	0.5%
43.2%	1,029	1,033	4	0.4%
44.4%	1,028	1,033	4	0.4%
45.7%	1,028	1,033	5	0.5%
46.9%	1,027	1,032	5	0.5%
48.1%	1,026	1,032	5	0.5%
49.4%	1,026	1,031	4	0.4%
50.6%	1,025	1,030	5	0.5%
51.9%	1,025	1,030	5	0.5%
53.1%	1,024	1,028	4	0.4%
54.3%	1,024	1,028	4	0.4%
55.6%	1,023	1,028	4	0.4%
56.8%	1,023	1,025	2	0.2%
58.0%	1,021	1,024	3	0.3%
59.3%	1,019	1,021	2	0.2%
60.5%	1,017	1,021	4	0.4%
61.7%	1,017	1,020	3	0.3%
63.0%	1,017	1,020	3	0.3%
64.2%	1,015	1,016	1	0.1%
65.4%	1,015	1,016	2	0.2%
66.7%	1,015	1,016	2	0.2%
67.9%	1,014	1,016	2	0.2%
69.1%	1,013	1,015	2	0.2%
70.4%	1,008	1,011	2	0.2%
71.6%	1,008	1,010	2	0.2%
72.8%	1,007	1,010	3	0.3%
74.1%	1,002	999	-4	-0.4%
75.3%	995	997	3	0.3%
76.5%	993	994	1	0.1%
77.8%	991	994	3	0.3%
79.0%	984	993	9	0.9%
80.2%	984	989	5	0.5%
81.5%	983	987	5	0.5%
82.7%	978	985	7	0.7%
84.0%	978	984	5	0.6%
85.2%	977	983	7	0.7%
86.4%	974	981	7	0.7%
87.7%	971	980	9	1.0%
88.9%	960	976	16	1.7%
90.1%	949	975	27	2.8%
91.4%	944	965	21	2.2%
92.6%	941	964	22	2.4%
93.8%	941	961	20	2.1%
95.1%	940	958	18	1.9%
96.3%	938	952	14	1.5%
97.5%	881	925	44	5.0%
98.8%	877	918	40	4.6%
100.0%	834	834	0	0.0%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,052	1,047	-5	-0.5%
1.2%	1,049	1,045	-4	-0.4%
2.5%	1,042	1,038	-4	-0.4%
3.7%	1,041	1,038	-4	-0.3%
4.9%	1,036	1,034	-2	-0.2%
6.2%	1,036	1,034	-2	-0.2%
7.4%	1,031	1,034	3	0.3%
8.6%	1,031	1,033	2	0.2%
9.9%	1,028	1,033	5	0.5%
11.1%	1,028	1,032	4	0.4%
12.3%	1,028	1,030	2	0.2%
13.6%	1,027	1,029	3	0.2%
14.8%	1,026	1,027	1	0.1%
16.0%	1,026	1,027	1	0.1%
17.3%	1,026	1,025	-1	-0.1%
18.5%	1,020	1,024	3	0.3%
19.8%	1,020	1,024	4	0.4%
21.0%	1,020	1,022	2	0.2%
22.2%	1,017	1,021	4	0.4%
23.5%	1,017	1,021	4	0.4%
24.7%	1,016	1,018	1	0.1%
25.9%	1,016	1,017	1	0.1%
27.2%	1,015	1,017	2	0.2%
28.4%	1,015	1,016	1	0.1%
29.6%	1,015	1,016	1	0.1%
30.9%	1,014	1,016	1	0.1%
32.1%	1,014	1,015	1	0.1%
33.3%	1,012	1,015	2	0.2%
34.6%	1,010	1,015	5	0.5%
35.8%	1,010	1,015	5	0.5%
37.0%	1,009	1,014	5	0.5%
38.3%	1,009	1,014	5	0.5%
39.5%	1,008	1,011	3	0.3%
40.7%	1,007	1,010	4	0.4%
42.0%	1,006	1,007	1	0.1%
43.2%	1,003	1,006	3	0.3%
44.4%	1,002	1,005	3	0.3%
45.7%	1,002	1,005	3	0.3%
46.9%	1,002	1,005	3	0.3%
48.1%	1,001	1,004	3	0.3%
49.4%	1,000	1,004	4	0.4%
50.6%	1,000	1,004	3	0.3%
51.9%	998	1,003	5	0.5%
53.1%	998	1,002	4	0.4%
54.3%	997	1,002	5	0.5%
55.6%	997	1,002	5	0.5%
56.8%	997	998	1	0.1%
58.0%	996	998	2	0.2%
59.3%	996	997	1	0.1%
60.5%	994	995	1	0.1%
61.7%	993	995	2	0.2%
63.0%	991	992	1	0.1%
64.2%	990	992	1	0.1%
65.4%	990	990	1	0.1%
66.7%	988	989	1	0.1%
67.9%	988	986	-2	-0.2%
69.1%	987	983	-4	-0.4%
70.4%	983	983	-1	-0.1%
71.6%	980	977	-3	-0.3%
72.8%	978	975	-4	-0.4%
74.1%	977	974	-3	-0.3%
75.3%	977	973	-4	-0.4%
76.5%	968	972	3	0.3%
77.8%	965	970	4	0.5%
79.0%	963	968	6	0.6%
80.2%	961	968	6	0.7%
81.5%	960	964	4	0.5%
82.7%	954	963	8	0.9%
84.0%	953	959	7	0.7%
85.2%	949	958	9	0.9%
86.4%	948	957	9	1.0%
87.7%	946	956	10	1.1%
88.9%	941	946	5	0.5%
90.1%	922	941	19	2.1%
91.4%	915	939	23	2.5%
92.6%	913	938	26	2.8%
93.8%	908	934	26	2.8%
95.1%	905	925	19	2.1%
96.3%	897	923	26	2.9%
97.5%	846	888	42	5.0%
98.8%	845	888	43	5.1%
100.0%	834	834	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,036	1,036	0	0.0%
1.2%	1,036	1,034	-2	-0.2%
2.5%	1,032	1,024	-8	-0.7%
3.7%	1,031	1,023	-8	-0.8%
4.9%	1,024	1,022	-2	-0.2%
6.2%	1,023	1,021	-2	-0.2%
7.4%	1,022	1,020	-1	-0.1%
8.6%	1,018	1,020	1	0.1%
9.9%	1,017	1,019	2	0.2%
11.1%	1,015	1,017	2	0.2%
12.3%	1,014	1,015	1	0.1%
13.6%	1,014	1,015	1	0.1%
14.8%	1,013	1,013	0	0.0%
16.0%	1,013	1,012	0	0.0%
17.3%	1,011	1,011	1	0.1%
18.5%	1,010	1,010	0	0.0%
19.8%	1,008	1,009	1	0.1%
21.0%	1,007	1,008	0	0.0%
22.2%	1,007	1,007	0	0.0%
23.5%	1,007	1,005	-2	-0.2%
24.7%	1,006	1,004	-2	-0.2%
25.9%	1,005	1,004	-1	-0.1%
27.2%	1,005	1,004	-1	-0.1%
28.4%	1,004	1,004	0	0.0%
29.6%	1,004	1,003	0	0.0%
30.9%	1,003	1,003	-1	-0.1%
32.1%	1,002	1,003	0	0.0%
33.3%	1,002	1,003	1	0.1%
34.6%	999	1,002	3	0.3%
35.8%	998	1,001	3	0.3%
37.0%	998	1,000	2	0.2%
38.3%	996	1,000	4	0.4%
39.5%	995	999	4	0.4%
40.7%	995	998	4	0.4%
42.0%	994	997	3	0.3%
43.2%	993	996	3	0.3%
44.4%	993	995	2	0.2%
45.7%	993	994	1	0.1%
46.9%	992	993	2	0.2%
48.1%	991	992	1	0.1%
49.4%	990	992	2	0.2%
50.6%	990	991	1	0.1%
51.9%	988	991	3	0.3%
53.1%	988	991	3	0.3%
54.3%	987	989	2	0.2%
55.6%	984	989	4	0.5%
56.8%	984	986	2	0.2%
58.0%	983	985	2	0.2%
59.3%	982	984	2	0.2%
60.5%	981	984	2	0.2%
61.7%	980	983	3	0.3%
63.0%	977	982	5	0.6%
64.2%	975	979	4	0.4%
65.4%	975	978	3	0.3%
66.7%	973	977	3	0.3%
67.9%	972	971	-1	-0.1%
69.1%	968	969	1	0.1%
70.4%	964	964	0	0.0%
71.6%	963	964	1	0.1%
72.8%	963	964	1	0.1%
74.1%	961	961	-1	-0.1%
75.3%	961	958	-3	-0.3%
76.5%	953	956	3	0.3%
77.8%	950	956	5	0.5%
79.0%	950	955	5	0.6%
80.2%	946	955	9	1.0%
81.5%	945	951	7	0.7%
82.7%	941	949	8	0.9%
84.0%	939	946	7	0.7%
85.2%	936	946	10	1.0%
86.4%	933	944	11	1.2%
87.7%	925	938	13	1.4%
88.9%	918	932	15	1.6%
90.1%	885	919	34	3.9%
91.4%	879	918	39	4.4%
92.6%	874	908	34	3.9%
93.8%	862	907	45	5.3%
95.1%	858	904	46	5.3%
96.3%	856	901	45	5.3%
97.5%	841	867	26	3.1%
98.8%	834	850	16	1.9%
100.0%	834	834	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	1,018	1,018	0	0.0%
1.2%	1,016	1,016	0	0.0%
2.5%	1,015	1,016	1	0.1%
3.7%	1,015	1,015	0	0.0%
4.9%	1,014	1,014	-1	-0.1%
6.2%	1,014	1,013	-1	-0.1%
7.4%	1,014	1,007	-6	-0.6%
8.6%	1,006	1,007	1	0.1%
9.9%	1,005	1,007	1	0.1%
11.1%	1,002	1,005	3	0.3%
12.3%	1,002	1,003	2	0.2%
13.6%	1,000	1,003	2	0.2%
14.8%	1,000	1,003	2	0.2%
16.0%	998	1,002	4	0.4%
17.3%	998	1,000	2	0.2%
18.5%	998	999	2	0.2%
19.8%	997	999	2	0.2%
21.0%	997	998	1	0.1%
22.2%	996	998	1	0.1%
23.5%	994	997	3	0.3%
24.7%	994	996	3	0.3%
25.9%	994	996	3	0.3%
27.2%	993	995	2	0.2%
28.4%	990	994	4	0.4%
29.6%	989	994	5	0.5%
30.9%	989	993	4	0.4%
32.1%	989	990	1	0.1%
33.3%	988	989	1	0.1%
34.6%	988	988	0	0.0%
35.8%	987	988	0	0.0%
37.0%	987	987	0	0.0%
38.3%	987	987	0	0.0%
39.5%	986	986	0	0.0%
40.7%	985	986	1	0.1%
42.0%	983	985	3	0.3%
43.2%	983	984	1	0.1%
44.4%	983	984	1	0.1%
45.7%	982	983	0	0.0%
46.9%	982	982	0	0.0%
48.1%	982	982	0	0.0%
49.4%	982	981	0	0.0%
50.6%	980	980	0	0.0%
51.9%	979	980	1	0.1%
53.1%	978	979	2	0.2%
54.3%	976	979	3	0.3%
55.6%	976	979	3	0.3%
56.8%	975	978	3	0.4%
58.0%	973	977	4	0.4%
59.3%	972	976	4	0.4%
60.5%	971	976	5	0.5%
61.7%	970	975	5	0.5%
63.0%	969	972	3	0.3%
64.2%	967	969	2	0.2%
65.4%	966	966	1	0.1%
66.7%	965	964	-1	-0.1%
67.9%	965	963	-1	-0.1%
69.1%	963	963	0	0.0%
70.4%	963	959	-3	-0.3%
71.6%	958	959	2	0.2%
72.8%	957	957	-1	-0.1%
74.1%	956	957	0	0.0%
75.3%	954	950	-4	-0.4%
76.5%	951	950	-2	-0.2%
77.8%	949	950	1	0.1%
79.0%	947	948	1	0.1%
80.2%	946	947	1	0.1%
81.5%	943	946	3	0.4%
82.7%	942	944	2	0.2%
84.0%	939	943	4	0.4%
85.2%	938	940	2	0.2%
86.4%	933	939	7	0.7%
87.7%	932	933	2	0.2%
88.9%	910	932	22	2.4%
90.1%	880	913	33	3.7%
91.4%	870	911	41	4.7%
92.6%	865	901	36	4.2%
93.8%	862	897	35	4.0%
95.1%	859	896	37	4.3%
96.3%	850	895	45	5.3%
97.5%	846	862	15	1.8%
98.8%	836	857	21	2.5%
100.0%	834	838	4	0.5%

Figure SW-09-b
Shasta Lake, End of Month Area
Probability of Exceedance

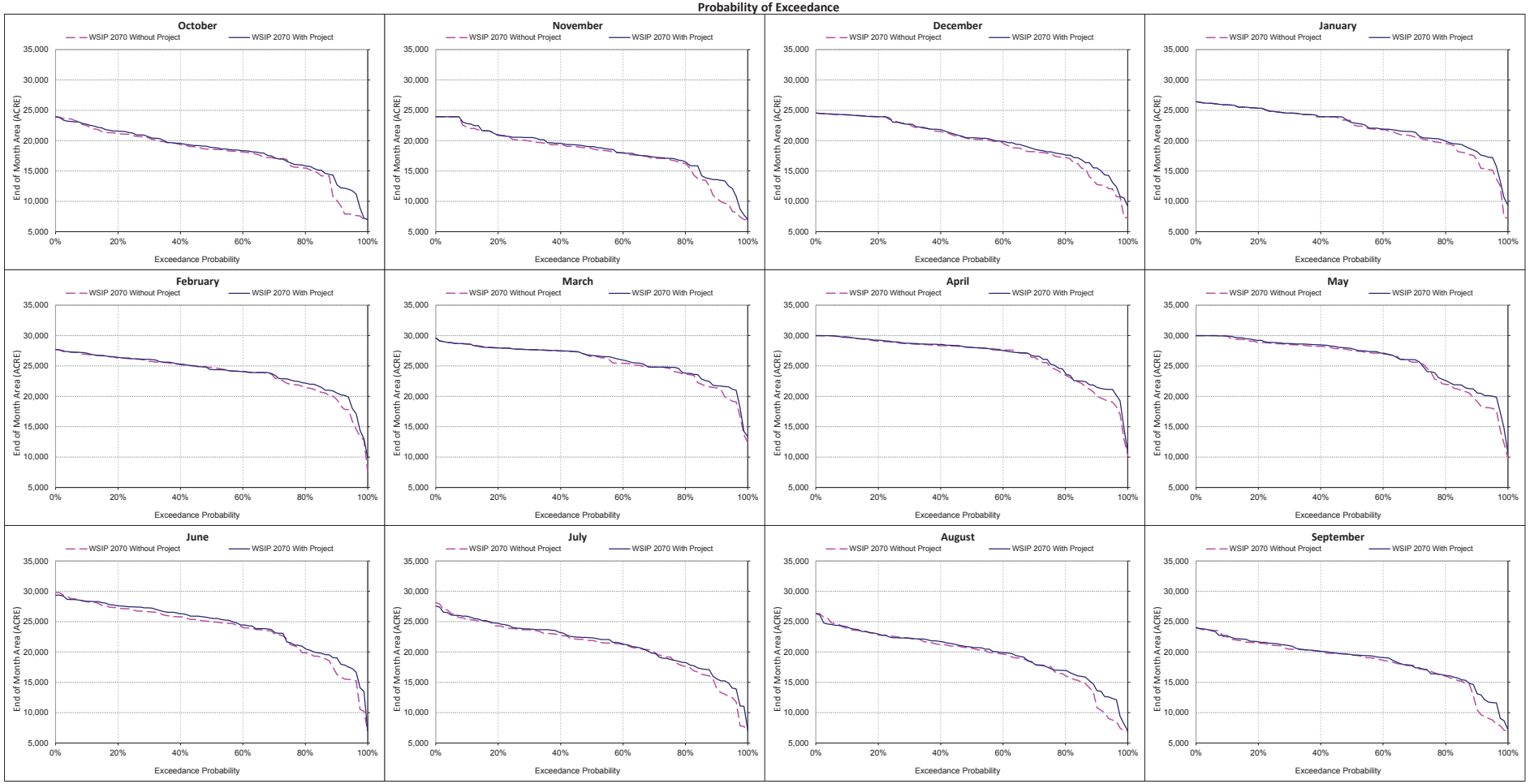


Table SW-09-b

Shasta Lake, End of Month Area

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,927	23,927	0	0.0%
1.2%	23,870	23,821	-49	-0.2%
2.5%	23,659	23,392	-268	-1.1%
3.7%	23,608	23,222	-386	-1.6%
4.9%	23,573	23,193	-380	-1.6%
6.2%	23,324	23,095	-229	-1.0%
7.4%	23,144	23,066	-78	-0.3%
8.6%	22,657	22,810	153	0.7%
9.9%	22,496	22,710	214	1.0%
11.1%	22,191	22,522	331	1.5%
12.3%	21,935	22,396	461	2.1%
13.6%	21,825	22,197	372	1.7%
14.8%	21,466	22,104	638	3.0%
16.0%	21,354	21,814	460	2.2%
17.3%	21,315	21,735	420	2.0%
18.5%	21,283	21,601	319	1.5%
19.8%	21,185	21,599	414	2.0%
21.0%	21,103	21,553	450	2.1%
22.2%	21,076	21,520	444	2.1%
23.5%	21,037	21,324	287	1.4%
24.7%	20,828	21,240	411	2.0%
25.9%	20,706	20,965	259	1.3%
27.2%	20,651	20,945	294	1.4%
28.4%	20,605	20,919	315	1.5%
29.6%	20,521	20,667	146	0.7%
30.9%	20,203	20,422	219	1.1%
32.1%	20,080	20,393	314	1.6%
33.3%	19,902	20,342	440	2.2%
34.6%	19,833	20,056	224	1.1%
35.8%	19,678	19,701	22	0.1%
37.0%	19,641	19,673	32	0.2%
38.3%	19,600	19,596	-4	0.0%
39.5%	19,397	19,581	184	0.9%
40.7%	19,246	19,478	232	1.2%
42.0%	19,150	19,345	195	1.0%
43.2%	19,023	19,296	273	1.4%
44.4%	18,996	19,189	194	1.0%
45.7%	18,862	19,175	313	1.7%
46.9%	18,722	19,108	385	2.1%
48.1%	18,614	19,098	483	2.6%
49.4%	18,586	18,915	329	1.8%
50.6%	18,559	18,857	298	1.6%
51.9%	18,533	18,821	288	1.6%
53.1%	18,521	18,639	118	0.6%
54.3%	18,440	18,614	174	0.9%
55.6%	18,302	18,559	257	1.4%
56.8%	18,276	18,462	186	1.0%
58.0%	18,200	18,453	254	1.4%
59.3%	18,164	18,357	193	1.1%
60.5%	18,118	18,318	200	1.1%
61.7%	18,019	18,280	261	1.4%
63.0%	17,988	18,184	196	1.1%
64.2%	17,776	18,142	366	2.1%
65.4%	17,604	18,010	406	2.3%
66.7%	17,230	17,945	715	4.1%
67.9%	17,213	17,567	355	2.1%
69.1%	17,194	17,478	283	1.6%
70.4%	17,068	17,152	83	0.5%
71.6%	17,045	16,984	-61	-0.4%
72.8%	17,038	16,982	-57	-0.3%
74.1%	16,902	16,561	-342	-2.0%
75.3%	15,819	16,339	520	3.3%
76.5%	15,637	16,060	423	2.7%
77.8%	15,589	16,027	438	2.8%
79.0%	15,499	16,001	502	3.2%
80.2%	15,487	15,803	316	2.0%
81.5%	15,211	15,772	560	3.7%
82.7%	14,973	15,440	467	3.1%
84.0%	14,704	15,153	448	3.0%
85.2%	14,199	15,144	946	6.7%
86.4%	14,194	14,600	406	2.9%
87.7%	14,169	14,435	266	1.9%
88.9%	10,665	14,326	3,660	34.3%
90.1%	10,122	12,735	2,613	25.8%
91.4%	9,257	12,231	2,974	32.1%
92.6%	7,917	12,155	4,237	53.5%
93.8%	7,915	12,020	4,105	51.9%
95.1%	7,828	11,742	3,914	50.0%
96.3%	7,661	11,173	3,513	45.9%
97.5%	7,590	8,874	1,284	16.9%
98.8%	7,002	7,219	217	3.1%
100.0%	7,002	7,002	0	0.0%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	23,937	23,937	0	0.0%
1.2%	23,937	23,937	0	0.0%
2.5%	23,937	23,937	0	0.0%
3.7%	23,937	23,937	0	0.0%
4.9%	23,937	23,937	0	0.0%
6.2%	23,937	23,937	0	0.0%
7.4%	23,937	23,937	0	0.0%
8.6%	22,566	23,075	508	2.3%
9.9%	22,225	22,829	604	2.7%
11.1%	22,016	22,725	709	3.2%
12.3%	22,007	22,503	496	2.3%
13.6%	21,784	22,487	703	3.2%
14.8%	21,712	21,619	-93	-0.4%
16.0%	21,619	21,610	-8	0.0%
17.3%	21,572	21,586	14	0.1%
18.5%	21,334	21,264	-70	-0.3%
19.8%	21,013	20,902	-111	-0.5%
21.0%	20,858	20,799	-60	-0.3%
22.2%	20,841	20,746	-95	-0.5%
23.5%	20,602	20,706	104	0.5%
24.7%	20,199	20,575	377	1.9%
25.9%	20,133	20,547	415	2.1%
27.2%	20,106	20,544	439	2.2%
28.4%	20,083	20,537	455	2.3%
29.6%	19,963	20,524	561	2.8%
30.9%	19,888	20,502	614	3.1%
32.1%	19,718	20,375	657	3.3%
33.3%	19,697	20,197	499	2.5%
34.6%	19,594	20,158	564	2.9%
35.8%	19,531	19,654	123	0.6%
37.0%	19,338	19,646	307	1.6%
38.3%	19,331	19,595	265	1.4%
39.5%	19,319	19,586	267	1.4%
40.7%	19,288	19,497	209	1.1%
42.0%	19,066	19,374	308	1.6%
43.2%	19,059	19,364	305	1.6%
44.4%	19,058	19,311	253	1.3%
45.7%	18,984	19,296	312	1.6%
46.9%	18,868	19,186	318	1.7%
48.1%	18,819	19,080	261	1.4%
49.4%	18,812	19,020	208	1.1%
50.6%	18,606	18,999	393	2.1%
51.9%	18,468	18,854	385	2.1%
53.1%	18,425	18,807	382	2.1%
54.3%	18,357	18,687	330	1.8%
55.6%	18,293	18,589	297	1.6%
56.8%	18,110	18,565	455	2.5%
58.0%	18,046	18,022	-24	-0.1%
59.3%	18,019	18,014	-5	0.0%
60.5%	17,978	17,960	-18	-0.1%
61.7%	17,711	17,917	206	1.2%
63.0%	17,666	17,913	247	1.4%
64.2%	17,623	17,659	36	0.2%
65.4%	17,595	17,555	-39	-0.2%
66.7%	17,470	17,512	42	0.2%
67.9%	17,349	17,473	124	0.7%
69.1%	17,118	17,367	248	1.5%
70.4%	17,084	17,262	177	1.0%
71.6%	17,072	17,230	158	0.9%
72.8%	17,069	17,200	131	0.8%
74.1%	17,003	17,104	102	0.6%
75.3%	16,820	17,091	272	1.6%
76.5%	16,680	17,014	334	2.0%
77.8%	16,483	16,804	321	2.0%
79.0%	16,301	16,691	390	2.4%
80.2%	16,183	16,434	251	1.6%
81.5%	15,409	15,912	503	3.3%
82.7%	14,285	15,860	1,575	11.0%
84.0%	13,751	15,832	2,081	15.1%
85.2%	13,534	14,230	696	5.1%
86.4%	13,473	13,889	416	3.1%
87.7%	12,501	13,737	1,237	9.9%
88.9%	10,965	13,571	2,606	23.8%
90.1%	10,483	13,563	3,081	29.4%
91.4%	9,942	13,463	3,521	35.4%
92.6%	9,697	13,351	3,654	37.7%
93.8%	9,535	12,513	2,978	31.2%
95.1%	8,334	12,120	3,786	45.4%
96.3%	8,123	10,785	2,662	32.8%
97.5%	7,422	8,724	1,302	17.5%
98.8%	7,002	7,752	750	10.7%
100.0%	7,002	7,002	0	0.0%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	24,555	24,555	0	0.0%
1.2%	24,482	24,482	0	0.0%
2.5%	24,455	24,455	0	0.0%
3.7%	24,455	24,397	-59	-0.2%
4.9%	24,397	24,389	-8	0.0%
6.2%	24,343	24,343	0	0.0%
7.4%	24,311	24,311	0	0.0%
8.6%	24,295	24,284	-11	0.0%
9.9%	24,284	24,247	-37	-0.2%
11.1%	24,247	24,226	-21	-0.1%
12.3%	24,226	24,147	-79	-0.3%
13.6%	24,147	24,114	-34	-0.1%
14.8%	24,114	24,065	-48	-0.2%
16.0%	24,065	24,017	-48	-0.2%
17.3%	24,017	24,007	-11	0.0%
18.5%	24,007	23,938	-69	-0.3%
19.8%	23,938	23,937	-1	0.0%
21.0%	23,937	23,937	0	0.0%
22.2%	23,937	23,931	-6	0.0%
23.5%	23,514	23,758	244	1.0%
24.7%	23,496	23,064	-432	-1.8%
25.9%	23,119	23,038	-80	-0.3%
27.2%	22,885	22,960	75	0.3%
28.4%	22,863	22,735	-128	-0.6%
29.6%	22,846	22,716	-130	-0.6%
30.9%	22,359	22,710	351	1.6%
32.1%	22,172	22,306	135	0.6%
33.3%	22,168	22,247	79	0.4%
34.6%	22,075	22,184	109	0.5%
35.8%	22,020	21,980	-40	-0.2%
37.0%	21,805	21,896	92	0.4%
38.3%	21,577	21,894	317	1.5%
39.5%	21,527	21,852	325	1.5%
40.7%	21,394	21,705	310	1.4%
42.0%	21,313	21,477	163	0.8%
43.2%	21,061	21,242	182	0.9%
44.4%	20,821	21,089	268	1.3%
45.7%	20,714	20,874	160	0.8%
46.9%	20,642	20,727	85	0.4%
48.1%	20,424	20,469	45	0.2%
49.4%	20,272	20,462	189	0.9%
50.6%	20,237	20,456	219	1.1%
51.9%	20,188	20,426	238	1.2%
53.1%	20,166	20,407	241	1.2%
54.3%	20,134	20,381	247	1.2%
55.6%	20,079	20,301	223	1.1%
56.8%	19,913	20,111	199	1.0%
58.0%	19,862	19,977	115	0.6%
59.3%	19,812	19,934	122	0.6%
60.5%	19,415	19,844	429	2.2%
61.7%	19,157	19,670	513	2.7%
63.0%	18,824	19,652	828	4.4%
64.2%	18,798	19,410	612	3.3%
65.4%	18,773	19,365	592	3.2%
66.7%	18,427	19,134	708	3.8%
67.9%	18,210	18,974	764	4.2%
69.1%	18,201	18,767	567	3.1%
70.4%	18,185	18,559	374	2.1%
71.6%	18,055	18,411	356	2.0%
72.8%	18,045	18,324	280	1.5%
74.1%	17,909	18,180	272	1.5%
75.3%	17,893	18,150	257	1.4%
76.5%	17,441	18,006	565	3.2%
77.8%	17,339	17,877	537	3.1%
79.0%	17,221	17,783	562	3.3%
80.2%	17,216	17,605	389	2.3%
81.5%	17,011	17,605	594	3.5%
82.7%	16,306	17,240	934	5.7%
84.0%	16,252	17,170	918	5.6%
85.2%	15,451	16,858	1,407	9.1%
86.4%	15,374	16,386	1,011	6.6%
87.7%	14,080	16,366	2,286	16.2%
88.9%	13,503	15,517	2,014	14.9%
90.1%	12,767	15,492	2,725	21.3%
91.4%	12,689	15,023	2,333	18.4%
92.6%	12,609	14,373	1,763	14.0%
93.8%	12,083	14,280	2,197	18.2%
95.1%	12,057	13,107	1,050	8.7%
96.3%	10,822	12,404	1,582	14.6%
97.5%	10,678	10,809	132	1.2%
98.8%	7,362	10,524	3,162	43.0%
100.0%	7,268	9,159	1,891	26.0%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,441	26,441	0	0.0%
1.2%	26,320	26,320	0	0.0%
2.5%	26,215	26,215	0	0.0%
3.7%	26,160	26,160	0	0.0%
4.9%	26,155	26,160	5	0.0%
6.2%	26,063	26,063	0	0.0%
7.4%	26,011	26,011	0	0.0%
8.6%	25,925	25,925	0	0.0%
9.9%	25,914	25,914	0	0.0%
11.1%	25,882	25,882	0	0.0%
12.3%	25,818	25,818	0	0.0%
13.6%	25,540	25,540	0	0.0%
14.8%	25,540	25,540	0	0.0%
16.0%	25,535	25,535	0	0.0%
17.3%	25,428	25,428	0	0.0%
18.5%	25,412	25,412	0	0.0%
19.8%	25,343	25,343	0	0.0%
21.0%	25,342	25,342	0	0.0%
22.2%	25,083	25,162	79	0.3%
23.5%	24,828	24,867	40	0.2%
24.7%	24,811	24,828	17	0.1%
25.9%	24,769	24,717	-52	-0.2%
27.2%	24,669	24,669	0	0.0%
28.4%	24,573	24,573	0	0.0%
29.6%	24,557	24,557	0	0.0%
30.9%	24,546	24,546	0	0.0%
32.1%	24,504	24,504	0	0.0%
33.3%	24,399	24,399	0	0.0%
34.6%	24,342	24,306	-36	-0.1%
35.8%	24,306	24,306	0	0.0%
37.0%	24,284	24,284	0	0.0%
38.3%	23,938	24,254	316	1.3%
39.5%	23,938	23,938	0	0.0%
40.7%	23,937	23,938	1	0.0%
42.0%	23,937	23,937	0	0.0%
43.2%	23,937	23,937	0	0.0%
44.4%	23,937	23,937	0	0.0%
45.7%	23,737	23,929	192	0.8%
46.9%	23,407	23,905	498	2.1%
48.1%	23,387	23,478	91	0.4%
49.4%	23,361	23,073	-288	-1.2%
50.6%	22,569	22,907	338	1.5%
51.9%	22,394	22,812	419	1.9%
53.1%	22,389	22,737	348	1.6%
54.3%	22,155	22,526	371	1.7%
55.6%	21,992	22,078	86	0.4%
56.8%	21,928	22,074	146	0.7%
58.0%	21,893	22,050	157	0.7%
59.3%	21,825	21,922	98	0.4%
60.5%	21,817	21,906	89	0.4%
61.7%	21,612	21,870	258	1.2%
63.0%	21,544	21,823	279	1.3%
64.2%	21,214	21,729	515	2.4%
65.4%	21,018	21,584	566	2.7%
66.7%	20,921	21,542	622	3.0%
67.9%	20,906	21,517	611	2.9%
69.1%	20,774	21,495	721	3.5%
70.4%	20,570	21,363	793	3.9%
71.6%	20,516	20,753	237	1.2%
72.8%	20,215	20,455	241	1.2%
74.1%	20,108	20,439	331	1.6%
75.3%	20,027	20,385	358	1.8%
76.5%	19,784	20,351	568	2.9%
77.8%	19,732	20,323	592	3.0%
79.0%	19,632	20,141	509	2.6%
80.2%	19,516	19,878	363	1.9%
81.5%	19,414	19,625	211	1.1%
82.7%	19,189	19,512	322	1.7%
84.0%	18,196	19,460	1,264	6.9%
85.2%	18,079	19,384	1,304	7.2%
86.4%	17,966	19,036	1,070	6.0%
87.7%	17,695	18,742	1,047	5.9%
88.9%	17,573	18,463	890	5.1%
90.1%	16,896	18,181	1,285	7.6%
91.4%	15,437	17,587	2,150	13.9%
92.6%	15,418	17,474	2,056	13.3%
93.8%	15,217	17,278	2,061	13.5%
95.1%	15,123	17,212	2,089	13.8%
96.3%	13,684	15,704	2,020	14.8%
97.5%	12,556	13,288	732	5.8%
98.8%	7,428	10,647	3,219	43.3%
100.0%	7,193	9,336	2,143	29.8%

Table SW-09-b

Shasta Lake, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	27,726	27,726	0	0.0%
1.2%	27,653	27,653	0	0.0%
2.5%	27,540	27,391	-149	-0.5%
3.7%	27,391	27,367	-24	-0.1%
4.9%	27,288	27,288	0	0.0%
6.2%	27,276	27,276	0	0.0%
7.4%	27,262	27,262	0	0.0%
8.6%	26,944	27,204	260	1.0%
9.9%	26,922	27,132	210	0.8%
11.1%	26,829	26,944	115	0.4%
12.3%	26,748	26,829	81	0.3%
13.6%	26,725	26,748	22	0.1%
14.8%	26,675	26,725	51	0.2%
16.0%	26,665	26,675	10	0.0%
17.3%	26,527	26,527	0	0.0%
18.5%	26,512	26,512	0	0.0%
19.8%	26,303	26,447	144	0.5%
21.0%	26,298	26,357	59	0.2%
22.2%	26,266	26,303	37	0.1%
23.5%	26,197	26,298	102	0.4%
24.7%	26,173	26,197	24	0.1%
25.9%	26,122	26,173	51	0.2%
27.2%	26,085	26,122	37	0.1%
28.4%	25,989	26,090	101	0.4%
29.6%	25,756	26,085	329	1.3%
30.9%	25,732	26,074	342	1.3%
32.1%	25,634	25,989	355	1.4%
33.3%	25,620	25,732	112	0.4%
34.6%	25,583	25,634	51	0.2%
35.8%	25,546	25,620	74	0.3%
37.0%	25,422	25,583	160	0.6%
38.3%	25,348	25,422	75	0.3%
39.5%	25,279	25,348	69	0.3%
40.7%	25,157	25,279	122	0.5%
42.0%	25,155	25,155	0	0.0%
43.2%	25,059	25,059	0	0.0%
44.4%	25,018	25,031	13	0.1%
45.7%	24,893	24,893	0	0.0%
46.9%	24,851	24,851	0	0.0%
48.1%	24,843	24,840	-3	0.0%
49.4%	24,753	24,436	-317	-1.3%
50.6%	24,710	24,378	-332	-1.3%
51.9%	24,626	24,370	-256	-1.0%
53.1%	24,500	24,370	-130	-0.5%
54.3%	24,407	24,366	-41	-0.2%
55.6%	24,194	24,203	9	0.0%
56.8%	24,183	24,151	-32	-0.1%
58.0%	24,151	24,130	-21	-0.1%
59.3%	24,130	24,095	-35	-0.1%
60.5%	24,095	24,049	-46	-0.2%
61.7%	23,938	24,013	76	0.3%
63.0%	23,937	23,938	1	0.0%
64.2%	23,937	23,937	0	0.0%
65.4%	23,937	23,937	0	0.0%
66.7%	23,937	23,937	0	0.0%
67.9%	23,755	23,937	183	0.8%
69.1%	23,669	23,725	57	0.2%
70.4%	22,950	23,440	489	2.1%
71.6%	22,807	22,950	143	0.6%
72.8%	22,549	22,908	359	1.6%
74.1%	22,147	22,897	750	3.4%
75.3%	21,995	22,665	671	3.0%
76.5%	21,908	22,519	611	2.8%
77.8%	21,880	22,441	560	2.6%
79.0%	21,650	22,261	611	2.8%
80.2%	21,387	22,161	774	3.6%
81.5%	21,352	21,987	636	3.0%
82.7%	21,162	21,978	816	3.9%
84.0%	20,828	21,747	920	4.4%
85.2%	20,670	21,464	794	3.8%
86.4%	20,554	20,997	443	2.2%
87.7%	20,087	20,997	910	4.5%
88.9%	20,004	20,875	871	4.4%
90.1%	19,470	20,524	1,054	5.4%
91.4%	18,423	20,220	1,797	9.8%
92.6%	17,827	20,139	2,312	13.0%
93.8%	17,811	19,906	2,095	11.8%
95.1%	15,915	18,030	2,115	13.3%
96.3%	14,573	17,128	2,556	17.5%
97.5%	13,407	14,366	959	7.2%
98.8%	12,772	13,012	240	1.9%
100.0%	7,620	9,901	2,281	29.9%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,614	29,614	0	0.0%
1.2%	29,120	29,120	0	0.0%
2.5%	29,018	29,018	0	0.0%
3.7%	28,884	28,884	0	0.0%
4.9%	28,833	28,833	0	0.0%
6.2%	28,730	28,730	0	0.0%
7.4%	28,695	28,695	0	0.0%
8.6%	28,687	28,687	0	0.0%
9.9%	28,614	28,614	0	0.0%
11.1%	28,601	28,601	0	0.0%
12.3%	28,397	28,326	-70	-0.2%
13.6%	28,326	28,241	-86	-0.3%
14.8%	28,241	28,122	-119	-0.4%
16.0%	28,122	28,086	-36	-0.1%
17.3%	28,086	28,043	-43	-0.2%
18.5%	28,060	27,978	-82	-0.3%
19.8%	27,978	27,960	-18	-0.1%
21.0%	27,960	27,959	-1	0.0%
22.2%	27,959	27,940	-19	-0.1%
23.5%	27,936	27,936	0	0.0%
24.7%	27,889	27,800	-90	-0.3%
25.9%	27,773	27,773	0	0.0%
27.2%	27,760	27,760	0	0.0%
28.4%	27,726	27,726	0	0.0%
29.6%	27,713	27,700	-12	0.0%
30.9%	27,674	27,676	3	0.0%
32.1%	27,631	27,674	42	0.2%
33.3%	27,631	27,631	0	0.0%
34.6%	27,592	27,631	40	0.1%
35.8%	27,546	27,592	46	0.2%
37.0%	27,541	27,546	4	0.0%
38.3%	27,527	27,541	15	0.1%
39.5%	27,481	27,527	45	0.2%
40.7%	27,468	27,481	13	0.0%
42.0%	27,430	27,458	29	0.1%
43.2%	27,374	27,430	56	0.2%
44.4%	27,359	27,374	15	0.1%
45.7%	27,316	27,335	19	0.1%
46.9%	27,086	27,086	0	0.0%
48.1%	26,854	26,854	0	0.0%
49.4%	26,584	26,768	183	0.7%
50.6%	26,538	26,718	180	0.7%
51.9%	26,525	26,635	110	0.4%
53.1%	26,330	26,584	254	1.0%
54.3%	26,330	26,538	208	0.8%
55.6%	26,047	26,530	483	1.9%
56.8%	25,495	26,363	868	3.4%
58.0%	25,464	26,174	710	2.8%
59.3%	25,447	26,049	602	2.4%
60.5%	25,444	25,940	497	2.0%
61.7%	25,371	25,736	365	1.4%
63.0%	25,283	25,541	258	1.0%
64.2%	25,140	25,508	368	1.5%
65.4%	25,082	25,444	362	1.4%
66.7%	24,915	25,283	368	1.5%
67.9%	24,819	24,915	96	0.4%
69.1%	24,816	24,819	3	0.0%
70.4%	24,813	24,816	3	0.0%
71.6%	24,813	24,813	0	0.0%
72.8%	24,813	24,813	0	0.0%
74.1%	24,650	24,813	163	0.7%
75.3%	24,565	24,789	224	0.9%
76.5%	24,044	24,764	720	3.0%
77.8%	23,960	24,591	631	2.6%
79.0%	23,717	23,910	193	0.8%
80.2%	23,630	23,806	176	0.7%
81.5%	23,557	23,800	243	1.0%
82.7%	23,460	23,632	172	0.7%
84.0%	22,217	23,585	1,368	6.2%
85.2%	21,988	22,851	863	3.9%
86.4%	21,675	22,606	931	4.3%
87.7%	21,579	22,466	886	4.1%
88.9%	21,460	21,817	357	1.7%
90.1%	21,381	21,749	368	1.7%
91.4%	21,143	21,671	528	2.5%
92.6%	19,927	21,587	1,660	8.3%
93.8%	19,601	21,583	1,982	10.1%
95.1%	19,182	21,185	2,002	10.4%
96.3%	19,072	21,010	1,938	10.2%
97.5%	16,624	18,115	1,492	9.0%
98.8%	13,660	14,223	563	4.1%
100.0%	12,349	13,346	997	8.1%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	30,000	30,000	0	0.0%
1.2%	30,000	30,000	0	0.0%
2.5%	29,974	30,000	26	0.1%
3.7%	29,972	30,000	28	0.1%
4.9%	29,965	29,974	9	0.0%
6.2%	29,905	29,946	41	0.1%
7.4%	29,869	29,850	-19	-0.1%
8.6%	29,831	29,738	-93	-0.3%
9.9%	29,827	29,686	-140	-0.5%
11.1%	29,686	29,675	-11	0.0%
12.3%	29,588	29,588	0	0.0%
13.6%	29,501	29,482	-19	-0.1%
14.8%	29,419	29,475	56	0.2%
16.0%	29,400	29,453	53	0.2%
17.3%	29,278	29,382	104	0.4%
18.5%	29,178	29,278	101	0.3%
19.8%	29,104	29,255	151	0.5%
21.0%	29,072	29,222	150	0.5%
22.2%	29,001	29,136	135	0.5%
23.5%	28,992	29,104	112	0.4%
24.7%	28,896	28,966	70	0.2%
25.9%	28,871	28,952	81	0.3%
27.2%	28,721	28,871	150	0.5%
28.4%	28,711	28,766	56	0.2%
29.6%	28,691	28,748	57	0.2%
30.9%	28,638	28,721	83	0.3%
32.1%	28,567	28,697	130	0.5%
33.3%	28,561	28,627	66	0.2%
34.6%	28,550	28,615	65	0.2%
35.8%	28,514	28,590	77	0.3%
37.0%	28,448	28,567	119	0.4%
38.3%	28,374	28,561	188	0.7%
39.5%	28,358	28,532	174	0.6%
40.7%	28,346	28,521	175	0.6%
42.0%	28,312	28,421	109	0.4%
43.2%	28,311	28,393	82	0.3%
44.4%	28,309	28,378	69	0.2%
45.7%	28,219	28,374	154	0.5%
46.9%	28,150	28,219	69	0.2%
48.1%	28,119	28,101	-19	-0.1%
49.4%	28,112	28,051	-61	-0.2%
50.6%	28,035	28,035	0	0.0%
51.9%	28,021	27,964	-57	-0.2%
53.1%	27,995	27,949	-46	-0.2%
54.3%	27,949	27,880	-69	-0.2%
55.6%	27,880	27,847	-33	-0.1%
56.8%	27,847	27,662	-185	-0.7%
58.0%	27,753	27,645	-109	-0.4%
59.3%	27,732	27,588	-144	-0.5%
60.5%	27,628	27,505	-123	-0.4%
61.7%	27,628	27,392	-236	-0.9%
63.0%	27,623	27,309	-314	-1.1%
64.2%	27,410	27,193	-217	-0.8%
65.4%	27,126	27,184	58	0.2%
66.7%	27,125	27,180	55	0.2%
67.9%	27,050	27,145	95	0.3%
69.1%	26,437	26,759	322	1.2%
70.4%	26,382	26,598	216	0.8%
71.6%	25,814	26,566	751	2.9%
72.8%	25,569	26,105	535	2.1%
74.1%	25,550	26,079	529	2.1%
75.3%	24,755	25,274	519	2.1%
76.5%	24,499	25,124	625	2.6%
77.8%	24,207	24,645	438	1.8%
79.0%	23,722	24,513	791	3.3%
80.2%	23,425	23,637	212	0.9%
81.5%	23,094	23,454	359	1.6%
82.7%	22,675	22,586	-90	-0.4%
84.0%	22,403	22,562	159	0.7%
85.2%	22,118	22,486	368	1.7%
86.4%	21,582	22,439	856	4.0%
87.7%	21,192	21,924	733	3.5%
88.9%	20,760	21,861	1,100	5.3%
90.1%	19,968	21,464	1,496	7.5%
91.4%	19,741	21,304	1,564	7.9%
92.6%	19,428	21,171	1,744	9.0%
93.8%	19,222	21,148	1,926	10.0%
95.1%	19,074	21,146	2,072	10.9%
96.3%	18,312	20,142	1,829	10.0%
97.5%	17,024	19,259	2,235	13.1%
98.8%	12,878	14,747	1,869	14.5%
100.0%	10,286	10,724	438	4.3%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	30,000	30,000	0	0.0%
1.2%	30,000	30,000	0	0.0%
2.5%	30,000	30,000	0	0.0%
3.7%	30,000	30,000	0	0.0%
4.9%	30,000	30,000	0	0.0%
6.2%	30,000	30,000	0	0.0%
7.4%	30,000	29,967	-32	-0.1%
8.6%	30,000	29,961	-39	-0.1%
9.9%	30,000	29,906	-93	-0.3%
11.1%	29,562	29,896	334	1.1%
12.3%	29,422	29,748	326	1.1%
13.6%	29,375	29,657	282	1.0%
14.8%	29,356	29,647	291	1.0%
16.0%	29,350	29,500	150	0.5%
17.3%	29,092	29,423	331	1.1%
18.5%	29,088	29,301	213	0.7%
19.8%	28,913	29,236	323	1.1%
21.0%	28,864	29,215	351	1.2%
22.2%	28,847	28,969	122	0.4%
23.5%	28,793	28,872	78	0.3%
24.7%	28,689	28,869	180	0.6%
25.9%	28,661	28,839	179	0.6%
27.2%	28,660	28,810	150	0.5%
28.4%	28,613	28,706	93	0.3%
29.6%	28,578	28,699	121	0.4%
30.9%	28,502	28,684	182	0.6%
32.1%	28,502	28,633	131	0.5%
33.3%	28,442	28,616	174	0.6%
34.6%	28,423	28,605	182	0.6%
35.8%	28,319	28,572	254	0.9%
37.0%	28,276	28,538	262	0.9%
38.3%	28,247	28,493	246	0.9%
39.5%	28,242	28,476	234	0.8%
40.7%	28,232	28,464	232	0.8%
42.0%	28,072	28,407	335	1.2%
43.2%	28,054	28,300	246	0.9%
44.4%	27,870	28,232	362	1.3%
45.7%	27,830	28,049	220	0.8%
46.9%	27,799	28,016	216	0.8%
48.1%	27,786	27,962	176	0.6%
49.4%	27,605	27,953	348	1.3%
50.6%	27,601	27,784	183	0.7%
51.9%	27,432	27,550	119	0.4%
53.1%	27,400	27,527	127	0.5%
54.3%	27,250	27,467	217	0.8%
55.6%	27,194	27,393	199	0.7%
56.8%	27,124	27,390	266	1.0%
58.0%	27,113	27,321	208	0.8%
59.3%	26,986	27,117	132	0.5%
60.5%	26,952	27,096	144	0.5%
61.7%	26,931	26,860	-71	-0.3%
63.0%	26,733	26,766	33	0.1%
64.2%	26,711	26,426	-285	-1.1%
65.4%	26,107	26,087	-20	-0.1%
66.7%	26,089	26,074	-14	-0.1%
67.9%	25,902	26,055	153	0.6%
69.1%	25,653	26,051	398	1.6%
70.4%	25,616	25,998	382	1.5%
71.6%	25,512	25,657	145	0.6%
72.8%	25,289	24,898	-391	-1.5%
74.1%	24,635	24,077	-558	-2.3%
75.3%	23,981	24,026	44	0.2%
76.5%	22,838	23,891	1,053	4.6%
77.8%	22,587	23,082	495	2.2%
79.0%	22,055	22,804	750	3.4%
80.2%	21,950	22,546	596	2.7%
81.5%	21,945	22,191	246	1.1%
82.7%	21,319	21,916	597	2.8%
84.0%	21,194	21,912	718	3.4%
85.2%	20,897	21,848	951	4.5%
86.4%	20,771	21,404	633	3.0%
87.7%	20,522	21,272	750	3.7%
88.9%	19,781	21,215	1,434	7.2%
90.1%	19,158	20,523	1,364	7.1%
91.4%	18,373	20,512	2,139	11.6%
92.6%	18,148	20,110	1,962	10.8%
93.8%	18,133	20,099	1,966	10.8%
95.1%	18,009	20,042	2,033	11.3%
96.3%	17,717	19,831	2,114	11.9%
97.5%	14,488	17,312	2,825	19.5%
98.8%	12,211	14,817	2,605	21.3%
100.0%	9,839	10,680	841	8.5%

Table SW-09-b

Shasta Lake, End of Month Area

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	29,776	29,379	-398	-1.3%
1.2%	29,776	29,354	-422	-1.4%
2.5%	29,363	29,198	-165	-0.6%
3.7%	29,156	28,670	-486	-1.7%
4.9%	28,784	28,661	-124	-0.4%
6.2%	28,755	28,626	-129	-0.4%
7.4%	28,638	28,547	-90	-0.3%
8.6%	28,406	28,492	87	0.3%
9.9%	28,308	28,353	45	0.2%
11.1%	28,198	28,351	153	0.5%
12.3%	28,187	28,323	136	0.5%
13.6%	28,040	28,316	275	1.0%
14.8%	27,686	28,149	463	1.7%
16.0%	27,644	28,035	391	1.4%
17.3%	27,383	27,807	423	1.5%
18.5%	27,350	27,731	382	1.4%
19.8%	27,281	27,615	334	1.2%
21.0%	27,161	27,556	395	1.5%
22.2%	27,125	27,517	392	1.4%
23.5%	27,119	27,464	345	1.3%
24.7%	26,970	27,440	470	1.7%
25.9%	26,755	27,407	651	2.4%
27.2%	26,736	27,391	655	2.4%
28.4%	26,712	27,296	584	2.2%
29.6%	26,641	27,287	646	2.4%
30.9%	26,601	27,224	623	2.3%
32.1%	26,545	27,022	478	1.8%
33.3%	26,406	26,832	427	1.6%
34.6%	26,101	26,698	597	2.3%
35.8%	25,992	26,565	573	2.2%
37.0%	25,896	26,559	663	2.6%
38.3%	25,823	26,515	693	2.7%
39.5%	25,794	26,317	523	2.0%
40.7%	25,786	26,281	495	1.9%
42.0%	25,547	26,165	618	2.4%
43.2%	25,372	25,900	529	2.1%
44.4%	25,353	25,899	545	2.1%
45.7%	25,302	25,895	594	2.3%
46.9%	25,154	25,807	653	2.6%
48.1%	25,079	25,747	668	2.7%
49.4%	25,064	25,609	544	2.2%
50.6%	24,951	25,518	568	2.3%
51.9%	24,920	25,518	598	2.4%
53.1%	24,802	25,339	537	2.2%
54.3%	24,742	25,244	502	2.0%
55.6%	24,728	25,241	514	2.1%
56.8%	24,679	24,955	276	1.1%
58.0%	24,398	24,800	403	1.7%
59.3%	24,225	24,450	225	0.9%
60.5%	23,979	24,431	452	1.9%
61.7%	23,951	24,319	368	1.5%
63.0%	23,914	24,258	344	1.4%
64.2%	23,693	23,864	171	0.7%
65.4%	23,659	23,849	190	0.8%
66.7%	23,659	23,849	190	0.8%
67.9%	23,518	23,800	282	1.2%
69.1%	23,451	23,659	208	0.9%
70.4%	22,861	23,146	286	1.2%
71.6%	22,842	23,081	239	1.0%
72.8%	22,658	23,066	408	1.8%
74.1%	22,146	21,684	-462	-2.1%
75.3%	21,171	21,506	335	1.6%
76.5%	21,001	21,161	159	0.8%
77.8%	20,758	21,094	336	1.6%
79.0%	19,878	20,954	1,077	5.4%
80.2%	19,872	20,456	584	2.9%
81.5%	19,760	20,293	532	2.7%
82.7%	19,322	20,001	679	3.5%
84.0%	19,301	19,862	561	2.9%
85.2%	19,135	19,802	668	3.5%
86.4%	18,849	19,567	717	3.8%
87.7%	18,563	19,526	963	5.2%
88.9%	17,412	19,038	1,626	9.3%
90.1%	16,293	19,023	2,730	16.8%
91.4%	15,838	17,987	2,149	13.6%
92.6%	15,557	17,849	2,292	14.7%
93.8%	15,466	17,503	2,037	13.2%
95.1%	15,433	17,271	1,838	11.9%
96.3%	15,250	16,659	1,409	9.2%
97.5%	10,535	14,082	3,547	33.7%
98.8%	10,246	13,499	3,253	31.7%
100.0%	7,002	7,002	0	0.0%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	28,161	27,577	-583	-2.1%
1.2%	27,888	27,414	-474	-1.7%
2.5%	26,982	26,540	-442	-1.6%
3.7%	26,940	26,520	-420	-1.6%
4.9%	26,320	26,076	-243	-0.9%
6.2%	26,236	26,031	-205	-0.8%
7.4%	25,678	26,017	339	1.3%
8.6%	25,637	25,926	289	1.1%
9.9%	25,322	25,901	579	2.3%
11.1%	25,307	25,755	448	1.8%
12.3%	25,266	25,513	247	1.0%
13.6%	25,117	25,432	316	1.3%
14.8%	25,093	25,191	99	0.4%
16.0%	25,041	25,181	140	0.6%
17.3%	25,036	24,925	-111	-0.4%
18.5%	24,359	24,774	415	1.7%
19.8%	24,284	24,748	464	1.9%
21.0%	24,263	24,565	302	1.2%
22.2%	23,972	24,486	514	2.1%
23.5%	23,886	24,382	496	2.1%
24.7%	23,866	24,028	162	0.7%
25.9%	23,789	23,955	166	0.7%
27.2%	23,659	23,893	233	1.0%
28.4%	23,659	23,815	156	0.7%
29.6%	23,659	23,803	143	0.6%
30.9%	23,590	23,772	182	0.8%
32.1%	23,533	23,659	126	0.5%
33.3%	23,366	23,659	293	1.3%
34.6%	23,069	23,659	590	2.6%
35.8%	23,059	23,659	600	2.6%
37.0%	23,012	23,608	596	2.6%
38.3%	22,958	23,554	597	2.6%
39.5%	22,843	23,254	411	1.8%
40.7%	22,667	23,103	436	1.9%
42.0%	22,635	22,768	133	0.6%
43.2%	22,174	22,574	399	1.8%
44.4%	22,150	22,471	321	1.5%
45.7%	22,090	22,451	362	1.6%
46.9%	22,082	22,401	319	1.4%
48.1%	21,980	22,395	415	1.9%
49.4%	21,896	22,332	436	2.0%
50.6%	21,886	22,305	419	1.9%
51.9%	21,591	22,166	575	2.7%
53.1%	21,558	22,064	505	2.3%
54.3%	21,476	22,040	564	2.6%
55.6%	21,466	22,036	570	2.7%
56.8%	21,430	21,597	167	0.8%
58.0%	21,354	21,577	222	1.0%
59.3%	21,344	21,441	98	0.5%
60.5%	21,085	21,256	170	0.8%
61.7%	20,977	21,172	195	0.9%
63.0%	20,736	20,892	156	0.8%
64.2%	20,651	20,803	152	0.7%
65.4%	20,570	20,669	99	0.5%
66.7%	20,406	20,467	62	0.3%
67.9%	20,399	20,153	-246	-1.2%
69.1%	20,279	19,828	-451	-2.2%
70.4%	19,822	19,760	-63	-0.3%
71.6%	19,482	19,156	-326	-1.7%
72.8%	19,321	18,963	-358	-1.9%
74.1%	19,184	18,918	-266	-1.4%
75.3%	19,163	18,773	-389	-2.0%
76.5%	18,313	18,650	338	1.8%
77.8%	18,008	18,456	448	2.5%
79.0%	17,738	18,308	570	3.2%
80.2%	17,580	18,230	650	3.7%
81.5%	17,396	17,849	453	2.6%
82.7%	16,881	17,729	848	5.0%
84.0%	16,708	17,380	672	4.0%
85.2%	16,329	17,234	906	5.5%
86.4%	16,184	17,126	942	5.8%
87.7%	16,057	17,083	1,026	6.4%
88.9%	15,486	15,975	489	3.2%
90.1%	13,855	15,548	1,693	12.2%
91.4%	13,297	15,259	1,962	14.8%
92.6%	13,066	15,239	2,173	16.6%
93.8%	12,699	14,853	2,155	17.0%
95.1%	12,435	14,069	1,633	13.1%
96.3%	11,737	13,899	2,163	18.4%
97.5%	7,828	11,075	3,247	41.5%
98.8%	7,729	11,071	3,342	43.2%
100.0%	7,002	7,002	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	26,331	26,331	0	0.0%
1.2%	26,331	26,091	-239	-0.9%
2.5%	25,729	24,804	-925	-3.6%
3.7%	25,601	24,628	-973	-3.8%
4.9%	24,813	24,542	-271	-1.1%
6.2%	24,667	24,403	-264	-1.1%
7.4%	24,532	24,362	-170	-0.7%
8.6%	24,116	24,275	159	0.7%
9.9%	23,940	24,143	203	0.8%
11.1%	23,659	23,882	223	0.9%
12.3%	23,590	23,752	162	0.7%
13.6%	23,546	23,659	113	0.5%
14.8%	23,418	23,390	-28	-0.1%
16.0%	23,405	23,343	-61	-0.3%
17.3%	23,158	23,221	63	0.3%
18.5%	23,078	23,138	59	0.3%
19.8%	22,843	22,982	139	0.6%
21.0%	22,747	22,774	27	0.1%
22.2%	22,743	22,762	19	0.1%
23.5%	22,728	22,496	-231	-1.0%
24.7%	22,574	22,354	-220	-1.0%
25.9%	22,518	22,348	-169	-0.8%
27.2%	22,402	22,320	-83	-0.4%
28.4%	22,364	22,310	-54	-0.2%
29.6%	22,312	22,273	-39	-0.2%
30.9%	22,256	22,177	-79	-0.4%
32.1%	22,153	22,166	13	0.1%
33.3%	22,069	22,158	88	0.4%
34.6%	21,712	22,132	420	1.9%
35.8%	21,607	21,997	390	1.8%
37.0%	21,544	21,838	294	1.4%
38.3%	21,335	21,826	491	2.3%
39.5%	21,263	21,757	494	2.3%
40.7%	21,221	21,661	440	2.1%
42.0%	21,166	21,496	331	1.6%
43.2%	20,985	21,401	416	2.0%
44.4%	20,981	21,281	300	1.4%
45.7%	20,974	21,116	142	0.7%
46.9%	20,806	21,041	236	1.1%
48.1%	20,717	20,883	166	0.8%
49.4%	20,623	20,861	238	1.2%
50.6%	20,565	20,738	172	0.8%
51.9%	20,354	20,708	354	1.7%
53.1%	20,317	20,697	380	1.9%
54.3%	20,207	20,477	270	1.3%
55.6%	19,933	20,472	540	2.7%
56.8%	19,888	20,105	217	1.1%
58.0%	19,817	20,055	238	1.2%
59.3%	19,689	19,894	205	1.0%
60.5%	19,621	19,851	230	1.2%
61.7%	19,488	19,808	320	1.6%
63.0%	19,139	19,689	549	2.9%
64.2%	19,012	19,386	374	2.0%
65.4%	19,005	19,276	271	1.4%
66.7%	18,817	19,146	329	1.7%
67.9%	18,646	18,532	-114	-0.6%
69.1%	18,268	18,404	136	0.7%
70.4%	17,861	17,896	35	0.2%
71.6%	17,793	17,872	79	0.4%
72.8%	17,749	17,827	78	0.4%
74.1%	17,591	17,527	-65	-0.4%
75.3%	17,559	17,269	-290	-1.7%
76.5%	16,736	17,018	282	1.7%
77.8%	16,474	16,998	524	3.2%
79.0%	16,431	16,967	536	3.3%
80.2%	16,000	16,963	963	6.0%
81.5%	15,872	16,557	685	4.3%
82.7%	15,459	16,316	857	5.5%
84.0%	15,342	16,043	701	4.6%
85.2%	15,027	15,987	960	6.4%
86.4%	14,790	15,860	1,071	7.2%
87.7%	14,117	15,239	1,122	7.9%
88.9%	13,480	14,734	1,254	9.3%
90.1%	10,820	13,608	2,788	25.8%
91.4%	10,402	13,546	3,144	30.2%
92.6%	9,962	12,636	2,674	26.8%
93.8%	9,037	12,600	3,563	39.4%
95.1%	8,776	12,326	3,550	40.5%
96.3%	8,598	12,121	3,524	41.0%
97.5%	7,442	9,435	1,993	26.8%
98.8%	7,002	8,152	1,150	16.4%
100.0%	7,002	7,002	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	24,061	24,006	-55	-0.2%
1.2%	23,808	23,858	49	0.2%
2.5%	23,659	23,827	168	0.7%
3.7%	23,659	23,659	0	0.0%
4.9%	23,594	23,522	-72	-0.3%
6.2%	23,531	23,394	-137	-0.6%
7.4%	23,520	22,741	-779	-3.3%
8.6%	22,569	22,721	152	0.7%
9.9%	22,521	22,695	174	0.8%
11.1%	22,072	22,424	351	1.6%
12.3%	22,037	22,239	202	0.9%
13.6%	21,897	22,167	270	1.2%
14.8%	21,852	22,158	306	1.4%
16.0%	21,613	22,110	496	2.3%
17.3%	21,582	21,809	227	1.1%
18.5%	21,561	21,751	190	0.9%
19.8%	21,497	21,716	220	1.0%
21.0%	21,418	21,581	163	0.8%
22.2%	21,406	21,577	171	0.8%
23.5%	21,129	21,474	345	1.6%
24.7%	21,100	21,412	312	1.5%
25.9%	21,060	21,381	321	1.5%
27.2%	21,034	21,246	213	1.0%
28.4%	20,673	21,158	484	2.3%
29.6%	20,474	21,090	616	3.0%
30.9%	20,462	20,953	491	2.4%
32.1%	20,459	20,579	121	0.6%
33.3%	20,392	20,458	66	0.3%
34.6%	20,375	20,386	11	0.1%
35.8%	20,301	20,324	22	0.1%
37.0%	20,253	20,283	31	0.2%
38.3%	20,190	20,198	8	0.0%
39.5%	20,149	20,132	-17	-0.1%
40.7%	19,974	20,070	96	0.5%
42.0%	19,792	20,059	267	1.3%
43.2%	19,784	19,904	120	0.6%
44.4%	19,776	19,864	88	0.4%
45.7%	19,728	19,755	27	0.1%
46.9%	19,712	19,720	8	0.0%
48.1%	19,694	19,646	-47	-0.2%
49.4%	19,662	19,616	-46	-0.2%
50.6%	19,464	19,500	36	0.2%
51.9%	19,413	19,494	80	0.4%
53.1%	19,256	19,430	174	0.9%
54.3%	19,074	19,419	345	1.8%
55.6%	19,068	19,382	314	1.6%
56.8%	18,975	19,328	353	1.9%
58.0%	18,820	19,180	360	1.9%
59.3%	18,709	19,119	410	2.2%
60.5%	18,580	19,070	489	2.6%
61.7%	18,462	19,000	538	2.9%
63.0%	18,352	18,680	328	1.8%
64.2%	18,122	18,358	236	1.3%
65.4%	18,017	18,102	86	0.5%
66.7%	17,995	17,892	-103	-0.6%
67.9%	17,915	17,788	-127	-0.7%
69.1%	17,788	17,781	-7	0.0%
70.4%	17,722	17,381	-341	-1.9%
71.6%	17,195	17,372	177	1.0%
72.8%	17,186	17,128	-58	-0.3%
74.1%	17,082	17,094	12	0.1%
75.3%	16,800	16,397	-402	-2.4%
76.5%	16,559	16,387	-172	-1.0%
77.8%	16,276	16,380	104	0.6%
79.0%	16,101	16,239	138	0.9%
80.2%	16,017	16,086	69	0.4%
81.5%	15,710	16,057	346	2.2%
82.7%	15,624	15,860	236	1.5%
84.0%	15,281	15,704	423	2.8%
85.2%	15,175	15,401	226	1.5%
86.4%	14,745	15,339	594	4.0%
87.7%	14,665	14,821	156	1.1%
88.9%	12,812	14,654	1,842	14.4%
90.1%	10,473	13,103	2,630	25.1%
91.4%	9,659	12,927	3,268	33.8%
92.6%	9,328	12,125	2,797	30.0%
93.8%	9,038	11,736	2,698	29.8%
95.1%	8,803	11,672	2,869	32.6%
96.3%	8,094	11,599	3,505	43.3%
97.5%	7,851	9,034	1,183	15.1%
98.8%	7,115	8,677	1,562	22.0%
100.0%	7,002	7,229	227	3.2%

Figure SW-10-b
Sacramento River below Keswick Reservoir, Monthly Flow
Probability of Exceedance

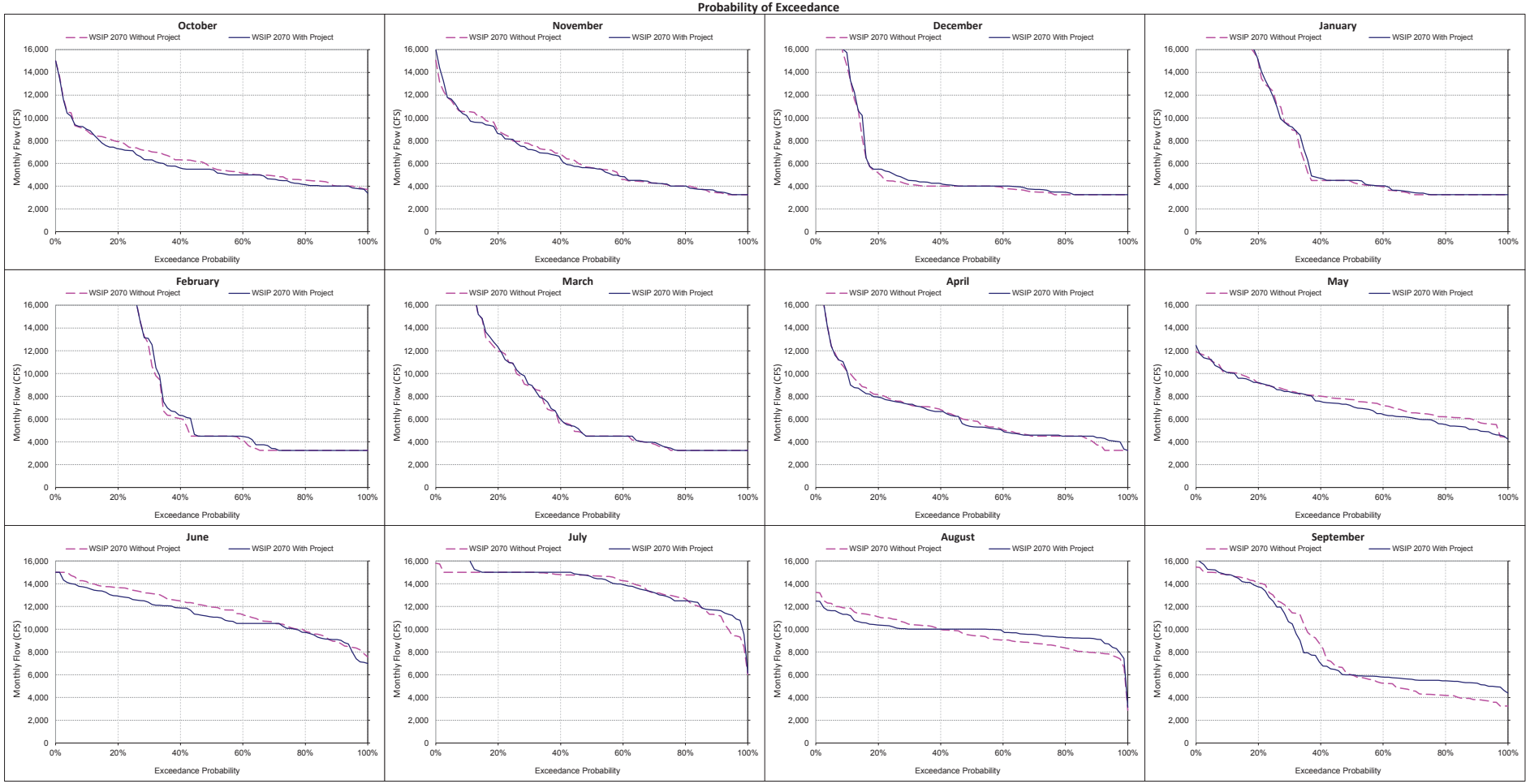


Table SW-10-b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,000	15,000	0	0.0%
1.2%	13,684	13,489	-195	-1.4%
2.5%	11,742	11,583	-159	-1.4%
3.7%	10,506	10,411	-95	-0.9%
4.9%	10,456	10,146	-310	-3.0%
6.2%	9,316	9,397	81	0.9%
7.4%	9,196	9,255	59	0.6%
8.6%	9,089	9,226	137	1.5%
9.9%	8,906	8,996	90	1.0%
11.1%	8,618	8,876	258	3.0%
12.3%	8,493	8,475	-18	-0.2%
13.6%	8,389	8,134	-255	-3.0%
14.8%	8,354	7,788	-566	-6.8%
16.0%	8,259	7,579	-680	-8.2%
17.3%	8,148	7,441	-707	-8.7%
18.5%	8,004	7,433	-571	-7.1%
19.8%	7,925	7,300	-625	-7.9%
21.0%	7,923	7,258	-665	-8.4%
22.2%	7,685	7,162	-522	-6.8%
23.5%	7,426	7,127	-299	-4.0%
24.7%	7,380	7,101	-279	-3.8%
25.9%	7,368	6,759	-609	-8.3%
27.2%	7,220	6,602	-617	-8.6%
28.4%	7,143	6,347	-797	-11.2%
29.6%	7,122	6,322	-800	-11.2%
30.9%	7,015	6,304	-711	-10.1%
32.1%	6,980	6,134	-846	-12.1%
33.3%	6,956	6,035	-921	-13.2%
34.6%	6,796	5,990	-806	-11.9%
35.8%	6,691	5,794	-896	-13.4%
37.0%	6,552	5,763	-789	-12.0%
38.3%	6,320	5,762	-558	-8.8%
39.5%	6,315	5,639	-676	-10.7%
40.7%	6,300	5,530	-770	-12.2%
42.0%	6,299	5,500	-799	-12.7%
43.2%	6,280	5,500	-780	-12.4%
44.4%	6,208	5,500	-708	-11.4%
45.7%	6,150	5,500	-650	-10.6%
46.9%	6,131	5,500	-631	-10.3%
48.1%	5,962	5,500	-462	-7.8%
49.4%	5,724	5,500	-224	-3.9%
50.6%	5,560	5,434	-127	-2.3%
51.9%	5,452	5,157	-295	-5.4%
53.1%	5,396	5,120	-276	-5.1%
54.3%	5,368	5,067	-301	-5.6%
55.6%	5,322	5,000	-322	-6.0%
56.8%	5,290	5,000	-290	-5.5%
58.0%	5,288	5,000	-288	-5.5%
59.3%	5,174	5,000	-174	-3.4%
60.5%	5,123	5,000	-123	-2.4%
61.7%	5,095	5,000	-95	-1.9%
63.0%	5,041	5,000	-41	-0.8%
64.2%	5,002	5,000	-2	0.0%
65.4%	4,991	5,000	9	0.2%
66.7%	4,965	4,898	-67	-1.4%
67.9%	4,963	4,647	-316	-6.4%
69.1%	4,930	4,625	-305	-6.2%
70.4%	4,883	4,593	-290	-5.9%
71.6%	4,823	4,505	-318	-6.6%
72.8%	4,822	4,496	-326	-6.8%
74.1%	4,626	4,482	-145	-3.1%
75.3%	4,613	4,327	-286	-6.2%
76.5%	4,593	4,261	-333	-7.2%
77.8%	4,584	4,240	-345	-7.5%
79.0%	4,537	4,170	-366	-8.1%
80.2%	4,520	4,132	-388	-8.6%
81.5%	4,496	4,064	-432	-9.6%
82.7%	4,464	4,057	-407	-9.1%
84.0%	4,457	4,050	-407	-9.1%
85.2%	4,428	4,015	-412	-9.3%
86.4%	4,389	4,000	-389	-8.9%
87.7%	4,290	4,000	-290	-6.8%
88.9%	4,050	4,000	-50	-1.2%
90.1%	4,000	4,000	0	0.0%
91.4%	4,000	4,000	0	0.0%
92.6%	4,000	4,000	0	0.0%
93.8%	4,000	4,000	0	0.0%
95.1%	4,000	3,839	-161	-4.0%
96.3%	3,934	3,799	-135	-3.4%
97.5%	3,854	3,746	-108	-2.8%
98.8%	3,746	3,736	-10	-0.3%
100.0%	3,713	3,390	-323	-8.7%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,071	15,966	895	5.9%
1.2%	13,123	14,423	1,301	9.9%
2.5%	12,351	13,232	882	7.1%
3.7%	11,789	11,784	-6	0.0%
4.9%	11,529	11,650	120	1.0%
6.2%	11,025	11,244	219	2.0%
7.4%	10,627	10,690	62	0.6%
8.6%	10,559	10,376	-183	-1.7%
9.9%	10,555	10,213	-342	-3.2%
11.1%	10,533	9,713	-821	-7.8%
12.3%	10,479	9,626	-853	-8.1%
13.6%	10,121	9,590	-531	-5.2%
14.8%	10,100	9,571	-530	-5.2%
16.0%	9,772	9,396	-376	-3.9%
17.3%	9,639	9,360	-279	-2.9%
18.5%	9,638	9,252	-386	-4.0%
19.8%	8,921	8,637	-284	-3.2%
21.0%	8,693	8,552	-141	-1.6%
22.2%	8,513	8,159	-353	-4.2%
23.5%	8,356	8,139	-217	-2.6%
24.7%	7,979	8,110	131	1.6%
25.9%	7,935	7,780	-155	-2.0%
27.2%	7,925	7,528	-397	-5.0%
28.4%	7,814	7,487	-327	-4.2%
29.6%	7,770	7,218	-552	-7.1%
30.9%	7,575	7,213	-362	-4.8%
32.1%	7,569	7,117	-452	-6.0%
33.3%	7,290	6,925	-365	-5.0%
34.6%	7,230	6,911	-319	-4.4%
35.8%	7,212	6,885	-327	-4.5%
37.0%	7,160	6,789	-371	-5.2%
38.3%	6,905	6,735	-170	-2.5%
39.5%	6,901	6,643	-258	-3.7%
40.7%	6,665	6,118	-547	-8.2%
42.0%	6,394	5,913	-481	-7.5%
43.2%	6,373	5,846	-527	-8.3%
44.4%	6,269	5,735	-533	-8.5%
45.7%	6,001	5,709	-291	-4.9%
46.9%	5,861	5,623	-238	-4.1%
48.1%	5,686	5,621	-65	-1.2%
49.4%	5,654	5,599	-55	-1.0%
50.6%	5,570	5,593	22	0.4%
51.9%	5,543	5,520	-24	-0.4%
53.1%	5,478	5,500	22	0.4%
54.3%	5,449	5,229	-220	-4.0%
55.6%	5,403	5,118	-285	-5.3%
56.8%	5,351	4,971	-380	-7.1%
58.0%	5,221	4,965	-256	-4.9%
59.3%	4,598	4,850	253	5.5%
60.5%	4,583	4,824	241	5.3%
61.7%	4,473	4,500	27	0.6%
63.0%	4,466	4,500	34	0.8%
64.2%	4,455	4,500	45	1.0%
65.4%	4,420	4,500	80	1.8%
66.7%	4,398	4,473	75	1.7%
67.9%	4,279	4,443	163	3.8%
69.1%	4,278	4,279	1	0.0%
70.4%	4,276	4,250	-26	-0.6%
71.6%	4,242	4,242	0	0.0%
72.8%	4,204	4,204	0	0.0%
74.1%	4,143	4,183	41	1.0%
75.3%	4,010	4,000	-10	-0.2%
76.5%	4,000	4,000	0	0.0%
77.8%	4,000	4,000	0	0.0%
79.0%	4,000	4,000	0	0.0%
80.2%	4,000	4,000	0	0.0%
81.5%	4,000	3,817	-183	-4.6%
82.7%	3,885	3,783	-102	-2.6%
84.0%	3,823	3,722	-101	-2.6%
85.2%	3,721	3,716	-5	-0.1%
86.4%	3,681	3,695	14	0.4%
87.7%	3,491	3,681	190	5.4%
88.9%	3,481	3,673	193	5.5%
90.1%	3,419	3,498	79	2.3%
91.4%	3,408	3,481	73	2.2%
92.6%	3,319	3,429	110	3.3%
93.8%	3,250	3,337	87	2.7%
95.1%	3,250	3,252	2	0.1%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	29,404	30,167	763	2.6%
1.2%	27,847	28,967	1,120	4.0%
2.5%	26,238	27,847	1,609	6.1%
3.7%	23,833	23,833	0	0.0%
4.9%	21,917	21,917	0	0.0%
6.2%	18,409	16,991	-1,418	-7.7%
7.4%	17,711	16,287	-1,424	-8.0%
8.6%	15,739	16,042	303	1.9%
9.9%	14,648	15,739	1,091	7.4%
11.1%	13,280	13,280	0	0.0%
12.3%	11,619	12,267	648	5.6%
13.6%	10,723	10,634	-89	-0.8%
14.8%	8,283	10,207	1,924	23.2%
16.0%	6,499	6,499	0	0.0%
17.3%	5,710	5,748	39	0.7%
18.5%	5,365	5,500	135	2.5%
19.8%	5,215	5,500	285	5.5%
21.0%	4,913	5,500	587	11.9%
22.2%	4,498	5,336	839	18.6%
23.5%	4,464	5,262	797	17.9%
24.7%	4,449	5,107	658	14.8%
25.9%	4,378	4,920	542	12.4%
27.2%	4,376	4,833	457	10.4%
28.4%	4,252	4,668	417	9.8%
29.6%	4,160	4,500	340	8.2%
30.9%	4,122	4,493	371	9.0%
32.1%	4,094	4,464	370	9.0%
33.3%	4,048	4,378	329	8.1%
34.6%	4,000	4,376	376	9.4%
35.8%	4,000	4,350	350	8.8%
37.0%	4,000	4,262	262	6.6%
38.3%	4,000	4,261	261	6.5%
39.5%	4,000	4,250	250	6.3%
40.7%	4,000	4,160	160	4.0%
42.0%	4,000	4,113	113	2.8%
43.2%	4,000	4,099	99	2.5%
44.4%	4,000	4,048	48	1.2%
45.7%	4,000	4,000	0	0.0%
46.9%	4,000	4,000	0	0.0%
48.1%	4,000	4,000	0	0.0%
49.4%	4,000	4,000	0	0.0%
50.6%	4,000	4,000	0	0.0%
51.9%	4,000	4,000	0	0.0%
53.1%	4,000	4,000	0	0.0%
54.3%	4,000	4,000	0	0.0%
55.6%	4,000	4,000	0	0.0%
56.8%	4,000	4,000	0	0.0%
58.0%	3,959	4,000	41	1.0%
59.3%	3,929	4,000	71	1.8%
60.5%	3,773	4,000	227	6.0%
61.7%	3,764	4,000	236	6.3%
63.0%	3,744	3,980	236	6.3%
64.2%	3,707	3,959	253	6.8%
65.4%	3,690	3,929	239	6.5%
66.7%	3,650	3,859	209	5.7%
67.9%	3,556	3,764	208	5.8%
69.1%	3,494	3,744	249	7.1%
70.4%	3,490	3,709	220	6.3%
71.6%	3,476	3,707	231	6.6%
72.8%	3,471	3,690	219	6.3%
74.1%	3,439	3,650	211	6.1%
75.3%	3,392	3,494	102	3.0%
76.5%	3,251	3,490	239	7.4%
77.8%	3,250	3,473	223	6.9%
79.0%	3,250	3,472	222	6.8%
80.2%	3,250	3,471	221	6.8%
81.5%	3,250	3,392	142	4.4%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	52,455	52,455	0	0.0%
1.2%	48,778	48,778	0	0.0%
2.5%	46,492	46,492	0	0.0%
3.7%	44,811	44,811	0	0.0%
4.9%	32,871	32,871	0	0.0%
6.2%	28,812	29,481	668	2.3%
7.4%	28,387	29,425	1,038	3.7%
8.6%	26,328	26,328	0	0.0%
9.9%	25,855	25,855	0	0.0%
11.1%	24,575	23,707	-867	-3.5%
12.3%	23,842	22,735	-1,107	-4.6%
13.6%	20,830	20,830	0	0.0%
14.8%	18,467	18,467	0	0.0%
16.0%	16,949	16,253	-696	-4.1%
17.3%	16,253	16,200	-54	-0.3%
18.5%	15,797	16,036	239	1.5%
19.8%	15,259	15,259	0	0.0%
21.0%	13,468	14,091	624	4.6%
22.2%	12,938	13,329	391	3.0%
23.5%	12,666	12,666	0	0.0%
24.7%	12,351	11,875	-475	-3.8%
25.9%	11,133	10,972	-160	-1.4%
27.2%	10,972	9,914	-1,059	-9.7%
28.4%	9,615	9,615	0	0.0%
29.6%	9,455	9,326	-128	-1.4%
30.9%	8,934	9,193	259	2.9%
32.1%	8,865	8,818	-47	-0.5%
33.3%	7,288	8,491	1,203	16.5%
34.6%	6,315	7,288	973	15.4%
35.8%	5,204	6,315	1,111	21.3%
37.0%	4,500	4,905	405	9.0%
38.3%	4,500	4,816	316	7.0%
39.5%	4,500	4,713	213	4.7%
40.7%	4,500	4,636	136	3.0%
42.0%	4,500	4,500	0	0.0%
43.2%	4,500	4,500	0	0.0%
44.4%	4,500	4,500	0	0.0%
45.7%	4,500	4,500	0	0.0%
46.9%	4,500	4,500	0	0.0%
48.1%	4,500	4,500	0	0.0%
49.4%	4,465	4,500	35	0.8%
50.6%	4,297	4,500	203	4.7%
51.9%	4,202	4,500	298	7.1%
53.1%	4,165	4,465	300	7.2%
54.3%	4,087	4,165	78	1.9%
55.6%	4,082	4,087	6	0.1%
56.8%	4,040	4,082	42	1.0%
58.0%	4,025	4,040	14	0.4%
59.3%	3,979	4,033	54	1.4%
60.5%	3,926	4,025	99	2.5%
61.7%	3,638	3,926	288	7.9%
63.0%	3,629	3,645	16	0.4%
64.2%	3,584	3,638	54	1.5%
65.4%	3,502	3,629	128	3.6%
66.7%	3,488	3,584	96	2.7%
67.9%	3,417	3,532	114	3.3%
69.1%	3,255	3,450	195	6.0%
70.4%	3,250	3,417	167	5.2%
71.6%	3,250	3,393	143	4.4%
72.8%	3,250	3,393	143	4.4%
74.1%	3,250	3,292	42	1.3%
75.3%	3,250	3,255	5	0.1%
76.5%	3,250	3,250	0	0.0%
77.8%	3,250	3,250	0	0.0%
79.0%	3,250	3,250	0	0.0%
80.2%	3,250	3,250	0	0.0%
81.5%	3,250	3,250	0	0.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

Table SW-10-b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,102	59,102	0	0.0%
1.2%	57,345	57,345	0	0.0%
2.5%	45,545	45,545	0	0.0%
3.7%	42,347	43,393	1,045	2.5%
4.9%	42,273	42,289	16	0.0%
6.2%	39,284	39,284	0	0.0%
7.4%	38,512	38,512	0	0.0%
8.6%	33,243	34,430	1,187	3.6%
9.9%	32,421	33,243	821	2.5%
11.1%	31,456	32,421	966	3.1%
12.3%	31,452	31,452	0	0.0%
13.6%	31,128	31,128	0	0.0%
14.8%	30,658	30,658	0	0.0%
16.0%	30,048	29,707	-341	-1.1%
17.3%	29,657	29,657	0	0.0%
18.5%	25,353	25,353	0	0.0%
19.8%	24,234	24,234	0	0.0%
21.0%	23,832	23,832	0	0.0%
22.2%	23,687	23,687	0	0.0%
23.5%	20,417	20,417	0	0.0%
24.7%	20,251	20,251	0	0.0%
25.9%	16,138	16,138	0	0.0%
27.2%	14,527	14,527	0	0.0%
28.4%	13,275	13,155	-120	-0.9%
29.6%	12,692	13,100	409	3.2%
30.9%	10,653	12,529	1,876	17.6%
32.1%	9,806	10,491	685	7.0%
33.3%	9,460	9,806	346	3.7%
34.6%	6,718	7,530	812	12.1%
35.8%	6,344	6,993	649	10.2%
37.0%	6,311	6,718	407	6.5%
38.3%	6,130	6,639	509	8.3%
39.5%	6,062	6,344	282	4.6%
40.7%	5,982	6,311	328	5.5%
42.0%	5,389	6,130	741	13.8%
43.2%	4,500	6,062	1,562	34.7%
44.4%	4,500	4,652	152	3.4%
45.7%	4,500	4,500	0	0.0%
46.9%	4,500	4,500	0	0.0%
48.1%	4,500	4,500	0	0.0%
49.4%	4,500	4,500	0	0.0%
50.6%	4,500	4,500	0	0.0%
51.9%	4,500	4,500	0	0.0%
53.1%	4,500	4,500	0	0.0%
54.3%	4,500	4,500	0	0.0%
55.6%	4,500	4,500	0	0.0%
56.8%	4,491	4,500	9	0.2%
58.0%	4,451	4,500	49	1.1%
59.3%	4,207	4,491	285	6.8%
60.5%	4,054	4,451	397	9.8%
61.7%	3,679	4,375	696	18.9%
63.0%	3,488	4,207	718	20.6%
64.2%	3,414	3,750	336	9.8%
65.4%	3,250	3,750	500	15.4%
66.7%	3,250	3,750	500	15.4%
67.9%	3,250	3,679	429	13.2%
69.1%	3,250	3,414	164	5.0%
70.4%	3,250	3,400	150	4.6%
71.6%	3,250	3,250	0	0.0%
72.8%	3,250	3,250	0	0.0%
74.1%	3,250	3,250	0	0.0%
75.3%	3,250	3,250	0	0.0%
76.5%	3,250	3,250	0	0.0%
77.8%	3,250	3,250	0	0.0%
79.0%	3,250	3,250	0	0.0%
80.2%	3,250	3,250	0	0.0%
81.5%	3,250	3,250	0	0.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	55,811	55,811	0	0.0%
1.2%	52,648	52,648	0	0.0%
2.5%	37,838	37,838	0	0.0%
3.7%	37,171	37,171	0	0.0%
4.9%	25,141	24,744	-396	-1.6%
6.2%	24,724	24,724	0	0.0%
7.4%	24,427	23,578	-849	-3.5%
8.6%	23,578	22,948	-630	-2.7%
9.9%	22,631	22,631	0	0.0%
11.1%	16,992	16,992	0	0.0%
12.3%	16,954	16,954	0	0.0%
13.6%	15,193	15,193	0	0.0%
14.8%	14,829	14,829	0	0.0%
16.0%	13,132	13,651	519	4.0%
17.3%	12,788	13,241	453	3.5%
18.5%	12,385	12,788	402	3.2%
19.8%	11,996	12,385	389	3.2%
21.0%	11,921	11,876	-45	-0.4%
22.2%	11,714	11,220	-494	-4.2%
23.5%	10,972	10,972	0	0.0%
24.7%	10,915	10,915	0	0.0%
25.9%	9,972	10,328	356	3.6%
27.2%	9,784	9,972	188	1.9%
28.4%	9,071	9,784	713	7.9%
29.6%	8,950	9,093	142	1.6%
30.9%	8,827	8,950	123	1.4%
32.1%	8,579	8,415	-164	-1.9%
33.3%	8,503	7,930	-573	-6.7%
34.6%	7,484	7,789	305	4.1%
35.8%	6,863	7,484	621	9.1%
37.0%	6,736	6,907	171	2.5%
38.3%	6,735	6,735	0	0.0%
39.5%	5,655	6,118	462	8.2%
40.7%	5,645	5,761	116	2.0%
42.0%	5,627	5,494	-133	-2.4%
43.2%	5,494	5,430	-64	-1.2%
44.4%	4,922	5,375	453	9.2%
45.7%	4,904	5,154	250	5.1%
46.9%	4,800	4,768	-32	-0.7%
48.1%	4,500	4,500	0	0.0%
49.4%	4,500	4,500	0	0.0%
50.6%	4,500	4,500	0	0.0%
51.9%	4,500	4,500	0	0.0%
53.1%	4,500	4,500	0	0.0%
54.3%	4,500	4,500	0	0.0%
55.6%	4,500	4,500	0	0.0%
56.8%	4,500	4,500	0	0.0%
58.0%	4,500	4,500	0	0.0%
59.3%	4,500	4,500	0	0.0%
60.5%	4,500	4,500	0	0.0%
61.7%	4,500	4,500	0	0.0%
63.0%	4,152	4,500	348	8.4%
64.2%	4,133	4,133	0	0.0%
65.4%	4,048	4,048	0	0.0%
66.7%	3,979	3,995	16	0.4%
67.9%	3,973	3,979	6	0.1%
69.1%	3,868	3,973	105	2.7%
70.4%	3,768	3,937	169	4.5%
71.6%	3,602	3,768	166	4.6%
72.8%	3,545	3,602	57	1.6%
74.1%	3,502	3,522	20	0.6%
75.3%	3,250	3,439	189	5.8%
76.5%	3,250	3,278	28	0.9%
77.8%	3,250	3,250	0	0.0%
79.0%	3,250	3,250	0	0.0%
80.2%	3,250	3,250	0	0.0%
81.5%	3,250	3,250	0	0.0%
82.7%	3,250	3,250	0	0.0%
84.0%	3,250	3,250	0	0.0%
85.2%	3,250	3,250	0	0.0%
86.4%	3,250	3,250	0	0.0%
87.7%	3,250	3,250	0	0.0%
88.9%	3,250	3,250	0	0.0%
90.1%	3,250	3,250	0	0.0%
91.4%	3,250	3,250	0	0.0%
92.6%	3,250	3,250	0	0.0%
93.8%	3,250	3,250	0	0.0%
95.1%	3,250	3,250	0	0.0%
96.3%	3,250	3,250	0	0.0%
97.5%	3,250	3,250	0	0.0%
98.8%	3,250	3,250	0	0.0%
100.0%	3,250	3,250	0	0.0%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	30,805	30,805	0	0.0%
1.2%	23,403	23,403	0	0.0%
2.5%	16,165	16,165	0	0.0%
3.7%	14,137	14,137	0	0.0%
4.9%	12,419	12,419	0	0.0%
6.2%	11,772	11,589	-183	-1.6%
7.4%	11,049	11,183	134	1.2%
8.6%	10,686	11,049	363	3.4%
9.9%	10,233	10,224	-9	-0.1%
11.1%	9,967	8,985	-982	-9.9%
12.3%	9,554	8,776	-778	-8.1%
13.6%	9,228	8,728	-500	-5.4%
14.8%	8,857	8,466	-392	-4.4%
16.0%	8,765	8,235	-530	-6.1%
17.3%	8,412	8,198	-214	-2.5%
18.5%	8,198	7,975	-223	-2.7%
19.8%	8,161	7,944	-217	-2.7%
21.0%	8,098	7,881	-217	-2.7%
22.2%	7,980	7,710	-270	-3.4%
23.5%	7,809	7,650	-159	-2.0%
24.7%	7,684	7,580	-104	-1.4%
25.9%	7,580	7,508	-72	-1.0%
27.2%	7,575	7,473	-102	-1.3%
28.4%	7,399	7,368	-31	-0.4%
29.6%	7,301	7,305	4	0.1%
30.9%	7,182	7,298	116	1.6%
32.1%	7,139	7,144	4	0.1%
33.3%	7,110	7,090	-20	-0.3%
34.6%	7,099	6,976	-123	-1.7%
35.8%	7,090	6,822	-269	-3.8%
37.0%	7,055	6,732	-323	-4.6%
38.3%	6,953	6,673	-280	-4.0%
39.5%	6,888	6,668	-220	-3.2%
40.7%	6,738	6,660	-78	-1.2%
42.0%	6,543	6,469	-74	-1.1%
43.2%	6,463	6,314	-149	-2.3%
44.4%	6,308	6,246	-62	-1.0%
45.7%	6,213	6,233	20	0.3%
46.9%	6,010	5,610	-400	-6.7%
48.1%	5,940	5,455	-486	-8.2%
49.4%	5,899	5,369	-530	-9.0%
50.6%	5,836	5,323	-513	-8.8%
51.9%	5,797	5,305	-492	-8.5%
53.1%	5,466	5,286	-180	-3.3%
54.3%	5,419	5,283	-136	-2.5%
55.6%	5,310	5,211	-99	-1.9%
56.8%	5,305	5,155	-151	-2.8%
58.0%	5,286	5,103	-183	-3.5%
59.3%	5,148	5,076	-72	-1.4%
60.5%	4,993	4,861	-133	-2.7%
61.7%	4,929	4,818	-111	-2.3%
63.0%	4,906	4,742	-163	-3.3%
64.2%	4,759	4,735	-23	-0.5%
65.4%	4,742	4,664	-78	-1.6%
66.7%	4,672	4,600	-72	-1.5%
67.9%	4,617	4,600	-17	-0.4%
69.1%	4,500	4,600	100	2.2%
70.4%	4,500	4,600	100	2.2%
71.6%	4,500	4,600	100	2.2%
72.8%	4,500	4,600	100	2.2%
74.1%	4,500	4,600	100	2.2%
75.3%	4,500	4,600	100	2.2%
76.5%	4,500	4,600	100	2.2%
77.8%	4,500	4,600	100	2.2%
79.0%	4,500	4,500	0	0.0%
80.2%	4,500	4,500	0	0.0%
81.5%	4,500	4,500	0	0.0%
82.7%	4,500	4,500	0	0.0%
84.0%	4,500	4,500	0	0.0%
85.2%	4,500	4,500	0	0.0%
86.4%	4,338	4,500	162	3.7%
87.7%	4,203	4,500	297	7.1%
88.9%	3,990	4,500	510	12.8%
90.1%	3,719	4,368	650	17.5%
91.4%	3,700	4,357	657	17.8%
92.6%	3,250	4,283	1,033	31.8%
93.8%	3,250	4,138	888	27.3%
95.1%	3,250	4,087	837	25.7%
96.3%	3,250	4,050	800	24.6%
97.5%	3,250	3,994	744	22.9%
98.8%	3,250	3,357	107	3.3%
100.0%	3,250	3,250	0	0.0%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,924	12,477	553	4.6%
1.2%	11,759	11,725	-34	-0.3%
2.5%	11,631	11,384	-247	-2.1%
3.7%	11,573	11,307	-265	-2.3%
4.9%	11,096	11,227	132	1.2%
6.2%	10,935	10,701	-234	-2.1%
7.4%	10,784	10,554	-230	-2.1%
8.6%	10,172	10,291	120	1.2%
9.9%	10,106	10,115	9	0.1%
11.1%	10,092	10,038	-54	-0.5%
12.3%	10,058	10,010	-48	-0.5%
13.6%	10,038	9,597	-442	-4.4%
14.8%	9,874	9,578	-296	-3.0%
16.0%	9,752	9,531	-221	-2.3%
17.3%	9,581	9,408	-173	-1.8%
18.5%	9,468	9,227	-242	-2.6%
19.8%	9,188	9,223	36	0.4%
21.0%	9,094	9,138	44	0.5%
22.2%	8,956	9,037	80	0.9%
23.5%	8,951	8,951	0	0.0%
24.7%	8,814	8,831	18	0.2%
25.9%	8,805	8,578	-227	-2.6%
27.2%	8,715	8,550	-165	-1.9%
28.4%	8,594	8,429	-164	-1.9%
29.6%	8,506	8,424	-83	-1.0%
30.9%	8,420	8,338	-82	-1.0%
32.1%	8,357	8,271	-87	-1.0%
33.3%	8,165	8,264	100	1.2%
34.6%	8,161	8,183	23	0.3%
35.8%	8,124	8,070	-54	-0.7%
37.0%	8,090	8,028	-62	-0.8%
38.3%	8,088	7,603	-486	-6.0%
39.5%	8,027	7,575	-452	-5.6%
40.7%	7,990	7,481	-508	-6.4%
42.0%	7,941	7,436	-505	-6.4%
43.2%	7,855	7,417	-438	-5.6%
44.4%	7,829	7,404	-425	-5.4%
45.7%	7,811	7,382	-429	-5.5%
46.9%	7,796	7,299	-497	-6.4%
48.1%	7,762	7,294	-468	-6.0%
49.4%	7,720	7,213	-507	-6.6%
50.6%	7,702	7,062	-640	-8.3%
51.9%	7,540	6,954	-585	-7.8%
53.1%	7,522	6,933	-589	-7.8%
54.3%	7,492	6,900	-592	-7.9%
55.6%	7,445	6,850	-595	-8.0%
56.8%	7,418	6,736	-682	-9.2%
58.0%	7,378	6,486	-892	-12.1%
59.3%	7,234	6,481	-753	-10.4%
60.5%	7,165	6,368	-796	-11.1%
61.7%	7,124	6,303	-820	-11.5%
63.0%	7,007	6,292	-716	-10.2%
64.2%	6,894	6,231	-663	-9.6%
65.4%	6,850	6,200	-650	-9.5%
66.7%	6,719	6,200	-519	-7.7%
67.9%	6,644	6,156	-488	-7.4%
69.1%	6,551	6,122	-429	-6.6%
70.4%	6,551	6,056	-495	-7.6%
71.6%	6,504	5,984	-519	-8.0%
72.8%	6,479	5,966	-513	-7.9%
74.1%	6,452	5,951	-501	-7.8%
75.3%	6,405	5,924	-481	-7.5%
76.5%	6,336	5,800	-536	-8.5%
77.8%	6,214	5,595	-618	-9.9%
79.0%	6,213	5,573	-640	-10.3%
80.2%	6,193	5,500	-693	-11.2%
81.5%	6,180	5,389	-791	-12.8%
82.7%	6,131	5,378	-753	-12.3%
84.0%	6,126	5,361	-764	-12.5%
85.2%	6,119	5,352	-767	-12.5%
86.4%	6,053	5,300	-753	-12.4%
87.7%	6,053	5,100	-953	-15.7%
88.9%	5,954	5,095	-859	-14.4%
90.1%	5,792	5,060	-732	-12.6%
91.4%	5,658	4,922	-736	-13.0%
92.6%	5,602	4,900	-702	-12.5%
93.8%	5,584	4,883	-701	-12.5%
95.1%	5,553	4,700	-853	-15.4%
96.3%	5,514	4,601	-914	-16.6%
97.5%	4,463	4,589	126	2.8%
98.8%	4,435	4,487	52	1.2%
100.0%	4,120	4,255	135	3.3%

Table SW-10-b

Sacramento River below Keswick Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,000	15,000	0	0.0%
1.2%	15,000	15,000	0	0.0%
2.5%	15,000	14,332	-668	-4.5%
3.7%	15,000	14,126	-874	-5.8%
4.9%	14,723	14,007	-715	-4.9%
6.2%	14,592	13,959	-633	-4.3%
7.4%	14,269	13,785	-484	-3.4%
8.6%	14,267	13,728	-539	-3.8%
9.9%	14,187	13,661	-526	-3.7%
11.1%	13,981	13,557	-424	-3.0%
12.3%	13,977	13,432	-544	-3.9%
13.6%	13,847	13,378	-469	-3.4%
14.8%	13,783	13,375	-408	-3.0%
16.0%	13,750	13,258	-491	-3.6%
17.3%	13,736	13,048	-687	-5.0%
18.5%	13,693	12,953	-740	-5.4%
19.8%	13,662	12,920	-742	-5.4%
21.0%	13,643	12,853	-790	-5.8%
22.2%	13,623	12,807	-816	-6.0%
23.5%	13,527	12,765	-762	-5.6%
24.7%	13,430	12,603	-827	-6.2%
25.9%	13,373	12,564	-809	-6.0%
27.2%	13,302	12,509	-794	-6.0%
28.4%	13,192	12,500	-692	-5.2%
29.6%	13,185	12,389	-797	-6.0%
30.9%	13,129	12,187	-942	-7.2%
32.1%	13,086	12,118	-968	-7.4%
33.3%	13,035	12,114	-921	-7.1%
34.6%	12,861	12,074	-787	-6.1%
35.8%	12,666	12,066	-600	-4.7%
37.0%	12,613	12,031	-582	-4.6%
38.3%	12,559	11,901	-659	-5.2%
39.5%	12,504	11,889	-614	-4.9%
40.7%	12,473	11,862	-610	-4.9%
42.0%	12,343	11,848	-495	-4.0%
43.2%	12,338	11,682	-656	-5.3%
44.4%	12,282	11,328	-955	-7.8%
45.7%	12,174	11,289	-884	-7.3%
46.9%	12,131	11,210	-921	-7.6%
48.1%	12,051	11,166	-884	-7.3%
49.4%	11,947	11,107	-840	-7.0%
50.6%	11,938	11,069	-869	-7.3%
51.9%	11,911	11,056	-855	-7.2%
53.1%	11,759	10,987	-773	-6.6%
54.3%	11,700	10,789	-911	-7.8%
55.6%	11,693	10,708	-984	-8.4%
56.8%	11,691	10,691	-999	-8.5%
58.0%	11,374	10,517	-856	-7.5%
59.3%	11,355	10,500	-855	-7.5%
60.5%	11,220	10,500	-720	-6.4%
61.7%	11,139	10,500	-639	-5.7%
63.0%	11,027	10,500	-527	-4.8%
64.2%	10,944	10,500	-444	-4.1%
65.4%	10,789	10,500	-289	-2.7%
66.7%	10,711	10,500	-211	-2.0%
67.9%	10,694	10,500	-194	-1.8%
69.1%	10,669	10,500	-169	-1.6%
70.4%	10,494	10,500	6	0.1%
71.6%	10,475	10,500	25	0.2%
72.8%	10,439	10,261	-178	-1.7%
74.1%	10,275	10,084	-191	-1.9%
75.3%	10,148	10,076	-72	-0.7%
76.5%	10,053	10,015	-38	-0.4%
77.8%	9,997	9,950	-47	-0.5%
79.0%	9,995	9,731	-264	-2.6%
80.2%	9,798	9,701	-96	-1.0%
81.5%	9,708	9,609	-99	-1.0%
82.7%	9,582	9,508	-74	-0.8%
84.0%	9,563	9,312	-250	-2.6%
85.2%	9,477	9,200	-277	-2.9%
86.4%	9,348	9,141	-208	-2.2%
87.7%	9,080	9,120	39	0.4%
88.9%	8,938	9,100	162	1.8%
90.1%	8,931	9,100	169	1.9%
91.4%	8,740	9,018	278	3.2%
92.6%	8,520	8,817	297	3.5%
93.8%	8,478	8,703	225	2.7%
95.1%	8,414	7,994	-420	-5.0%
96.3%	8,349	7,400	-949	-11.4%
97.5%	8,195	7,127	-1,068	-13.0%
98.8%	7,857	7,087	-770	-9.8%
100.0%	7,564	7,000	-564	-7.5%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,800	20,539	4,740	30.0%
1.2%	15,742	20,390	4,648	29.5%
2.5%	15,000	19,246	4,246	28.3%
3.7%	15,000	18,926	3,926	26.2%
4.9%	15,000	18,657	3,657	24.4%
6.2%	15,000	18,632	3,632	24.2%
7.4%	15,000	18,516	3,516	23.4%
8.6%	15,000	17,682	2,682	17.9%
9.9%	15,000	16,927	1,927	12.8%
11.1%	15,000	15,903	903	6.0%
12.3%	15,000	15,256	256	1.7%
13.6%	15,000	15,140	140	0.9%
14.8%	15,000	15,000	0	0.0%
16.0%	15,000	15,000	0	0.0%
17.3%	15,000	15,000	0	0.0%
18.5%	15,000	15,000	0	0.0%
19.8%	15,000	15,000	0	0.0%
21.0%	15,000	15,000	0	0.0%
22.2%	15,000	15,000	0	0.0%
23.5%	15,000	15,000	0	0.0%
24.7%	15,000	15,000	0	0.0%
25.9%	15,000	15,000	0	0.0%
27.2%	15,000	15,000	0	0.0%
28.4%	15,000	15,000	0	0.0%
29.6%	15,000	15,000	0	0.0%
30.9%	15,000	15,000	0	0.0%
32.1%	15,000	15,000	0	0.0%
33.3%	14,963	15,000	37	0.2%
34.6%	14,959	15,000	41	0.3%
35.8%	14,918	15,000	82	0.6%
37.0%	14,894	15,000	106	0.7%
38.3%	14,829	15,000	171	1.2%
39.5%	14,811	15,000	189	1.3%
40.7%	14,775	15,000	225	1.5%
42.0%	14,773	15,000	227	1.5%
43.2%	14,767	15,000	233	1.6%
44.4%	14,759	14,864	105	0.7%
45.7%	14,758	14,819	61	0.4%
46.9%	14,758	14,777	19	0.1%
48.1%	14,757	14,757	0	0.0%
49.4%	14,751	14,665	-86	-0.6%
50.6%	14,694	14,513	-181	-1.2%
51.9%	14,685	14,437	-248	-1.7%
53.1%	14,662	14,434	-228	-1.6%
54.3%	14,639	14,373	-266	-1.8%
55.6%	14,638	14,175	-463	-3.2%
56.8%	14,583	14,017	-567	-3.9%
58.0%	14,445	13,979	-465	-3.2%
59.3%	14,293	13,977	-317	-2.2%
60.5%	14,246	13,893	-353	-2.5%
61.7%	14,196	13,800	-395	-2.8%
63.0%	14,036	13,775	-262	-1.9%
64.2%	13,910	13,631	-280	-2.0%
65.4%	13,828	13,530	-298	-2.2%
66.7%	13,708	13,457	-252	-1.8%
67.9%	13,374	13,376	3	0.0%
69.1%	13,244	13,306	62	0.5%
70.4%	13,203	13,173	-30	-0.2%
71.6%	13,180	13,012	-168	-1.3%
72.8%	13,066	12,981	-84	-0.6%
74.1%	12,982	12,881	-100	-0.8%
75.3%	12,972	12,740	-233	-1.8%
76.5%	12,894	12,500	-394	-3.1%
77.8%	12,809	12,500	-309	-2.4%
79.0%	12,798	12,500	-298	-2.3%
80.2%	12,636	12,500	-136	-1.1%
81.5%	12,341	12,484	143	1.2%
82.7%	12,139	12,405	266	2.2%
84.0%	12,045	12,356	311	2.6%
85.2%	11,915	11,880	-35	-0.3%
86.4%	11,663	11,758	94	0.8%
87.7%	11,317	11,727	410	3.6%
88.9%	11,311	11,700	389	3.4%
90.1%	11,260	11,675	415	3.7%
91.4%	11,152	11,621	469	4.2%
92.6%	10,436	11,427	992	9.5%
93.8%	9,981	11,309	1,328	13.3%
95.1%	9,419	11,225	1,806	19.2%
96.3%	9,414	10,900	1,486	15.8%
97.5%	9,316	10,785	1,469	15.8%
98.8%	8,441	9,542	1,101	13.0%
100.0%	6,034	6,143	109	1.8%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,240	12,469	-772	-5.8%
1.2%	13,202	12,447	-755	-5.7%
2.5%	12,519	11,913	-606	-4.8%
3.7%	12,304	11,674	-631	-5.1%
4.9%	12,271	11,641	-630	-5.1%
6.2%	11,996	11,628	-368	-3.1%
7.4%	11,983	11,443	-540	-4.5%
8.6%	11,891	11,305	-585	-4.9%
9.9%	11,852	11,305	-548	-4.6%
11.1%	11,850	11,190	-660	-5.6%
12.3%	11,516	10,760	-757	-6.6%
13.6%	11,380	10,681	-699	-6.1%
14.8%	11,370	10,579	-791	-7.0%
16.0%	11,337	10,546	-790	-7.0%
17.3%	11,261	10,444	-818	-7.3%
18.5%	11,217	10,425	-792	-7.1%
19.8%	11,112	10,383	-729	-6.6%
21.0%	11,017	10,348	-669	-6.1%
22.2%	10,989	10,331	-658	-6.0%
23.5%	10,983	10,311	-672	-6.1%
24.7%	10,892	10,215	-677	-6.2%
25.9%	10,846	10,110	-736	-6.8%
27.2%	10,694	10,060	-634	-5.9%
28.4%	10,604	10,057	-547	-5.2%
29.6%	10,460	10,000	-460	-4.4%
30.9%	10,394	10,000	-394	-3.8%
32.1%	10,383	10,000	-383	-3.7%
33.3%	10,350	10,000	-350	-3.4%
34.6%	10,321	10,000	-321	-3.1%
35.8%	10,313	10,000	-313	-3.0%
37.0%	10,258	10,000	-258	-2.5%
38.3%	10,154	10,000	-154	-1.5%
39.5%	10,025	10,000	-25	-0.3%
40.7%	9,934	10,000	66	0.7%
42.0%	9,928	10,000	72	0.7%
43.2%	9,901	10,000	99	1.0%
44.4%	9,890	10,000	110	1.1%
45.7%	9,863	10,000	137	1.4%
46.9%	9,662	10,000	338	3.5%
48.1%	9,540	10,000	460	4.8%
49.4%	9,491	10,000	509	5.4%
50.6%	9,436	10,000	564	6.0%
51.9%	9,418	10,000	582	6.2%
53.1%	9,401	10,000	599	6.4%
54.3%	9,354	10,000	646	6.9%
55.6%	9,168	9,996	829	9.0%
56.8%	9,117	9,987	871	9.5%
58.0%	9,085	9,966	881	9.7%
59.3%	9,053	9,943	890	9.8%
60.5%	9,052	9,723	671	7.4%
61.7%	9,050	9,711	662	7.3%
63.0%	8,954	9,696	741	8.3%
64.2%	8,908	9,678	770	8.6%
65.4%	8,896	9,600	704	7.9%
66.7%	8,865	9,583	719	8.1%
67.9%	8,854	9,562	709	8.0%
69.1%	8,793	9,541	749	8.5%
70.4%	8,756	9,530	774	8.8%
71.6%	8,723	9,477	754	8.6%
72.8%	8,703	9,400	697	8.0%
74.1%	8,620	9,396	776	9.0%
75.3%	8,619	9,375	756	8.8%
76.5%	8,554	9,341	786	9.2%
77.8%	8,481	9,303	823	9.7%
79.0%	8,400	9,300	900	10.7%
80.2%	8,333	9,266	933	11.2%
81.5%	8,266	9,249	982	11.9%
82.7%	8,164	9,240	1,076	13.2%
84.0%	8,059	9,227	1,168	14.5%
85.2%	8,044	9,207	1,162	14.5%
86.4%	8,026	9,200	1,174	14.6%
87.7%	7,971	9,200	1,229	15.4%
88.9%	7,962	9,182	1,219	15.3%
90.1%	7,910	9,107	1,197	15.1%
91.4%	7,902	9,088	1,186	15.0%
92.6%	7,848	8,750	902	11.5%
93.8%	7,828	8,700	872	11.1%
95.1%	7,682	8,400	718	9.3%
96.3%	7,557	8,300	743	9.8%
97.5%	7,399	7,900	501	6.8%
98.8%	6,620	7,418	798	12.1%
100.0%	2,878	3,142	263	9.2%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,466	16,402	936	6.1%
1.2%	15,427	15,946	519	3.4%
2.5%	15,039	15,687	648	4.3%
3.7%	15,000	15,263	263	1.8%
4.9%	15,000	15,242	242	1.6%
6.2%	14,983	15,224	241	1.6%
7.4%	14,866	14,984	118	0.8%
8.6%	14,842	14,898	56	0.4%
9.9%	14,807	14,783	-23	-0.2%
11.1%	14,778	14,771	-7	0.0%
12.3%	14,616	14,648	32	0.2%
13.6%	14,611	14,488	-123	-0.8%
14.8%	14,533	14,188	-345	-2.4%
16.0%	14,493	14,118	-375	-2.6%
17.3%	14,322	14,111	-211	-1.5%
18.5%	14,265	13,887	-378	-2.6%
19.8%	14,059	13,749	-310	-2.2%
21.0%	14,016	13,663	-354	-2.5%
22.2%	13,924	13,364	-560	-4.0%
23.5%	13,229	12,798	-432	-3.3%
24.7%	13,013	12,474	-539	-4.1%
25.9%	12,509	11,943	-566	-4.5%
27.2%	12,379	11,939	-440	-3.6%
28.4%	12,151	11,402	-749	-6.2%
29.6%	11,811	10,678	-1,133	-9.6%
30.9%	11,439	10,455	-984	-8.6%
32.1%	11,408	9,588	-1,820	-16.0%
33.3%	11,307	9,010	-2,297	-20.3%
34.6%	10,458	7,936	-2,522	-24.1%
35.8%	9,732	7,921	-1,811	-18.6%
37.0%	9,407	7,733	-1,674	-17.8%
38.3%	9,243	7,693	-1,551	-16.8%
39.5%	8,781	7,138	-1,643	-18.7%
40.7%	8,293	6,777	-1,516	-18.3%
42.0%	7,304	6,754	-551	-7.5%
43.2%	7,181	6,520	-660	-9.2%
44.4%	6,850	6,474	-376	-5.5%
45.7%	6,682	6,346	-335	-5.0%
46.9%	6,644	6,008	-636	-9.6%
48.1%	6,181	6,000	-181	-2.9%
49.4%	6,025	6,000	-25	-0.4%
50.6%	5,922	5,987	64	1.1%
51.9%	5,768	5,894	126	2.2%
53.1%	5,767	5,890	122	2.1%
54.3%	5,691	5,883	192	3.4%
55.6%	5,587	5,878	291	5.2%
56.8%	5,555	5,878	324	5.8%
58.0%	5,387	5,848	460	8.5%
59.3%	5,282	5,800	518	9.8%
60.5%	5,238	5,790	552	10.5%
61.7%	5,229	5,778	549	10.5%
63.0%	5,211	5,730	519	10.0%
64.2%	4,888	5,708	820	16.8%
65.4%	4,831	5,699	869	18.0%
66.7%	4,779	5,644	865	18.1%
67.9%	4,723	5,615	892	18.9%
69.1%	4,594	5,600	1,006	21.9%
70.4%	4,558	5,524	966	21.2%
71.6%	4,315	5,505	1,190	27.6%
72.8%	4,292	5,504	1,212	28.2%
74.1%	4,283	5,504	1,221	28.5%
75.3%	4,273	5,502	1,229	28.8%
76.5%	4,250	5,501	1,251	29.4%
77.8%	4,221	5,500	1,279	30.3%
79.0%	4,204	5,472	1,268	30.2%
80.2%	4,175	5,454	1,279	30.6%
81.5%	4,167	5,440	1,273	30.6%
82.7%	4,152	5,430	1,279	30.8%
84.0%	4,009	5,421	1,412	35.2%
85.2%	3,937	5,351	1,414	35.9%
86.4%	3,927	5,300	1,373	35.0%
87.7%	3,922	5,300	1,378	35.1%
88.9%	3,823	5,281	1,457	38.1%
90.1%	3,812	5,250	1,438	37.7%
91.4%	3,790	5,124	1,334	35.2%
92.6%	3,734	5,100	1,366	36.6%
93.8%	3,689	4,989	1,301	35.3%
95.1%	3,584	4,984	1,400	39.1%
96.3%	3,575	4,946	1,371	38.4%
97.5%	3,250	4,918	1,668	51.3%
98.8%	3,250	4,621	1,371	42.2%
100.0%	3,250	4,399	1,149	35.4%

Figure SW-11-b
Sacramento River at Bend Bridge, Monthly Flow
Probability of Exceedance

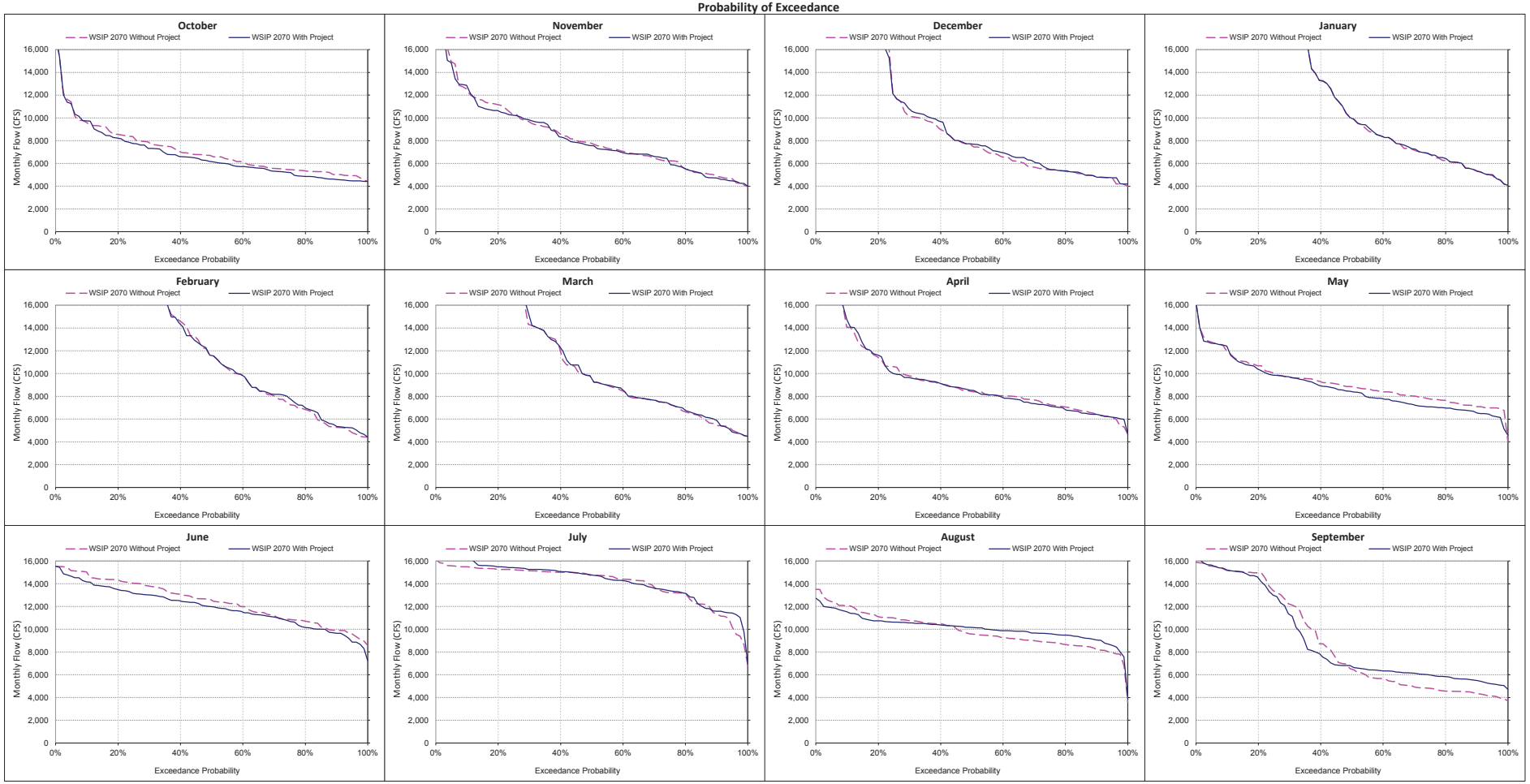


Table SW-11-b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,498	17,295	-204	-1.2%
1.2%	15,310	15,310	0	0.0%
2.5%	12,189	12,021	-167	-1.4%
3.7%	11,614	11,376	-238	-2.1%
4.9%	11,420	11,258	-162	-1.4%
6.2%	10,131	10,338	206	2.0%
7.4%	9,783	10,142	360	3.7%
8.6%	9,778	9,754	-24	-0.2%
9.9%	9,607	9,741	134	1.4%
11.1%	9,358	9,710	352	3.8%
12.3%	9,330	9,040	-290	-3.1%
13.6%	9,311	8,850	-461	-5.0%
14.8%	9,238	8,714	-525	-5.7%
16.0%	9,206	8,457	-749	-8.1%
17.3%	8,828	8,441	-388	-4.4%
18.5%	8,571	8,280	-291	-3.4%
19.8%	8,559	8,236	-323	-3.8%
21.0%	8,500	8,163	-337	-4.0%
22.2%	8,445	7,944	-501	-5.9%
23.5%	8,382	7,872	-510	-6.1%
24.7%	8,366	7,758	-608	-7.3%
25.9%	7,994	7,727	-268	-3.3%
27.2%	7,952	7,622	-329	-4.1%
28.4%	7,929	7,610	-319	-4.0%
29.6%	7,884	7,323	-561	-7.1%
30.9%	7,645	7,323	-322	-4.2%
32.1%	7,631	7,299	-332	-4.3%
33.3%	7,570	7,266	-304	-4.0%
34.6%	7,544	6,987	-557	-7.4%
35.8%	7,501	6,798	-703	-9.4%
37.0%	7,465	6,779	-687	-9.2%
38.3%	7,263	6,762	-502	-6.9%
39.5%	7,043	6,613	-430	-6.1%
40.7%	6,944	6,592	-352	-5.1%
42.0%	6,928	6,563	-364	-5.3%
43.2%	6,848	6,541	-308	-4.5%
44.4%	6,790	6,484	-306	-4.5%
45.7%	6,781	6,438	-342	-5.0%
46.9%	6,770	6,289	-481	-7.1%
48.1%	6,719	6,274	-445	-6.6%
49.4%	6,709	6,171	-538	-8.0%
50.6%	6,576	6,124	-452	-6.9%
51.9%	6,575	6,059	-516	-7.8%
53.1%	6,568	6,016	-552	-8.4%
54.3%	6,420	5,998	-422	-6.6%
55.6%	6,363	5,953	-410	-6.4%
56.8%	6,304	5,816	-488	-7.7%
58.0%	6,166	5,751	-415	-6.7%
59.3%	6,159	5,716	-442	-7.2%
60.5%	6,069	5,715	-353	-5.8%
61.7%	5,890	5,677	-213	-3.6%
63.0%	5,848	5,659	-189	-3.2%
64.2%	5,782	5,607	-175	-3.0%
65.4%	5,764	5,587	-177	-3.1%
66.7%	5,737	5,555	-183	-3.2%
67.9%	5,621	5,449	-172	-3.1%
69.1%	5,572	5,322	-251	-4.5%
70.4%	5,553	5,303	-250	-4.5%
71.6%	5,541	5,288	-253	-4.6%
72.8%	5,523	5,269	-254	-4.6%
74.1%	5,466	5,213	-253	-4.6%
75.3%	5,449	5,200	-249	-4.6%
76.5%	5,422	4,936	-487	-9.0%
77.8%	5,400	4,893	-507	-9.4%
79.0%	5,382	4,868	-514	-9.5%
80.2%	5,340	4,853	-487	-9.1%
81.5%	5,288	4,843	-446	-8.4%
82.7%	5,285	4,838	-447	-8.5%
84.0%	5,278	4,758	-520	-9.9%
85.2%	5,278	4,730	-548	-10.4%
86.4%	5,247	4,662	-585	-11.2%
87.7%	5,203	4,627	-576	-11.1%
88.9%	5,030	4,618	-412	-8.2%
90.1%	5,021	4,582	-439	-8.7%
91.4%	5,019	4,547	-472	-9.4%
92.6%	4,951	4,542	-408	-8.2%
93.8%	4,928	4,492	-436	-8.8%
95.1%	4,925	4,475	-450	-9.1%
96.3%	4,918	4,455	-463	-9.4%
97.5%	4,734	4,455	-280	-5.9%
98.8%	4,548	4,424	-124	-2.7%
100.0%	4,407	4,424	17	0.4%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,306	24,192	886	3.8%
1.2%	21,067	23,129	2,062	9.8%
2.5%	18,284	17,433	-852	-4.7%
3.7%	16,142	15,063	-1,079	-6.7%
4.9%	14,954	14,852	-102	-0.7%
6.2%	14,739	13,438	-1,301	-8.8%
7.4%	12,866	12,959	93	0.7%
8.6%	12,737	12,941	203	1.6%
9.9%	12,549	12,871	323	2.6%
11.1%	11,994	12,124	130	1.1%
12.3%	11,831	11,736	-95	-0.8%
13.6%	11,622	11,025	-597	-5.1%
14.8%	11,572	10,899	-673	-5.8%
16.0%	11,361	10,794	-567	-5.0%
17.3%	11,288	10,727	-560	-5.0%
18.5%	11,258	10,660	-597	-5.3%
19.8%	11,176	10,641	-535	-4.8%
21.0%	11,094	10,500	-594	-5.4%
22.2%	10,851	10,424	-427	-3.9%
23.5%	10,567	10,291	-276	-2.6%
24.7%	10,295	10,244	-51	-0.5%
25.9%	10,280	10,186	-93	-0.9%
27.2%	9,917	10,088	172	1.7%
28.4%	9,793	9,903	110	1.1%
29.6%	9,711	9,854	143	1.5%
30.9%	9,501	9,728	226	2.4%
32.1%	9,388	9,638	251	2.7%
33.3%	9,359	9,606	247	2.6%
34.6%	9,241	9,603	362	3.9%
35.8%	9,192	9,422	230	2.5%
37.0%	9,032	8,904	-127	-1.4%
38.3%	8,908	8,815	-93	-1.0%
39.5%	8,657	8,354	-303	-3.5%
40.7%	8,421	8,269	-152	-1.8%
42.0%	8,396	8,139	-257	-3.1%
43.2%	8,153	7,903	-251	-3.1%
44.4%	8,137	7,859	-279	-3.4%
45.7%	7,929	7,829	-100	-1.3%
46.9%	7,907	7,740	-167	-2.1%
48.1%	7,865	7,636	-229	-2.9%
49.4%	7,820	7,562	-258	-3.3%
50.6%	7,677	7,552	-125	-1.6%
51.9%	7,553	7,292	-261	-3.5%
53.1%	7,540	7,255	-285	-3.8%
54.3%	7,387	7,227	-160	-2.2%
55.6%	7,291	7,186	-105	-1.4%
56.8%	7,240	7,135	-105	-1.5%
58.0%	7,219	7,121	-98	-1.4%
59.3%	7,098	6,989	-109	-1.5%
60.5%	7,028	6,917	-111	-1.6%
61.7%	6,913	6,849	-64	-0.9%
63.0%	6,871	6,837	-34	-0.5%
64.2%	6,812	6,831	19	0.3%
65.4%	6,782	6,821	38	0.6%
66.7%	6,688	6,809	121	1.8%
67.9%	6,676	6,806	129	1.9%
69.1%	6,571	6,685	113	1.7%
70.4%	6,435	6,597	162	2.5%
71.6%	6,336	6,573	236	3.7%
72.8%	6,252	6,470	218	3.5%
74.1%	6,246	6,444	198	3.2%
75.3%	6,226	5,881	-345	-5.5%
76.5%	6,215	5,866	-349	-5.6%
77.8%	6,147	5,738	-409	-6.7%
79.0%	5,659	5,664	5	0.1%
80.2%	5,486	5,480	-6	-0.1%
81.5%	5,476	5,372	-104	-1.9%
82.7%	5,215	5,305	90	1.7%
84.0%	5,198	5,225	27	0.5%
85.2%	5,156	5,131	-25	-0.5%
86.4%	5,133	4,805	-328	-6.4%
87.7%	5,048	4,744	-304	-6.0%
88.9%	5,013	4,729	-284	-5.7%
90.1%	4,856	4,719	-136	-2.8%
91.4%	4,801	4,612	-190	-4.0%
92.6%	4,709	4,569	-141	-3.0%
93.8%	4,683	4,486	-197	-4.2%
95.1%	4,646	4,459	-188	-4.0%
96.3%	4,299	4,410	111	2.6%
97.5%	4,236	4,268	32	0.8%
98.8%	4,106	4,237	131	3.2%
100.0%	3,953	3,983	30	0.7%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	50,639	50,217	-422	-0.8%
1.2%	40,890	44,816	3,925	9.6%
2.5%	38,531	38,522	-8	0.0%
3.7%	37,841	37,840	-1	0.0%
4.9%	36,141	35,290	-852	-2.4%
6.2%	35,279	34,720	-559	-1.6%
7.4%	33,508	32,094	-1,414	-4.2%
8.6%	27,964	26,979	-984	-3.5%
9.9%	25,210	26,302	1,092	4.3%
11.1%	24,909	25,211	303	1.2%
12.3%	22,457	22,470	13	0.1%
13.6%	19,712	21,635	1,923	9.8%
14.8%	18,920	18,665	-255	-1.3%
16.0%	18,668	18,481	-187	-1.0%
17.3%	17,642	18,114	472	2.7%
18.5%	17,526	17,529	3	0.0%
19.8%	17,412	17,497	85	0.5%
21.0%	16,623	17,412	789	4.7%
22.2%	16,559	16,075	-484	-2.9%
23.5%	16,070	15,262	-808	-5.0%
24.7%	12,122	12,124	2	0.0%
25.9%	11,674	11,673	-2	0.0%
27.2%	11,446	11,450	3	0.0%
28.4%	10,557	11,312	755	7.2%
29.6%	10,188	10,865	677	6.6%
30.9%	10,097	10,555	458	4.5%
32.1%	10,056	10,441	385	3.8%
33.3%	9,991	10,381	390	3.9%
34.6%	9,886	10,312	426	4.3%
35.8%	9,717	10,102	385	4.0%
37.0%	9,636	9,992	356	3.7%
38.3%	9,452	9,887	435	4.6%
39.5%	9,062	9,707	645	7.1%
40.7%	8,874	9,627	753	8.5%
42.0%	8,630	8,637	7	0.1%
43.2%	8,363	8,364	0	0.0%
44.4%	8,018	8,018	0	0.0%
45.7%	8,003	8,003	0	0.0%
46.9%	7,812	7,884	72	0.9%
48.1%	7,723	7,723	0	0.0%
49.4%	7,676	7,719	43	0.6%
50.6%	7,448	7,676	228	3.1%
51.9%	7,436	7,662	227	3.0%
53.1%	7,371	7,554	183	2.5%
54.3%	7,104	7,551	448	6.3%
55.6%	6,909	7,370	461	6.7%
56.8%	6,883	7,110	227	3.3%
58.0%	6,804	7,062	258	3.8%
59.3%	6,609	6,964	355	5.4%
60.5%	6,509	6,909	399	6.1%
61.7%	6,508	6,800	292	4.5%
63.0%	6,232	6,614	382	6.1%
64.2%	6,202	6,529	327	5.3%
65.4%	6,130	6,513	383	6.3%
66.7%	6,024	6,511	488	8.1%
67.9%	5,746	6,303	557	9.7%
69.1%	5,696	6,277	581	10.2%
70.4%	5,652	6,061	410	7.2%
71.6%	5,552	6,020	468	8.4%
72.8%	5,541	5,750	209	3.8%
74.1%	5,454	5,548	94	1.7%
75.3%	5,450	5,455	5	0.1%
76.5%	5,428	5,448	20	0.4%
77.8%	5,365	5,367	1	0.0%
79.0%	5,346	5,363	17	0.3%
80.2%	5,284	5,354	70	1.3%
81.5%	5,259	5,274	15	0.3%
82.7%	5,255	5,250	-5	-0.1%
84.0%	5,109	5,232	123	2.4%
85.2%	5,107	5,133	25	0.5%
86.4%	4,964	4,958	-6	-0.1%
87.7%	4,964	4,957	-7	-0.1%
88.9%	4,934	4,927	-6	-0.1%
90.1%	4,786	4,785	0	0.0%
91.4%	4,782	4,774	-8	-0.2%
92.6%	4,777	4,760	-16	-0.3%
93.8%	4,740	4,759	19	0.4%
95.1%	4,711	4,738	27	0.6%
96.3%	4,203	4,730	527	12.5%
97.5%	4,193	4,208	15	0.4%
98.8%	4,156	4,200	44	1.1%
100.0%	3,983	4,193	211	5.3%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	83,564	83,594	30	0.0%
1.2%	70,377	70,381	4	0.0%
2.5%	68,954	68,963	9	0.0%
3.7%	65,454	65,448	-6	0.0%
4.9%	61,081	62,176	1,095	1.8%
6.2%	53,961	53,972	12	0.0%
7.4%	46,330	46,944	615	1.3%
8.6%	42,110	41,243	-867	-2.1%
9.9%	38,921	38,926	5	0.0%
11.1%	38,297	38,297	0	0.0%
12.3%	36,064	35,315	-748	-2.1%
13.6%	34,194	34,195	1	0.0%
14.8%	34,106	33,000	-1,106	-3.2%
16.0%	32,395	32,258	-136	-0.4%
17.3%	30,910	30,922	11	0.0%
18.5%	25,847	26,085	239	0.9%
19.8%	25,743	25,747	4	0.0%
21.0%	23,578	24,320	741	3.1%
22.2%	22,587	23,387	801	3.5%
23.5%	22,442	22,420	-21	-0.1%
24.7%	22,233	22,213	-20	-0.1%
25.9%	22,011	22,008	-2	0.0%
27.2%	21,801	21,438	-364	-1.7%
28.4%	20,818	20,806	-12	-0.1%
29.6%	20,156	20,164	8	0.0%
30.9%	19,087	20,049	962	5.0%
32.1%	18,660	18,780	121	0.6%
33.3%	18,387	18,649	261	1.4%
34.6%	16,914	18,388	1,474	8.7%
35.8%	16,299	16,292	-7	0.0%
37.0%	14,329	14,328	0	0.0%
38.3%	13,928	13,926	-2	0.0%
39.5%	13,304	13,298	-6	0.0%
40.7%	13,268	13,234	-34	-0.3%
42.0%	13,019	13,020	1	0.0%
43.2%	12,558	12,561	4	0.0%
44.4%	11,822	11,823	1	0.0%
45.7%	11,447	11,447	1	0.0%
46.9%	11,046	11,040	-6	-0.1%
48.1%	10,415	10,417	2	0.0%
49.4%	10,030	10,028	-2	0.0%
50.6%	9,880	9,882	2	0.0%
51.9%	9,538	9,526	-11	-0.1%
53.1%	9,384	9,410	26	0.3%
54.3%	9,096	9,385	289	3.2%
55.6%	8,797	9,098	301	3.4%
56.8%	8,711	8,793	81	0.9%
58.0%	8,525	8,524	-1	0.0%
59.3%	8,428	8,420	-8	-0.1%
60.5%	8,292	8,279	-12	-0.2%
61.7%	8,279	8,278	-1	0.0%
63.0%	8,066	8,064	-2	0.0%
64.2%	7,750	7,750	0	0.0%
65.4%	7,696	7,700	4	0.0%
66.7%	7,323	7,606	283	3.9%
67.9%	7,308	7,469	160	2.2%
69.1%	7,254	7,304	50	0.7%
70.4%	7,112	7,257	145	2.0%
71.6%	7,020	7,017	-2	0.0%
72.8%	6,945	6,943	-2	0.0%
74.1%	6,911	6,912	1	0.0%
75.3%	6,755	6,751	-5	-0.1%
76.5%	6,508	6,724	216	3.3%
77.8%	6,470	6,526	57	0.9%
79.0%	6,273	6,511	238	3.8%
80.2%	6,230	6,413	183	2.9%
81.5%	6,137	6,137	0	0.0%
82.7%	6,086	6,129	44	0.7%
84.0%	6,082	6,081	-1	0.0%
85.2%	6,013	6,014	2	0.0%
86.4%	5,585	5,592	7	0.1%
87.7%	5,573	5,561	-12	-0.2%
88.9%	5,475	5,475	0	0.0%
90.1%	5,330	5,312	-18	-0.3%
91.4%	5,241	5,239	-1	0.0%
92.6%	5,024	5,071	47	0.9%
93.8%	5,018	5,009	-9	-0.2%
95.1%	4,930	5,008	79	1.6%
96.3%	4,626	4,669	43	0.9%
97.5%	4,538	4,534	-4	-0.1%
98.8%	4,182	4,182	0	0.0%
100.0%	4,082	4,078	-3	-0.1%

Table SW-11-b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	96,195	96,198	3	0.0%
1.2%	91,807	91,814	6	0.0%
2.5%	67,869	67,871	3	0.0%
3.7%	64,895	65,941	1,046	1.6%
4.9%	63,317	63,334	16	0.0%
6.2%	60,923	60,923	0	0.0%
7.4%	55,752	55,751	-1	0.0%
8.6%	49,603	49,605	2	0.0%
9.9%	47,788	49,208	1,420	3.0%
11.1%	47,034	47,793	759	1.6%
12.3%	46,522	47,056	533	1.1%
13.6%	46,239	46,183	-57	-0.1%
14.8%	44,669	44,669	0	0.0%
16.0%	43,132	43,132	0	0.0%
17.3%	42,246	42,245	-1	0.0%
18.5%	36,114	36,117	3	0.0%
19.8%	35,792	35,771	-21	-0.1%
21.0%	34,587	34,586	-1	0.0%
22.2%	34,353	34,358	5	0.0%
23.5%	30,197	30,200	3	0.0%
24.7%	29,829	29,824	-5	0.0%
25.9%	25,435	28,140	2,705	10.6%
27.2%	23,863	25,434	1,571	6.6%
28.4%	23,364	24,202	839	3.6%
29.6%	22,627	23,359	733	3.2%
30.9%	21,701	22,454	753	3.5%
32.1%	21,217	22,243	1,026	4.8%
33.3%	20,196	20,035	-161	-0.8%
34.6%	17,087	17,087	0	0.0%
35.8%	16,073	16,071	-3	0.0%
37.0%	15,185	14,964	-222	-1.5%
38.3%	14,969	14,940	-28	-0.2%
39.5%	14,683	14,440	-243	-1.7%
40.7%	14,438	14,117	-321	-2.2%
42.0%	14,117	13,327	-790	-5.6%
43.2%	13,328	13,324	-5	0.0%
44.4%	13,317	12,951	-366	-2.7%
45.7%	12,955	12,694	-261	-2.0%
46.9%	12,285	12,443	158	1.3%
48.1%	12,194	12,285	91	0.7%
49.4%	11,613	11,617	4	0.0%
50.6%	11,538	11,541	3	0.0%
51.9%	11,223	11,217	-6	0.0%
53.1%	10,847	10,850	3	0.0%
54.3%	10,612	10,613	1	0.0%
55.6%	10,331	10,486	156	1.5%
56.8%	10,033	10,331	298	3.0%
58.0%	9,988	10,031	43	0.4%
59.3%	9,936	9,939	2	0.0%
60.5%	9,721	9,720	-1	0.0%
61.7%	9,212	9,214	2	0.0%
63.0%	8,806	8,798	-9	-0.1%
64.2%	8,776	8,776	1	0.0%
65.4%	8,448	8,449	1	0.0%
66.7%	8,447	8,449	1	0.0%
67.9%	8,163	8,320	157	1.9%
69.1%	8,125	8,205	80	1.0%
70.4%	8,003	8,165	163	2.0%
71.6%	7,746	8,162	417	5.4%
72.8%	7,728	8,125	397	5.1%
74.1%	7,459	8,007	547	7.3%
75.3%	7,242	7,745	502	6.9%
76.5%	7,206	7,461	254	3.5%
77.8%	6,957	7,246	289	4.2%
79.0%	6,934	7,206	272	3.9%
80.2%	6,818	6,940	123	1.8%
81.5%	6,715	6,816	101	1.5%
82.7%	6,550	6,721	171	2.6%
84.0%	5,934	6,555	621	10.5%
85.2%	5,803	5,932	129	2.2%
86.4%	5,595	5,805	210	3.8%
87.7%	5,341	5,612	271	5.1%
88.9%	5,315	5,546	231	4.3%
90.1%	5,277	5,340	63	1.2%
91.4%	5,253	5,315	62	1.2%
92.6%	5,221	5,275	54	1.0%
93.8%	5,037	5,253	216	4.3%
95.1%	4,800	5,220	420	8.7%
96.3%	4,666	5,040	374	8.0%
97.5%	4,487	4,801	315	7.0%
98.8%	4,424	4,662	238	5.4%
100.0%	4,421	4,429	8	0.2%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85,259	85,260	0	0.0%
1.2%	78,609	78,612	3	0.0%
2.5%	58,308	58,309	2	0.0%
3.7%	50,260	50,262	2	0.0%
4.9%	39,261	38,864	-396	-1.0%
6.2%	37,371	37,366	-5	0.0%
7.4%	35,389	35,393	4	0.0%
8.6%	35,174	34,304	-870	-2.5%
9.9%	34,322	33,693	-630	-1.8%
11.1%	29,847	29,847	0	0.0%
12.3%	25,305	25,307	3	0.0%
13.6%	22,954	22,953	-1	0.0%
14.8%	22,326	22,410	84	0.4%
16.0%	22,165	22,325	160	0.7%
17.3%	21,866	22,165	299	1.4%
18.5%	21,463	21,868	405	1.9%
19.8%	20,756	20,675	-81	-0.4%
21.0%	20,454	20,563	109	0.5%
22.2%	19,796	19,719	-77	-0.4%
23.5%	19,764	19,235	-529	-2.7%
24.7%	19,235	18,709	-527	-2.7%
25.9%	18,707	18,410	-297	-1.6%
27.2%	17,092	17,093	1	0.0%
28.4%	16,228	16,497	270	1.7%
29.6%	14,326	15,395	1,069	7.5%
30.9%	14,218	14,216	-2	0.0%
32.1%	14,090	14,091	1	0.0%
33.3%	13,929	13,948	19	0.1%
34.6%	13,794	13,792	-2	0.0%
35.8%	13,276	13,274	-1	0.0%
37.0%	13,128	12,994	-134	-1.0%
38.3%	13,006	12,828	-179	-1.4%
39.5%	12,384	12,473	89	0.7%
40.7%	11,162	11,962	799	7.2%
42.0%	10,755	11,163	408	3.8%
43.2%	10,742	10,777	35	0.3%
44.4%	10,642	10,756	114	1.1%
45.7%	10,112	10,743	632	6.2%
46.9%	10,033	10,001	-32	-0.3%
48.1%	9,856	9,851	-6	-0.1%
49.4%	9,814	9,817	2	0.0%
50.6%	9,252	9,254	1	0.0%
51.9%	9,222	9,219	-3	0.0%
53.1%	9,111	9,111	0	0.0%
54.3%	9,026	9,017	-9	-0.1%
55.6%	8,889	8,979	89	1.0%
56.8%	8,790	8,887	96	1.1%
58.0%	8,744	8,790	46	0.5%
59.3%	8,538	8,736	198	2.3%
60.5%	8,425	8,416	-9	-0.1%
61.7%	8,002	8,008	6	0.1%
63.0%	7,878	8,001	123	1.6%
64.2%	7,849	7,905	57	0.7%
65.4%	7,844	7,842	-2	0.0%
66.7%	7,797	7,799	2	0.0%
67.9%	7,746	7,748	2	0.0%
69.1%	7,678	7,682	4	0.0%
70.4%	7,651	7,650	-1	0.0%
71.6%	7,510	7,509	-1	0.0%
72.8%	7,478	7,480	2	0.0%
74.1%	7,450	7,450	0	0.0%
75.3%	7,266	7,266	0	0.0%
76.5%	7,147	7,155	8	0.1%
77.8%	6,977	7,051	74	1.1%
79.0%	6,734	6,978	244	3.6%
80.2%	6,618	6,737	119	1.8%
81.5%	6,507	6,621	113	1.7%
82.7%	6,417	6,507	90	1.4%
84.0%	6,347	6,402	55	0.9%
85.2%	6,150	6,348	199	3.2%
86.4%	5,936	6,152	217	3.6%
87.7%	5,656	6,124	468	8.3%
88.9%	5,614	6,016	402	7.2%
90.1%	5,440	5,863	422	7.8%
91.4%	5,414	5,416	2	0.0%
92.6%	5,383	5,337	-45	-0.8%
93.8%	5,336	5,171	-164	-3.1%
95.1%	5,016	4,866	-151	-3.0%
96.3%	4,866	4,774	-93	-1.9%
97.5%	4,773	4,723	-50	-1.1%
98.8%	4,543	4,565	22	0.5%
100.0%	4,474	4,480	5	0.1%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,544	41,545	1	0.0%
1.2%	32,544	32,544	0	0.0%
2.5%	26,955	26,958	3	0.0%
3.7%	22,882	22,881	-1	0.0%
4.9%	22,055	22,055	0	0.0%
6.2%	19,221	19,221	0	0.0%
7.4%	17,040	16,857	-182	-1.1%
8.6%	15,965	15,967	2	0.0%
9.9%	14,080	14,744	664	4.7%
11.1%	14,044	14,081	37	0.3%
12.3%	13,542	14,046	504	3.7%
13.6%	12,745	13,542	797	6.2%
14.8%	12,385	12,745	360	2.9%
16.0%	12,184	12,156	-28	-0.2%
17.3%	11,970	12,078	108	0.9%
18.5%	11,646	11,724	78	0.7%
19.8%	11,469	11,648	179	1.6%
21.0%	11,194	11,473	279	2.5%
22.2%	10,669	10,670	0	0.0%
23.5%	10,620	10,222	-398	-3.7%
24.7%	10,619	10,027	-591	-5.6%
25.9%	10,558	9,923	-635	-6.0%
27.2%	10,028	9,918	-110	-1.1%
28.4%	9,916	9,665	-251	-2.5%
29.6%	9,821	9,660	-160	-1.6%
30.9%	9,743	9,576	-167	-1.7%
32.1%	9,604	9,513	-91	-1.0%
33.3%	9,432	9,506	73	0.8%
34.6%	9,367	9,475	107	1.1%
35.8%	9,330	9,379	48	0.5%
37.0%	9,263	9,303	41	0.4%
38.3%	9,234	9,296	62	0.7%
39.5%	9,113	9,168	56	0.6%
40.7%	9,049	9,057	8	0.1%
42.0%	9,009	8,919	-90	-1.0%
43.2%	8,837	8,856	19	0.2%
44.4%	8,812	8,815	3	0.0%
45.7%	8,704	8,786	82	0.9%
46.9%	8,538	8,692	154	1.8%
48.1%	8,525	8,617	92	1.1%
49.4%	8,459	8,538	79	0.9%
50.6%	8,397	8,516	118	1.4%
51.9%	8,383	8,323	-60	-0.7%
53.1%	8,377	8,175	-202	-2.4%
54.3%	8,175	8,164	-11	-0.1%
55.6%	8,099	8,136	36	0.4%
56.8%	8,075	8,121	45	0.6%
58.0%	8,063	8,088	25	0.3%
59.3%	8,049	7,975	-73	-0.9%
60.5%	8,046	7,833	-213	-2.7%
61.7%	8,020	7,828	-192	-2.4%
63.0%	8,002	7,795	-208	-2.6%
64.2%	7,975	7,747	-228	-2.9%
65.4%	7,961	7,698	-263	-3.3%
66.7%	7,767	7,495	-272	-3.5%
67.9%	7,734	7,488	-246	-3.2%
69.1%	7,709	7,377	-333	-4.3%
70.4%	7,667	7,342	-325	-4.2%
71.6%	7,580	7,285	-295	-3.9%
72.8%	7,397	7,284	-113	-1.5%
74.1%	7,354	7,206	-148	-2.0%
75.3%	7,237	7,127	-109	-1.5%
76.5%	7,194	7,085	-109	-1.5%
77.8%	7,133	7,025	-108	-1.5%
79.0%	7,107	7,018	-90	-1.3%
80.2%	7,052	6,779	-272	-3.9%
81.5%	7,002	6,752	-249	-3.6%
82.7%	6,872	6,710	-161	-2.3%
84.0%	6,821	6,690	-131	-1.9%
85.2%	6,714	6,520	-194	-2.9%
86.4%	6,713	6,507	-206	-3.1%
87.7%	6,584	6,429	-155	-2.4%
88.9%	6,521	6,425	-96	-1.5%
90.1%	6,415	6,415	0	0.0%
91.4%	6,328	6,330	2	0.0%
92.6%	6,276	6,229	-47	-0.7%
93.8%	6,230	6,206	-24	-0.4%
95.1%	6,139	6,158	20	0.3%
96.3%	5,967	6,118	150	2.5%
97.5%	5,407	6,022	615	11.4%
98.8%	5,320	5,991	672	12.6%
100.0%	4,657	4,666	9	0.2%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,227	16,352	125	0.8%
1.2%	14,007	14,009	2	0.0%
2.5%	13,197	12,860	-338	-2.6%
3.7%	12,877	12,789	-89	-0.7%
4.9%	12,767	12,658	-109	-0.9%
6.2%	12,640	12,639	-1	0.0%
7.4%	12,608	12,556	-51	-0.4%
8.6%	12,478	12,511	33	0.3%
9.9%	11,954	12,422	468	3.9%
11.1%	11,699	11,592	-106	-0.9%
12.3%	11,373	11,319	-54	-0.5%
13.6%	11,159	11,054	-105	-0.9%
14.8%	11,077	10,939	-139	-1.3%
16.0%	11,049	10,768	-281	-2.5%
17.3%	10,830	10,718	-112	-1.0%
18.5%	10,813	10,658	-155	-1.4%
19.8%	10,687	10,418	-269	-2.5%
21.0%	10,684	10,252	-432	-4.0%
22.2%	10,233	10,071	-162	-1.6%
23.5%	10,165	9,927	-237	-2.3%
24.7%	10,069	9,869	-200	-2.0%
25.9%	9,864	9,844	-20	-0.2%
27.2%	9,823	9,821	-2	0.0%
28.4%	9,759	9,737	-23	-0.2%
29.6%	9,693	9,734	42	0.4%
30.9%	9,627	9,634	7	0.1%
32.1%	9,608	9,595	-13	-0.1%
33.3%	9,606	9,492	-114	-1.2%
34.6%	9,574	9,455	-119	-1.2%
35.8%	9,551	9,340	-211	-2.2%
37.0%	9,534	9,268	-266	-2.8%
38.3%	9,410	9,113	-296	-3.1%
39.5%	9,323	8,938	-385	-4.1%
40.7%	9,206	8,890	-316	-3.4%
42.0%	9,194	8,866	-328	-3.6%
43.2%	9,168	8,795	-374	-4.1%
44.4%	9,118	8,715	-403	-4.4%
45.7%	9,052	8,574	-478	-5.3%
46.9%	8,959	8,560	-399	-4.5%
48.1%	8,866	8,467	-400	-4.5%
49.4%	8,853	8,438	-415	-4.7%
50.6%	8,834	8,366	-468	-5.3%
51.9%	8,749	8,348	-401	-4.6%
53.1%	8,683	8,285	-398	-4.6%
54.3%	8,654	7,980	-674	-7.8%
55.6%	8,652	7,898	-754	-8.7%
56.8%	8,520	7,879	-641	-7.5%
58.0%	8,503	7,837	-667	-7.8%
59.3%	8,412	7,833	-579	-6.9%
60.5%	8,392	7,743	-649	-7.7%
61.7%	8,385	7,733	-652	-7.8%
63.0%	8,352	7,595	-757	-9.1%
64.2%	8,293	7,585	-708	-8.5%
65.4%	8,121	7,510	-611	-7.5%
66.7%	8,113	7,432	-681	-8.4%
67.9%	8,050	7,355	-695	-8.6%
69.1%	8,030	7,297	-733	-9.1%
70.4%	8,013	7,206	-808	-10.1%
71.6%	7,916	7,136	-780	-9.8%
72.8%	7,891	7,122	-768	-9.7%
74.1%	7,817	7,079	-738	-9.4%
75.3%	7,748	7,075	-673	-8.7%
76.5%	7,729	7,054	-675	-8.7%
77.8%	7,699	7,003	-696	-9.0%
79.0%	7,653	6,998	-656	-8.6%
80.2%	7,651	6,959	-692	-9.0%
81.5%	7,471	6,953	-517	-6.9%
82.7%	7,445	6,867	-578	-7.8%
84.0%	7,372	6,815	-557	-7.6%
85.2%	7,256	6,810	-446	-6.1%
86.4%	7,224	6,773	-451	-6.2%
87.7%	7,220	6,727	-493	-6.8%
88.9%	7,194	6,689	-505	-7.0%
90.1%	7,089	6,527	-562	-7.9%
91.4%	7,087	6,488	-599	-8.5%
92.6%	7,012	6,478	-534	-7.6%
93.8%	6,987	6,435	-552	-7.9%
95.1%	6,987	6,288	-699	-10.0%
96.3%	6,983	6,210	-772	-11.1%
97.5%	6,925	6,148	-778	-11.2%
98.8%	6,764	5,136	-1,628	-24.1%
100.0%	4,006	4,582	576	14.4%

Table SW-11-b

Sacramento River at Bend Bridge, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,523	15,522	-1	0.0%
1.2%	15,514	15,441	-73	-0.5%
2.5%	15,488	14,862	-626	-4.0%
3.7%	15,439	14,775	-665	-4.3%
4.9%	15,155	14,665	-491	-3.2%
6.2%	15,129	14,538	-591	-3.9%
7.4%	15,081	14,536	-544	-3.6%
8.6%	15,078	14,284	-794	-5.3%
9.9%	15,041	14,159	-882	-5.9%
11.1%	14,530	14,129	-401	-2.8%
12.3%	14,499	13,862	-637	-4.4%
13.6%	14,428	13,835	-593	-4.1%
14.8%	14,395	13,790	-605	-4.2%
16.0%	14,393	13,759	-634	-4.4%
17.3%	14,368	13,738	-630	-4.4%
18.5%	14,368	13,582	-785	-5.5%
19.8%	14,352	13,493	-859	-6.0%
21.0%	14,218	13,399	-819	-5.8%
22.2%	14,152	13,387	-766	-5.4%
23.5%	14,120	13,329	-792	-5.6%
24.7%	14,046	13,159	-887	-6.3%
25.9%	14,032	13,123	-909	-6.5%
27.2%	13,999	13,085	-914	-6.5%
28.4%	13,859	13,042	-817	-5.9%
29.6%	13,811	13,012	-799	-5.8%
30.9%	13,743	12,993	-751	-5.5%
32.1%	13,728	12,943	-785	-5.7%
33.3%	13,636	12,894	-742	-5.4%
34.6%	13,536	12,850	-686	-5.1%
35.8%	13,298	12,672	-626	-4.7%
37.0%	13,180	12,553	-627	-4.8%
38.3%	13,130	12,543	-588	-4.5%
39.5%	13,088	12,528	-560	-4.3%
40.7%	12,982	12,427	-555	-4.3%
42.0%	12,976	12,401	-575	-4.4%
43.2%	12,900	12,366	-533	-4.1%
44.4%	12,719	12,361	-358	-2.8%
45.7%	12,686	12,264	-422	-3.3%
46.9%	12,680	12,085	-595	-4.7%
48.1%	12,661	12,034	-627	-5.0%
49.4%	12,637	12,001	-636	-5.0%
50.6%	12,452	11,975	-477	-3.8%
51.9%	12,412	11,874	-538	-4.3%
53.1%	12,389	11,830	-559	-4.5%
54.3%	12,349	11,802	-547	-4.4%
55.6%	12,276	11,705	-571	-4.6%
56.8%	12,250	11,633	-617	-5.0%
58.0%	12,241	11,622	-619	-5.1%
59.3%	11,991	11,594	-397	-3.3%
60.5%	11,985	11,442	-542	-4.5%
61.7%	11,737	11,440	-297	-2.5%
63.0%	11,579	11,330	-249	-2.2%
64.2%	11,487	11,289	-199	-1.7%
65.4%	11,484	11,270	-214	-1.9%
66.7%	11,462	11,220	-242	-2.1%
67.9%	11,300	11,148	-152	-1.3%
69.1%	11,260	11,113	-146	-1.3%
70.4%	11,145	11,066	-80	-0.7%
71.6%	10,937	10,983	46	0.4%
72.8%	10,903	10,869	-34	-0.3%
74.1%	10,885	10,784	-101	-0.9%
75.3%	10,852	10,679	-173	-1.6%
76.5%	10,811	10,629	-181	-1.7%
77.8%	10,797	10,346	-451	-4.2%
79.0%	10,774	10,217	-557	-5.2%
80.2%	10,702	10,145	-557	-5.2%
81.5%	10,633	10,116	-518	-4.9%
82.7%	10,561	10,030	-531	-5.0%
84.0%	10,534	10,018	-516	-4.9%
85.2%	10,177	10,000	-177	-1.7%
86.4%	10,109	9,983	-127	-1.3%
87.7%	9,959	9,729	-230	-2.3%
88.9%	9,910	9,691	-219	-2.2%
90.1%	9,899	9,641	-258	-2.6%
91.4%	9,898	9,640	-258	-2.6%
92.6%	9,882	9,456	-426	-4.3%
93.8%	9,669	9,236	-433	-4.5%
95.1%	9,577	8,872	-705	-7.4%
96.3%	9,346	8,865	-481	-5.1%
97.5%	9,110	8,689	-420	-4.6%
98.8%	8,963	8,299	-664	-7.4%
100.0%	8,577	7,253	-1,325	-15.4%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,161	20,445	4,284	26.5%
1.2%	15,847	20,068	4,220	26.6%
2.5%	15,795	19,339	3,544	22.4%
3.7%	15,594	19,055	3,462	22.2%
4.9%	15,574	19,006	3,431	22.0%
6.2%	15,547	18,999	3,451	22.2%
7.4%	15,496	18,710	3,214	20.7%
8.6%	15,493	18,173	2,680	17.3%
9.9%	15,492	16,918	1,426	9.2%
11.1%	15,460	16,285	825	5.3%
12.3%	15,422	15,932	510	3.3%
13.6%	15,364	15,630	266	1.7%
14.8%	15,353	15,607	255	1.7%
16.0%	15,348	15,598	250	1.6%
17.3%	15,330	15,585	255	1.7%
18.5%	15,322	15,557	235	1.5%
19.8%	15,268	15,494	226	1.5%
21.0%	15,259	15,492	233	1.5%
22.2%	15,257	15,457	200	1.3%
23.5%	15,254	15,420	166	1.1%
24.7%	15,240	15,414	174	1.1%
25.9%	15,208	15,386	178	1.2%
27.2%	15,186	15,362	176	1.2%
28.4%	15,166	15,349	183	1.2%
29.6%	15,140	15,265	124	0.8%
30.9%	15,137	15,261	124	0.8%
32.1%	15,123	15,256	133	0.9%
33.3%	15,083	15,248	166	1.1%
34.6%	15,069	15,244	175	1.2%
35.8%	15,048	15,204	156	1.0%
37.0%	15,046	15,188	142	0.9%
38.3%	15,012	15,177	165	1.1%
39.5%	15,012	15,071	59	0.4%
40.7%	15,011	15,049	38	0.3%
42.0%	14,995	15,048	53	0.4%
43.2%	14,994	15,014	20	0.1%
44.4%	14,983	14,957	-26	-0.2%
45.7%	14,951	14,948	-3	0.0%
46.9%	14,940	14,873	-67	-0.4%
48.1%	14,872	14,856	-16	-0.1%
49.4%	14,743	14,791	48	0.3%
50.6%	14,737	14,739	2	0.0%
51.9%	14,732	14,713	-19	-0.1%
53.1%	14,725	14,636	-89	-0.6%
54.3%	14,703	14,455	-248	-1.7%
55.6%	14,655	14,393	-262	-1.8%
56.8%	14,619	14,330	-289	-2.0%
58.0%	14,454	14,312	-143	-1.0%
59.3%	14,407	14,298	-109	-0.8%
60.5%	14,393	14,246	-148	-1.0%
61.7%	14,379	14,179	-200	-1.4%
63.0%	14,355	14,055	-301	-2.1%
64.2%	14,295	13,974	-320	-2.2%
65.4%	14,266	13,956	-310	-2.2%
66.7%	14,256	13,902	-354	-2.5%
67.9%	14,006	13,747	-259	-1.8%
69.1%	13,924	13,679	-245	-1.8%
70.4%	13,605	13,567	-38	-0.3%
71.6%	13,463	13,549	86	0.6%
72.8%	13,313	13,492	179	1.3%
74.1%	13,236	13,424	187	1.4%
75.3%	13,225	13,362	137	1.0%
76.5%	13,217	13,319	102	0.8%
77.8%	13,191	13,288	96	0.7%
79.0%	13,180	13,215	35	0.3%
80.2%	13,074	13,142	68	0.5%
81.5%	12,623	12,831	208	1.6%
82.7%	12,299	12,794	495	4.0%
84.0%	12,232	12,236	4	0.0%
85.2%	12,211	12,009	-203	-1.7%
86.4%	12,184	11,835	-349	-2.9%
87.7%	11,995	11,818	-178	-1.5%
88.9%	11,469	11,606	137	1.2%
90.1%	11,308	11,586	277	2.4%
91.4%	11,155	11,578	424	3.8%
92.6%	11,127	11,495	368	3.3%
93.8%	10,966	11,443	477	4.3%
95.1%	10,158	11,419	1,261	12.4%
96.3%	9,550	11,293	1,742	18.2%
97.5%	9,394	11,035	1,641	17.5%
98.8%	8,648	9,758	1,110	12.8%
100.0%	6,814	6,919	106	1.5%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,509	12,733	-775	-5.7%
1.2%	13,495	12,472	-1,023	-7.6%
2.5%	12,836	11,993	-843	-6.6%
3.7%	12,569	11,959	-610	-4.9%
4.9%	12,423	11,908	-515	-4.1%
6.2%	12,362	11,866	-497	-4.0%
7.4%	12,101	11,728	-373	-3.1%
8.6%	12,095	11,630	-465	-3.8%
9.9%	12,058	11,527	-531	-4.4%
11.1%	12,043	11,393	-649	-5.4%
12.3%	11,883	11,385	-498	-4.2%
13.6%	11,585	11,277	-309	-2.7%
14.8%	11,474	10,964	-510	-4.4%
16.0%	11,419	10,882	-537	-4.7%
17.3%	11,333	10,813	-520	-4.6%
18.5%	11,317	10,748	-569	-5.0%
19.8%	11,114	10,744	-370	-3.3%
21.0%	11,048	10,736	-311	-2.8%
22.2%	11,042	10,665	-376	-3.4%
23.5%	11,018	10,656	-362	-3.3%
24.7%	11,003	10,628	-375	-3.4%
25.9%	10,938	10,627	-311	-2.8%
27.2%	10,828	10,610	-218	-2.0%
28.4%	10,820	10,600	-220	-2.0%
29.6%	10,759	10,566	-193	-1.8%
30.9%	10,732	10,554	-178	-1.7%
32.1%	10,716	10,518	-198	-1.8%
33.3%	10,659	10,513	-146	-1.4%
34.6%	10,568	10,502	-65	-0.6%
35.8%	10,535	10,460	-76	-0.7%
37.0%	10,506	10,421	-85	-0.8%
38.3%	10,484	10,418	-66	-0.6%
39.5%	10,474	10,394	-81	-0.8%
40.7%	10,450	10,349	-101	-1.0%
42.0%	10,330	10,319	-11	-0.1%
43.2%	10,326	10,316	-10	-0.1%
44.4%	10,180	10,289	109	1.1%
45.7%	9,903	10,264	361	3.6%
46.9%	9,815	10,248	433	4.4%
48.1%	9,680	10,173	493	5.1%
49.4%	9,592	10,169	577	6.0%
50.6%	9,561	10,142	582	6.1%
51.9%	9,512	10,134	621	6.5%
53.1%	9,487	10,116	630	6.6%
54.3%	9,472	10,006	534	5.6%
55.6%	9,442	9,982	540	5.7%
56.8%	9,410	9,931	521	5.5%
58.0%	9,403	9,922	518	5.5%
59.3%	9,289	9,877	589	6.3%
60.5%	9,286	9,877	591	6.4%
61.7%	9,197	9,872	676	7.3%
63.0%	9,184	9,850	666	7.2%
64.2%	9,139	9,836	697	7.6%
65.4%	9,118	9,835	716	7.9%
66.7%	9,055	9,831	776	8.6%
67.9%	9,036	9,786	751	8.3%
69.1%	9,028	9,671	643	7.1%
70.4%	8,982	9,664	683	7.6%
71.6%	8,928	9,642	714	8.0%
72.8%	8,880	9,634	754	8.5%
74.1%	8,869	9,610	741	8.4%
75.3%	8,844	9,597	753	8.5%
76.5%	8,816	9,560	744	8.4%
77.8%	8,799	9,514	715	8.1%
79.0%	8,696	9,492	797	9.2%
80.2%	8,649	9,474	825	9.5%
81.5%	8,590	9,456	865	10.1%
82.7%	8,579	9,401	821	9.6%
84.0%	8,543	9,360	817	9.6%
85.2%	8,530	9,278	748	8.8%
86.4%	8,489	9,213	724	8.5%
87.7%	8,462	9,195	733	8.7%
88.9%	8,368	9,111	743	8.9%
90.1%	8,216	9,048	832	10.1%
91.4%	8,157	9,027	869	10.7%
92.6%	8,138	8,769	631	7.8%
93.8%	8,010	8,674	663	8.3%
95.1%	7,941	8,580	639	8.0%
96.3%	7,828	8,425	597	7.6%
97.5%	7,814	8,015	200	2.6%
98.8%	6,779	7,562	783	11.6%
100.0%	3,573	3,834	260	7.3%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,890	16,601	711	4.5%
1.2%	15,835	16,131	297	1.9%
2.5%	15,824	15,807	-17	-0.1%
3.7%	15,588	15,677	89	0.6%
4.9%	15,553	15,646	93	0.6%
6.2%	15,508	15,501	-7	0.0%
7.4%	15,453	15,387	-65	-0.4%
8.6%	15,315	15,365	50	0.3%
9.9%	15,169	15,212	43	0.3%
11.1%	15,128	15,157	29	0.2%
12.3%	15,127	15,100	-26	-0.2%
13.6%	15,098	15,044	-54	-0.4%
14.8%	15,058	15,030	-28	-0.2%
16.0%	15,029	14,904	-126	-0.8%
17.3%	15,006	14,721	-285	-1.9%
18.5%	14,959	14,711	-248	-1.7%
19.8%	14,959	14,587	-371	-2.5%
21.0%	14,940	14,166	-774	-5.2%
22.2%	14,481	13,855	-626	-4.3%
23.5%	13,776	13,322	-454	-3.3%
24.7%	13,411	13,010	-401	-3.0%
25.9%	13,205	12,868	-337	-2.6%
27.2%	13,037	12,324	-713	-5.5%
28.4%	12,673	12,086	-587	-4.6%
29.6%	12,233	11,353	-880	-7.2%
30.9%	12,120	11,123	-997	-8.2%
32.1%	11,956	10,150	-1,806	-15.1%
33.3%	11,614	9,756	-1,858	-16.0%
34.6%	10,744	9,168	-1,576	-14.7%
35.8%	10,267	8,224	-2,043	-19.9%
37.0%	10,000	8,143	-1,858	-18.6%
38.3%	9,872	8,002	-1,870	-18.9%
39.5%	8,720	7,857	-863	-9.9%
40.7%	8,716	7,553	-1,163	-13.3%
42.0%	8,415	7,357	-1,058	-12.6%
43.2%	8,162	7,043	-1,118	-13.7%
44.4%	7,640	6,886	-754	-9.9%
45.7%	7,078	6,840	-238	-3.4%
46.9%	6,977	6,817	-159	-2.3%
48.1%	6,954	6,812	-143	-2.1%
49.4%	6,539	6,808	269	4.1%
50.6%	6,435	6,618	184	2.9%
51.9%	6,193	6,587	393	6.4%
53.1%	6,168	6,545	377	6.1%
54.3%	6,011	6,492	481	8.0%
55.6%	5,745	6,427	682	11.9%
56.8%	5,722	6,423	701	12.2%
58.0%	5,675	6,411	735	13.0%
59.3%	5,665	6,351	686	12.1%
60.5%	5,645	6,330	685	12.1%
61.7%	5,464	6,330	866	15.8%
63.0%	5,409	6,299	891	16.5%
64.2%	5,397	6,244	847	15.7%
65.4%	5,119	6,230	1,111	21.7%
66.7%	5,094	6,180	1,085	21.3%
67.9%	5,057	6,168	1,111	22.0%
69.1%	5,016	6,143	1,126	22.5%
70.4%	4,900	6,131	1,230	25.1%
71.6%	4,856	6,069	1,214	25.0%
72.8%	4,836	6,035	1,199	24.8%
74.1%	4,828	6,021	1,193	24.7%
75.3%	4,798	5,964	1,166	24.3%
76.5%	4,746	5,898	1,151	24.3%
77.8%	4,637	5,851	1,214	26.2%
79.0%	4,583	5,850	1,267	27.6%
80.2%	4,562	5,819	1,258	27.6%
81.5%	4,560	5,791	1,231	27.0%
82.7%	4,543	5,666	1,123	24.7%
84.0%	4,541	5,642	1,100	24.2%
85.2%	4,526	5,626	1,101	24.3%
86.4%	4,498	5,621	1,123	25.0%
87.7%	4,495	5,582	1,086	24.2%
88.9%	4,420	5,545	1,125	25.4%
90.1%	4,330	5,494	1,164	26.9%
91.4%	4,296	5,419	1,123	26.1%
92.6%	4,226	5,330	1,104	26.1%
93.8%	4,141	5,245	1,104	26.7%
95.1%	4,129	5,197	1,068	25.9%
96.3%	4,081	5,144	1,063	26.1%
97.5%	3,951	5,085	1,134	28.7%
98.8%	3,898	5,050	1,152	29.6%
100.0%	3,693	4,705	1,012	27.4%

Figure SW-12-b
Sacramento River below Red Bluff Diversion Dam, Monthly Flow
Probability of Exceedance

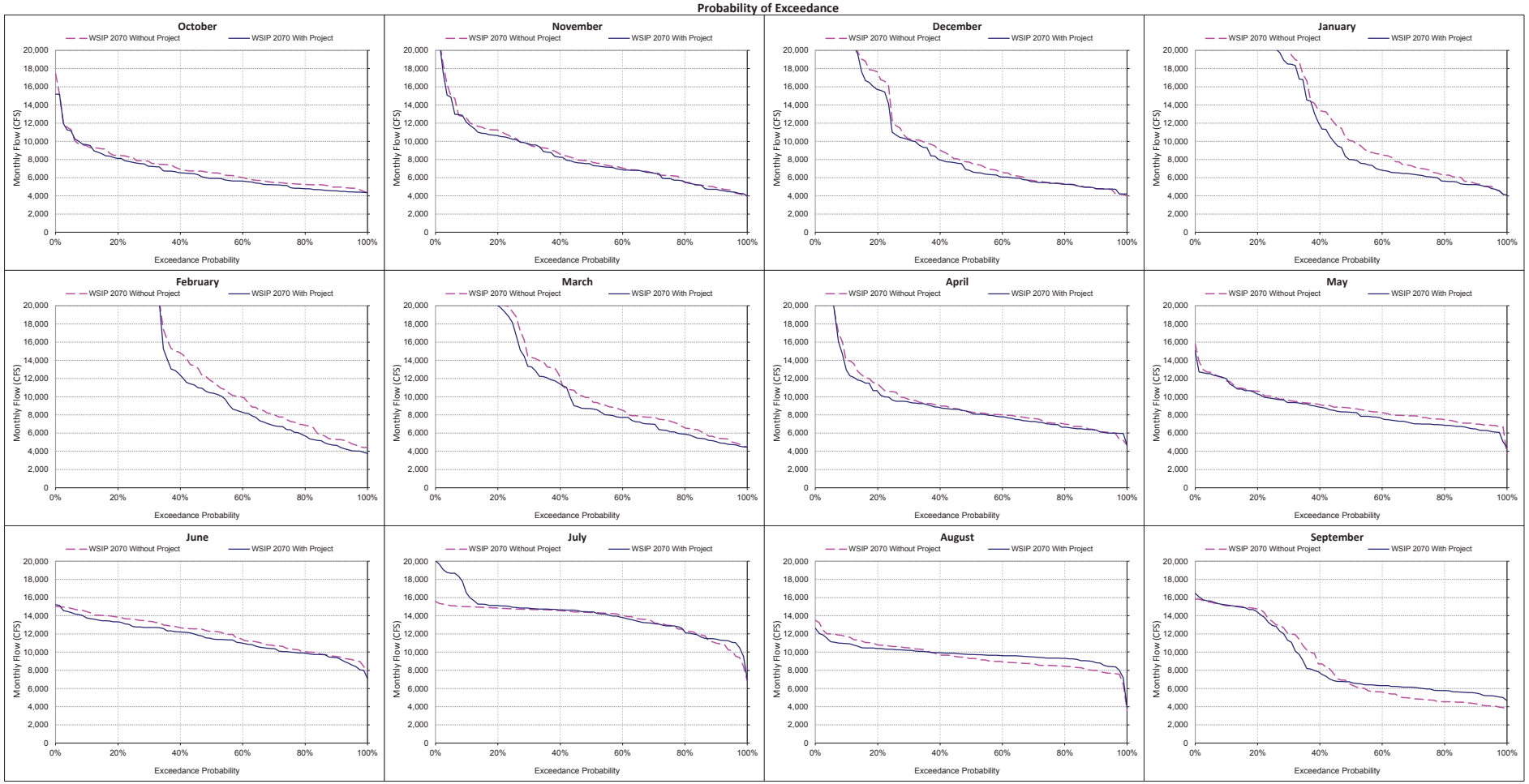


Table SW-12-b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,452	15,206	-2,246	-12.9%
1.2%	15,206	15,181	-25	-0.2%
2.5%	12,107	11,940	-167	-1.4%
3.7%	11,536	11,259	-277	-2.4%
4.9%	11,302	11,179	-123	-1.1%
6.2%	10,044	10,251	206	2.1%
7.4%	9,695	10,007	311	3.2%
8.6%	9,621	9,690	69	0.7%
9.9%	9,501	9,634	134	1.4%
11.1%	9,304	9,554	251	2.7%
12.3%	9,274	8,937	-337	-3.6%
13.6%	9,257	8,794	-463	-5.0%
14.8%	9,162	8,638	-523	-5.7%
16.0%	9,152	8,403	-749	-8.2%
17.3%	8,692	8,364	-329	-3.8%
18.5%	8,474	8,229	-245	-2.9%
19.8%	8,456	8,114	-342	-4.0%
21.0%	8,425	8,110	-316	-3.7%
22.2%	8,391	7,872	-520	-6.2%
23.5%	8,279	7,772	-507	-6.1%
24.7%	8,243	7,679	-565	-6.8%
25.9%	7,872	7,596	-276	-3.5%
27.2%	7,863	7,546	-318	-4.0%
28.4%	7,829	7,519	-310	-4.0%
29.6%	7,827	7,256	-571	-7.3%
30.9%	7,577	7,243	-334	-4.4%
32.1%	7,531	7,213	-318	-4.2%
33.3%	7,472	7,169	-303	-4.1%
34.6%	7,448	6,759	-688	-9.2%
35.8%	7,416	6,711	-705	-9.5%
37.0%	7,402	6,708	-694	-9.4%
38.3%	7,157	6,662	-496	-6.9%
39.5%	6,990	6,538	-452	-6.5%
40.7%	6,848	6,519	-329	-4.8%
42.0%	6,785	6,501	-284	-4.2%
43.2%	6,739	6,478	-261	-3.9%
44.4%	6,732	6,430	-302	-4.5%
45.7%	6,730	6,335	-394	-5.9%
46.9%	6,716	6,089	-627	-9.3%
48.1%	6,632	6,005	-627	-9.5%
49.4%	6,586	5,916	-670	-10.2%
50.6%	6,521	5,915	-606	-9.3%
51.9%	6,517	5,915	-603	-9.2%
53.1%	6,434	5,901	-533	-8.3%
54.3%	6,278	5,756	-522	-8.3%
55.6%	6,244	5,681	-562	-9.0%
56.8%	6,235	5,648	-587	-9.4%
58.0%	6,089	5,636	-453	-7.4%
59.3%	6,066	5,629	-437	-7.2%
60.5%	5,967	5,605	-362	-6.1%
61.7%	5,836	5,540	-296	-5.1%
63.0%	5,778	5,522	-256	-4.4%
64.2%	5,707	5,401	-306	-5.4%
65.4%	5,700	5,389	-310	-5.4%
66.7%	5,656	5,271	-385	-6.8%
67.9%	5,565	5,250	-315	-5.7%
69.1%	5,510	5,234	-276	-5.0%
70.4%	5,468	5,221	-248	-4.5%
71.6%	5,456	5,214	-241	-4.4%
72.8%	5,430	5,159	-271	-5.0%
74.1%	5,368	5,158	-210	-3.9%
75.3%	5,350	4,882	-468	-8.7%
76.5%	5,328	4,825	-503	-9.4%
77.8%	5,299	4,825	-474	-8.9%
79.0%	5,280	4,796	-484	-9.2%
80.2%	5,256	4,786	-471	-9.0%
81.5%	5,231	4,784	-447	-8.6%
82.7%	5,224	4,694	-530	-10.1%
84.0%	5,220	4,683	-537	-10.3%
85.2%	5,218	4,656	-561	-10.8%
86.4%	5,173	4,608	-565	-10.9%
87.7%	5,093	4,574	-519	-10.2%
88.9%	4,969	4,566	-403	-8.1%
90.1%	4,966	4,546	-419	-8.4%
91.4%	4,965	4,489	-476	-9.6%
92.6%	4,897	4,484	-413	-8.4%
93.8%	4,873	4,439	-434	-8.9%
95.1%	4,842	4,438	-404	-8.3%
96.3%	4,838	4,408	-430	-8.9%
97.5%	4,681	4,398	-283	-6.0%
98.8%	4,494	4,370	-123	-2.7%
100.0%	4,353	4,348	-5	-0.1%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,392	24,270	878	3.8%
1.2%	21,150	21,091	-60	-0.3%
2.5%	18,405	17,545	-860	-4.7%
3.7%	16,267	15,089	-1,179	-7.2%
4.9%	14,971	14,859	-111	-0.7%
6.2%	14,739	12,966	-1,774	-12.0%
7.4%	12,853	12,953	99	0.8%
8.6%	12,731	12,858	127	1.0%
9.9%	12,582	12,115	-467	-3.7%
11.1%	11,993	11,756	-237	-2.0%
12.3%	11,830	11,442	-388	-3.3%
13.6%	11,650	11,011	-640	-5.5%
14.8%	11,558	10,890	-668	-5.8%
16.0%	11,379	10,862	-517	-4.5%
17.3%	11,284	10,722	-561	-5.0%
18.5%	11,264	10,678	-586	-5.2%
19.8%	11,253	10,629	-624	-5.5%
21.0%	11,121	10,525	-596	-5.4%
22.2%	10,831	10,498	-333	-3.1%
23.5%	10,676	10,371	-305	-2.9%
24.7%	10,368	10,233	-135	-1.3%
25.9%	10,304	10,179	-126	-1.2%
27.2%	9,915	9,912	-3	0.0%
28.4%	9,830	9,852	22	0.2%
29.6%	9,712	9,757	45	0.5%
30.9%	9,484	9,607	123	1.3%
32.1%	9,395	9,602	207	2.2%
33.3%	9,339	9,414	75	0.8%
34.6%	9,279	8,903	-376	-4.1%
35.8%	9,224	8,802	-422	-4.6%
37.0%	9,036	8,782	-254	-2.8%
38.3%	8,915	8,347	-568	-6.4%
39.5%	8,682	8,264	-417	-4.8%
40.7%	8,421	8,244	-177	-2.1%
42.0%	8,397	7,926	-471	-5.6%
43.2%	8,250	7,872	-378	-4.6%
44.4%	8,133	7,723	-410	-5.0%
45.7%	7,944	7,644	-300	-3.8%
46.9%	7,909	7,599	-310	-3.9%
48.1%	7,888	7,555	-333	-4.2%
49.4%	7,861	7,552	-310	-3.9%
50.6%	7,656	7,316	-340	-4.4%
51.9%	7,595	7,280	-315	-4.2%
53.1%	7,554	7,237	-316	-4.2%
54.3%	7,403	7,189	-214	-2.9%
55.6%	7,324	7,137	-187	-2.6%
56.8%	7,248	7,132	-117	-1.6%
58.0%	7,238	6,981	-257	-3.5%
59.3%	7,123	6,909	-214	-3.0%
60.5%	7,016	6,841	-175	-2.5%
61.7%	6,913	6,824	-90	-1.3%
63.0%	6,868	6,817	-52	-0.7%
64.2%	6,862	6,797	-64	-0.9%
65.4%	6,783	6,790	7	0.1%
66.7%	6,700	6,698	-2	0.0%
67.9%	6,689	6,578	-112	-1.7%
69.1%	6,571	6,564	-7	-0.1%
70.4%	6,442	6,465	23	0.4%
71.6%	6,320	6,462	142	2.2%
72.8%	6,258	5,935	-324	-5.2%
74.1%	6,253	5,883	-371	-5.9%
75.3%	6,226	5,880	-346	-5.6%
76.5%	6,198	5,723	-475	-7.7%
77.8%	6,147	5,721	-426	-6.9%
79.0%	5,675	5,672	-3	-0.1%
80.2%	5,490	5,472	-18	-0.3%
81.5%	5,461	5,378	-83	-1.5%
82.7%	5,216	5,298	81	1.6%
84.0%	5,181	5,204	23	0.4%
85.2%	5,177	5,167	-11	-0.2%
86.4%	5,139	4,788	-351	-6.8%
87.7%	5,049	4,736	-314	-6.2%
88.9%	5,019	4,725	-294	-5.9%
90.1%	4,880	4,718	-162	-3.3%
91.4%	4,802	4,597	-205	-4.3%
92.6%	4,716	4,555	-161	-3.4%
93.8%	4,668	4,479	-189	-4.0%
95.1%	4,631	4,442	-189	-4.1%
96.3%	4,285	4,394	109	2.5%
97.5%	4,224	4,259	35	0.8%
98.8%	4,090	4,225	136	3.3%
100.0%	3,943	3,981	38	1.0%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	51,011	50,589	-422	-0.8%
1.2%	41,105	42,910	1,804	4.4%
2.5%	38,667	36,537	-2,129	-5.5%
3.7%	37,992	35,870	-2,122	-5.6%
4.9%	36,429	35,008	-1,422	-3.9%
6.2%	35,407	33,297	-2,110	-6.0%
7.4%	33,840	32,426	-1,414	-4.2%
8.6%	28,201	27,217	-984	-3.5%
9.9%	25,338	24,372	-967	-3.8%
11.1%	25,099	23,517	-1,582	-6.3%
12.3%	22,524	20,416	-2,108	-9.4%
13.6%	19,806	19,608	-199	-1.0%
14.8%	19,047	17,654	-1,393	-7.3%
16.0%	18,818	16,694	-2,124	-11.3%
17.3%	17,870	16,487	-1,383	-7.7%
18.5%	17,817	16,042	-1,775	-10.0%
19.8%	17,654	15,699	-1,955	-11.1%
21.0%	16,774	15,604	-1,170	-7.0%
22.2%	16,608	15,413	-1,195	-7.2%
23.5%	16,218	14,102	-2,116	-13.0%
24.7%	12,192	10,993	-1,199	-9.8%
25.9%	11,711	10,690	-1,021	-8.7%
27.2%	11,461	10,443	-1,017	-8.9%
28.4%	10,692	10,352	-340	-3.2%
29.6%	10,316	10,206	-110	-1.1%
30.9%	10,202	10,073	-129	-1.3%
32.1%	10,163	9,964	-199	-2.0%
33.3%	10,132	9,588	-543	-5.4%
34.6%	9,963	9,343	-620	-6.2%
35.8%	9,803	9,297	-505	-5.2%
37.0%	9,680	8,419	-1,261	-13.0%
38.3%	9,505	8,372	-1,133	-11.9%
39.5%	9,102	8,012	-1,091	-12.0%
40.7%	8,902	7,895	-1,007	-11.3%
42.0%	8,692	7,759	-932	-10.7%
43.2%	8,418	7,729	-689	-8.2%
44.4%	8,089	7,672	-417	-5.2%
45.7%	8,059	7,579	-481	-6.0%
46.9%	7,846	7,549	-297	-3.8%
48.1%	7,759	6,935	-824	-10.6%
49.4%	7,713	6,806	-907	-11.8%
50.6%	7,498	6,605	-892	-11.9%
51.9%	7,441	6,553	-888	-11.9%
53.1%	7,377	6,526	-850	-11.5%
54.3%	7,136	6,414	-722	-10.1%
55.6%	6,935	6,339	-596	-8.6%
56.8%	6,908	6,323	-585	-8.5%
58.0%	6,815	6,291	-524	-7.7%
59.3%	6,637	6,086	-550	-8.3%
60.5%	6,535	6,062	-473	-7.2%
61.7%	6,525	6,056	-469	-7.2%
63.0%	6,245	5,968	-278	-4.4%
64.2%	6,212	5,957	-255	-4.1%
65.4%	6,155	5,947	-208	-3.4%
66.7%	6,065	5,789	-276	-4.6%
67.9%	5,750	5,754	4	0.1%
69.1%	5,716	5,569	-147	-2.6%
70.4%	5,656	5,550	-106	-1.9%
71.6%	5,565	5,479	-85	-1.5%
72.8%	5,553	5,462	-92	-1.6%
74.1%	5,461	5,452	-9	-0.2%
75.3%	5,455	5,372	-83	-1.5%
76.5%	5,433	5,371	-61	-1.1%
77.8%	5,368	5,366	-2	0.0%
79.0%	5,364	5,286	-78	-1.5%
80.2%	5,295	5,255	-41	-0.8%
81.5%	5,265	5,254	-10	-0.2%
82.7%	5,258	5,235	-23	-0.4%
84.0%	5,109	5,133	24	0.5%
85.2%	5,107	5,021	-86	-1.7%
86.4%	4,967	4,961	-5	-0.1%
87.7%	4,966	4,959	-7	-0.1%
88.9%	4,936	4,930	-6	-0.1%
90.1%	4,787	4,794	7	0.2%
91.4%	4,785	4,775	-10	-0.2%
92.6%	4,782	4,761	-21	-0.4%
93.8%	4,742	4,760	19	0.4%
95.1%	4,711	4,743	32	0.7%
96.3%	4,204	4,730	525	12.5%
97.5%	4,195	4,209	14	0.3%
98.8%	4,161	4,201	40	1.0%
100.0%	3,984	4,196	212	5.3%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	84,215	83,616	-598	-0.7%
1.2%	70,726	69,724	-1,002	-1.4%
2.5%	69,446	67,333	-2,112	-3.0%
3.7%	66,022	66,016	-6	0.0%
4.9%	62,279	61,252	-1,026	-1.6%
6.2%	54,476	52,367	-2,110	-3.9%
7.4%	46,636	47,251	615	1.3%
8.6%	42,514	39,525	-2,989	-7.0%
9.9%	39,355	38,747	-609	-1.5%
11.1%	38,747	37,239	-1,508	-3.9%
12.3%	36,872	34,002	-2,870	-7.8%
13.6%	34,494	32,374	-2,120	-6.1%
14.8%	34,224	31,577	-2,647	-7.7%
16.0%	32,753	31,236	-1,517	-4.6%
17.3%	31,185	29,075	-2,110	-6.8%
18.5%	26,235	26,474	239	0.9%
19.8%	25,953	23,835	-2,118	-8.2%
21.0%	23,947	22,567	-1,380	-5.8%
22.2%	22,993	21,579	-1,414	-6.2%
23.5%	22,647	20,504	-2,142	-9.5%
24.7%	22,546	20,499	-2,047	-9.1%
25.9%	22,222	20,098	-2,124	-9.6%
27.2%	21,937	19,763	-2,173	-9.9%
28.4%	21,078	18,945	-2,134	-10.1%
29.6%	20,627	18,514	-2,113	-10.2%
30.9%	19,492	18,486	-1,006	-5.2%
32.1%	18,985	18,333	-652	-3.4%
33.3%	18,818	16,852	-1,965	-10.4%
34.6%	17,361	16,795	-566	-3.3%
35.8%	16,672	14,544	-2,128	-12.8%
37.0%	14,440	14,440	0	0.0%
38.3%	14,185	13,060	-1,125	-7.9%
39.5%	13,439	12,062	-1,377	-10.2%
40.7%	13,308	11,337	-1,971	-14.8%
42.0%	13,243	11,311	-1,932	-14.6%
43.2%	12,653	10,535	-2,118	-16.7%
44.4%	12,105	9,985	-2,120	-17.5%
45.7%	11,596	9,476	-2,120	-18.3%
46.9%	11,449	9,322	-2,127	-18.6%
48.1%	10,497	8,377	-2,119	-20.2%
49.4%	10,112	8,004	-2,109	-20.9%
50.6%	10,013	7,989	-2,024	-20.2%
51.9%	9,707	7,894	-1,814	-18.7%
53.1%	9,520	7,575	-1,945	-20.4%
54.3%	9,128	7,557	-1,571	-17.2%
55.6%	8,845	7,399	-1,446	-16.3%
56.8%	8,781	7,359	-1,422	-16.2%
58.0%	8,644	7,008	-1,636	-18.9%
59.3%	8,600	6,856	-1,744	-20.3%
60.5%	8,475	6,770	-1,705	-20.1%
61.7%	8,415	6,720	-1,696	-20.1%
63.0%	8,239	6,564	-1,675	-20.3%
64.2%	7,757	6,559	-1,198	-15.4%
65.4%	7,733	6,522	-1,211	-15.7%
66.7%	7,412	6,471	-941	-12.7%
67.9%	7,399	6,450	-948	-12.8%
69.1%	7,348	6,419	-929	-12.6%
70.4%	7,158	6,341	-816	-11.4%
71.6%	7,049	6,293	-756	-10.7%
72.8%	6,999	6,238	-761	-10.9%
74.1%	6,936	6,133	-804	-11.6%
75.3%	6,813	6,084	-729	-10.7%
76.5%	6,561	6,044	-517	-7.9%
77.8%	6,502	5,987	-515	-7.9%
79.0%	6,337	5,635	-702	-11.1%
80.2%	6,279	5,616	-664	-10.6%
81.5%	6,279	5,592	-687	-10.9%
82.7%	6,089	5,585	-504	-8.3%
84.0%	6,085	5,528	-557	-9.1%
85.2%	6,042	5,312	-730	-12.1%
86.4%	5,597	5,274	-324	-5.8%
87.7%	5,585	5,245	-340	-6.1%
88.9%	5,492	5,234	-258	-4.7%
90.1%	5,330	5,229	-101	-1.9%
91.4%	5,275	5,184	-91	-1.7%
92.6%	5,065	5,055	-10	-0.2%
93.8%	5,043	5,023	-20	-0.4%
95.1%	5,037	4,801	-236	-4.7%
96.3%	4,681	4,724	43	0.9%
97.5%	4,563	4,560	-4	-0.1%
98.8%	4,191	4,192	0	0.0%
100.0%	4,085	4,082	-3	-0.1%

Table SW-12-b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	96,999	97,002	3	0.0%
1.2%	92,633	90,518	-2,115	-2.3%
2.5%	68,081	65,963	-2,118	-3.1%
3.7%	65,495	64,420	-1,075	-1.6%
4.9%	63,690	61,585	-2,105	-3.3%
6.2%	61,322	61,262	-61	-0.1%
7.4%	55,934	55,933	-1	0.0%
8.6%	50,208	48,088	-2,119	-4.2%
9.9%	48,033	47,507	-526	-1.1%
11.1%	47,387	47,381	-6	0.0%
12.3%	46,874	45,287	-1,587	-3.4%
13.6%	46,533	44,771	-1,762	-3.8%
14.8%	44,847	44,596	-251	-0.6%
16.0%	43,310	43,310	0	0.0%
17.3%	42,545	40,424	-2,122	-5.0%
18.5%	36,540	34,724	-1,816	-5.0%
19.8%	35,943	33,801	-2,142	-6.0%
21.0%	34,756	32,634	-2,122	-6.1%
22.2%	34,671	32,555	-2,116	-6.1%
23.5%	30,313	28,195	-2,118	-7.0%
24.7%	29,959	27,833	-2,126	-7.1%
25.9%	25,547	26,289	743	2.9%
27.2%	24,133	23,424	-709	-2.9%
28.4%	23,473	22,388	-1,085	-4.6%
29.6%	22,787	22,297	-490	-2.2%
30.9%	21,917	21,348	-569	-2.6%
32.1%	21,374	21,000	-374	-1.7%
33.3%	20,309	20,148	-161	-0.8%
34.6%	17,388	15,267	-2,121	-12.2%
35.8%	16,246	14,123	-2,124	-13.1%
37.0%	15,306	13,047	-2,259	-14.8%
38.3%	15,027	12,901	-2,126	-14.1%
39.5%	14,911	12,515	-2,395	-16.1%
40.7%	14,634	12,104	-2,530	-17.3%
42.0%	14,225	11,573	-2,653	-18.6%
43.2%	13,531	11,417	-2,115	-15.6%
44.4%	13,410	11,288	-2,123	-15.8%
45.7%	13,123	10,999	-2,124	-16.2%
46.9%	12,375	10,924	-1,451	-11.7%
48.1%	12,228	10,607	-1,621	-13.3%
49.4%	11,847	10,442	-1,405	-11.9%
50.6%	11,579	10,389	-1,189	-10.3%
51.9%	11,251	10,254	-997	-8.9%
53.1%	10,921	10,059	-861	-7.9%
54.3%	10,777	9,730	-1,047	-9.7%
55.6%	10,389	9,124	-1,265	-12.2%
56.8%	10,137	8,657	-1,480	-14.6%
58.0%	10,061	8,514	-1,548	-15.4%
59.3%	10,010	8,368	-1,641	-16.4%
60.5%	9,851	8,228	-1,623	-16.5%
61.7%	9,329	8,166	-1,163	-12.5%
63.0%	8,873	7,891	-982	-11.1%
64.2%	8,830	7,728	-1,102	-12.5%
65.4%	8,513	7,352	-1,161	-13.6%
66.7%	8,481	7,210	-1,271	-15.0%
67.9%	8,196	7,039	-1,156	-14.1%
69.1%	8,166	6,914	-1,252	-15.3%
70.4%	7,970	6,805	-1,165	-14.6%
71.6%	7,775	6,743	-1,033	-13.3%
72.8%	7,765	6,710	-1,056	-13.6%
74.1%	7,496	6,394	-1,102	-14.7%
75.3%	7,279	6,361	-918	-12.6%
76.5%	7,213	6,077	-1,136	-15.8%
77.8%	6,980	6,044	-936	-13.4%
79.0%	6,943	5,841	-1,103	-15.9%
80.2%	6,838	5,643	-1,195	-17.5%
81.5%	6,772	5,376	-1,396	-20.6%
82.7%	6,583	5,277	-1,307	-19.8%
84.0%	5,962	5,186	-776	-13.0%
85.2%	5,849	5,162	-687	-11.7%
86.4%	5,658	4,901	-758	-13.4%
87.7%	5,384	4,752	-631	-11.7%
88.9%	5,356	4,678	-678	-12.7%
90.1%	5,295	4,647	-648	-12.2%
91.4%	5,277	4,425	-851	-16.1%
92.6%	5,190	4,280	-910	-17.5%
93.8%	5,057	4,160	-897	-17.7%
95.1%	4,803	4,047	-755	-15.7%
96.3%	4,682	4,034	-647	-13.8%
97.5%	4,495	4,017	-478	-10.6%
98.8%	4,424	3,887	-538	-12.2%
100.0%	4,420	3,759	-661	-15.0%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	85,804	85,796	-8	0.0%
1.2%	78,915	76,796	-2,119	-2.7%
2.5%	58,620	56,501	-2,119	-3.6%
3.7%	50,596	50,590	-6	0.0%
4.9%	39,724	38,017	-1,707	-4.3%
6.2%	37,545	35,419	-2,126	-5.7%
7.4%	35,667	33,808	-1,858	-5.2%
8.6%	35,334	33,549	-1,785	-5.1%
9.9%	34,477	32,337	-2,139	-6.2%
11.1%	30,071	27,949	-2,122	-7.1%
12.3%	25,425	25,403	-22	-0.1%
13.6%	23,106	22,980	-126	-0.5%
14.8%	22,348	22,306	-42	-0.2%
16.0%	22,209	21,711	-498	-2.2%
17.3%	22,048	21,376	-672	-3.0%
18.5%	21,744	20,683	-1,061	-4.9%
19.8%	20,944	20,088	-856	-4.1%
21.0%	20,582	19,753	-829	-4.0%
22.2%	20,022	19,312	-710	-3.5%
23.5%	19,912	18,835	-1,077	-5.4%
24.7%	19,328	18,153	-1,174	-6.1%
25.9%	18,781	16,661	-2,120	-11.3%
27.2%	17,244	15,124	-2,120	-12.3%
28.4%	16,304	14,453	-1,852	-11.4%
29.6%	14,416	13,364	-1,052	-7.3%
30.9%	14,322	13,268	-1,053	-7.4%
32.1%	14,185	12,826	-1,359	-9.6%
33.3%	13,960	12,234	-1,726	-12.4%
34.6%	13,868	12,199	-1,670	-12.0%
35.8%	13,278	12,065	-1,213	-9.1%
37.0%	13,187	11,858	-1,328	-10.1%
38.3%	13,140	11,745	-1,395	-10.6%
39.5%	12,472	11,486	-986	-7.9%
40.7%	11,210	11,202	-8	-0.1%
42.0%	10,812	11,053	242	2.2%
43.2%	10,773	9,887	-886	-8.2%
44.4%	10,697	9,018	-1,679	-15.7%
45.7%	10,165	8,904	-1,261	-12.4%
46.9%	10,118	8,737	-1,381	-13.6%
48.1%	9,913	8,711	-1,203	-12.1%
49.4%	9,893	8,691	-1,202	-12.1%
50.6%	9,374	8,654	-721	-7.7%
51.9%	9,352	8,546	-806	-8.6%
53.1%	9,141	8,315	-826	-9.0%
54.3%	9,081	8,012	-1,069	-11.8%
55.6%	8,915	7,990	-925	-10.4%
56.8%	8,840	7,921	-919	-10.4%
58.0%	8,754	7,787	-967	-11.1%
59.3%	8,585	7,743	-842	-9.8%
60.5%	8,449	7,742	-707	-8.4%
61.7%	8,025	7,731	-294	-3.7%
63.0%	7,918	7,387	-532	-6.7%
64.2%	7,918	7,252	-666	-8.4%
65.4%	7,856	7,227	-628	-8.0%
66.7%	7,790	7,041	-750	-9.6%
67.9%	7,752	7,020	-732	-9.4%
69.1%	7,744	6,984	-759	-9.8%
70.4%	7,739	6,952	-788	-10.2%
71.6%	7,528	6,401	-1,127	-15.0%
72.8%	7,484	6,346	-1,138	-15.2%
74.1%	7,451	6,318	-1,132	-15.2%
75.3%	7,303	6,149	-1,154	-15.8%
76.5%	7,177	6,140	-1,037	-14.5%
77.8%	7,008	5,978	-1,030	-14.7%
79.0%	6,760	5,902	-857	-12.7%
80.2%	6,542	5,889	-653	-10.0%
81.5%	6,495	5,795	-700	-10.8%
82.7%	6,396	5,622	-774	-12.1%
84.0%	6,387	5,456	-930	-14.6%
85.2%	6,164	5,429	-735	-11.9%
86.4%	5,969	5,364	-605	-10.1%
87.7%	5,664	5,182	-482	-8.5%
88.9%	5,648	5,156	-492	-8.7%
90.1%	5,430	5,064	-366	-6.7%
91.4%	5,413	4,899	-514	-9.5%
92.6%	5,375	4,867	-508	-9.5%
93.8%	5,350	4,763	-587	-11.0%
95.1%	5,025	4,734	-291	-5.8%
96.3%	4,908	4,723	-185	-3.8%
97.5%	4,771	4,573	-198	-4.2%
98.8%	4,543	4,479	-64	-1.4%
100.0%	4,481	4,466	-15	-0.3%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,672	40,356	-1,316	-3.2%
1.2%	32,625	32,620	-6	0.0%
2.5%	27,098	27,101	3	0.0%
3.7%	22,924	22,921	-3	0.0%
4.9%	22,192	22,189	-3	0.0%
6.2%	19,280	19,280	0	0.0%
7.4%	16,994	16,040	-954	-5.6%
8.6%	16,044	14,683	-1,361	-8.5%
9.9%	13,964	12,956	-1,007	-7.2%
11.1%	13,957	12,297	-1,660	-11.9%
12.3%	13,633	12,129	-1,504	-11.0%
13.6%	12,791	11,846	-945	-7.4%
14.8%	12,416	11,728	-687	-5.5%
16.0%	12,092	11,511	-581	-4.8%
17.3%	11,999	11,499	-500	-4.2%
18.5%	11,566	10,677	-888	-7.7%
19.8%	11,494	10,670	-824	-7.2%
21.0%	11,075	10,153	-921	-8.3%
22.2%	10,680	9,984	-696	-6.5%
23.5%	10,584	9,945	-638	-6.0%
24.7%	10,559	9,654	-905	-8.6%
25.9%	10,488	9,513	-975	-9.3%
27.2%	9,949	9,505	-444	-4.5%
28.4%	9,925	9,505	-420	-4.2%
29.6%	9,747	9,451	-295	-3.0%
30.9%	9,649	9,337	-312	-3.2%
32.1%	9,589	9,316	-273	-2.8%
33.3%	9,390	9,255	-135	-1.4%
34.6%	9,333	9,247	-86	-0.9%
35.8%	9,258	9,140	-118	-1.3%
37.0%	9,247	9,025	-222	-2.4%
38.3%	9,128	8,880	-248	-2.7%
39.5%	9,024	8,848	-176	-2.0%
40.7%	8,962	8,726	-237	-2.6%
42.0%	8,962	8,702	-260	-2.9%
43.2%	8,778	8,634	-144	-1.6%
44.4%	8,710	8,620	-89	-1.0%
45.7%	8,666	8,614	-51	-0.6%
46.9%	8,513	8,503	-10	-0.1%
48.1%	8,449	8,436	-12	-0.1%
49.4%	8,351	8,311	-40	-0.5%
50.6%	8,286	8,098	-188	-2.3%
51.9%	8,225	8,082	-143	-1.7%
53.1%	8,210	8,070	-140	-1.7%
54.3%	8,175	8,054	-121	-1.5%
55.6%	8,083	7,955	-128	-1.6%
56.8%	8,054	7,943	-111	-1.4%
58.0%	8,050	7,844	-205	-2.6%
59.3%	8,024	7,803	-221	-2.8%
60.5%	8,010	7,798	-212	-2.6%
61.7%	7,956	7,687	-269	-3.4%
63.0%	7,945	7,609	-336	-4.2%
64.2%	7,853	7,491	-362	-4.6%
65.4%	7,805	7,476	-329	-4.2%
66.7%	7,751	7,353	-398	-5.1%
67.9%	7,674	7,343	-331	-4.3%
69.1%	7,609	7,270	-340	-4.5%
70.4%	7,589	7,266	-323	-4.3%
71.6%	7,541	7,184	-357	-4.7%
72.8%	7,359	7,159	-199	-2.7%
74.1%	7,146	7,020	-126	-1.8%
75.3%	7,143	6,992	-151	-2.1%
76.5%	7,082	6,945	-137	-1.9%
77.8%	7,080	6,924	-156	-2.2%
79.0%	7,056	6,646	-410	-5.8%
80.2%	6,976	6,637	-340	-4.9%
81.5%	6,936	6,593	-343	-4.9%
82.7%	6,731	6,548	-183	-2.7%
84.0%	6,724	6,491	-234	-3.5%
85.2%	6,711	6,482	-228	-3.4%
86.4%	6,634	6,410	-224	-3.4%
87.7%	6,456	6,394	-62	-1.0%
88.9%	6,419	6,386	-33	-0.5%
90.1%	6,250	6,333	83	1.3%
91.4%	6,138	6,143	4	0.1%
92.6%	6,119	6,074	-46	-0.7%
93.8%	6,092	6,002	-90	-1.5%
95.1%	6,085	5,995	-90	-1.5%
96.3%	5,951	5,992	41	0.7%
97.5%	5,304	5,964	660	12.5%
98.8%	5,198	5,952	754	14.5%
100.0%	4,643	4,652	10	0.2%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,838	15,077	-761	-4.8%
1.2%	13,911	12,718	-1,193	-8.6%
2.5%	13,001	12,636	-365	-2.8%
3.7%	12,731	12,551	-181	-1.4%
4.9%	12,684	12,532	-152	-1.2%
6.2%	12,478	12,339	-139	-1.1%
7.4%	12,211	12,271	59	0.5%
8.6%	12,164	12,120	-44	-0.4%
9.9%	11,740	12,004	264	2.2%
11.1%	11,671	11,393	-278	-2.4%
12.3%	11,285	11,168	-116	-1.0%
13.6%	10,961	10,847	-114	-1.0%
14.8%	10,957	10,844	-113	-1.0%
16.0%	10,836	10,684	-152	-1.4%
17.3%	10,687	10,667	-20	-0.2%
18.5%	10,645	10,553	-92	-0.9%
19.8%	10,606	10,327	-280	-2.6%
21.0%	10,597	10,180	-417	-3.9%
22.2%	10,086	9,924	-162	-1.6%
23.5%	10,086	9,880	-205	-2.0%
24.7%	10,070	9,825	-245	-2.4%
25.9%	9,865	9,733	-132	-1.3%
27.2%	9,739	9,661	-78	-0.8%
28.4%	9,732	9,640	-92	-0.9%
29.6%	9,612	9,372	-241	-2.5%
30.9%	9,544	9,368	-175	-1.8%
32.1%	9,473	9,363	-110	-1.2%
33.3%	9,455	9,302	-153	-1.6%
34.6%	9,342	9,206	-136	-1.5%
35.8%	9,310	9,202	-108	-1.2%
37.0%	9,282	9,043	-239	-2.6%
38.3%	9,233	8,984	-249	-2.7%
39.5%	9,170	8,875	-295	-3.2%
40.7%	9,059	8,813	-245	-2.7%
42.0%	9,052	8,732	-320	-3.5%
43.2%	9,027	8,573	-454	-5.0%
44.4%	8,861	8,514	-347	-3.9%
45.7%	8,854	8,377	-477	-5.4%
46.9%	8,840	8,340	-500	-5.7%
48.1%	8,816	8,326	-491	-5.6%
49.4%	8,767	8,314	-453	-5.2%
50.6%	8,680	8,279	-401	-4.6%
51.9%	8,666	8,234	-431	-5.0%
53.1%	8,575	7,858	-717	-8.4%
54.3%	8,526	7,841	-685	-8.0%
55.6%	8,421	7,837	-584	-6.9%
56.8%	8,354	7,786	-568	-6.8%
58.0%	8,330	7,774	-557	-6.7%
59.3%	8,307	7,710	-597	-7.2%
60.5%	8,221	7,518	-703	-8.6%
61.7%	8,132	7,486	-646	-7.9%
63.0%	7,976	7,423	-553	-6.9%
64.2%	7,965	7,375	-590	-7.4%
65.4%	7,964	7,313	-651	-8.2%
66.7%	7,936	7,311	-625	-7.9%
67.9%	7,903	7,216	-686	-8.7%
69.1%	7,894	7,119	-776	-9.8%
70.4%	7,891	7,025	-866	-11.0%
71.6%	7,864	7,020	-844	-10.7%
72.8%	7,729	7,001	-728	-9.4%
74.1%	7,695	6,995	-700	-9.1%
75.3%	7,590	6,989	-601	-7.9%
76.5%	7,555	6,926	-630	-8.3%
77.8%	7,548	6,924	-625	-8.3%
79.0%	7,535	6,901	-634	-8.4%
80.2%	7,447	6,854	-593	-8.0%
81.5%	7,421	6,852	-569	-7.7%
82.7%	7,336	6,780	-557	-7.6%
84.0%	7,221	6,725	-495	-6.9%
85.2%	7,107	6,722	-384	-5.4%
86.4%	7,105	6,680	-426	-6.0%
87.7%	7,096	6,551	-545	-7.7%
88.9%	7,087	6,479	-608	-8.6%
90.1%	6,992	6,441	-551	-7.9%
91.4%	6,976	6,312	-663	-9.5%
92.6%	6,897	6,309	-587	-8.5%
93.8%	6,894	6,291	-602	-8.7%
95.1%	6,849	6,158	-691	-10.1%
96.3%	6,842	6,104	-738	-10.8%
97.5%	6,688	6,065	-622	-9.3%
98.8%	6,682	5,048	-1,634	-24.5%
100.0%	3,655	4,434	779	21.3%

Table SW-12-b

Sacramento River below Red Bluff Diversion Dam, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,037	15,214	178	1.2%
1.2%	14,993	15,122	129	0.9%
2.5%	14,955	14,555	-400	-2.7%
3.7%	14,927	14,488	-439	-2.9%
4.9%	14,823	14,370	-453	-3.1%
6.2%	14,715	14,195	-521	-3.5%
7.4%	14,620	14,128	-491	-3.4%
8.6%	14,600	14,024	-576	-3.9%
9.9%	14,466	13,776	-690	-4.8%
11.1%	14,332	13,678	-654	-4.6%
12.3%	14,079	13,621	-458	-3.3%
13.6%	14,072	13,536	-536	-3.8%
14.8%	14,039	13,442	-596	-4.2%
16.0%	14,021	13,439	-582	-4.2%
17.3%	13,992	13,417	-575	-4.1%
18.5%	13,916	13,346	-570	-4.1%
19.8%	13,857	13,325	-532	-3.8%
21.0%	13,812	13,273	-539	-3.9%
22.2%	13,668	13,106	-562	-4.1%
23.5%	13,643	13,064	-579	-4.2%
24.7%	13,637	12,823	-814	-6.0%
25.9%	13,562	12,772	-790	-5.8%
27.2%	13,484	12,772	-713	-5.3%
28.4%	13,479	12,717	-762	-5.7%
29.6%	13,389	12,711	-678	-5.1%
30.9%	13,368	12,703	-665	-5.0%
32.1%	13,261	12,698	-563	-4.2%
33.3%	13,247	12,693	-554	-4.2%
34.6%	12,981	12,602	-379	-2.9%
35.8%	12,931	12,334	-597	-4.6%
37.0%	12,851	12,327	-524	-4.1%
38.3%	12,828	12,255	-574	-4.5%
39.5%	12,728	12,238	-490	-3.9%
40.7%	12,638	12,188	-450	-3.6%
42.0%	12,599	12,161	-439	-3.5%
43.2%	12,575	12,103	-472	-3.8%
44.4%	12,568	12,007	-561	-4.5%
45.7%	12,547	11,842	-705	-5.6%
46.9%	12,531	11,759	-772	-6.2%
48.1%	12,368	11,564	-804	-6.5%
49.4%	12,290	11,537	-753	-6.1%
50.6%	12,276	11,435	-841	-6.9%
51.9%	12,264	11,392	-872	-7.1%
53.1%	12,167	11,388	-779	-6.4%
54.3%	11,975	11,367	-608	-5.1%
55.6%	11,948	11,343	-605	-5.1%
56.8%	11,941	11,330	-611	-5.1%
58.0%	11,511	11,080	-431	-3.7%
59.3%	11,500	11,026	-474	-4.1%
60.5%	11,284	10,950	-335	-3.0%
61.7%	11,210	10,856	-355	-3.2%
63.0%	11,208	10,832	-376	-3.4%
64.2%	11,143	10,654	-490	-4.4%
65.4%	11,051	10,550	-501	-4.5%
66.7%	10,906	10,476	-431	-4.0%
67.9%	10,796	10,439	-357	-3.3%
69.1%	10,778	10,392	-386	-3.6%
70.4%	10,690	10,376	-315	-2.9%
71.6%	10,683	10,117	-566	-5.3%
72.8%	10,635	10,070	-565	-5.3%
74.1%	10,415	10,057	-357	-3.4%
75.3%	10,379	10,013	-366	-3.5%
76.5%	10,296	9,959	-337	-3.3%
77.8%	10,260	9,908	-352	-3.4%
79.0%	10,063	9,904	-159	-1.6%
80.2%	10,036	9,899	-137	-1.4%
81.5%	9,989	9,810	-178	-1.8%
82.7%	9,986	9,754	-232	-2.3%
84.0%	9,944	9,749	-195	-2.0%
85.2%	9,729	9,734	5	0.1%
86.4%	9,723	9,717	-5	-0.1%
87.7%	9,632	9,459	-173	-1.8%
88.9%	9,560	9,434	-126	-1.3%
90.1%	9,518	9,400	-118	-1.2%
91.4%	9,437	9,186	-251	-2.7%
92.6%	9,298	8,971	-327	-3.5%
93.8%	9,230	8,798	-432	-4.7%
95.1%	9,180	8,568	-612	-6.7%
96.3%	9,016	8,409	-607	-6.7%
97.5%	8,980	8,050	-930	-10.4%
98.8%	8,430	8,000	-429	-5.1%
100.0%	7,793	7,105	-687	-8.8%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,571	20,059	4,488	28.8%
1.2%	15,350	19,662	4,312	28.1%
2.5%	15,269	19,074	3,806	24.9%
3.7%	15,217	18,774	3,557	23.4%
4.9%	15,104	18,685	3,581	23.7%
6.2%	15,103	18,671	3,568	23.6%
7.4%	15,019	18,327	3,308	22.0%
8.6%	15,011	17,794	2,783	18.5%
9.9%	15,005	16,540	1,535	10.2%
11.1%	14,989	15,965	976	6.5%
12.3%	14,985	15,661	676	4.5%
13.6%	14,944	15,282	338	2.3%
14.8%	14,935	15,278	342	2.3%
16.0%	14,908	15,237	329	2.2%
17.3%	14,899	15,145	246	1.7%
18.5%	14,868	15,145	277	1.9%
19.8%	14,864	15,139	275	1.8%
21.0%	14,810	15,090	279	1.9%
22.2%	14,803	15,069	266	1.8%
23.5%	14,779	15,047	268	1.8%
24.7%	14,762	14,931	169	1.1%
25.9%	14,729	14,909	180	1.2%
27.2%	14,725	14,860	135	0.9%
28.4%	14,716	14,855	140	0.9%
29.6%	14,708	14,850	142	1.0%
30.9%	14,686	14,802	116	0.8%
32.1%	14,677	14,773	96	0.7%
33.3%	14,673	14,749	77	0.5%
34.6%	14,669	14,738	69	0.5%
35.8%	14,655	14,723	67	0.5%
37.0%	14,632	14,722	90	0.6%
38.3%	14,589	14,711	123	0.8%
39.5%	14,585	14,648	63	0.4%
40.7%	14,539	14,643	103	0.7%
42.0%	14,500	14,629	130	0.9%
43.2%	14,474	14,617	142	1.0%
44.4%	14,428	14,616	189	1.3%
45.7%	14,422	14,575	153	1.1%
46.9%	14,391	14,465	73	0.5%
48.1%	14,377	14,457	81	0.6%
49.4%	14,359	14,435	76	0.5%
50.6%	14,355	14,414	59	0.4%
51.9%	14,337	14,242	-95	-0.7%
53.1%	14,304	14,194	-110	-0.8%
54.3%	14,288	14,187	-101	-0.7%
55.6%	14,250	14,086	-164	-1.2%
56.8%	14,243	13,974	-269	-1.9%
58.0%	14,204	13,966	-238	-1.7%
59.3%	14,085	13,847	-238	-1.7%
60.5%	14,001	13,769	-232	-1.7%
61.7%	13,895	13,649	-246	-1.8%
63.0%	13,895	13,562	-333	-2.4%
64.2%	13,664	13,441	-223	-1.6%
65.4%	13,649	13,331	-318	-2.3%
66.7%	13,608	13,264	-344	-2.5%
67.9%	13,605	13,235	-370	-2.7%
69.1%	13,463	13,204	-259	-1.9%
70.4%	13,195	13,120	-75	-0.6%
71.6%	13,145	13,080	-65	-0.5%
72.8%	13,112	12,968	-144	-1.1%
74.1%	12,974	12,894	-81	-0.6%
75.3%	12,927	12,886	-41	-0.3%
76.5%	12,898	12,876	-23	-0.2%
77.8%	12,542	12,806	264	2.1%
79.0%	12,524	12,625	100	0.8%
80.2%	12,317	12,123	-194	-1.6%
81.5%	12,276	12,095	-181	-1.5%
82.7%	12,215	11,996	-218	-1.8%
84.0%	11,926	11,920	-6	-0.1%
85.2%	11,885	11,667	-218	-1.8%
86.4%	11,789	11,523	-265	-2.2%
87.7%	11,186	11,477	292	2.6%
88.9%	11,127	11,472	345	3.1%
90.1%	10,967	11,433	466	4.2%
91.4%	10,902	11,299	396	3.6%
92.6%	10,870	11,296	426	3.9%
93.8%	10,264	11,267	1,003	9.8%
95.1%	10,158	11,089	931	9.2%
96.3%	9,550	11,035	1,485	15.5%
97.5%	9,394	10,475	1,081	11.5%
98.8%	8,441	9,552	1,111	13.2%
100.0%	6,814	6,919	106	1.5%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,509	12,628	-881	-6.5%
1.2%	13,234	12,048	-1,186	-9.0%
2.5%	12,397	11,886	-511	-4.1%
3.7%	12,025	11,549	-476	-4.0%
4.9%	12,006	11,132	-873	-7.3%
6.2%	11,973	11,080	-893	-7.5%
7.4%	11,882	10,996	-886	-7.5%
8.6%	11,850	10,965	-885	-7.5%
9.9%	11,648	10,955	-693	-5.9%
11.1%	11,635	10,926	-709	-6.1%
12.3%	11,357	10,778	-579	-5.1%
13.6%	11,333	10,653	-680	-6.0%
14.8%	11,231	10,471	-761	-6.8%
16.0%	11,053	10,465	-588	-5.3%
17.3%	11,048	10,458	-590	-5.3%
18.5%	11,003	10,451	-552	-5.0%
19.8%	10,820	10,408	-412	-3.8%
21.0%	10,756	10,389	-366	-3.4%
22.2%	10,747	10,345	-402	-3.7%
23.5%	10,684	10,322	-362	-3.4%
24.7%	10,626	10,312	-314	-3.0%
25.9%	10,607	10,266	-341	-3.2%
27.2%	10,599	10,253	-346	-3.3%
28.4%	10,499	10,225	-274	-2.6%
29.6%	10,474	10,207	-267	-2.6%
30.9%	10,442	10,189	-253	-2.4%
32.1%	10,347	10,100	-248	-2.4%
33.3%	10,330	10,083	-248	-2.4%
34.6%	10,294	10,076	-218	-2.1%
35.8%	10,115	10,040	-75	-0.7%
37.0%	9,995	9,983	-13	-0.1%
38.3%	9,900	9,956	57	0.6%
39.5%	9,680	9,940	260	2.7%
40.7%	9,670	9,915	245	2.5%
42.0%	9,667	9,890	223	2.3%
43.2%	9,645	9,882	237	2.5%
44.4%	9,548	9,881	333	3.5%
45.7%	9,487	9,815	328	3.5%
46.9%	9,453	9,788	335	3.5%
48.1%	9,439	9,782	343	3.6%
49.4%	9,302	9,736	435	4.7%
50.6%	9,295	9,731	436	4.7%
51.9%	9,272	9,726	454	4.9%
53.1%	9,143	9,706	563	6.2%
54.3%	9,143	9,699	556	6.1%
55.6%	9,038	9,663	625	6.9%
56.8%	8,999	9,661	663	7.4%
58.0%	8,982	9,661	679	7.6%
59.3%	8,981	9,629	648	7.2%
60.5%	8,900	9,607	707	7.9%
61.7%	8,873	9,605	732	8.2%
63.0%	8,850	9,603	754	8.5%
64.2%	8,831	9,586	755	8.5%
65.4%	8,795	9,582	787	8.9%
66.7%	8,765	9,535	771	8.8%
67.9%	8,751	9,513	761	8.7%
69.1%	8,742	9,497	755	8.6%
70.4%	8,703	9,462	759	8.7%
71.6%	8,559	9,422	863	10.1%
72.8%	8,544	9,394	849	9.9%
74.1%	8,543	9,355	812	9.5%
75.3%	8,540	9,353	813	9.5%
76.5%	8,519	9,341	822	9.6%
77.8%	8,499	9,329	831	9.8%
79.0%	8,474	9,315	842	9.9%
80.2%	8,434	9,308	874	10.4%
81.5%	8,413	9,259	846	10.1%
82.7%	8,371	9,255	885	10.6%
84.0%	8,298	9,195	897	10.8%
85.2%	8,293	9,067	774	9.3%
86.4%	8,157	9,065	908	11.1%
87.7%	8,053	9,020	967	12.0%
88.9%	8,014	8,986	972	12.1%
90.1%	7,982	8,834	852	10.7%
91.4%	7,861	8,794	934	11.9%
92.6%	7,762	8,546	783	10.1%
93.8%	7,686	8,417	731	9.5%
95.1%	7,684	8,413	729	9.5%
96.3%	7,625	8,368	743	9.7%
97.5%	7,578	8,015	437	5.8%
98.8%	6,429	7,183	754	11.7%
100.0%	3,573	3,834	260	7.3%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,834	16,469	634	4.0%
1.2%	15,816	16,087	271	1.7%
2.5%	15,703	15,778	74	0.5%
3.7%	15,536	15,645	109	0.7%
4.9%	15,488	15,621	133	0.9%
6.2%	15,383	15,471	88	0.6%
7.4%	15,336	15,324	-12	-0.1%
8.6%	15,217	15,263	46	0.3%
9.9%	15,105	15,201	95	0.6%
11.1%	15,104	15,132	28	0.2%
12.3%	15,073	15,080	7	0.0%
13.6%	15,041	14,996	-45	-0.3%
14.8%	15,005	14,928	-77	-0.5%
16.0%	14,941	14,872	-70	-0.5%
17.3%	14,896	14,687	-210	-1.4%
18.5%	14,844	14,685	-159	-1.1%
19.8%	14,749	14,467	-282	-1.9%
21.0%	14,674	14,116	-558	-3.8%
22.2%	14,316	13,831	-485	-3.4%
23.5%	13,656	13,289	-367	-2.7%
24.7%	13,395	12,934	-460	-3.4%
25.9%	13,011	12,823	-187	-1.4%
27.2%	12,954	12,308	-646	-5.0%
28.4%	12,646	12,025	-621	-4.9%
29.6%	12,098	11,320	-777	-6.4%
30.9%	11,982	11,093	-889	-7.4%
32.1%	11,930	10,118	-1,812	-15.2%
33.3%	11,409	9,735	-1,674	-14.7%
34.6%	10,717	9,094	-1,623	-15.1%
35.8%	10,241	8,193	-2,047	-20.0%
37.0%	9,983	8,137	-1,846	-18.5%
38.3%	9,853	7,967	-1,886	-19.1%
39.5%	8,703	7,830	-872	-10.0%
40.7%	8,700	7,539	-1,161	-13.3%
42.0%	8,341	7,334	-1,008	-12.1%
43.2%	8,141	7,025	-1,116	-13.7%
44.4%	7,624	6,871	-753	-9.9%
45.7%	7,058	6,782	-275	-3.9%
46.9%	6,936	6,761	-175	-2.5%
48.1%	6,921	6,742	-179	-2.6%
49.4%	6,521	6,742	221	3.4%
50.6%	6,328	6,598	270	4.3%
51.9%	6,151	6,554	403	6.6%
53.1%	6,080	6,520	440	7.2%
54.3%	6,011	6,417	406	6.8%
55.6%	5,745	6,394	649	11.3%
56.8%	5,665	6,390	725	12.8%
58.0%	5,640	6,359	719	12.7%
59.3%	5,632	6,328	697	12.4%
60.5%	5,576	6,313	737	13.2%
61.7%	5,464	6,311	847	15.5%
63.0%	5,397	6,235	838	15.5%
64.2%	5,391	6,220	829	15.4%
65.4%	5,102	6,205	1,103	21.6%
66.7%	4,994	6,157	1,162	23.3%
67.9%	4,983	6,143	1,160	23.3%
69.1%	4,943	6,142	1,200	24.3%
70.4%	4,850	6,116	1,266	26.1%
71.6%	4,844	6,057	1,214	25.1%
72.8%	4,812	5,998	1,186	24.6%
74.1%	4,771	5,951	1,180	24.7%
75.3%	4,731	5,949	1,218	25.7%
76.5%	4,716	5,796	1,080	22.9%
77.8%	4,551	5,767	1,217	26.7%
79.0%	4,546	5,763	1,217	26.8%
80.2%	4,542	5,762	1,220	26.9%
81.5%	4,541	5,754	1,213	26.7%
82.7%	4,538	5,629	1,091	24.0%
84.0%	4,498	5,620	1,122	24.9%
85.2%	4,495	5,618	1,123	25.0%
86.4%	4,477	5,584	1,107	24.7%
87.7%	4,409	5,552	1,143	25.9%
88.9%	4,371	5,540	1,168	26.7%
90.1%	4,315	5,494	1,179	27.3%
91.4%	4,221	5,419	1,198	28.4%
92.6%	4,127	5,236	1,108	26.9%
93.8%	4,098	5,212	1,114	27.2%
95.1%	4,086	5,197	1,111	27.2%
96.3%	4,066	5,139	1,073	26.4%
97.5%	3,951	5,050	1,099	27.8%
98.8%	3,898	5,004	1,107	28.4%
100.0%	3,693	4,668	975	26.4%

Figure SW-13-b
Sacramento River below Hamilton City, Monthly Flow
Probability of Exceedance

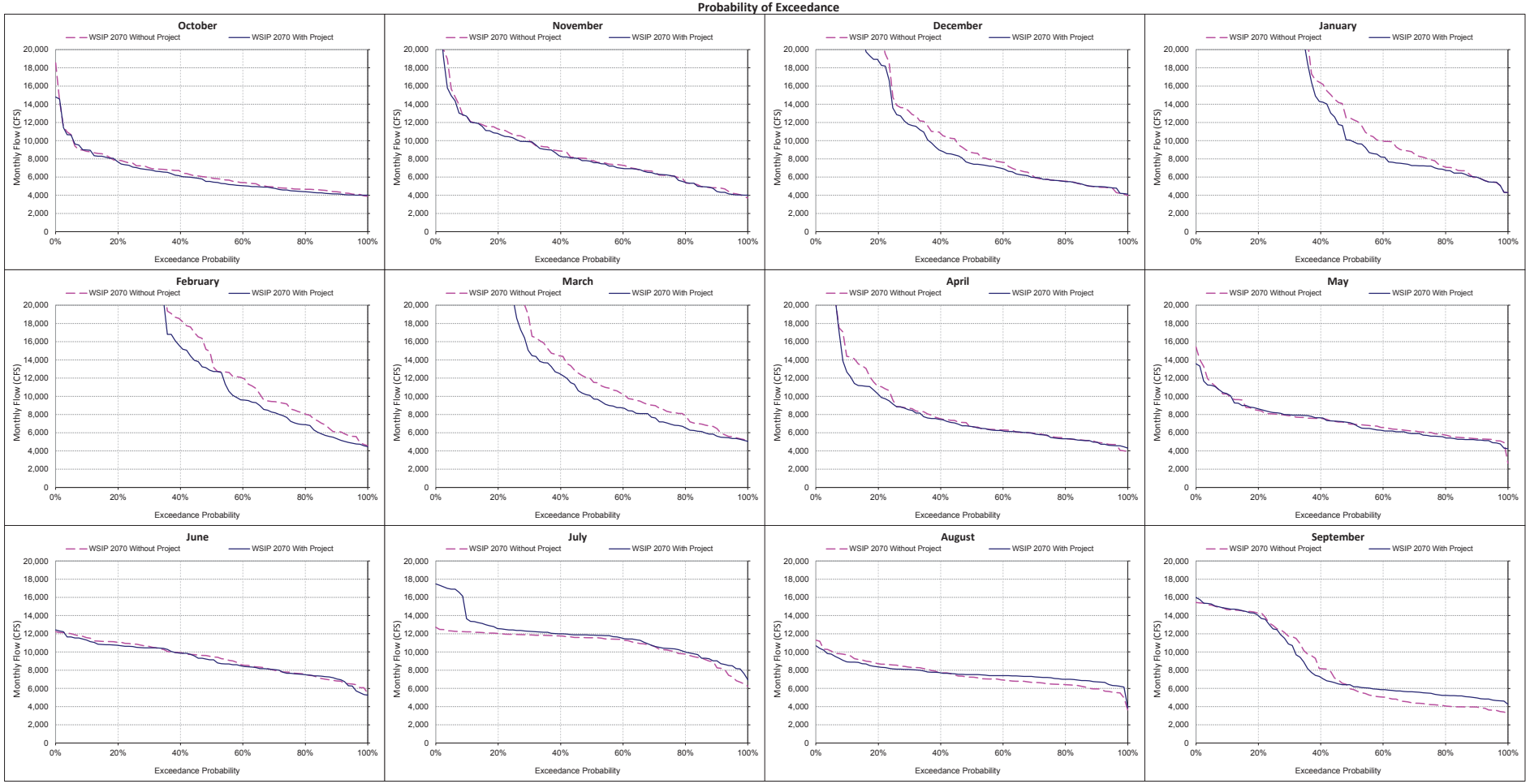


Table SW-13-b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,552	14,808	-3,743	-20.2%
1.2%	14,491	14,572	81	0.6%
2.5%	11,541	11,417	-123	-1.1%
3.7%	10,959	10,668	-291	-2.7%
4.9%	10,659	10,640	-19	-0.2%
6.2%	9,420	9,626	206	2.2%
7.4%	8,999	9,511	512	5.7%
8.6%	8,972	9,009	37	0.4%
9.9%	8,833	8,982	149	1.7%
11.1%	8,780	8,953	173	2.0%
12.3%	8,662	8,334	-328	-3.8%
13.6%	8,595	8,289	-306	-3.6%
14.8%	8,564	8,282	-282	-3.3%
16.0%	8,406	8,182	-224	-2.7%
17.3%	8,170	8,066	-104	-1.3%
18.5%	7,884	8,058	174	2.2%
19.8%	7,860	7,715	-146	-1.9%
21.0%	7,816	7,422	-394	-5.0%
22.2%	7,678	7,363	-315	-4.1%
23.5%	7,552	7,297	-255	-3.4%
24.7%	7,534	7,094	-439	-5.8%
25.9%	7,236	7,028	-208	-2.9%
27.2%	7,236	6,915	-320	-4.4%
28.4%	7,230	6,856	-373	-5.2%
29.6%	7,049	6,808	-241	-3.4%
30.9%	6,926	6,744	-183	-2.6%
32.1%	6,900	6,641	-259	-3.8%
33.3%	6,867	6,607	-260	-3.8%
34.6%	6,842	6,555	-287	-4.2%
35.8%	6,789	6,518	-271	-4.0%
37.0%	6,785	6,381	-404	-5.9%
38.3%	6,728	6,195	-533	-7.9%
39.5%	6,722	6,158	-563	-8.4%
40.7%	6,412	6,045	-367	-5.7%
42.0%	6,390	6,014	-376	-5.9%
43.2%	6,256	5,970	-286	-4.6%
44.4%	6,143	5,918	-225	-3.7%
45.7%	6,116	5,869	-247	-4.0%
46.9%	6,049	5,792	-257	-4.3%
48.1%	5,998	5,531	-467	-7.8%
49.4%	5,941	5,529	-412	-6.9%
50.6%	5,847	5,423	-424	-7.3%
51.9%	5,816	5,398	-418	-7.2%
53.1%	5,769	5,303	-465	-8.1%
54.3%	5,689	5,279	-411	-7.2%
55.6%	5,660	5,190	-470	-8.3%
56.8%	5,534	5,159	-375	-6.8%
58.0%	5,492	5,092	-400	-7.3%
59.3%	5,406	5,065	-341	-6.3%
60.5%	5,398	5,036	-362	-6.7%
61.7%	5,323	4,998	-325	-6.1%
63.0%	5,297	4,963	-334	-6.3%
64.2%	5,264	4,942	-322	-6.1%
65.4%	5,054	4,926	-128	-2.5%
66.7%	5,051	4,900	-151	-3.0%
67.9%	4,953	4,898	-55	-1.1%
69.1%	4,933	4,806	-127	-2.6%
70.4%	4,897	4,763	-134	-2.7%
71.6%	4,817	4,637	-180	-3.7%
72.8%	4,794	4,579	-215	-4.5%
74.1%	4,773	4,569	-203	-4.3%
75.3%	4,755	4,495	-259	-5.5%
76.5%	4,690	4,467	-222	-4.7%
77.8%	4,679	4,442	-237	-5.1%
79.0%	4,665	4,405	-259	-5.6%
80.2%	4,656	4,372	-284	-6.1%
81.5%	4,655	4,340	-315	-6.8%
82.7%	4,625	4,290	-335	-7.2%
84.0%	4,613	4,271	-342	-7.4%
85.2%	4,571	4,256	-315	-6.9%
86.4%	4,537	4,207	-330	-7.3%
87.7%	4,467	4,187	-281	-6.3%
88.9%	4,406	4,149	-257	-5.8%
90.1%	4,388	4,142	-246	-5.6%
91.4%	4,329	4,128	-201	-4.6%
92.6%	4,247	4,056	-191	-4.5%
93.8%	4,222	4,053	-170	-4.0%
95.1%	4,126	4,048	-78	-1.9%
96.3%	4,101	4,013	-88	-2.2%
97.5%	4,076	4,011	-65	-1.6%
98.8%	3,939	4,010	72	1.8%
100.0%	3,892	4,003	111	2.8%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	26,641	27,527	886	3.3%
1.2%	25,290	23,939	-1,351	-5.3%
2.5%	20,013	19,161	-852	-4.3%
3.7%	18,964	15,792	-3,172	-16.7%
4.9%	15,683	14,927	-756	-4.8%
6.2%	14,814	14,374	-440	-3.0%
7.4%	13,982	13,015	-967	-6.9%
8.6%	12,793	12,848	55	0.4%
9.9%	12,687	12,692	5	0.0%
11.1%	12,103	12,024	-79	-0.7%
12.3%	11,942	11,959	17	0.1%
13.6%	11,910	11,895	-15	-0.1%
14.8%	11,765	11,561	-205	-1.7%
16.0%	11,581	11,125	-455	-3.9%
17.3%	11,538	11,095	-442	-3.8%
18.5%	11,529	10,857	-672	-5.8%
19.8%	11,302	10,807	-495	-4.4%
21.0%	11,176	10,605	-571	-5.1%
22.2%	11,114	10,457	-657	-5.9%
23.5%	10,896	10,418	-478	-4.4%
24.7%	10,682	10,322	-360	-3.4%
25.9%	10,553	10,079	-474	-4.5%
27.2%	10,533	9,930	-602	-5.7%
28.4%	10,337	9,919	-418	-4.0%
29.6%	10,119	9,900	-219	-2.2%
30.9%	9,760	9,863	103	1.1%
32.1%	9,425	9,519	95	1.0%
33.3%	9,421	9,140	-281	-3.0%
34.6%	9,332	9,047	-285	-3.0%
35.8%	9,304	9,005	-299	-3.2%
37.0%	9,003	8,987	-16	-0.2%
38.3%	8,937	8,702	-235	-2.6%
39.5%	8,869	8,337	-532	-6.0%
40.7%	8,842	8,202	-640	-7.2%
42.0%	8,705	8,193	-513	-5.9%
43.2%	8,181	8,104	-77	-0.9%
44.4%	8,179	8,078	-100	-1.2%
45.7%	8,096	8,029	-67	-0.8%
46.9%	8,071	7,793	-278	-3.4%
48.1%	8,048	7,792	-256	-3.2%
49.4%	7,831	7,757	-74	-0.9%
50.6%	7,791	7,587	-205	-2.6%
51.9%	7,607	7,571	-36	-0.5%
53.1%	7,594	7,466	-128	-1.7%
54.3%	7,544	7,441	-103	-1.4%
55.6%	7,418	7,213	-205	-2.8%
56.8%	7,386	7,197	-189	-2.6%
58.0%	7,385	7,046	-339	-4.6%
59.3%	7,320	6,982	-339	-4.6%
60.5%	7,271	6,925	-345	-4.7%
61.7%	7,089	6,918	-170	-2.4%
63.0%	6,980	6,913	-67	-1.0%
64.2%	6,911	6,859	-53	-0.8%
65.4%	6,769	6,818	49	0.7%
66.7%	6,726	6,622	-105	-1.6%
67.9%	6,684	6,514	-170	-2.5%
69.1%	6,660	6,486	-174	-2.6%
70.4%	6,506	6,350	-155	-2.4%
71.6%	6,219	6,296	77	1.2%
72.8%	6,201	6,254	53	0.8%
74.1%	6,189	6,228	39	0.6%
75.3%	6,151	6,155	5	0.1%
76.5%	6,087	6,093	5	0.1%
77.8%	5,932	5,635	-297	-5.0%
79.0%	5,869	5,512	-357	-6.1%
80.2%	5,340	5,384	44	0.8%
81.5%	5,317	5,336	19	0.4%
82.7%	5,270	5,314	45	0.9%
84.0%	5,152	4,973	-180	-3.5%
85.2%	4,937	4,955	18	0.4%
86.4%	4,908	4,911	3	0.1%
87.7%	4,852	4,904	52	1.1%
88.9%	4,824	4,754	-70	-1.4%
90.1%	4,821	4,405	-415	-8.6%
91.4%	4,782	4,336	-446	-9.3%
92.6%	4,699	4,333	-366	-7.8%
93.8%	4,420	4,155	-265	-6.0%
95.1%	4,226	4,109	-116	-2.7%
96.3%	4,154	4,043	-111	-2.7%
97.5%	4,054	4,028	-26	-0.6%
98.8%	3,868	4,023	155	4.0%
100.0%	3,706	4,011	304	8.2%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,783	59,361	-422	-0.7%
1.2%	47,189	47,554	365	0.8%
2.5%	45,341	43,920	-1,422	-3.1%
3.7%	43,564	39,996	-3,569	-8.2%
4.9%	42,463	38,901	-3,562	-8.4%
6.2%	40,417	37,833	-2,584	-6.4%
7.4%	39,247	36,867	-2,379	-6.1%
8.6%	36,869	35,885	-984	-2.7%
9.9%	30,595	28,428	-2,167	-7.1%
11.1%	28,714	26,893	-1,821	-6.3%
12.3%	25,395	22,520	-2,874	-11.3%
13.6%	24,158	21,847	-2,311	-9.6%
14.8%	23,338	21,717	-1,620	-6.9%
16.0%	23,328	19,765	-3,563	-15.3%
17.3%	22,633	19,338	-3,294	-14.6%
18.5%	22,494	18,936	-3,558	-15.8%
19.8%	21,717	18,928	-2,790	-12.8%
21.0%	21,434	18,290	-3,144	-14.7%
22.2%	19,554	18,192	-1,361	-7.0%
23.5%	18,634	16,629	-2,005	-10.8%
24.7%	14,759	13,611	-1,148	-7.8%
25.9%	13,879	12,844	-1,036	-7.5%
27.2%	13,637	12,723	-914	-6.7%
28.4%	13,613	12,146	-1,467	-10.8%
29.6%	13,310	11,792	-1,518	-11.4%
30.9%	12,877	11,656	-1,221	-9.5%
32.1%	12,718	11,575	-1,143	-9.0%
33.3%	12,167	11,197	-970	-8.0%
34.6%	12,131	10,950	-1,182	-9.7%
35.8%	11,654	10,079	-1,576	-13.5%
37.0%	11,019	9,753	-1,265	-11.5%
38.3%	10,976	9,307	-1,669	-15.2%
39.5%	10,949	8,967	-1,982	-18.1%
40.7%	10,542	8,802	-1,740	-16.5%
42.0%	10,394	8,572	-1,822	-17.5%
43.2%	10,258	8,555	-1,703	-16.6%
44.4%	10,216	8,447	-1,770	-17.3%
45.7%	9,537	8,314	-1,223	-12.8%
46.9%	9,274	8,080	-1,194	-12.9%
48.1%	8,967	7,656	-1,311	-14.6%
49.4%	8,728	7,524	-1,204	-13.8%
50.6%	8,643	7,406	-1,237	-14.3%
51.9%	8,598	7,402	-1,196	-13.9%
53.1%	8,101	7,343	-758	-9.4%
54.3%	8,078	7,294	-784	-9.7%
55.6%	7,943	7,202	-741	-9.3%
56.8%	7,885	7,172	-713	-9.0%
58.0%	7,721	7,055	-666	-8.6%
59.3%	7,656	6,966	-690	-9.0%
60.5%	7,592	6,861	-731	-9.6%
61.7%	7,175	6,645	-530	-7.4%
63.0%	6,969	6,572	-397	-5.7%
64.2%	6,796	6,364	-432	-6.4%
65.4%	6,714	6,252	-462	-6.9%
66.7%	6,594	6,207	-388	-5.9%
67.9%	6,526	6,139	-388	-5.9%
69.1%	6,242	5,980	-262	-4.2%
70.4%	5,925	5,938	13	0.2%
71.6%	5,828	5,930	102	1.7%
72.8%	5,757	5,764	8	0.1%
74.1%	5,748	5,745	-3	0.0%
75.3%	5,672	5,662	-10	-0.2%
76.5%	5,628	5,625	-4	-0.1%
77.8%	5,620	5,621	1	0.0%
79.0%	5,557	5,555	-2	0.0%
80.2%	5,544	5,494	-49	-0.9%
81.5%	5,504	5,483	-21	-0.4%
82.7%	5,438	5,416	-23	-0.4%
84.0%	5,293	5,316	23	0.4%
85.2%	5,199	5,225	25	0.5%
86.4%	5,099	5,108	9	0.2%
87.7%	5,000	5,011	11	0.2%
88.9%	4,961	4,993	32	0.6%
90.1%	4,921	4,960	39	0.8%
91.4%	4,870	4,956	86	1.8%
92.6%	4,867	4,914	47	1.0%
93.8%	4,814	4,855	42	0.9%
95.1%	4,788	4,807	19	0.4%
96.3%	4,297	4,792	495	11.5%
97.5%	4,196	4,197	1	0.0%
98.8%	4,122	4,176	54	1.3%
100.0%	3,959	4,127	168	4.2%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	97,774	97,175	-598	-0.6%
1.2%	78,930	77,928	-1,002	-1.3%
2.5%	77,305	75,379	-1,927	-2.5%
3.7%	75,547	74,884	-663	-0.9%
4.9%	75,385	74,212	-1,172	-1.6%
6.2%	64,256	61,837	-2,419	-3.8%
7.4%	53,646	54,261	615	1.1%
8.6%	47,216	44,013	-3,203	-6.8%
9.9%	46,012	43,919	-2,094	-4.6%
11.1%	44,783	43,587	-1,196	-2.7%
12.3%	44,013	41,605	-2,409	-5.5%
13.6%	38,844	36,628	-2,216	-5.7%
14.8%	38,754	36,415	-2,339	-6.0%
16.0%	38,145	36,107	-2,038	-5.3%
17.3%	34,915	32,496	-2,419	-6.9%
18.5%	31,491	31,730	239	0.8%
19.8%	29,194	26,767	-2,427	-8.3%
21.0%	28,436	26,747	-1,689	-5.9%
22.2%	28,085	25,407	-2,678	-9.5%
23.5%	27,829	24,870	-2,959	-10.6%
24.7%	27,674	24,465	-3,209	-11.6%
25.9%	26,062	24,094	-1,968	-7.5%
27.2%	25,741	23,870	-1,870	-7.3%
28.4%	24,642	23,629	-1,012	-4.1%
29.6%	24,554	22,633	-1,921	-7.8%
30.9%	24,426	22,190	-2,236	-9.2%
32.1%	23,474	22,112	-1,362	-5.8%
33.3%	22,792	21,324	-1,468	-6.4%
34.6%	21,777	21,032	-745	-3.4%
35.8%	20,924	18,487	-2,437	-11.6%
37.0%	17,339	16,428	-911	-5.3%
38.3%	16,673	14,906	-1,767	-10.6%
39.5%	16,428	14,311	-2,117	-12.9%
40.7%	16,187	14,236	-1,951	-12.1%
42.0%	15,464	14,023	-1,440	-9.3%
43.2%	15,041	13,034	-2,007	-13.3%
44.4%	14,559	12,612	-1,946	-13.4%
45.7%	14,199	11,773	-2,427	-17.1%
46.9%	14,081	11,645	-2,436	-17.3%
48.1%	12,510	10,082	-2,428	-19.4%
49.4%	12,493	10,052	-2,441	-19.5%
50.6%	12,281	9,849	-2,432	-19.8%
51.9%	12,090	9,662	-2,428	-20.1%
53.1%	11,670	9,634	-2,036	-17.4%
54.3%	10,937	9,240	-1,697	-15.5%
55.6%	10,599	8,703	-1,896	-17.9%
56.8%	10,433	8,577	-1,857	-17.8%
58.0%	10,068	8,509	-1,560	-15.5%
59.3%	10,035	8,212	-1,823	-18.2%
60.5%	9,920	8,189	-1,730	-17.4%
61.7%	9,910	7,674	-2,236	-22.6%
63.0%	9,869	7,644	-2,225	-22.5%
64.2%	9,293	7,540	-1,753	-18.9%
65.4%	9,027	7,509	-1,517	-16.8%
66.7%	8,923	7,476	-1,447	-16.2%
67.9%	8,873	7,394	-1,479	-16.7%
69.1%	8,783	7,256	-1,527	-17.4%
70.4%	8,431	7,254	-1,177	-14.0%
71.6%	8,269	7,233	-1,036	-12.5%
72.8%	8,176	7,221	-954	-11.7%
74.1%	8,030	7,219	-811	-10.1%
75.3%	7,898	7,199	-698	-8.8%
76.5%	7,790	7,005	-784	-10.1%
77.8%	7,391	6,891	-500	-6.8%
79.0%	7,199	6,862	-337	-4.7%
80.2%	7,060	6,725	-335	-4.7%
81.5%	7,050	6,688	-361	-5.1%
82.7%	6,962	6,446	-515	-7.4%
84.0%	6,724	6,441	-283	-4.2%
85.2%	6,696	6,438	-258	-3.9%
86.4%	6,689	6,293	-395	-5.9%
87.7%	6,306	6,105	-201	-3.2%
88.9%	5,965	6,036	71	1.2%
90.1%	5,964	5,971	8	0.1%
91.4%	5,816	5,814	-1	0.0%
92.6%	5,609	5,599	-10	-0.2%
93.8%	5,479	5,461	-18	-0.3%
95.1%	5,452	5,443	-9	-0.2%
96.3%	5,401	5,438	37	0.7%
97.5%	5,066	5,062	-4	-0.1%
98.8%	4,331	4,332	0	0.0%
100.0%	4,285	4,282	-3	-0.1%

Table SW-13-b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	107,871	107,874	3	0.0%
1.2%	103,429	100,869	-2,560	-2.5%
2.5%	77,720	76,200	-1,520	-2.0%
3.7%	76,297	73,734	-2,563	-3.4%
4.9%	70,600	68,276	-2,324	-3.3%
6.2%	68,336	68,050	-286	-0.4%
7.4%	61,965	61,964	-1	0.0%
8.6%	55,647	54,806	-841	-1.5%
9.9%	54,497	53,971	-526	-1.0%
11.1%	54,388	53,083	-1,306	-2.4%
12.3%	53,076	51,980	-1,096	-2.1%
13.6%	52,933	50,655	-2,279	-4.3%
14.8%	52,055	50,547	-1,508	-2.9%
16.0%	48,254	48,093	-162	-0.3%
17.3%	48,092	45,703	-2,389	-5.0%
18.5%	41,049	39,233	-1,816	-4.4%
19.8%	40,635	38,083	-2,552	-6.3%
21.0%	40,215	37,643	-2,572	-6.4%
22.2%	38,936	36,375	-2,561	-6.6%
23.5%	34,867	32,304	-2,563	-7.4%
24.7%	33,725	31,154	-2,571	-7.6%
25.9%	29,333	30,421	1,088	3.7%
27.2%	28,709	28,177	-532	-1.9%
28.4%	27,163	26,807	-356	-1.3%
29.6%	26,691	25,468	-1,224	-4.6%
30.9%	26,423	24,636	-1,787	-6.8%
32.1%	25,532	24,121	-1,411	-5.5%
33.3%	23,169	22,450	-719	-3.1%
34.6%	22,610	20,603	-2,008	-8.9%
35.8%	19,360	16,798	-2,562	-13.2%
37.0%	19,091	16,791	-2,300	-12.0%
38.3%	18,690	16,126	-2,564	-13.7%
39.5%	18,556	15,608	-2,948	-15.9%
40.7%	18,167	15,175	-2,991	-16.5%
42.0%	17,743	15,055	-2,688	-15.2%
43.2%	17,621	14,435	-3,185	-18.1%
44.4%	17,006	13,965	-3,041	-17.9%
45.7%	16,531	13,798	-2,733	-16.5%
46.9%	16,367	13,247	-3,120	-19.1%
48.1%	15,162	13,159	-2,003	-13.2%
49.4%	14,944	12,878	-2,066	-13.8%
50.6%	13,166	12,719	-447	-3.4%
51.9%	12,719	12,714	-5	0.0%
53.1%	12,711	12,616	-95	-0.7%
54.3%	12,674	11,340	-1,333	-10.5%
55.6%	12,619	10,551	-2,068	-16.4%
56.8%	12,174	10,109	-2,065	-17.0%
58.0%	12,155	9,886	-2,269	-18.7%
59.3%	12,089	9,610	-2,479	-20.5%
60.5%	11,921	9,592	-2,329	-19.5%
61.7%	11,342	9,518	-1,824	-16.1%
63.0%	11,137	9,369	-1,769	-15.9%
64.2%	10,861	9,315	-1,546	-14.2%
65.4%	10,234	8,987	-1,246	-12.2%
66.7%	9,604	8,572	-1,032	-10.7%
67.9%	9,498	8,465	-1,034	-10.9%
69.1%	9,434	8,286	-1,148	-12.2%
70.4%	9,415	8,180	-1,235	-13.1%
71.6%	9,329	8,029	-1,300	-13.9%
72.8%	9,251	7,878	-1,373	-14.8%
74.1%	9,161	7,669	-1,491	-16.3%
75.3%	8,599	7,237	-1,362	-15.8%
76.5%	8,485	7,082	-1,403	-16.5%
77.8%	8,315	6,949	-1,366	-16.4%
79.0%	8,209	6,893	-1,316	-16.0%
80.2%	8,026	6,867	-1,158	-14.4%
81.5%	7,911	6,805	-1,106	-14.0%
82.7%	7,516	6,306	-1,210	-16.1%
84.0%	7,315	6,041	-1,274	-17.4%
85.2%	7,051	5,880	-1,171	-16.6%
86.4%	6,864	5,699	-1,165	-17.0%
87.7%	6,472	5,602	-870	-13.4%
88.9%	6,125	5,515	-610	-10.0%
90.1%	6,101	5,337	-764	-12.5%
91.4%	6,098	5,165	-933	-15.3%
92.6%	5,880	5,046	-834	-14.2%
93.8%	5,697	4,933	-763	-13.4%
95.1%	5,606	4,863	-743	-13.3%
96.3%	5,587	4,758	-829	-14.8%
97.5%	4,899	4,725	-174	-3.6%
98.8%	4,723	4,569	-154	-3.3%
100.0%	4,564	4,492	-72	-1.6%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	95,185	95,185	0	0.0%
1.2%	86,530	82,624	-3,906	-4.5%
2.5%	66,097	62,191	-3,907	-5.9%
3.7%	56,822	56,824	2	0.0%
4.9%	45,685	43,985	-1,699	-3.7%
6.2%	41,773	37,860	-3,913	-9.4%
7.4%	40,227	37,438	-2,788	-6.9%
8.6%	39,171	36,322	-2,849	-7.3%
9.9%	38,950	35,245	-3,705	-9.5%
11.1%	34,167	30,258	-3,909	-11.4%
12.3%	28,210	28,196	-14	0.0%
13.6%	27,216	27,098	-117	-0.4%
14.8%	26,137	26,175	38	0.1%
16.0%	25,735	25,373	-362	-1.4%
17.3%	25,401	24,770	-631	-2.5%
18.5%	25,099	23,898	-1,201	-4.8%
19.8%	24,795	23,508	-1,287	-5.2%
21.0%	24,048	22,570	-1,478	-6.1%
22.2%	23,399	21,441	-1,958	-8.4%
23.5%	22,719	20,887	-1,831	-8.1%
24.7%	22,578	20,870	-1,708	-7.6%
25.9%	21,680	18,581	-3,100	-14.3%
27.2%	20,474	17,316	-3,159	-15.4%
28.4%	20,086	16,447	-3,639	-18.1%
29.6%	18,970	15,060	-3,910	-20.6%
30.9%	16,592	14,459	-2,133	-12.9%
32.1%	16,435	14,388	-2,047	-12.5%
33.3%	16,100	13,836	-2,264	-14.1%
34.6%	15,860	13,704	-2,156	-13.6%
35.8%	15,260	13,653	-1,607	-10.5%
37.0%	14,731	13,261	-1,470	-10.0%
38.3%	14,630	12,685	-1,945	-13.3%
39.5%	14,457	12,524	-1,933	-13.4%
40.7%	14,388	12,278	-2,110	-14.7%
42.0%	13,610	11,971	-1,640	-12.0%
43.2%	13,363	11,485	-1,878	-14.1%
44.4%	12,877	11,340	-1,538	-11.9%
45.7%	12,547	10,614	-1,933	-15.4%
46.9%	12,276	10,344	-1,932	-15.7%
48.1%	12,060	10,184	-1,876	-15.6%
49.4%	12,018	10,099	-1,919	-16.0%
50.6%	11,523	9,703	-1,820	-15.8%
51.9%	11,488	9,685	-1,803	-15.7%
53.1%	11,150	9,423	-1,727	-15.5%
54.3%	10,981	9,121	-1,860	-16.9%
55.6%	10,893	8,976	-1,917	-17.6%
56.8%	10,695	8,944	-1,751	-16.4%
58.0%	10,607	8,774	-1,833	-17.3%
59.3%	10,353	8,760	-1,592	-15.4%
60.5%	10,163	8,666	-1,497	-14.7%
61.7%	9,743	8,409	-1,334	-13.7%
63.0%	9,686	8,384	-1,302	-13.4%
64.2%	9,564	8,146	-1,418	-14.8%
65.4%	9,473	8,106	-1,367	-14.4%
66.7%	9,273	8,104	-1,169	-12.6%
67.9%	9,096	8,101	-995	-10.9%
69.1%	9,027	7,703	-1,324	-14.7%
70.4%	8,974	7,606	-1,367	-15.2%
71.6%	8,709	7,198	-1,511	-17.3%
72.8%	8,574	7,195	-1,378	-16.1%
74.1%	8,350	7,082	-1,268	-15.2%
75.3%	8,248	6,926	-1,322	-16.0%
76.5%	8,220	6,829	-1,392	-16.9%
77.8%	8,119	6,787	-1,332	-16.4%
79.0%	8,115	6,713	-1,401	-17.3%
80.2%	7,776	6,502	-1,274	-16.4%
81.5%	7,200	6,286	-914	-12.7%
82.7%	7,058	6,241	-817	-11.6%
84.0%	7,005	6,177	-828	-11.8%
85.2%	6,946	6,135	-811	-11.7%
86.4%	6,830	5,963	-868	-12.7%
87.7%	6,748	5,861	-887	-13.1%
88.9%	6,688	5,860	-828	-12.4%
90.1%	6,448	5,624	-824	-12.8%
91.4%	5,959	5,514	-444	-7.5%
92.6%	5,783	5,484	-299	-5.2%
93.8%	5,593	5,446	-147	-2.6%
95.1%	5,574	5,355	-220	-3.9%
96.3%	5,443	5,355	-88	-1.6%
97.5%	5,333	5,285	-49	-0.9%
98.8%	5,244	5,169	-75	-1.4%
100.0%	5,007	5,052	45	0.9%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,514	41,676	-2,838	-6.4%
1.2%	35,843	36,018	175	0.5%
2.5%	29,983	28,715	-1,268	-4.2%
3.7%	25,075	25,095	20	0.1%
4.9%	24,221	23,780	-442	-1.8%
6.2%	20,817	20,817	0	0.0%
7.4%	17,526	17,114	-412	-2.3%
8.6%	17,080	13,858	-3,222	-18.9%
9.9%	14,389	12,676	-1,713	-11.9%
11.1%	14,325	12,152	-2,173	-15.2%
12.3%	14,116	11,408	-2,708	-19.2%
13.6%	13,566	11,175	-2,391	-17.6%
14.8%	13,351	11,167	-2,185	-16.4%
16.0%	13,067	11,087	-1,979	-15.1%
17.3%	12,147	11,071	-1,076	-8.9%
18.5%	11,567	10,689	-878	-7.6%
19.8%	11,128	10,313	-816	-7.3%
21.0%	11,058	9,885	-1,173	-10.6%
22.2%	10,824	9,723	-1,102	-10.2%
23.5%	10,636	9,505	-1,131	-10.6%
24.7%	9,572	9,157	-415	-4.3%
25.9%	8,885	8,852	-33	-0.4%
27.2%	8,824	8,849	25	0.3%
28.4%	8,761	8,692	-69	-0.8%
29.6%	8,706	8,532	-174	-2.0%
30.9%	8,640	8,436	-204	-2.4%
32.1%	8,383	8,175	-208	-2.5%
33.3%	8,343	8,160	-183	-2.2%
34.6%	8,303	7,757	-546	-6.6%
35.8%	8,071	7,623	-448	-5.6%
37.0%	7,935	7,573	-362	-4.6%
38.3%	7,708	7,573	-136	-1.8%
39.5%	7,580	7,484	-97	-1.3%
40.7%	7,469	7,429	-40	-0.5%
42.0%	7,448	7,247	-201	-2.7%
43.2%	7,360	7,141	-219	-3.0%
44.4%	7,356	7,085	-272	-3.7%
45.7%	7,148	6,948	-200	-2.8%
46.9%	7,132	6,762	-369	-5.2%
48.1%	7,114	6,753	-361	-5.1%
49.4%	6,623	6,700	77	1.2%
50.6%	6,613	6,637	24	0.4%
51.9%	6,612	6,548	-64	-1.0%
53.1%	6,456	6,489	33	0.5%
54.3%	6,434	6,450	16	0.3%
55.6%	6,374	6,330	-44	-0.7%
56.8%	6,365	6,266	-99	-1.6%
58.0%	6,325	6,263	-62	-1.0%
59.3%	6,315	6,241	-73	-1.2%
60.5%	6,302	6,158	-144	-2.3%
61.7%	6,275	6,129	-146	-2.3%
63.0%	6,264	6,127	-137	-2.2%
64.2%	6,073	6,104	31	0.5%
65.4%	6,051	6,066	15	0.2%
66.7%	5,990	6,021	31	0.5%
67.9%	5,981	6,020	39	0.7%
69.1%	5,973	5,964	-9	-0.2%
70.4%	5,933	5,844	-89	-1.5%
71.6%	5,874	5,804	-70	-1.2%
72.8%	5,797	5,765	-32	-0.5%
74.1%	5,680	5,732	52	0.9%
75.3%	5,620	5,489	-131	-2.3%
76.5%	5,525	5,409	-115	-2.1%
77.8%	5,474	5,369	-105	-1.9%
79.0%	5,464	5,339	-125	-2.3%
80.2%	5,362	5,327	-34	-0.6%
81.5%	5,292	5,324	32	0.6%
82.7%	5,267	5,291	24	0.5%
84.0%	5,227	5,195	-32	-0.6%
85.2%	5,202	5,173	-29	-0.6%
86.4%	5,156	5,128	-28	-0.5%
87.7%	5,145	5,125	-20	-0.4%
88.9%	5,103	4,972	-131	-2.6%
90.1%	4,939	4,955	16	0.3%
91.4%	4,906	4,746	-160	-3.3%
92.6%	4,853	4,732	-121	-2.5%
93.8%	4,733	4,624	-109	-2.3%
95.1%	4,712	4,608	-104	-2.2%
96.3%	4,707	4,567	-140	-3.0%
97.5%	4,072	4,559	487	11.9%
98.8%	4,013	4,458	445	11.1%
100.0%	3,934	4,309	375	9.5%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,425	13,589	-1,835	-11.9%
1.2%	14,042	13,317	-724	-5.2%
2.5%	13,283	11,668	-1,615	-12.2%
3.7%	11,943	11,234	-709	-5.9%
4.9%	11,479	11,226	-252	-2.2%
6.2%	11,121	11,070	-51	-0.5%
7.4%	10,684	10,730	46	0.4%
8.6%	10,259	10,412	153	1.5%
9.9%	10,257	10,312	55	0.5%
11.1%	9,904	10,034	131	1.3%
12.3%	9,636	9,266	-371	-3.8%
13.6%	9,635	9,235	-400	-4.1%
14.8%	9,599	8,985	-614	-6.4%
16.0%	8,770	8,974	204	2.3%
17.3%	8,751	8,822	70	0.8%
18.5%	8,544	8,758	215	2.5%
19.8%	8,472	8,634	162	1.9%
21.0%	8,397	8,545	148	1.8%
22.2%	8,095	8,429	334	4.1%
23.5%	8,087	8,294	208	2.6%
24.7%	8,064	8,206	142	1.8%
25.9%	8,040	8,184	144	1.8%
27.2%	7,996	8,139	143	1.8%
28.4%	7,949	7,982	32	0.4%
29.6%	7,876	7,977	101	1.3%
30.9%	7,858	7,938	80	1.0%
32.1%	7,705	7,933	228	3.0%
33.3%	7,683	7,924	241	3.1%
34.6%	7,675	7,906	231	3.0%
35.8%	7,596	7,866	270	3.6%
37.0%	7,593	7,799	206	2.7%
38.3%	7,577	7,645	68	0.9%
39.5%	7,564	7,642	78	1.0%
40.7%	7,546	7,614	68	0.9%
42.0%	7,470	7,340	-131	-1.8%
43.2%	7,290	7,312	22	0.3%
44.4%	7,252	7,275	23	0.3%
45.7%	7,179	7,239	60	0.8%
46.9%	7,175	7,216	41	0.6%
48.1%	7,055	7,152	97	1.4%
49.4%	6,952	7,095	143	2.1%
50.6%	6,925	6,950	25	0.4%
51.9%	6,902	6,716	-186	-2.7%
53.1%	6,878	6,520	-357	-5.2%
54.3%	6,833	6,480	-353	-5.2%
55.6%	6,789	6,464	-325	-4.8%
56.8%	6,735	6,402	-333	-4.9%
58.0%	6,730	6,306	-424	-6.3%
59.3%	6,587	6,288	-299	-4.5%
60.5%	6,575	6,199	-376	-5.7%
61.7%	6,481	6,196	-285	-4.4%
63.0%	6,412	6,186	-227	-3.5%
64.2%	6,371	6,106	-266	-4.2%
65.4%	6,340	6,103	-237	-3.7%
66.7%	6,295	6,099	-195	-3.1%
67.9%	6,238	5,960	-278	-4.5%
69.1%	6,194	5,921	-273	-4.4%
70.4%	6,182	5,914	-268	-4.3%
71.6%	6,095	5,907	-188	-3.1%
72.8%	6,071	5,735	-337	-5.5%
74.1%	6,032	5,719	-313	-5.2%
75.3%	6,026	5,630	-395	-6.6%
76.5%	5,885	5,609	-276	-4.7%
77.8%	5,854	5,601	-253	-4.3%
79.0%	5,807	5,558	-249	-4.3%
80.2%	5,724	5,420	-305	-5.3%
81.5%	5,602	5,409	-193	-3.4%
82.7%	5,524	5,353	-170	-3.1%
84.0%	5,503	5,294	-210	-3.8%
85.2%	5,463	5,285	-178	-3.3%
86.4%	5,437	5,244	-193	-3.5%
87.7%	5,413	5,243	-169	-3.1%
88.9%	5,373	5,242	-131	-2.4%
90.1%	5,341	5,190	-151	-2.8%
91.4%	5,316	5,185	-131	-2.5%
92.6%	5,299	5,147	-152	-2.9%
93.8%	5,285	5,133	-153	-2.9%
95.1%	5,261	4,908	-353	-6.7%
96.3%	5,111	4,880	-231	-4.5%
97.5%	5,101	4,765	-336	-6.6%
98.8%	4,920	4,317	-603	-12.3%
100.0%	2,652	4,244	1,592	60.0%

Table SW-13-b

Sacramento River below Hamilton City, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,232	12,427	195	1.6%
1.2%	12,143	12,302	160	1.3%
2.5%	12,140	12,211	71	0.6%
3.7%	12,081	11,666	-415	-3.4%
4.9%	12,009	11,658	-351	-2.9%
6.2%	11,893	11,547	-345	-2.9%
7.4%	11,781	11,531	-250	-2.1%
8.6%	11,733	11,429	-304	-2.6%
9.9%	11,575	11,310	-266	-2.3%
11.1%	11,513	11,143	-370	-3.2%
12.3%	11,220	11,046	-174	-1.6%
13.6%	11,193	10,860	-333	-3.0%
14.8%	11,165	10,822	-343	-3.1%
16.0%	11,149	10,800	-350	-3.1%
17.3%	11,144	10,790	-354	-3.2%
18.5%	11,133	10,758	-375	-3.4%
19.8%	11,067	10,746	-322	-2.9%
21.0%	11,067	10,698	-369	-3.3%
22.2%	10,951	10,629	-321	-2.9%
23.5%	10,938	10,616	-321	-2.9%
24.7%	10,856	10,589	-267	-2.5%
25.9%	10,856	10,512	-343	-3.2%
27.2%	10,763	10,487	-276	-2.6%
28.4%	10,679	10,458	-221	-2.1%
29.6%	10,647	10,457	-190	-1.8%
30.9%	10,527	10,454	-73	-0.7%
32.1%	10,457	10,453	-4	0.0%
33.3%	10,334	10,420	86	0.8%
34.6%	10,283	10,405	122	1.2%
35.8%	10,053	10,298	245	2.4%
37.0%	9,973	10,069	96	1.0%
38.3%	9,957	9,944	-13	-0.1%
39.5%	9,935	9,879	-56	-0.6%
40.7%	9,882	9,867	-15	-0.2%
42.0%	9,750	9,858	109	1.1%
43.2%	9,731	9,743	11	0.1%
44.4%	9,712	9,561	-151	-1.6%
45.7%	9,658	9,316	-342	-3.5%
46.9%	9,629	9,305	-324	-3.4%
48.1%	9,611	9,237	-374	-3.9%
49.4%	9,522	9,156	-366	-3.8%
50.6%	9,439	9,144	-295	-3.1%
51.9%	9,431	8,811	-620	-6.6%
53.1%	9,263	8,707	-557	-6.0%
54.3%	9,208	8,696	-512	-5.6%
55.6%	9,080	8,690	-390	-4.3%
56.8%	9,021	8,611	-410	-4.5%
58.0%	8,869	8,604	-265	-3.0%
59.3%	8,616	8,500	-117	-1.4%
60.5%	8,535	8,403	-132	-1.5%
61.7%	8,524	8,384	-140	-1.6%
63.0%	8,425	8,353	-71	-0.8%
64.2%	8,363	8,295	-68	-0.8%
65.4%	8,333	8,177	-157	-1.9%
66.7%	8,293	8,168	-125	-1.5%
67.9%	8,151	8,150	-1	0.0%
69.1%	8,085	8,085	0	0.0%
70.4%	7,970	8,070	101	1.3%
71.6%	7,865	8,000	135	1.7%
72.8%	7,805	7,781	-24	-0.3%
74.1%	7,787	7,650	-137	-1.8%
75.3%	7,780	7,650	-130	-1.7%
76.5%	7,659	7,603	-56	-0.7%
77.8%	7,642	7,575	-67	-0.9%
79.0%	7,604	7,547	-57	-0.8%
80.2%	7,507	7,491	-16	-0.2%
81.5%	7,423	7,452	29	0.4%
82.7%	7,385	7,380	-5	-0.1%
84.0%	7,194	7,370	176	2.4%
85.2%	7,082	7,358	277	3.9%
86.4%	7,006	7,288	282	4.0%
87.7%	6,941	7,272	331	4.8%
88.9%	6,883	7,174	291	4.2%
90.1%	6,811	7,024	214	3.1%
91.4%	6,798	6,941	143	2.1%
92.6%	6,553	6,753	200	3.1%
93.8%	6,516	6,297	-219	-3.4%
95.1%	6,482	6,258	-224	-3.5%
96.3%	6,405	5,711	-695	-10.8%
97.5%	6,078	5,508	-570	-9.4%
98.8%	6,075	5,328	-748	-12.3%
100.0%	5,440	5,267	-172	-3.2%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,717	17,490	4,773	37.5%
1.2%	12,474	17,342	4,868	39.0%
2.5%	12,463	17,171	4,709	37.8%
3.7%	12,341	16,984	4,644	37.6%
4.9%	12,315	16,917	4,602	37.4%
6.2%	12,276	16,907	4,632	37.7%
7.4%	12,245	16,572	4,327	35.3%
8.6%	12,242	16,139	3,896	31.8%
9.9%	12,220	13,658	1,438	11.8%
11.1%	12,219	13,368	1,149	9.4%
12.3%	12,165	13,331	1,167	9.6%
13.6%	12,161	13,212	1,051	8.6%
14.8%	12,137	13,124	987	8.1%
16.0%	12,102	13,001	899	7.4%
17.3%	12,073	12,886	814	6.7%
18.5%	12,071	12,809	738	6.1%
19.8%	12,041	12,578	537	4.5%
21.0%	12,014	12,535	521	4.3%
22.2%	11,958	12,492	534	4.5%
23.5%	11,945	12,437	492	4.1%
24.7%	11,938	12,430	492	4.1%
25.9%	11,918	12,375	456	3.8%
27.2%	11,918	12,356	438	3.7%
28.4%	11,901	12,312	411	3.5%
29.6%	11,880	12,292	412	3.5%
30.9%	11,871	12,247	376	3.2%
32.1%	11,840	12,217	377	3.2%
33.3%	11,837	12,207	370	3.1%
34.6%	11,835	12,167	331	2.8%
35.8%	11,814	12,160	346	2.9%
37.0%	11,801	12,068	267	2.3%
38.3%	11,774	12,015	241	2.1%
39.5%	11,774	12,011	237	2.0%
40.7%	11,747	11,999	252	2.1%
42.0%	11,676	11,960	284	2.4%
43.2%	11,660	11,915	255	2.2%
44.4%	11,603	11,895	292	2.5%
45.7%	11,601	11,895	294	2.5%
46.9%	11,601	11,891	290	2.5%
48.1%	11,574	11,873	298	2.6%
49.4%	11,570	11,869	299	2.6%
50.6%	11,563	11,853	289	2.5%
51.9%	11,562	11,838	276	2.4%
53.1%	11,522	11,838	316	2.7%
54.3%	11,434	11,802	367	3.2%
55.6%	11,421	11,785	363	3.2%
56.8%	11,415	11,681	266	2.3%
58.0%	11,407	11,668	261	2.3%
59.3%	11,389	11,565	176	1.5%
60.5%	11,288	11,446	158	1.4%
61.7%	11,242	11,433	191	1.7%
63.0%	11,098	11,432	334	3.0%
64.2%	11,022	11,330	308	2.8%
65.4%	10,929	11,273	344	3.1%
66.7%	10,889	11,089	200	1.8%
67.9%	10,810	10,912	101	0.9%
69.1%	10,719	10,738	19	0.2%
70.4%	10,570	10,603	32	0.3%
71.6%	10,303	10,504	201	2.0%
72.8%	10,258	10,440	182	1.8%
74.1%	10,220	10,392	172	1.7%
75.3%	10,128	10,370	242	2.4%
76.5%	10,081	10,332	252	2.5%
77.8%	9,828	10,259	430	4.4%
79.0%	9,814	10,111	297	3.0%
80.2%	9,760	9,972	213	2.2%
81.5%	9,604	9,891	287	3.0%
82.7%	9,484	9,804	321	3.4%
84.0%	9,395	9,719	324	3.4%
85.2%	9,336	9,305	-31	-0.3%
86.4%	9,153	9,303	150	1.6%
87.7%	8,997	9,247	250	2.8%
88.9%	8,957	9,038	81	0.9%
90.1%	8,255	9,019	764	9.3%
91.4%	8,206	8,705	499	6.1%
92.6%	8,077	8,632	555	6.9%
93.8%	7,441	8,511	1,070	14.4%
95.1%	7,273	8,500	1,226	16.9%
96.3%	6,844	8,170	1,326	19.4%
97.5%	6,685	8,141	1,456	21.8%
98.8%	6,502	7,635	1,133	17.4%
100.0%	6,235	6,950	715	11.5%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,304	10,674	-631	-5.6%
1.2%	11,170	10,393	-778	-7.0%
2.5%	10,302	10,202	-100	-1.0%
3.7%	10,289	9,819	-470	-4.6%
4.9%	10,099	9,761	-337	-3.3%
6.2%	9,832	9,513	-319	-3.2%
7.4%	9,821	9,318	-503	-5.1%
8.6%	9,769	9,073	-696	-7.1%
9.9%	9,687	8,902	-785	-8.1%
11.1%	9,569	8,887	-682	-7.1%
12.3%	9,262	8,878	-384	-4.1%
13.6%	9,183	8,854	-329	-3.6%
14.8%	9,129	8,724	-405	-4.4%
16.0%	8,994	8,700	-294	-3.3%
17.3%	8,942	8,519	-423	-4.7%
18.5%	8,843	8,425	-418	-4.7%
19.8%	8,724	8,365	-359	-4.1%
21.0%	8,662	8,320	-342	-3.9%
22.2%	8,655	8,278	-377	-4.4%
23.5%	8,615	8,209	-406	-4.7%
24.7%	8,568	8,146	-422	-4.9%
25.9%	8,550	8,124	-425	-5.0%
27.2%	8,433	8,113	-320	-3.8%
28.4%	8,420	8,082	-339	-4.0%
29.6%	8,348	8,074	-274	-3.3%
30.9%	8,296	8,063	-233	-2.8%
32.1%	8,293	8,024	-269	-3.2%
33.3%	8,270	8,006	-264	-3.2%
34.6%	8,174	7,908	-267	-3.3%
35.8%	8,126	7,799	-327	-4.0%
37.0%	7,960	7,787	-173	-2.2%
38.3%	7,904	7,774	-129	-1.6%
39.5%	7,720	7,754	34	0.4%
40.7%	7,706	7,664	-41	-0.5%
42.0%	7,702	7,655	-47	-0.6%
43.2%	7,618	7,631	12	0.2%
44.4%	7,475	7,610	135	1.8%
45.7%	7,358	7,540	182	2.5%
46.9%	7,343	7,537	194	2.6%
48.1%	7,260	7,528	268	3.7%
49.4%	7,235	7,516	281	3.9%
50.6%	7,231	7,507	275	3.8%
51.9%	7,166	7,505	339	4.7%
53.1%	7,068	7,495	427	6.0%
54.3%	7,039	7,448	409	5.8%
55.6%	7,035	7,406	371	5.3%
56.8%	7,030	7,402	372	5.3%
58.0%	7,027	7,402	374	5.3%
59.3%	6,945	7,402	457	6.6%
60.5%	6,905	7,401	497	7.2%
61.7%	6,857	7,392	535	7.8%
63.0%	6,806	7,387	581	8.5%
64.2%	6,788	7,364	576	8.5%
65.4%	6,780	7,350	570	8.4%
66.7%	6,779	7,331	551	8.1%
67.9%	6,719	7,307	588	8.7%
69.1%	6,660	7,305	645	9.7%
70.4%	6,649	7,263	614	9.2%
71.6%	6,627	7,236	609	9.2%
72.8%	6,586	7,212	626	9.5%
74.1%	6,504	7,210	706	10.9%
75.3%	6,479	7,183	704	10.9%
76.5%	6,462	7,077	615	9.5%
77.8%	6,451	7,054	603	9.3%
79.0%	6,437	6,999	562	8.7%
80.2%	6,406	6,991	585	9.1%
81.5%	6,383	6,989	606	9.5%
82.7%	6,355	6,968	614	9.7%
84.0%	6,319	6,926	607	9.6%
85.2%	6,231	6,861	630	10.1%
86.4%	6,145	6,852	707	11.5%
87.7%	5,998	6,837	839	14.0%
88.9%	5,953	6,742	789	13.3%
90.1%	5,950	6,726	777	13.1%
91.4%	5,938	6,692	754	12.7%
92.6%	5,694	6,659	965	16.9%
93.8%	5,668	6,439	770	13.6%
95.1%	5,589	6,329	740	13.2%
96.3%	5,531	6,301	770	13.9%
97.5%	5,498	6,222	723	13.2%
98.8%	4,952	6,138	1,186	24.0%
100.0%	3,593	3,853	260	7.2%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,443	16,006	563	3.6%
1.2%	15,394	15,771	377	2.4%
2.5%	15,368	15,364	-4	0.0%
3.7%	15,182	15,322	140	0.9%
4.9%	15,150	15,283	133	0.9%
6.2%	15,022	15,050	28	0.2%
7.4%	14,880	14,963	83	0.6%
8.6%	14,862	14,862	0	0.0%
9.9%	14,654	14,807	153	1.0%
11.1%	14,629	14,711	82	0.6%
12.3%	14,615	14,710	95	0.6%
13.6%	14,576	14,656	80	0.5%
14.8%	14,533	14,531	-2	0.0%
16.0%	14,449	14,456	7	0.0%
17.3%	14,447	14,295	-152	-1.1%
18.5%	14,401	14,284	-117	-0.8%
19.8%	14,291	14,084	-207	-1.4%
21.0%	14,287	13,693	-594	-4.2%
22.2%	13,808	13,607	-201	-1.5%
23.5%	13,176	13,025	-151	-1.1%
24.7%	12,923	12,542	-380	-2.9%
25.9%	12,550	12,455	-96	-0.8%
27.2%	12,443	11,910	-533	-4.3%
28.4%	12,128	11,514	-614	-5.1%
29.6%	11,737	10,877	-859	-7.3%
30.9%	11,687	10,718	-968	-8.3%
32.1%	11,485	9,691	-1,795	-15.6%
33.3%	10,934	9,417	-1,517	-13.9%
34.6%	10,150	8,903	-1,247	-12.3%
35.8%	9,770	8,167	-1,603	-16.4%
37.0%	9,591	7,755	-1,836	-19.1%
38.3%	9,305	7,417	-1,888	-20.3%
39.5%	8,191	7,312	-879	-10.7%
40.7%	8,150	7,060	-1,091	-13.4%
42.0%	8,129	6,819	-1,310	-16.1%
43.2%	7,843	6,755	-1,088	-13.9%
44.4%	7,134	6,641	-493	-6.9%
45.7%	6,915	6,502	-412	-6.0%
46.9%	6,562	6,413	-149	-2.3%
48.1%	6,447	6,409	-38	-0.6%
49.4%	5,963	6,406	443	7.4%
50.6%	5,865	6,189	324	5.5%
51.9%	5,663	6,182	519	9.2%
53.1%	5,528	6,100	573	10.4%
54.3%	5,438	6,068	630	11.6%
55.6%	5,266	6,031	765	14.5%
56.8%	5,186	5,952	766	14.8%
58.0%	5,098	5,919	821	16.1%
59.3%	5,055	5,855	800	15.8%
60.5%	5,035	5,853	818	16.3%
61.7%	4,933	5,811	878	17.8%
63.0%	4,828	5,769	941	19.5%
64.2%	4,825	5,718	893	18.5%
65.4%	4,604	5,705	1,101	23.9%
66.7%	4,574	5,665	1,091	23.9%
67.9%	4,516	5,643	1,127	24.9%
69.1%	4,420	5,620	1,200	27.1%
70.4%	4,373	5,611	1,237	28.3%
71.6%	4,363	5,564	1,201	27.5%
72.8%	4,333	5,519	1,185	27.4%
74.1%	4,250	5,498	1,248	29.4%
75.3%	4,217	5,462	1,244	29.5%
76.5%	4,199	5,362	1,163	27.7%
77.8%	4,159	5,281	1,121	27.0%
79.0%	4,125	5,238	1,113	27.0%
80.2%	4,047	5,221	1,174	29.0%
81.5%	4,022	5,218	1,196	29.7%
82.7%	3,990	5,217	1,227	30.7%
84.0%	3,980	5,186	1,206	30.3%
85.2%	3,974	5,185	1,211	30.5%
86.4%	3,967	5,104	1,136	28.6%
87.7%	3,967	5,071	1,104	27.8%
88.9%	3,964	4,995	1,031	26.0%
90.1%	3,949	4,952	1,003	25.4%
91.4%	3,836	4,852	1,015	26.5%
92.6%	3,828	4,843	1,015	26.5%
93.8%	3,624	4,832	1,208	33.3%
95.1%	3,611	4,710	1,099	30.4%
96.3%	3,585	4,659	1,074	30.0%
97.5%	3,460	4,630	1,171	33.8%
98.8%	3,401	4,613	1,212	35.6%
100.0%	3,257	4,267	1,010	31.0%

Figure SW-14-b
Sacramento River below Delevan Intake and Pipeline, Monthly Flow
Probability of Exceedance

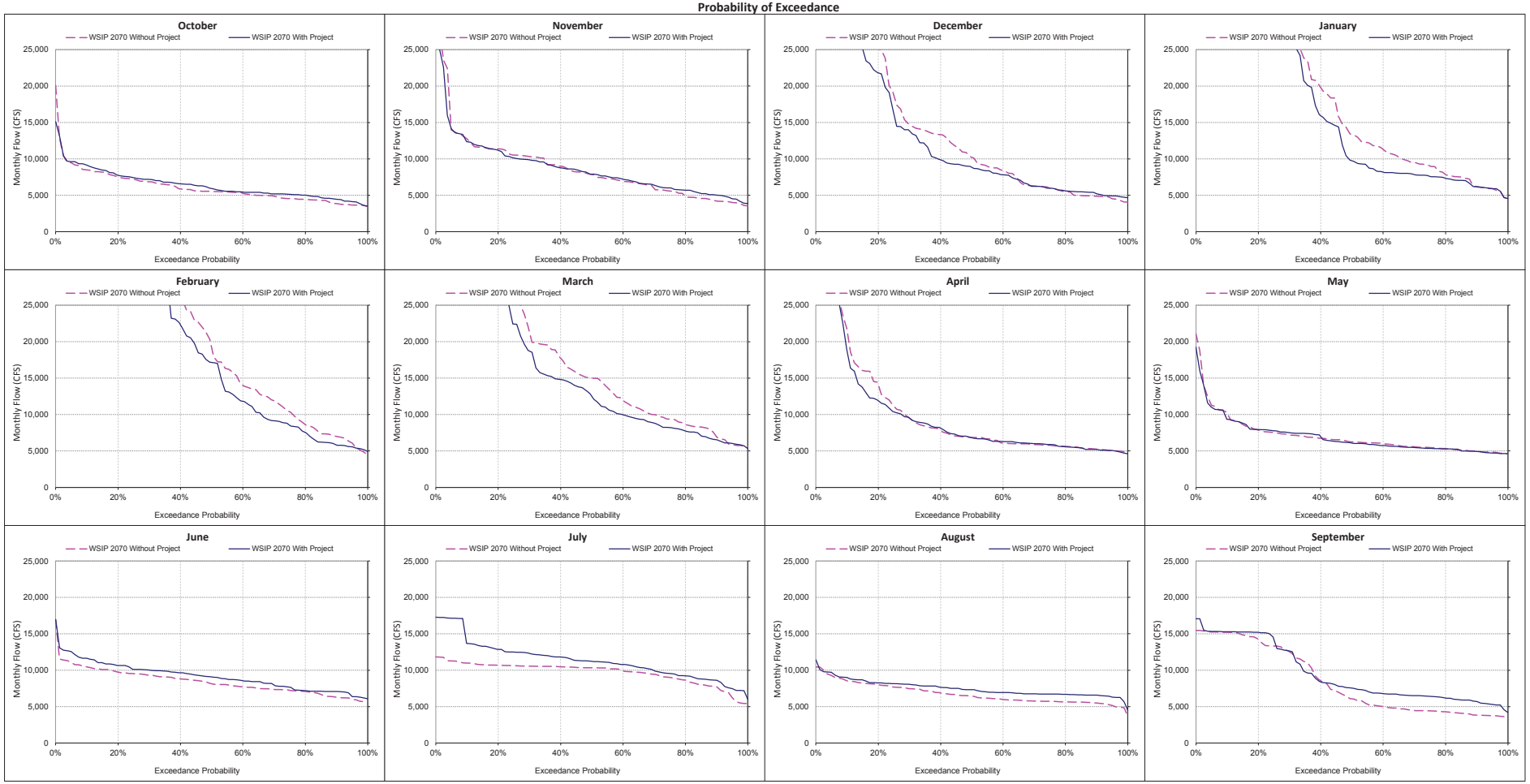


Table SW-14-b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,074	15,094	-4,980	-24.8%
1.2%	12,899	13,125	226	1.8%
2.5%	10,431	10,440	9	0.1%
3.7%	9,527	9,693	166	1.7%
4.9%	9,479	9,629	150	1.6%
6.2%	9,164	9,612	448	4.9%
7.4%	9,079	9,327	249	2.7%
8.6%	8,547	9,319	772	9.0%
9.9%	8,487	9,159	672	7.9%
11.1%	8,426	8,953	527	6.3%
12.3%	8,243	8,773	529	6.4%
13.6%	8,240	8,604	364	4.4%
14.8%	8,191	8,486	295	3.6%
16.0%	8,137	8,414	277	3.4%
17.3%	7,830	8,112	281	3.6%
18.5%	7,730	8,063	333	4.3%
19.8%	7,522	7,771	250	3.3%
21.0%	7,409	7,649	240	3.2%
22.2%	7,318	7,573	255	3.5%
23.5%	7,277	7,536	258	3.5%
24.7%	7,227	7,456	229	3.2%
25.9%	7,108	7,322	213	3.0%
27.2%	6,935	7,253	318	4.6%
28.4%	6,926	7,187	261	3.8%
29.6%	6,864	7,187	323	4.7%
30.9%	6,833	7,170	337	4.9%
32.1%	6,667	7,015	348	5.2%
33.3%	6,548	6,998	450	6.9%
34.6%	6,521	6,783	263	4.0%
35.8%	6,443	6,779	336	5.2%
37.0%	6,416	6,757	342	5.3%
38.3%	6,223	6,665	442	7.1%
39.5%	5,891	6,575	684	11.6%
40.7%	5,828	6,546	719	12.3%
42.0%	5,806	6,526	720	12.4%
43.2%	5,772	6,524	753	13.0%
44.4%	5,616	6,370	754	13.4%
45.7%	5,599	6,310	710	12.7%
46.9%	5,551	6,291	740	13.3%
48.1%	5,547	6,190	643	11.6%
49.4%	5,545	5,968	423	7.6%
50.6%	5,514	5,856	342	6.2%
51.9%	5,509	5,739	230	4.2%
53.1%	5,479	5,660	181	3.3%
54.3%	5,465	5,559	93	1.7%
55.6%	5,449	5,553	104	1.9%
56.8%	5,403	5,552	148	2.7%
58.0%	5,392	5,466	74	1.4%
59.3%	5,372	5,463	91	1.7%
60.5%	5,205	5,404	199	3.8%
61.7%	5,132	5,403	272	5.3%
63.0%	5,118	5,403	285	5.6%
64.2%	4,997	5,398	401	8.0%
65.4%	4,993	5,393	401	8.0%
66.7%	4,969	5,299	330	6.6%
67.9%	4,949	5,289	340	6.9%
69.1%	4,940	5,204	265	5.4%
70.4%	4,841	5,188	347	7.2%
71.6%	4,649	5,187	538	11.6%
72.8%	4,605	5,175	571	12.4%
74.1%	4,545	5,166	621	13.7%
75.3%	4,541	5,126	584	12.9%
76.5%	4,527	5,099	572	12.6%
77.8%	4,452	5,084	632	14.2%
79.0%	4,446	5,030	585	13.2%
80.2%	4,423	5,007	584	13.2%
81.5%	4,387	4,909	521	11.9%
82.7%	4,353	4,846	493	11.3%
84.0%	4,346	4,841	495	11.4%
85.2%	4,288	4,640	352	8.2%
86.4%	4,282	4,587	305	7.1%
87.7%	4,055	4,578	523	12.9%
88.9%	3,881	4,530	649	16.7%
90.1%	3,857	4,426	569	14.8%
91.4%	3,762	4,417	655	17.4%
92.6%	3,715	4,181	466	12.5%
93.8%	3,715	4,176	461	12.4%
95.1%	3,652	4,134	482	13.2%
96.3%	3,651	4,086	435	11.9%
97.5%	3,628	3,849	221	6.1%
98.8%	3,623	3,569	-54	-1.5%
100.0%	3,429	3,525	96	2.8%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	28,887	29,760	872	3.0%
1.2%	27,428	25,064	-2,364	-8.6%
2.5%	23,554	22,603	-951	-4.0%
3.7%	22,408	15,971	-6,437	-28.7%
4.9%	13,985	14,151	166	1.2%
6.2%	13,684	13,582	-102	-0.7%
7.4%	13,386	13,473	87	0.6%
8.6%	13,170	13,367	197	1.5%
9.9%	12,789	12,357	-432	-3.4%
11.1%	12,267	12,285	18	0.1%
12.3%	11,679	11,958	278	2.4%
13.6%	11,604	11,814	210	1.8%
14.8%	11,579	11,765	187	1.6%
16.0%	11,570	11,509	-60	-0.5%
17.3%	11,399	11,355	-44	-0.4%
18.5%	11,389	11,312	-77	-0.7%
19.8%	11,376	11,224	-152	-1.3%
21.0%	11,345	11,004	-341	-3.0%
22.2%	11,219	10,415	-804	-7.2%
23.5%	10,667	10,344	-323	-3.0%
24.7%	10,518	10,163	-356	-3.4%
25.9%	10,514	10,050	-464	-4.4%
27.2%	10,493	9,988	-504	-4.8%
28.4%	10,410	9,942	-468	-4.5%
29.6%	10,347	9,917	-430	-4.2%
30.9%	10,267	9,797	-470	-4.6%
32.1%	10,233	9,751	-482	-4.7%
33.3%	10,147	9,596	-551	-5.4%
34.6%	10,106	9,592	-514	-5.1%
35.8%	9,209	9,184	-25	-0.3%
37.0%	9,196	9,105	-91	-1.0%
38.3%	9,189	8,926	-264	-2.9%
39.5%	8,985	8,809	-176	-2.0%
40.7%	8,949	8,721	-228	-2.6%
42.0%	8,705	8,628	-77	-0.9%
43.2%	8,401	8,621	221	2.6%
44.4%	8,238	8,592	353	4.3%
45.7%	8,206	8,441	235	2.9%
46.9%	8,168	8,266	98	1.2%
48.1%	8,042	8,185	143	1.8%
49.4%	7,898	7,900	2	0.0%
50.6%	7,804	7,895	91	1.2%
51.9%	7,462	7,837	375	5.0%
53.1%	7,430	7,661	231	3.1%
54.3%	7,327	7,636	309	4.2%
55.6%	7,315	7,498	183	2.5%
56.8%	7,229	7,420	191	2.6%
58.0%	7,101	7,419	318	4.5%
59.3%	6,989	7,295	306	4.4%
60.5%	6,894	7,136	242	3.5%
61.7%	6,866	7,081	215	3.1%
63.0%	6,788	6,930	142	2.1%
64.2%	6,659	6,841	182	2.7%
65.4%	6,604	6,634	30	0.5%
66.7%	6,516	6,576	60	0.9%
67.9%	6,396	6,563	167	2.6%
69.1%	6,356	6,529	173	2.7%
70.4%	5,749	6,325	576	10.0%
71.6%	5,736	6,159	423	7.4%
72.8%	5,724	6,059	335	5.8%
74.1%	5,623	6,021	398	7.1%
75.3%	5,563	6,015	452	8.1%
76.5%	5,555	5,800	245	4.4%
77.8%	5,286	5,747	462	8.7%
79.0%	5,264	5,716	452	8.6%
80.2%	4,740	5,695	956	20.2%
81.5%	4,714	5,679	964	20.5%
82.7%	4,701	5,509	808	17.2%
84.0%	4,631	5,387	756	16.3%
85.2%	4,564	5,230	666	14.6%
86.4%	4,556	5,212	656	14.4%
87.7%	4,451	5,082	631	14.2%
88.9%	4,311	5,076	765	17.8%
90.1%	4,188	4,999	811	19.4%
91.4%	4,159	4,989	830	20.0%
92.6%	4,145	4,860	715	17.2%
93.8%	4,107	4,734	627	15.3%
95.1%	4,008	4,517	508	12.7%
96.3%	3,969	4,469	501	12.6%
97.5%	3,886	4,174	288	7.4%
98.8%	3,592	3,899	307	8.5%
100.0%	3,543	3,859	317	8.9%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	70,245	70,145	-100	-0.1%
1.2%	52,928	51,634	-1,294	-2.4%
2.5%	51,090	49,674	-1,417	-2.8%
3.7%	50,781	45,264	-5,517	-10.9%
4.9%	48,014	43,483	-4,531	-9.4%
6.2%	46,289	41,853	-4,436	-9.6%
7.4%	43,297	40,417	-2,879	-6.7%
8.6%	40,566	39,588	-978	-2.4%
9.9%	35,989	33,937	-2,052	-5.7%
11.1%	30,893	26,591	-4,301	-13.9%
12.3%	30,890	26,542	-4,348	-14.1%
13.6%	30,000	26,176	-3,824	-12.7%
14.8%	28,116	25,342	-2,773	-9.9%
16.0%	27,116	23,468	-3,649	-13.5%
17.3%	26,795	23,109	-3,686	-13.8%
18.5%	26,508	22,239	-4,269	-16.1%
19.8%	25,127	21,848	-3,279	-13.0%
21.0%	24,974	21,688	-3,286	-13.2%
22.2%	23,827	19,818	-4,009	-16.8%
23.5%	20,075	19,115	-960	-4.8%
24.7%	19,164	16,833	-2,331	-12.2%
25.9%	17,387	14,469	-2,919	-16.8%
27.2%	16,837	14,445	-2,392	-14.2%
28.4%	15,393	14,007	-1,386	-9.0%
29.6%	14,814	13,991	-823	-5.6%
30.9%	14,483	13,426	-1,057	-7.3%
32.1%	14,192	13,235	-957	-6.7%
33.3%	14,105	12,222	-1,884	-13.4%
34.6%	13,973	12,165	-1,808	-12.9%
35.8%	13,757	11,625	-2,132	-15.5%
37.0%	13,534	10,314	-3,220	-23.8%
38.3%	13,390	10,155	-3,236	-24.2%
39.5%	13,348	9,928	-3,420	-25.6%
40.7%	13,277	9,747	-3,531	-26.6%
42.0%	12,857	9,442	-3,415	-26.6%
43.2%	12,220	9,319	-2,901	-23.7%
44.4%	11,825	9,270	-2,555	-21.6%
45.7%	11,466	9,248	-2,218	-19.3%
46.9%	10,958	9,127	-1,831	-16.7%
48.1%	10,871	9,002	-1,869	-17.2%
49.4%	10,308	8,987	-1,321	-12.8%
50.6%	10,107	8,684	-1,422	-14.1%
51.9%	9,337	8,637	-701	-7.5%
53.1%	9,223	8,489	-733	-8.0%
54.3%	9,114	8,364	-750	-8.2%
55.6%	8,859	8,358	-501	-5.7%
56.8%	8,765	8,031	-734	-8.4%
58.0%	8,764	8,000	-764	-8.7%
59.3%	8,482	7,833	-649	-7.7%
60.5%	8,353	7,785	-567	-6.8%
61.7%	8,030	7,750	-280	-3.5%
63.0%	7,985	7,412	-573	-7.2%
64.2%	7,559	7,215	-344	-4.6%
65.4%	6,798	7,081	282	4.2%
66.7%	6,421	6,706	284	4.4%
67.9%	6,345	6,560	215	3.4%
69.1%	6,318	6,230	-88	-1.4%
70.4%	6,269	6,228	-40	-0.6%
71.6%	6,196	6,212	16	0.3%
72.8%	6,182	6,161	-21	-0.3%
74.1%	6,138	5,979	-159	-2.6%
75.3%	5,898	5,976	78	1.3%
76.5%	5,871	5,894	23	0.4%
77.8%	5,713	5,722	9	0.2%
79.0%	5,549	5,698	148	2.7%
80.2%	5,522	5,574	52	0.9%
81.5%	5,434	5,562	127	2.3%
82.7%	5,004	5,517	513	10.2%
84.0%	4,980	5,492	512	10.3%
85.2%	4,954	5,487	533	10.8%
86.4%	4,924	5,446	521	10.6%
87.7%	4,917	5,410	493	10.0%
88.9%	4,881	5,396	515	10.6%
90.1%	4,850	5,209	359	7.4%
91.4%	4,843	5,066	224	4.6%
92.6%	4,795	4,955	160	3.3%
93.8%	4,769	4,932	163	3.4%
95.1%	4,523	4,922	399	8.8%
96.3%	4,457	4,914	457	10.3%
97.5%	4,284	4,791	507	11.8%
98.8%	4,072	4,734	662	16.3%
100.0%	4,071	4,674	603	14.8%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	86,823	85,711	-1,112	-1.3%
1.2%	85,945	84,447	-1,499	-1.7%
2.5%	84,929	82,977	-1,952	-2.3%
3.7%	82,819	81,986	-833	-1.0%
4.9%	80,023	79,242	-781	-1.0%
6.2%	72,250	69,327	-2,924	-4.0%
7.4%	66,371	65,192	-1,179	-1.8%
8.6%	64,863	63,105	-1,758	-2.7%
9.9%	60,536	56,193	-4,343	-7.2%
11.1%	58,969	55,249	-3,720	-6.3%
12.3%	55,116	54,557	-559	-1.0%
13.6%	55,102	50,717	-4,385	-8.0%
14.8%	51,399	49,420	-1,979	-3.8%
16.0%	46,690	42,399	-4,290	-9.2%
17.3%	45,231	42,257	-2,974	-6.6%
18.5%	43,586	40,853	-2,733	-6.3%
19.8%	39,290	39,563	273	0.7%
21.0%	39,156	34,324	-4,833	-12.3%
22.2%	38,815	33,259	-5,556	-14.3%
23.5%	36,870	32,487	-4,382	-11.9%
24.7%	36,535	31,437	-5,098	-14.0%
25.9%	34,401	30,128	-4,273	-12.4%
27.2%	33,495	29,937	-3,558	-10.6%
28.4%	31,358	29,884	-1,474	-4.7%
29.6%	30,596	27,229	-3,367	-11.0%
30.9%	29,365	25,279	-4,086	-13.9%
32.1%	28,113	25,151	-2,962	-10.5%
33.3%	25,201	24,197	-1,004	-4.0%
34.6%	23,844	20,732	-3,112	-13.0%
35.8%	23,456	20,100	-3,356	-14.3%
37.0%	20,894	19,813	-1,081	-5.2%
38.3%	20,787	17,311	-3,477	-16.7%
39.5%	20,107	16,075	-4,032	-20.1%
40.7%	19,319	15,724	-3,595	-18.6%
42.0%	18,929	15,134	-3,795	-20.0%
43.2%	18,367	14,901	-3,467	-18.9%
44.4%	18,352	14,593	-3,759	-20.5%
45.7%	15,839	14,383	-1,456	-9.2%
46.9%	14,787	11,852	-2,935	-19.8%
48.1%	14,332	10,447	-3,886	-27.1%
49.4%	13,444	9,819	-3,624	-27.0%
50.6%	13,293	9,660	-3,633	-27.3%
51.9%	12,958	9,369	-3,589	-27.7%
53.1%	12,357	9,296	-3,061	-24.8%
54.3%	12,296	9,250	-3,046	-24.8%
55.6%	12,174	8,707	-3,467	-28.5%
56.8%	11,807	8,667	-3,139	-26.6%
58.0%	11,791	8,310	-3,481	-29.5%
59.3%	11,557	8,273	-3,284	-28.4%
60.5%	11,119	8,118	-3,001	-27.0%
61.7%	10,775	8,118	-2,657	-24.7%
63.0%	10,664	8,103	-2,561	-24.0%
64.2%	10,462	8,046	-2,416	-23.1%
65.4%	10,086	7,996	-2,090	-20.7%
66.7%	9,892	7,994	-1,899	-19.2%
67.9%	9,740	7,992	-1,749	-18.0%
69.1%	9,491	7,925	-1,567	-16.5%
70.4%	9,474	7,807	-1,667	-17.6%
71.6%	9,288	7,752	-1,535	-16.5%
72.8%	9,260	7,749	-1,511	-16.3%
74.1%	9,194	7,724	-1,470	-16.0%
75.3%	8,959	7,560	-1,400	-15.6%
76.5%	8,943	7,549	-1,394	-15.6%
77.8%	8,294	7,515	-779	-9.4%
79.0%	8,182	7,477	-705	-8.6%
80.2%	7,768	7,297	-471	-6.1%
81.5%	7,700	7,241	-459	-6.0%
82.7%	7,566	7,099	-467	-6.2%
84.0%	7,544	7,055	-489	-6.5%
85.2%	7,493	7,029	-465	-6.2%
86.4%	7,329	7,005	-325	-4.4%
87.7%	7,235	6,661	-574	-7.9%
88.9%	6,282	6,200	-82	-1.3%
90.1%	6,129	6,184	55	0.9%
91.4%	6,079	6,126	47	0.8%
92.6%	6,020	6,054	34	0.6%
93.8%	5,925	5,975	51	0.9%
95.1%	5,897	5,896	0	0.0%
96.3%	5,679	5,891	212	3.7%
97.5%	5,577	5,564	-13	-0.2%
98.8%	4,683	4,683	0	0.0%
100.0%	4,550	4,561	11	0.2%

Table SW-14-b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	102,785	100,994	-1,792	-1.7%
1.2%	96,964	97,054	90	0.1%
2.5%	83,659	81,750	-1,909	-2.3%
3.7%	82,459	79,497	-2,963	-3.6%
4.9%	80,729	77,889	-2,840	-3.5%
6.2%	77,780	77,734	-47	-0.1%
7.4%	75,418	75,305	-113	-0.1%
8.6%	66,914	66,428	-486	-0.7%
9.9%	65,784	64,017	-1,767	-2.7%
11.1%	64,196	62,751	-1,445	-2.3%
12.3%	62,556	62,714	158	0.3%
13.6%	61,965	60,324	-1,641	-2.6%
14.8%	61,627	58,145	-3,482	-5.6%
16.0%	54,660	50,129	-4,532	-8.3%
17.3%	50,967	49,097	-1,870	-3.7%
18.5%	49,722	47,128	-2,594	-5.2%
19.8%	49,315	45,507	-3,808	-7.7%
21.0%	47,778	44,918	-2,860	-6.0%
22.2%	46,752	42,420	-4,332	-9.3%
23.5%	43,939	41,686	-2,253	-5.1%
24.7%	41,667	39,454	-2,212	-5.3%
25.9%	38,167	34,158	-4,009	-10.5%
27.2%	36,531	33,624	-2,908	-8.0%
28.4%	33,454	32,014	-1,440	-4.3%
29.6%	33,047	31,475	-1,572	-4.8%
30.9%	32,976	30,208	-2,767	-8.4%
32.1%	32,735	30,000	-2,735	-8.4%
33.3%	32,511	30,000	-2,511	-7.7%
34.6%	32,127	29,485	-2,643	-8.2%
35.8%	30,000	28,290	-1,710	-5.7%
37.0%	27,479	23,230	-4,249	-15.5%
38.3%	26,172	23,123	-3,049	-11.6%
39.5%	26,094	22,653	-3,441	-13.2%
40.7%	25,665	21,776	-3,889	-15.2%
42.0%	24,306	20,786	-3,520	-14.5%
43.2%	24,175	20,541	-3,634	-15.0%
44.4%	22,983	19,792	-3,191	-13.9%
45.7%	22,677	18,460	-4,217	-18.6%
46.9%	22,029	18,309	-3,720	-16.9%
48.1%	21,304	17,596	-3,709	-17.4%
49.4%	20,315	17,186	-3,129	-15.4%
50.6%	17,941	17,124	-817	-4.6%
51.9%	17,252	17,022	-230	-1.3%
53.1%	17,193	14,812	-2,381	-13.8%
54.3%	16,348	13,181	-3,167	-19.4%
55.6%	16,195	13,081	-3,114	-19.2%
56.8%	15,775	12,781	-2,994	-19.0%
58.0%	15,285	12,318	-2,967	-19.4%
59.3%	14,188	11,869	-2,319	-16.3%
60.5%	13,882	11,759	-2,123	-15.3%
61.7%	13,704	11,375	-2,329	-17.0%
63.0%	13,497	11,097	-2,399	-17.8%
64.2%	13,401	10,297	-3,104	-23.2%
65.4%	12,786	10,248	-2,538	-19.8%
66.7%	12,550	9,629	-2,921	-23.3%
67.9%	12,444	9,333	-3,111	-25.0%
69.1%	12,018	9,169	-2,849	-23.7%
70.4%	11,828	9,120	-2,708	-22.9%
71.6%	11,420	9,057	-2,363	-20.7%
72.8%	11,032	8,886	-2,146	-19.5%
74.1%	10,555	8,828	-1,727	-16.4%
75.3%	10,316	8,428	-1,888	-18.3%
76.5%	9,773	8,353	-1,420	-14.5%
77.8%	9,324	8,274	-1,050	-11.3%
79.0%	8,943	7,725	-1,218	-13.6%
80.2%	8,534	7,494	-1,040	-12.2%
81.5%	8,436	6,990	-1,447	-17.1%
82.7%	8,187	6,608	-1,579	-19.3%
84.0%	7,735	6,238	-1,497	-19.4%
85.2%	7,345	6,216	-1,128	-15.4%
86.4%	7,341	6,158	-1,184	-16.1%
87.7%	7,298	6,149	-1,150	-15.8%
88.9%	7,094	6,014	-1,080	-15.2%
90.1%	6,979	5,795	-1,184	-17.0%
91.4%	6,880	5,768	-1,112	-16.2%
92.6%	6,761	5,745	-1,015	-15.0%
93.8%	6,361	5,617	-745	-11.7%
95.1%	6,069	5,562	-508	-8.4%
96.3%	5,407	5,397	-10	-0.2%
97.5%	5,118	5,319	201	3.9%
98.8%	4,838	5,184	347	7.2%
100.0%	4,443	4,941	498	11.2%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	93,879	94,024	145	0.2%
1.2%	86,295	84,890	-1,405	-1.6%
2.5%	77,413	73,475	-3,937	-5.1%
3.7%	56,443	56,442	-2	0.0%
4.9%	55,170	51,199	-3,971	-7.2%
6.2%	53,068	49,268	-3,800	-7.2%
7.4%	47,483	43,818	-3,665	-7.7%
8.6%	46,997	41,581	-5,416	-11.5%
9.9%	45,332	41,054	-4,278	-9.4%
11.1%	42,368	40,119	-2,249	-5.3%
12.3%	40,105	38,495	-1,609	-4.0%
13.6%	38,511	36,466	-2,045	-5.3%
14.8%	34,425	34,708	283	0.8%
16.0%	33,089	30,000	-3,089	-9.3%
17.3%	30,000	30,000	0	0.0%
18.5%	30,000	28,491	-1,509	-5.0%
19.8%	29,869	28,016	-1,853	-6.2%
21.0%	28,524	27,780	-744	-2.6%
22.2%	27,793	27,744	-50	-0.2%
23.5%	26,660	24,994	-1,666	-6.2%
24.7%	25,727	22,443	-3,285	-12.8%
25.9%	25,722	22,391	-3,330	-12.9%
27.2%	25,032	20,767	-4,265	-17.0%
28.4%	23,755	19,603	-4,151	-17.5%
29.6%	22,023	18,783	-3,241	-14.7%
30.9%	19,914	18,528	-1,386	-7.0%
32.1%	19,862	16,401	-3,461	-17.4%
33.3%	19,691	15,749	-3,943	-20.0%
34.6%	19,615	15,548	-4,067	-20.7%
35.8%	19,550	15,320	-4,231	-21.6%
37.0%	18,927	15,216	-3,711	-19.6%
38.3%	18,859	14,922	-3,936	-20.9%
39.5%	17,959	14,838	-3,120	-17.4%
40.7%	17,385	14,754	-2,630	-15.1%
42.0%	16,525	14,601	-1,924	-11.6%
43.2%	16,253	14,332	-1,921	-11.8%
44.4%	15,923	14,030	-1,893	-11.9%
45.7%	15,584	13,805	-1,779	-11.4%
46.9%	15,323	13,692	-1,631	-10.6%
48.1%	15,105	13,307	-1,798	-11.9%
49.4%	15,061	12,860	-2,201	-14.6%
50.6%	14,982	12,076	-2,906	-19.4%
51.9%	14,967	11,704	-3,264	-21.8%
53.1%	14,560	11,131	-3,428	-23.5%
54.3%	13,971	11,004	-2,966	-21.2%
55.6%	13,466	10,605	-2,860	-21.2%
56.8%	12,954	10,447	-2,507	-19.4%
58.0%	12,379	10,143	-2,236	-18.1%
59.3%	12,302	10,046	-2,257	-18.3%
60.5%	11,762	9,930	-1,832	-15.6%
61.7%	11,462	9,736	-1,725	-15.1%
63.0%	11,096	9,586	-1,510	-13.6%
64.2%	10,990	9,462	-1,528	-13.9%
65.4%	10,781	9,350	-1,431	-13.3%
66.7%	10,497	9,320	-1,177	-11.2%
67.9%	10,206	9,025	-1,181	-11.6%
69.1%	10,017	8,928	-1,089	-10.9%
70.4%	9,971	8,779	-1,192	-12.0%
71.6%	9,734	8,540	-1,194	-12.3%
72.8%	9,628	8,232	-1,396	-14.5%
74.1%	9,373	8,222	-1,151	-12.3%
75.3%	9,369	8,194	-1,175	-12.5%
76.5%	9,313	8,085	-1,229	-13.2%
77.8%	8,986	8,032	-954	-10.6%
79.0%	8,873	7,886	-986	-11.1%
80.2%	8,589	7,700	-889	-10.4%
81.5%	8,471	7,614	-858	-10.1%
82.7%	8,348	7,611	-737	-8.8%
84.0%	8,302	7,492	-809	-9.7%
85.2%	8,277	7,014	-1,264	-15.3%
86.4%	8,179	6,953	-1,226	-15.0%
87.7%	8,036	6,736	-1,301	-16.2%
88.9%	7,587	6,586	-1,001	-13.2%
90.1%	6,860	6,537	-324	-4.7%
91.4%	6,658	6,306	-352	-5.3%
92.6%	6,548	6,097	-451	-6.9%
93.8%	5,960	6,084	124	2.1%
95.1%	5,874	6,021	147	2.5%
96.3%	5,764	5,918	153	2.7%
97.5%	5,750	5,852	102	1.8%
98.8%	5,698	5,692	-6	-0.1%
100.0%	5,615	5,310	-304	-5.4%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	49,896	46,796	-3,101	-6.2%
1.2%	42,526	42,473	-53	-0.1%
2.5%	42,211	42,163	-49	-0.1%
3.7%	39,448	37,960	-1,487	-3.8%
4.9%	27,437	27,365	-72	-0.3%
6.2%	26,030	26,019	-11	0.0%
7.4%	25,816	25,358	-458	-1.8%
8.6%	23,595	22,443	-1,152	-4.9%
9.9%	21,879	18,870	-3,010	-13.8%
11.1%	18,536	16,382	-2,155	-11.6%
12.3%	17,097	15,958	-1,138	-6.7%
13.6%	16,579	14,205	-2,374	-14.3%
14.8%	16,057	13,770	-2,287	-14.2%
16.0%	15,948	12,995	-2,953	-18.5%
17.3%	15,941	12,286	-3,655	-22.9%
18.5%	14,523	12,250	-2,274	-15.7%
19.8%	14,452	11,991	-2,460	-17.0%
21.0%	12,757	11,548	-1,209	-9.5%
22.2%	12,332	11,376	-956	-7.8%
23.5%	12,013	10,868	-1,145	-9.5%
24.7%	11,290	10,401	-888	-7.9%
25.9%	10,722	10,220	-502	-4.7%
27.2%	10,585	10,084	-501	-4.7%
28.4%	10,023	9,695	-328	-3.3%
29.6%	9,617	9,648	31	0.3%
30.9%	9,221	9,216	-5	-0.1%
32.1%	8,866	9,029	163	1.8%
33.3%	8,589	8,912	322	3.7%
34.6%	8,462	8,860	398	4.7%
35.8%	8,319	8,712	393	4.7%
37.0%	8,162	8,390	228	2.8%
38.3%	8,132	8,249	117	1.4%
39.5%	8,017	8,227	210	2.6%
40.7%	7,577	7,950	373	4.9%
42.0%	7,445	7,588	143	1.9%
43.2%	7,216	7,397	181	2.5%
44.4%	7,074	7,314	241	3.4%
45.7%	7,007	7,082	76	1.1%
46.9%	6,946	7,035	89	1.3%
48.1%	6,925	7,024	100	1.4%
49.4%	6,857	6,880	22	0.3%
50.6%	6,852	6,736	-116	-1.7%
51.9%	6,847	6,678	-169	-2.5%
53.1%	6,840	6,659	-181	-2.6%
54.3%	6,671	6,634	-37	-0.6%
55.6%	6,656	6,508	-148	-2.2%
56.8%	6,469	6,317	-152	-2.4%
58.0%	6,455	6,317	-138	-2.1%
59.3%	6,111	6,302	190	3.1%
60.5%	6,074	6,297	223	3.7%
61.7%	6,014	6,271	257	4.3%
63.0%	6,004	6,262	258	4.3%
64.2%	5,990	6,182	192	3.2%
65.4%	5,979	6,109	130	2.2%
66.7%	5,974	6,086	112	1.9%
67.9%	5,974	6,061	88	1.5%
69.1%	5,910	6,043	133	2.2%
70.4%	5,868	5,993	125	2.1%
71.6%	5,868	5,987	119	2.0%
72.8%	5,798	5,975	177	3.0%
74.1%	5,795	5,881	87	1.5%
75.3%	5,779	5,878	99	1.7%
76.5%	5,699	5,858	159	2.8%
77.8%	5,688	5,647	-41	-0.7%
79.0%	5,656	5,600	-56	-1.0%
80.2%	5,623	5,570	-53	-0.9%
81.5%	5,579	5,539	-40	-0.7%
82.7%	5,576	5,480	-96	-1.7%
84.0%	5,513	5,473	-41	-0.7%
85.2%	5,386	5,409	23	0.4%
86.4%	5,341	5,217	-125	-2.3%
87.7%	5,322	5,214	-108	-2.0%
88.9%	5,286	5,212	-74	-1.4%
90.1%	5,239	5,204	-34	-0.7%
91.4%	5,196	5,097	-99	-1.9%
92.6%	5,156	5,094	-62	-1.2%
93.8%	5,093	5,067	-26	-0.5%
95.1%	5,091	5,062	-29	-0.6%
96.3%	5,013	4,974	-39	-0.8%
97.5%	4,995	4,858	-137	-2.7%
98.8%	4,884	4,724	-160	-3.3%
100.0%	4,687	4,597	-90	-1.9%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,081	19,266	-1,815	-8.6%
1.2%	18,769	15,975	-2,794	-14.9%
2.5%	13,982	14,017	35	0.2%
3.7%	12,522	11,586	-936	-7.5%
4.9%	11,281	11,012	-269	-2.4%
6.2%	11,119	10,699	-420	-3.8%
7.4%	10,603	10,658	55	0.5%
8.6%	10,541	10,633	92	0.9%
9.9%	10,321	9,359	-962	-9.3%
11.1%	9,216	9,305	88	1.0%
12.3%	9,176	9,084	-92	-1.0%
13.6%	9,113	9,024	-89	-1.0%
14.8%	8,672	8,863	191	2.2%
16.0%	8,385	8,650	265	3.2%
17.3%	8,312	7,997	-315	-3.8%
18.5%	8,035	7,958	-77	-1.0%
19.8%	7,884	7,944	60	0.8%
21.0%	7,698	7,915	217	2.8%
22.2%	7,635	7,908	273	3.6%
23.5%	7,590	7,860	271	3.6%
24.7%	7,542	7,782	240	3.2%
25.9%	7,481	7,747	266	3.6%
27.2%	7,356	7,603	247	3.4%
28.4%	7,336	7,600	264	3.6%
29.6%	7,198	7,513	315	4.4%
30.9%	7,153	7,471	318	4.4%
32.1%	7,127	7,432	305	4.3%
33.3%	7,060	7,432	372	5.3%
34.6%	7,030	7,430	400	5.7%
35.8%	6,890	7,367	477	6.9%
37.0%	6,889	7,348	459	6.7%
38.3%	6,842	7,256	414	6.1%
39.5%	6,748	7,204	456	6.8%
40.7%	6,744	6,547	-197	-2.9%
42.0%	6,659	6,443	-216	-3.3%
43.2%	6,574	6,368	-206	-3.1%
44.4%	6,550	6,329	-221	-3.4%
45.7%	6,542	6,277	-265	-4.1%
46.9%	6,531	6,210	-321	-4.9%
48.1%	6,371	6,171	-200	-3.1%
49.4%	6,253	6,119	-134	-2.1%
50.6%	6,236	6,044	-192	-3.1%
51.9%	6,209	6,038	-171	-2.8%
53.1%	6,171	6,036	-135	-2.2%
54.3%	6,122	6,006	-116	-1.9%
55.6%	6,120	5,896	-224	-3.7%
56.8%	6,119	5,871	-248	-4.1%
58.0%	6,092	5,812	-280	-4.6%
59.3%	6,073	5,759	-314	-5.2%
60.5%	5,968	5,739	-230	-3.8%
61.7%	5,920	5,659	-261	-4.4%
63.0%	5,874	5,631	-243	-4.1%
64.2%	5,805	5,626	-179	-3.1%
65.4%	5,701	5,577	-125	-2.2%
66.7%	5,631	5,527	-104	-1.8%
67.9%	5,609	5,510	-99	-1.8%
69.1%	5,596	5,479	-117	-2.1%
70.4%	5,554	5,446	-108	-1.9%
71.6%	5,505	5,439	-67	-1.2%
72.8%	5,500	5,396	-104	-1.9%
74.1%	5,495	5,355	-140	-2.5%
75.3%	5,452	5,349	-103	-1.9%
76.5%	5,431	5,306	-125	-2.3%
77.8%	5,357	5,301	-56	-1.0%
79.0%	5,346	5,296	-50	-0.9%
80.2%	5,299	5,272	-28	-0.5%
81.5%	5,229	5,271	42	0.8%
82.7%	5,205	5,246	41	0.8%
84.0%	5,136	5,233	97	1.9%
85.2%	5,129	5,006	-123	-2.4%
86.4%	5,087	4,978	-110	-2.2%
87.7%	5,013	4,948	-66	-1.3%
88.9%	5,007	4,942	-65	-1.3%
90.1%	4,978	4,914	-65	-1.3%
91.4%	4,862	4,875	13	0.3%
92.6%	4,857	4,781	-76	-1.6%
93.8%	4,857	4,758	-99	-2.0%
95.1%	4,848	4,719	-129	-2.7%
96.3%	4,786	4,701	-85	-1.8%
97.5%	4,694	4,652	-42	-0.9%
98.8%	4,677	4,647	-31	-0.7%
100.0%	4,575	4,629	54	1.2%

Table SW-14-b

Sacramento River below Delevan Intake and Pipeline, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,971	16,961	-11	-0.1%
1.2%	11,547	13,055	1,508	13.1%
2.5%	11,388	12,743	1,355	11.9%
3.7%	11,325	12,669	1,344	11.9%
4.9%	11,064	12,586	1,522	13.8%
6.2%	10,751	12,135	1,385	12.9%
7.4%	10,748	11,789	1,041	9.7%
8.6%	10,597	11,635	1,038	9.8%
9.9%	10,457	11,627	1,169	11.2%
11.1%	10,349	11,510	1,161	11.2%
12.3%	10,215	11,444	1,230	12.0%
13.6%	10,204	11,033	830	8.1%
14.8%	10,099	11,024	925	9.2%
16.0%	10,091	10,864	772	7.7%
17.3%	10,075	10,854	779	7.7%
18.5%	9,908	10,777	868	8.8%
19.8%	9,749	10,661	913	9.4%
21.0%	9,647	10,649	1,002	10.4%
22.2%	9,639	10,632	994	10.3%
23.5%	9,554	10,457	903	9.4%
24.7%	9,540	10,127	586	6.1%
25.9%	9,494	10,121	628	6.6%
27.2%	9,478	10,108	630	6.6%
28.4%	9,419	10,057	638	6.8%
29.6%	9,319	10,031	713	7.6%
30.9%	9,310	9,972	662	7.1%
32.1%	9,200	9,932	733	8.0%
33.3%	9,107	9,930	823	9.0%
34.6%	9,107	9,909	802	8.8%
35.8%	9,069	9,846	778	8.6%
37.0%	9,023	9,766	744	8.2%
38.3%	8,866	9,710	845	9.5%
39.5%	8,835	9,642	807	9.1%
40.7%	8,781	9,638	856	9.8%
42.0%	8,734	9,539	805	9.2%
43.2%	8,670	9,464	794	9.2%
44.4%	8,609	9,358	748	8.7%
45.7%	8,557	9,298	741	8.7%
46.9%	8,492	9,215	723	8.5%
48.1%	8,402	9,131	728	8.7%
49.4%	8,188	9,113	924	11.3%
50.6%	8,067	9,046	979	12.1%
51.9%	8,044	8,997	953	11.9%
53.1%	8,037	8,874	837	10.4%
54.3%	8,035	8,837	802	10.0%
55.6%	7,949	8,720	771	9.7%
56.8%	7,850	8,710	860	11.0%
58.0%	7,798	8,684	886	11.4%
59.3%	7,732	8,605	873	11.3%
60.5%	7,723	8,510	787	10.2%
61.7%	7,655	8,506	852	11.1%
63.0%	7,654	8,450	796	10.4%
64.2%	7,551	8,434	883	11.7%
65.4%	7,473	8,424	950	12.7%
66.7%	7,454	8,236	783	10.5%
67.9%	7,447	8,189	742	10.0%
69.1%	7,393	8,166	773	10.5%
70.4%	7,345	7,873	528	7.2%
71.6%	7,341	7,796	455	6.2%
72.8%	7,332	7,775	442	6.0%
74.1%	7,328	7,731	403	5.5%
75.3%	7,198	7,657	459	6.4%
76.5%	7,169	7,291	121	1.7%
77.8%	7,168	7,242	74	1.0%
79.0%	7,113	7,232	120	1.7%
80.2%	7,075	7,192	117	1.7%
81.5%	6,991	7,122	131	1.9%
82.7%	6,940	7,119	178	2.6%
84.0%	6,842	7,105	263	3.9%
85.2%	6,648	7,102	454	6.8%
86.4%	6,423	7,081	658	10.2%
87.7%	6,390	7,071	681	10.7%
88.9%	6,363	7,066	702	11.0%
90.1%	6,264	7,062	797	12.7%
91.4%	6,214	7,043	829	13.3%
92.6%	6,195	7,024	828	13.4%
93.8%	6,184	6,910	726	11.7%
95.1%	5,981	6,357	375	6.3%
96.3%	5,930	6,355	424	7.2%
97.5%	5,724	6,280	556	9.7%
98.8%	5,690	6,192	503	8.8%
100.0%	5,649	6,082	433	7.7%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,826	17,274	5,448	46.1%
1.2%	11,798	17,234	5,435	46.1%
2.5%	11,766	17,227	5,461	46.4%
3.7%	11,302	17,167	5,865	51.9%
4.9%	11,272	17,154	5,883	52.2%
6.2%	11,254	17,153	5,899	52.4%
7.4%	11,160	17,106	5,947	53.3%
8.6%	11,016	17,089	6,073	55.1%
9.9%	10,970	13,668	2,698	24.6%
11.1%	10,968	13,641	2,672	24.4%
12.3%	10,887	13,559	2,673	24.5%
13.6%	10,790	13,391	2,601	24.1%
14.8%	10,757	13,281	2,524	23.5%
16.0%	10,725	13,273	2,547	23.8%
17.3%	10,707	13,125	2,418	22.6%
18.5%	10,698	12,992	2,294	21.4%
19.8%	10,693	12,854	2,162	20.2%
21.0%	10,674	12,839	2,165	20.3%
22.2%	10,647	12,535	1,888	17.7%
23.5%	10,647	12,489	1,842	17.3%
24.7%	10,614	12,481	1,868	17.6%
25.9%	10,604	12,477	1,874	17.7%
27.2%	10,578	12,473	1,895	17.9%
28.4%	10,569	12,413	1,844	17.5%
29.6%	10,556	12,347	1,791	17.0%
30.9%	10,552	12,224	1,672	15.8%
32.1%	10,540	12,152	1,612	15.3%
33.3%	10,532	12,094	1,562	14.8%
34.6%	10,530	12,038	1,508	14.3%
35.8%	10,529	12,013	1,484	14.1%
37.0%	10,528	11,886	1,358	12.9%
38.3%	10,522	11,829	1,307	12.4%
39.5%	10,466	11,824	1,359	13.0%
40.7%	10,456	11,787	1,331	12.7%
42.0%	10,434	11,724	1,290	12.4%
43.2%	10,426	11,520	1,094	10.5%
44.4%	10,398	11,374	977	9.4%
45.7%	10,355	11,328	973	9.4%
46.9%	10,340	11,299	959	9.3%
48.1%	10,340	11,294	954	9.2%
49.4%	10,333	11,241	908	8.8%
50.6%	10,330	11,171	841	8.1%
51.9%	10,328	11,162	834	8.1%
53.1%	10,316	11,148	832	8.1%
54.3%	10,304	11,103	800	7.8%
55.6%	10,193	11,055	862	8.5%
56.8%	10,190	10,926	736	7.2%
58.0%	10,178	10,896	718	7.1%
59.3%	10,109	10,779	670	6.6%
60.5%	9,837	10,773	937	9.5%
61.7%	9,802	10,699	897	9.2%
63.0%	9,780	10,613	834	8.5%
64.2%	9,733	10,471	738	7.6%
65.4%	9,699	10,349	650	6.7%
66.7%	9,635	10,331	697	7.2%
67.9%	9,579	10,201	622	6.5%
69.1%	9,449	10,112	663	7.0%
70.4%	9,427	9,860	433	4.6%
71.6%	9,257	9,739	482	5.2%
72.8%	9,086	9,637	551	6.1%
74.1%	9,055	9,568	513	5.7%
75.3%	8,996	9,550	554	6.2%
76.5%	8,882	9,457	575	6.5%
77.8%	8,796	9,248	452	5.1%
79.0%	8,688	9,245	556	6.4%
80.2%	8,622	9,212	590	6.8%
81.5%	8,356	9,190	834	10.0%
82.7%	8,237	9,007	770	9.3%
84.0%	8,067	8,815	748	9.3%
85.2%	8,033	8,791	758	9.4%
86.4%	7,941	8,737	796	10.0%
87.7%	7,815	8,666	851	10.9%
88.9%	7,806	8,650	844	10.8%
90.1%	7,686	8,609	923	12.0%
91.4%	7,207	8,324	1,116	15.5%
92.6%	7,074	7,759	685	9.7%
93.8%	6,925	7,592	668	9.6%
95.1%	6,182	7,478	1,296	21.0%
96.3%	5,662	7,214	1,552	27.4%
97.5%	5,494	7,213	1,719	31.3%
98.8%	5,430	7,185	1,754	32.3%
100.0%	5,417	5,958	540	10.0%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,449	11,414	965	9.2%
1.2%	10,426	10,064	-362	-3.5%
2.5%	10,014	9,802	-212	-2.1%
3.7%	9,465	9,755	289	3.1%
4.9%	9,286	9,700	414	4.5%
6.2%	8,984	9,315	331	3.7%
7.4%	8,929	9,075	146	1.6%
8.6%	8,796	9,051	255	2.9%
9.9%	8,551	9,009	458	5.4%
11.1%	8,472	8,781	308	3.6%
12.3%	8,435	8,715	281	3.3%
13.6%	8,287	8,690	403	4.9%
14.8%	8,236	8,687	451	5.5%
16.0%	8,177	8,499	322	3.9%
17.3%	8,145	8,303	158	1.9%
18.5%	8,095	8,289	194	2.4%
19.8%	8,047	8,267	220	2.7%
21.0%	7,920	8,257	337	4.3%
22.2%	7,887	8,197	310	3.9%
23.5%	7,852	8,196	345	4.4%
24.7%	7,694	8,146	452	5.9%
25.9%	7,658	8,134	477	6.2%
27.2%	7,638	8,115	477	6.2%
28.4%	7,631	8,085	454	5.9%
29.6%	7,456	8,078	623	8.4%
30.9%	7,445	8,012	567	7.6%
32.1%	7,410	7,963	553	7.5%
33.3%	7,386	7,862	476	6.4%
34.6%	7,158	7,842	684	9.6%
35.8%	7,147	7,823	676	9.5%
37.0%	7,128	7,819	691	9.7%
38.3%	6,951	7,810	859	12.4%
39.5%	6,921	7,670	749	10.8%
40.7%	6,783	7,612	829	12.2%
42.0%	6,762	7,604	842	12.5%
43.2%	6,672	7,497	824	12.4%
44.4%	6,657	7,489	832	12.5%
45.7%	6,550	7,488	938	14.3%
46.9%	6,517	7,354	838	12.9%
48.1%	6,515	7,340	825	12.7%
49.4%	6,453	7,336	883	13.7%
50.6%	6,410	7,317	907	14.2%
51.9%	6,248	7,175	927	14.8%
53.1%	6,188	7,070	883	14.3%
54.3%	6,178	7,041	863	14.0%
55.6%	6,154	6,984	830	13.5%
56.8%	6,087	6,954	867	14.2%
58.0%	6,087	6,948	862	14.2%
59.3%	6,032	6,945	913	15.1%
60.5%	5,957	6,937	980	16.4%
61.7%	5,915	6,936	1,021	17.3%
63.0%	5,909	6,887	978	16.6%
64.2%	5,903	6,842	939	15.9%
65.4%	5,862	6,836	974	16.6%
66.7%	5,841	6,770	929	15.9%
67.9%	5,785	6,770	985	17.0%
69.1%	5,779	6,767	988	17.1%
70.4%	5,755	6,766	1,011	17.6%
71.6%	5,750	6,732	981	17.1%
72.8%	5,724	6,730	1,006	17.6%
74.1%	5,724	6,725	1,001	17.5%
75.3%	5,724	6,711	987	17.3%
76.5%	5,716	6,708	991	17.3%
77.8%	5,680	6,707	1,027	18.1%
79.0%	5,643	6,698	1,055	18.7%
80.2%	5,640	6,669	1,030	18.3%
81.5%	5,637	6,650	1,013	18.0%
82.7%	5,623	6,632	1,009	17.9%
84.0%	5,618	6,627	1,009	18.0%
85.2%	5,618	6,618	1,000	17.8%
86.4%	5,595	6,592	997	17.8%
87.7%	5,570	6,576	1,005	18.0%
88.9%	5,528	6,574	1,046	18.9%
90.1%	5,484	6,567	1,083	19.8%
91.4%	5,434	6,492	1,059	19.5%
92.6%	5,383	6,457	1,074	19.9%
93.8%	5,275	6,440	1,165	22.1%
95.1%	5,149	6,289	1,140	22.1%
96.3%	4,947	6,259	1,312	26.5%
97.5%	4,943	6,242	1,299	26.3%
98.8%	4,840	5,688	848	17.5%
100.0%	3,644	4,461	817	22.4%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,457	17,076	1,619	10.5%
1.2%	15,454	17,049	1,596	10.3%
2.5%	15,375	15,499	125	0.8%
3.7%	15,291	15,347	56	0.4%
4.9%	15,255	15,334	78	0.5%
6.2%	15,252	15,324	73	0.5%
7.4%	15,243	15,310	67	0.4%
8.6%	15,214	15,290	76	0.5%
9.9%	15,213	15,286	74	0.5%
11.1%	15,203	15,284	81	0.5%
12.3%	15,145	15,266	121	0.8%
13.6%	15,086	15,262	176	1.2%
14.8%	14,865	15,261	396	2.7%
16.0%	14,749	15,239	490	3.3%
17.3%	14,606	15,231	625	4.3%
18.5%	14,573	15,217	644	4.4%
19.8%	14,316	15,213	897	6.3%
21.0%	13,792	15,149	1,357	9.8%
22.2%	13,391	15,139	1,747	13.0%
23.5%	13,345	15,049	1,704	12.8%
24.7%	13,335	14,552	1,217	9.1%
25.9%	13,307	12,963	-344	-2.6%
27.2%	13,205	12,887	-318	-2.4%
28.4%	12,866	12,755	-111	-0.9%
29.6%	12,620	12,682	62	0.5%
30.9%	12,279	12,548	269	2.2%
32.1%	11,674	11,158	-516	-4.4%
33.3%	11,545	10,809	-736	-6.4%
34.6%	11,200	9,846	-1,354	-12.1%
35.8%	10,993	9,606	-1,387	-12.6%
37.0%	10,294	9,569	-725	-7.0%
38.3%	9,200	8,910	-291	-3.2%
39.5%	8,681	8,481	-200	-2.3%
40.7%	8,347	8,282	-65	-0.8%
42.0%	8,116	8,268	152	1.9%
43.2%	7,374	8,199	825	11.2%
44.4%	7,223	8,044	821	11.4%
45.7%	6,972	7,807	834	12.0%
46.9%	6,691	7,750	1,059	15.8%
48.1%	6,441	7,612	1,172	18.2%
49.4%	6,099	7,573	1,474	24.2%
50.6%	6,045	7,493	1,448	24.0%
51.9%	5,812	7,364	1,552	26.7%
53.1%	5,812	7,315	1,503	25.9%
54.3%	5,476	7,231	1,754	32.0%
55.6%	5,227	7,010	1,783	34.1%
56.8%	5,211	6,879	1,669	32.0%
58.0%	5,120	6,868	1,747	34.1%
59.3%	5,050	6,836	1,786	35.4%
60.5%	4,957	6,753	1,796	36.2%
61.7%	4,855	6,735	1,880	38.7%
63.0%	4,810	6,732	1,922	40.0%
64.2%	4,799	6,714	1,915	39.9%
65.4%	4,678	6,607	1,929	41.2%
66.7%	4,677	6,560	1,883	40.3%
67.9%	4,575	6,557	1,982	43.3%
69.1%	4,517	6,521	2,005	44.4%
70.4%	4,444	6,501	2,057	46.3%
71.6%	4,443	6,496	2,053	46.2%
72.8%	4,434	6,459	2,024	45.7%
74.1%	4,428	6,441	2,013	45.5%
75.3%	4,413	6,401	1,988	45.0%
76.5%	4,381	6,354	1,973	45.0%
77.8%	4,365	6,321	1,956	44.8%
79.0%	4,310	6,258	1,948	45.2%
80.2%	4,282	6,146	1,864	43.5%
81.5%	4,228	6,144	1,916	45.3%
82.7%	4,165	5,989	1,824	43.8%
84.0%	4,127	5,955	1,828	44.3%
85.2%	4,080	5,912	1,832	44.9%
86.4%	4,068	5,907	1,839	45.2%
87.7%	3,982	5,885	1,903	47.8%
88.9%	3,839	5,746	1,907	49.7%
90.1%	3,833	5,694	1,861	48.5%
91.4%	3,822	5,470	1,647	43.1%
92.6%	3,785	5,449	1,664	44.0%
93.8%	3,778	5,361	1,583	41.9%
95.1%	3,754	5,301	1,547	41.2%
96.3%	3,737	5,239	1,502	40.2%
97.5%	3,671	5,212	1,541	42.0%
98.8%	3,624	4,597	974	26.9%
100.0%	3,558	4,179	621	17.4%

Figure SW-15-b
Sacramento River at Wilken Slough, Monthly Flow
Probability of Exceedance

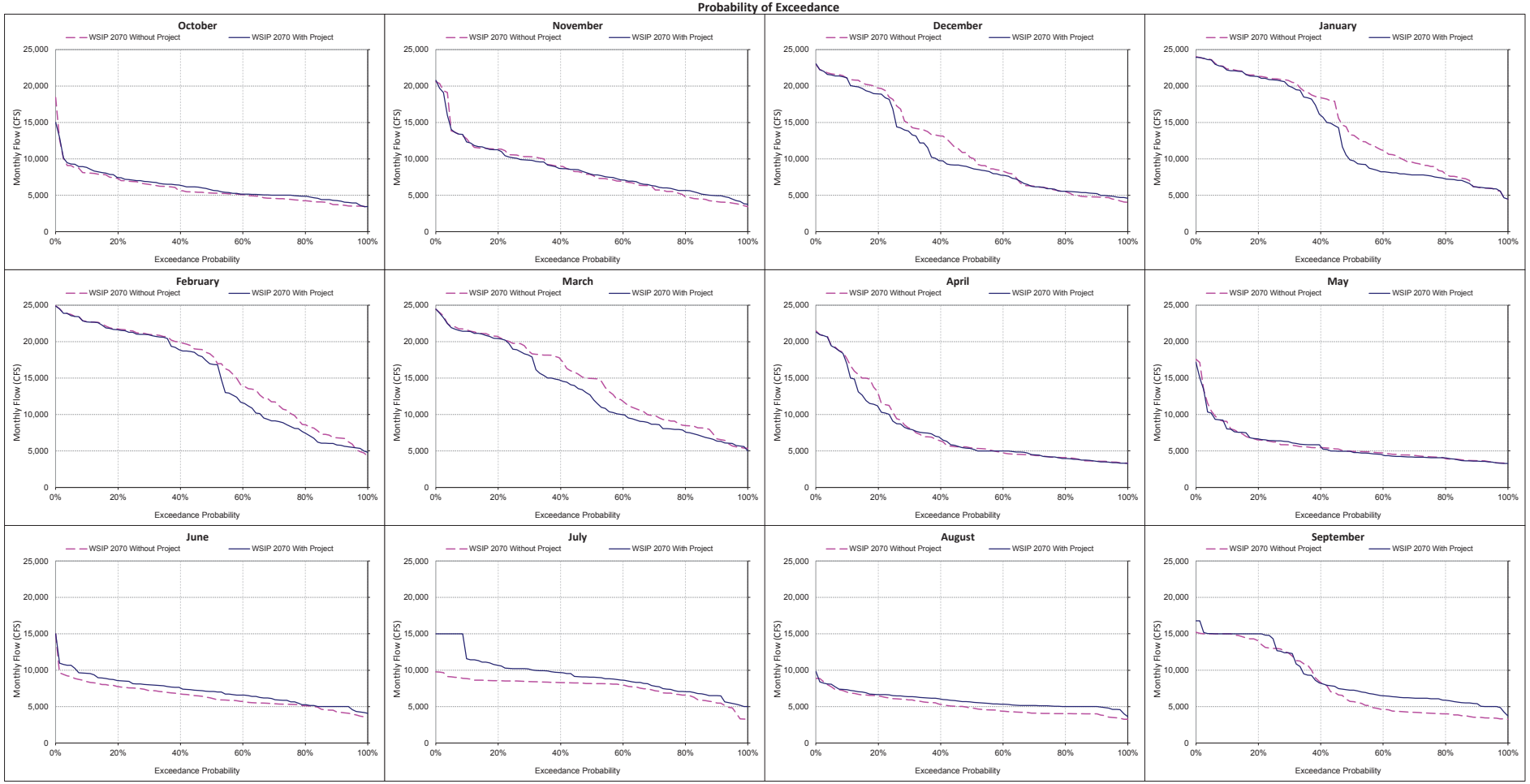


Table SW-15-b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	18,434	15,000	-3,434	-18.6%
1.2%	12,719	12,945	226	1.8%
2.5%	10,136	10,113	-22	-0.2%
3.7%	9,083	9,486	402	4.4%
4.9%	9,067	9,302	235	2.6%
6.2%	8,757	9,261	504	5.8%
7.4%	8,730	8,932	202	2.3%
8.6%	8,126	8,927	801	9.9%
9.9%	8,076	8,813	737	9.1%
11.1%	8,040	8,572	531	6.6%
12.3%	8,004	8,328	324	4.0%
13.6%	7,891	8,217	327	4.1%
14.8%	7,870	8,100	230	2.9%
16.0%	7,805	8,058	253	3.2%
17.3%	7,480	7,861	381	5.1%
18.5%	7,423	7,831	408	5.5%
19.8%	7,329	7,426	97	1.3%
21.0%	7,014	7,416	402	5.7%
22.2%	7,002	7,177	175	2.5%
23.5%	6,928	7,135	208	3.0%
24.7%	6,883	7,093	210	3.0%
25.9%	6,865	7,027	162	2.4%
27.2%	6,693	6,995	302	4.5%
28.4%	6,581	6,901	321	4.9%
29.6%	6,507	6,866	360	5.5%
30.9%	6,432	6,814	382	5.9%
32.1%	6,354	6,752	398	6.3%
33.3%	6,241	6,613	372	6.0%
34.6%	6,229	6,534	305	4.9%
35.8%	6,192	6,526	334	5.4%
37.0%	6,149	6,505	355	5.8%
38.3%	6,082	6,435	353	5.8%
39.5%	5,611	6,401	790	14.1%
40.7%	5,611	6,297	686	12.2%
42.0%	5,473	6,157	684	12.5%
43.2%	5,463	6,154	691	12.6%
44.4%	5,449	6,142	693	12.7%
45.7%	5,418	6,131	713	13.2%
46.9%	5,409	6,015	607	11.2%
48.1%	5,325	5,944	620	11.6%
49.4%	5,315	5,803	488	9.2%
50.6%	5,296	5,644	348	6.6%
51.9%	5,295	5,627	332	6.3%
53.1%	5,255	5,475	220	4.2%
54.3%	5,244	5,410	166	3.2%
55.6%	5,200	5,356	156	3.0%
56.8%	5,185	5,248	63	1.2%
58.0%	5,169	5,246	77	1.5%
59.3%	5,119	5,163	44	0.9%
60.5%	5,057	5,153	96	1.9%
61.7%	4,931	5,152	221	4.5%
63.0%	4,927	5,136	210	4.3%
64.2%	4,882	5,104	222	4.5%
65.4%	4,852	5,067	215	4.4%
66.7%	4,653	5,061	408	8.8%
67.9%	4,601	5,042	441	9.6%
69.1%	4,583	5,000	417	9.1%
70.4%	4,558	5,000	442	9.7%
71.6%	4,530	5,000	470	10.4%
72.8%	4,530	5,000	470	10.4%
74.1%	4,457	5,000	543	12.2%
75.3%	4,439	5,000	561	12.6%
76.5%	4,362	4,933	571	13.1%
77.8%	4,328	4,916	588	13.6%
79.0%	4,245	4,871	626	14.7%
80.2%	4,243	4,868	625	14.7%
81.5%	4,191	4,754	563	13.4%
82.7%	4,103	4,648	545	13.3%
84.0%	4,089	4,585	496	12.1%
85.2%	4,080	4,407	328	8.0%
86.4%	4,044	4,401	356	8.8%
87.7%	3,922	4,399	477	12.2%
88.9%	3,720	4,302	583	15.7%
90.1%	3,703	4,266	563	15.2%
91.4%	3,678	4,181	502	13.7%
92.6%	3,622	4,034	412	11.4%
93.8%	3,525	4,007	482	13.7%
95.1%	3,519	3,947	427	12.1%
96.3%	3,514	3,938	424	12.1%
97.5%	3,496	3,623	127	3.6%
98.8%	3,485	3,439	-46	-1.3%
100.0%	3,254	3,437	183	5.6%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,607	20,790	183	0.9%
1.2%	20,332	19,721	-610	-3.0%
2.5%	19,357	19,110	-248	-1.3%
3.7%	19,118	16,010	-3,107	-16.3%
4.9%	13,841	14,033	191	1.4%
6.2%	13,673	13,625	-48	-0.4%
7.4%	13,343	13,397	54	0.4%
8.6%	13,176	13,359	183	1.4%
9.9%	12,759	12,316	-443	-3.5%
11.1%	12,114	12,184	70	0.6%
12.3%	11,586	11,830	244	2.1%
13.6%	11,507	11,692	186	1.6%
14.8%	11,444	11,641	197	1.7%
16.0%	11,438	11,478	40	0.4%
17.3%	11,396	11,289	-107	-0.9%
18.5%	11,357	11,256	-100	-0.9%
19.8%	11,347	11,248	-99	-0.9%
21.0%	11,342	11,005	-337	-3.0%
22.2%	11,119	10,451	-668	-6.0%
23.5%	10,563	10,269	-295	-2.8%
24.7%	10,548	10,139	-409	-3.9%
25.9%	10,517	10,062	-455	-4.3%
27.2%	10,371	9,911	-460	-4.4%
28.4%	10,312	9,869	-443	-4.3%
29.6%	10,309	9,832	-477	-4.6%
30.9%	10,281	9,807	-474	-4.6%
32.1%	10,224	9,640	-585	-5.7%
33.3%	10,090	9,591	-499	-4.9%
34.6%	10,006	9,588	-418	-4.2%
35.8%	9,234	9,141	-93	-1.0%
37.0%	9,159	9,033	-126	-1.4%
38.3%	9,049	8,933	-116	-1.3%
39.5%	8,997	8,689	-308	-3.4%
40.7%	8,948	8,658	-290	-3.2%
42.0%	8,654	8,644	-10	-0.1%
43.2%	8,471	8,542	70	0.8%
44.4%	8,253	8,537	284	3.4%
45.7%	8,242	8,521	279	3.4%
46.9%	8,102	8,301	198	2.4%
48.1%	7,898	8,119	221	2.8%
49.4%	7,886	7,932	46	0.6%
50.6%	7,663	7,811	148	1.9%
51.9%	7,330	7,787	457	6.2%
53.1%	7,309	7,705	395	5.4%
54.3%	7,284	7,558	274	3.8%
55.6%	7,179	7,465	286	4.0%
56.8%	7,115	7,435	320	4.5%
58.0%	6,958	7,254	297	4.3%
59.3%	6,936	7,134	198	2.9%
60.5%	6,893	7,068	175	2.5%
61.7%	6,783	6,956	173	2.6%
63.0%	6,702	6,946	245	3.7%
64.2%	6,557	6,854	297	4.5%
65.4%	6,361	6,603	241	3.8%
66.7%	6,343	6,503	160	2.5%
67.9%	6,330	6,479	149	2.4%
69.1%	6,241	6,349	108	1.7%
70.4%	5,729	6,256	527	9.2%
71.6%	5,724	6,067	343	6.0%
72.8%	5,674	6,014	340	6.0%
74.1%	5,517	5,999	482	8.7%
75.3%	5,516	5,923	407	7.4%
76.5%	5,489	5,783	294	5.4%
77.8%	5,283	5,668	385	7.3%
79.0%	5,114	5,663	549	10.7%
80.2%	4,699	5,656	958	20.4%
81.5%	4,685	5,635	950	20.3%
82.7%	4,551	5,485	935	20.5%
84.0%	4,507	5,348	840	18.6%
85.2%	4,492	5,157	665	14.8%
86.4%	4,437	5,080	643	14.5%
87.7%	4,245	5,000	755	17.8%
88.9%	4,190	4,993	803	19.2%
90.1%	4,120	4,951	831	20.2%
91.4%	4,051	4,938	888	21.9%
92.6%	4,042	4,796	754	18.7%
93.8%	4,010	4,678	668	16.7%
95.1%	3,922	4,489	567	14.4%
96.3%	3,842	4,264	421	11.0%
97.5%	3,736	4,169	433	11.6%
98.8%	3,570	3,827	257	7.2%
100.0%	3,435	3,762	327	9.5%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	22,981	23,069	89	0.4%
1.2%	22,243	22,230	-13	-0.1%
2.5%	22,118	22,043	-74	-0.3%
3.7%	21,813	21,589	-225	-1.0%
4.9%	21,677	21,542	-135	-0.6%
6.2%	21,594	21,392	-202	-0.9%
7.4%	21,567	21,392	-176	-0.8%
8.6%	21,427	21,286	-141	-0.7%
9.9%	21,099	21,121	22	0.1%
11.1%	20,875	20,053	-822	-3.9%
12.3%	20,828	19,957	-871	-4.2%
13.6%	20,791	19,885	-906	-4.4%
14.8%	20,440	19,664	-776	-3.8%
16.0%	20,229	19,348	-881	-4.4%
17.3%	20,147	19,227	-919	-4.6%
18.5%	20,022	18,978	-1,044	-5.2%
19.8%	19,744	18,939	-805	-4.1%
21.0%	19,653	18,872	-781	-4.0%
22.2%	19,381	18,399	-982	-5.1%
23.5%	18,489	18,173	-316	-1.7%
24.7%	18,167	16,872	-1,295	-7.1%
25.9%	17,263	14,396	-2,868	-16.6%
27.2%	16,833	14,269	-2,564	-15.2%
28.4%	15,196	13,976	-1,220	-8.0%
29.6%	14,882	13,834	-1,048	-7.0%
30.9%	14,287	13,305	-982	-6.9%
32.1%	14,168	13,163	-1,005	-7.1%
33.3%	14,092	12,178	-1,914	-13.6%
34.6%	13,961	12,172	-1,789	-12.8%
35.8%	13,746	11,548	-2,199	-16.0%
37.0%	13,322	10,230	-3,092	-23.2%
38.3%	13,287	10,075	-3,212	-24.2%
39.5%	13,162	9,773	-3,389	-25.8%
40.7%	13,121	9,707	-3,414	-26.0%
42.0%	12,713	9,311	-3,402	-26.8%
43.2%	12,173	9,182	-2,992	-24.6%
44.4%	11,606	9,148	-2,457	-21.2%
45.7%	11,375	9,144	-2,232	-19.6%
46.9%	10,880	9,054	-1,826	-16.8%
48.1%	10,870	8,988	-1,882	-17.3%
49.4%	10,196	8,800	-1,396	-13.7%
50.6%	10,015	8,625	-1,390	-13.9%
51.9%	9,234	8,540	-694	-7.5%
53.1%	9,086	8,422	-664	-7.3%
54.3%	9,055	8,363	-692	-7.6%
55.6%	8,641	8,273	-368	-4.3%
56.8%	8,619	7,974	-646	-7.5%
58.0%	8,493	7,931	-563	-6.6%
59.3%	8,417	7,769	-647	-7.7%
60.5%	8,235	7,735	-500	-6.1%
61.7%	8,023	7,600	-424	-5.3%
63.0%	7,938	7,341	-597	-7.5%
64.2%	7,398	7,226	-172	-2.3%
65.4%	6,730	6,948	218	3.2%
66.7%	6,329	6,607	279	4.4%
67.9%	6,324	6,464	140	2.2%
69.1%	6,297	6,219	-78	-1.2%
70.4%	6,218	6,168	-51	-0.8%
71.6%	6,104	6,156	51	0.8%
72.8%	6,100	6,071	-30	-0.5%
74.1%	5,993	5,899	-93	-1.6%
75.3%	5,853	5,888	35	0.6%
76.5%	5,730	5,848	118	2.1%
77.8%	5,638	5,594	-44	-0.8%
79.0%	5,489	5,549	60	1.1%
80.2%	5,471	5,547	77	1.4%
81.5%	5,265	5,527	262	5.0%
82.7%	4,977	5,483	506	10.2%
84.0%	4,964	5,433	469	9.5%
85.2%	4,839	5,368	528	10.9%
86.4%	4,799	5,356	557	11.6%
87.7%	4,786	5,294	508	10.6%
88.9%	4,772	5,276	504	10.6%
90.1%	4,756	5,211	455	9.6%
91.4%	4,729	4,985	256	5.4%
92.6%	4,701	4,963	262	5.6%
93.8%	4,682	4,922	239	5.1%
95.1%	4,477	4,859	382	8.5%
96.3%	4,406	4,777	371	8.4%
97.5%	4,222	4,694	472	11.2%
98.8%	4,075	4,684	610	15.0%
100.0%	4,038	4,596	558	13.8%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,040	23,954	-86	-0.4%
1.2%	23,910	23,919	9	0.0%
2.5%	23,775	23,798	23	0.1%
3.7%	23,757	23,630	-127	-0.5%
4.9%	23,621	23,599	-22	-0.1%
6.2%	23,102	22,995	-107	-0.5%
7.4%	22,817	22,786	-31	-0.1%
8.6%	22,728	22,660	-68	-0.3%
9.9%	22,359	22,208	-151	-0.7%
11.1%	22,323	22,097	-226	-1.0%
12.3%	22,208	22,085	-124	-0.6%
13.6%	22,100	22,044	-56	-0.3%
14.8%	22,054	21,978	-76	-0.3%
16.0%	21,597	21,547	-49	-0.2%
17.3%	21,523	21,397	-125	-0.6%
18.5%	21,515	21,357	-158	-0.7%
19.8%	21,328	21,327	-1	0.0%
21.0%	21,317	21,078	-239	-1.1%
22.2%	21,217	21,057	-160	-0.8%
23.5%	21,081	20,872	-208	-1.0%
24.7%	21,006	20,854	-152	-0.7%
25.9%	20,993	20,824	-169	-0.8%
27.2%	20,908	20,692	-216	-1.0%
28.4%	20,882	20,609	-273	-1.3%
29.6%	20,773	20,037	-736	-3.5%
30.9%	20,507	19,810	-697	-3.4%
32.1%	20,414	19,493	-921	-4.5%
33.3%	19,775	19,438	-337	-1.7%
34.6%	19,328	18,502	-827	-4.3%
35.8%	19,162	18,388	-774	-4.0%
37.0%	18,784	18,196	-588	-3.1%
38.3%	18,574	17,380	-1,194	-6.4%
39.5%	18,427	16,151	-2,276	-12.4%
40.7%	18,334	15,730	-2,603	-14.2%
42.0%	18,210	15,000	-3,210	-17.6%
43.2%	17,964	14,878	-3,086	-17.2%
44.4%	17,925	14,580	-3,345	-18.7%
45.7%	15,602	14,274	-1,328	-8.5%
46.9%	14,657	11,648	-3,009	-20.5%
48.1%	14,416	10,554	-3,862	-26.8%
49.4%	13,304	9,850	-3,453	-26.0%
50.6%	13,234	9,710	-3,525	-26.6%
51.9%	12,843	9,313	-3,530	-27.5%
53.1%	12,387	9,250	-3,136	-25.3%
54.3%	12,341	9,222	-3,120	-25.3%
55.6%	12,012	8,726	-3,286	-27.4%
56.8%	11,871	8,591	-3,280	-27.6%
58.0%	11,533	8,448	-3,085	-26.7%
59.3%	11,255	8,237	-3,017	-26.8%
60.5%	11,113	8,229	-2,884	-26.0%
61.7%	10,624	8,146	-2,479	-23.3%
63.0%	10,571	8,090	-2,481	-23.5%
64.2%	10,439	8,088	-2,351	-22.5%
65.4%	10,102	7,953	-2,150	-21.3%
66.7%	9,864	7,927	-1,937	-19.6%
67.9%	9,571	7,874	-1,697	-17.7%
69.1%	9,560	7,801	-1,758	-18.4%
70.4%	9,417	7,786	-1,631	-17.3%
71.6%	9,315	7,785	-1,530	-16.4%
72.8%	9,107	7,784	-1,323	-14.5%
74.1%	9,105	7,733	-1,373	-15.1%
75.3%	8,948	7,640	-1,308	-14.6%
76.5%	8,947	7,504	-1,443	-16.1%
77.8%	8,390	7,432	-958	-11.4%
79.0%	8,292	7,379	-912	-11.0%
80.2%	7,818	7,208	-610	-7.8%
81.5%	7,607	7,192	-416	-5.5%
82.7%	7,594	7,145	-449	-5.9%
84.0%	7,494	7,061	-433	-5.8%
85.2%	7,356	7,038	-318	-4.3%
86.4%	7,268	6,828	-440	-6.1%
87.7%	7,046	6,613	-433	-6.1%
88.9%	6,171	6,198	27	0.4%
90.1%	6,137	6,126	-11	-0.2%
91.4%	6,007	6,091	84	1.4%
92.6%	5,997	5,998	1	0.0%
93.8%	5,965	5,963	-2	0.0%
95.1%	5,927	5,912	-14	-0.2%
96.3%	5,655	5,860	205	3.6%
97.5%	5,578	5,540	-38	-0.7%
98.8%	4,608	4,640	32	0.7%
100.0%	4,448	4,487	39	0.9%

Table SW-15-b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,927	24,879	-48	-0.2%
1.2%	24,524	24,510	-14	-0.1%
2.5%	23,973	23,900	-73	-0.3%
3.7%	23,859	23,900	40	0.2%
4.9%	23,743	23,590	-153	-0.6%
6.2%	23,468	23,460	-9	0.0%
7.4%	23,455	23,444	-11	0.0%
8.6%	22,889	22,859	-30	-0.1%
9.9%	22,761	22,718	-43	-0.2%
11.1%	22,722	22,689	-33	-0.1%
12.3%	22,683	22,682	-1	0.0%
13.6%	22,655	22,621	-35	-0.2%
14.8%	22,438	22,282	-156	-0.7%
16.0%	22,141	21,898	-243	-1.1%
17.3%	21,916	21,826	-90	-0.4%
18.5%	21,783	21,668	-114	-0.5%
19.8%	21,757	21,639	-117	-0.5%
21.0%	21,684	21,549	-135	-0.6%
22.2%	21,642	21,504	-138	-0.6%
23.5%	21,525	21,305	-219	-1.0%
24.7%	21,479	21,290	-189	-0.9%
25.9%	21,229	21,054	-175	-0.8%
27.2%	21,157	21,010	-147	-0.7%
28.4%	21,150	21,000	-149	-0.7%
29.6%	21,000	20,979	-21	-0.1%
30.9%	20,967	20,813	-154	-0.7%
32.1%	20,931	20,703	-228	-1.1%
33.3%	20,871	20,650	-221	-1.1%
34.6%	20,704	20,597	-107	-0.5%
35.8%	20,701	20,425	-277	-1.3%
37.0%	20,217	19,375	-842	-4.2%
38.3%	20,032	19,210	-823	-4.1%
39.5%	19,963	18,909	-1,054	-5.3%
40.7%	19,794	18,740	-1,054	-5.3%
42.0%	19,659	18,719	-940	-4.8%
43.2%	19,472	18,644	-828	-4.3%
44.4%	19,013	18,545	-468	-2.5%
45.7%	18,953	18,119	-834	-4.4%
46.9%	18,925	17,941	-985	-5.2%
48.1%	18,543	17,443	-1,101	-5.9%
49.4%	18,353	16,993	-1,360	-7.4%
50.6%	17,895	16,867	-1,028	-5.7%
51.9%	16,987	16,835	-153	-0.9%
53.1%	16,986	14,799	-2,186	-12.9%
54.3%	16,305	13,030	-3,275	-20.1%
55.6%	16,060	12,939	-3,121	-19.4%
56.8%	15,538	12,678	-2,860	-18.4%
58.0%	14,956	12,373	-2,583	-17.3%
59.3%	14,104	11,686	-2,418	-17.1%
60.5%	13,863	11,507	-2,356	-17.0%
61.7%	13,560	11,162	-2,397	-17.7%
63.0%	13,490	10,883	-2,607	-19.3%
64.2%	13,348	10,212	-3,136	-23.5%
65.4%	12,674	10,126	-2,547	-20.1%
66.7%	12,255	9,513	-2,743	-22.4%
67.9%	12,213	9,343	-2,870	-23.5%
69.1%	11,751	9,140	-2,611	-22.2%
70.4%	11,719	9,126	-2,592	-22.1%
71.6%	11,206	9,020	-2,186	-19.5%
72.8%	10,735	8,875	-1,860	-17.3%
74.1%	10,603	8,593	-2,009	-19.0%
75.3%	10,142	8,350	-1,792	-17.7%
76.5%	9,866	8,103	-1,763	-17.9%
77.8%	9,255	8,066	-1,189	-12.8%
79.0%	8,646	7,655	-991	-11.5%
80.2%	8,566	7,396	-1,170	-13.7%
81.5%	8,256	7,070	-1,185	-14.4%
82.7%	8,145	6,738	-1,407	-17.3%
84.0%	7,773	6,220	-1,553	-20.0%
85.2%	7,277	6,076	-1,201	-16.5%
86.4%	7,275	6,062	-1,213	-16.7%
87.7%	7,172	6,034	-1,138	-15.9%
88.9%	6,847	6,018	-829	-12.1%
90.1%	6,811	5,816	-995	-14.6%
91.4%	6,769	5,777	-993	-14.7%
92.6%	6,717	5,625	-1,092	-16.3%
93.8%	6,246	5,582	-664	-10.6%
95.1%	5,929	5,487	-442	-7.5%
96.3%	5,183	5,411	228	4.4%
97.5%	4,901	5,340	438	8.9%
98.8%	4,730	5,000	270	5.7%
100.0%	4,289	4,827	539	12.6%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,461	24,473	12	0.0%
1.2%	23,995	23,943	-53	-0.2%
2.5%	23,539	23,294	-245	-1.0%
3.7%	22,501	22,511	9	0.0%
4.9%	22,084	21,947	-137	-0.6%
6.2%	22,036	21,723	-313	-1.4%
7.4%	21,771	21,534	-237	-1.1%
8.6%	21,745	21,444	-301	-1.4%
9.9%	21,623	21,443	-180	-0.8%
11.1%	21,444	21,401	-42	-0.2%
12.3%	21,347	21,156	-191	-0.9%
13.6%	21,162	21,140	-22	-0.1%
14.8%	21,124	21,046	-78	-0.4%
16.0%	21,109	20,880	-229	-1.1%
17.3%	20,879	20,735	-143	-0.7%
18.5%	20,782	20,462	-320	-1.5%
19.8%	20,737	20,449	-287	-1.4%
21.0%	20,452	20,349	-103	-0.5%
22.2%	20,212	20,206	-6	0.0%
23.5%	20,038	19,755	-282	-1.4%
24.7%	19,769	18,962	-807	-4.1%
25.9%	19,762	18,919	-843	-4.3%
27.2%	19,732	18,602	-1,130	-5.7%
28.4%	19,451	18,320	-1,131	-5.8%
29.6%	18,756	18,195	-561	-3.0%
30.9%	18,337	17,896	-441	-2.4%
32.1%	18,270	16,173	-2,097	-11.5%
33.3%	18,240	15,657	-2,582	-14.2%
34.6%	18,165	15,376	-2,790	-15.4%
35.8%	18,160	15,012	-3,148	-17.3%
37.0%	18,140	15,000	-3,140	-17.3%
38.3%	17,967	14,883	-3,084	-17.2%
39.5%	17,808	14,763	-3,045	-17.1%
40.7%	17,190	14,552	-2,638	-15.3%
42.0%	16,314	14,448	-1,866	-11.4%
43.2%	16,001	14,098	-1,903	-11.9%
44.4%	15,827	13,987	-1,841	-11.6%
45.7%	15,536	13,560	-1,976	-12.7%
46.9%	15,147	13,423	-1,724	-11.4%
48.1%	15,001	13,018	-1,983	-13.2%
49.4%	14,957	12,715	-2,242	-15.0%
50.6%	14,933	11,977	-2,956	-19.8%
51.9%	14,895	11,468	-3,427	-23.0%
53.1%	14,550	10,986	-3,564	-24.5%
54.3%	13,701	10,840	-2,861	-20.9%
55.6%	13,141	10,388	-2,753	-21.0%
56.8%	12,751	10,263	-2,488	-19.5%
58.0%	12,084	10,095	-1,989	-16.5%
59.3%	12,065	10,015	-2,051	-17.0%
60.5%	11,637	9,944	-1,693	-14.6%
61.7%	11,223	9,516	-1,706	-15.2%
63.0%	10,992	9,431	-1,561	-14.2%
64.2%	10,784	9,238	-1,546	-14.3%
65.4%	10,581	9,060	-1,521	-14.4%
66.7%	10,384	9,011	-1,372	-13.2%
67.9%	9,981	8,913	-1,068	-10.7%
69.1%	9,883	8,662	-1,221	-12.4%
70.4%	9,856	8,655	-1,201	-12.2%
71.6%	9,541	8,611	-930	-9.8%
72.8%	9,312	8,067	-1,245	-13.4%
74.1%	9,255	8,050	-1,205	-13.0%
75.3%	9,103	8,010	-1,093	-12.0%
76.5%	9,099	7,958	-1,141	-12.5%
77.8%	8,744	7,953	-791	-9.0%
79.0%	8,538	7,869	-669	-7.8%
80.2%	8,478	7,576	-901	-10.6%
81.5%	8,451	7,480	-971	-11.5%
82.7%	8,409	7,361	-1,048	-12.5%
84.0%	8,174	7,191	-983	-12.0%
85.2%	8,156	7,020	-1,135	-13.9%
86.4%	8,130	6,866	-1,264	-15.6%
87.7%	7,957	6,726	-1,231	-15.5%
88.9%	7,331	6,598	-732	-10.0%
90.1%	6,659	6,333	-325	-4.9%
91.4%	6,553	6,329	-224	-3.4%
92.6%	6,458	6,088	-370	-5.7%
93.8%	5,976	6,053	77	1.3%
95.1%	5,677	6,012	335	5.9%
96.3%	5,552	5,739	186	3.4%
97.5%	5,507	5,674	167	3.0%
98.8%	5,400	5,615	215	4.0%
100.0%	5,367	5,000	-367	-6.8%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,498	21,318	-180	-0.8%
1.2%	20,979	20,977	-2	0.0%
2.5%	20,806	20,821	14	0.1%
3.7%	20,725	20,655	-70	-0.3%
4.9%	19,454	19,444	-10	-0.1%
6.2%	19,255	19,168	-87	-0.5%
7.4%	18,771	18,777	6	0.0%
8.6%	18,560	18,395	-165	-0.9%
9.9%	17,715	16,976	-740	-4.2%
11.1%	16,696	15,000	-1,696	-10.2%
12.3%	15,953	14,884	-1,068	-6.7%
13.6%	15,508	13,129	-2,379	-15.3%
14.8%	15,005	12,658	-2,348	-15.6%
16.0%	15,000	11,918	-3,082	-20.5%
17.3%	14,860	11,515	-3,345	-22.5%
18.5%	13,756	11,401	-2,355	-17.1%
19.8%	13,165	11,183	-1,983	-15.1%
21.0%	11,534	10,301	-1,233	-10.7%
22.2%	11,352	10,210	-1,142	-10.1%
23.5%	11,250	10,018	-1,232	-11.0%
24.7%	10,287	9,087	-1,201	-11.7%
25.9%	9,426	8,739	-687	-7.3%
27.2%	9,264	8,716	-549	-5.9%
28.4%	8,581	8,257	-324	-3.8%
29.6%	8,189	8,028	-161	-2.0%
30.9%	8,028	7,931	-96	-1.2%
32.1%	7,500	7,701	202	2.7%
33.3%	7,277	7,555	278	3.8%
34.6%	6,955	7,500	545	7.8%
35.8%	6,946	7,464	517	7.4%
37.0%	6,904	7,339	435	6.3%
38.3%	6,643	7,043	400	6.0%
39.5%	6,437	6,905	468	7.3%
40.7%	6,269	6,481	212	3.4%
42.0%	5,720	6,312	592	10.4%
43.2%	5,662	5,855	193	3.4%
44.4%	5,586	5,789	203	3.6%
45.7%	5,572	5,615	42	0.8%
46.9%	5,566	5,454	-112	-2.0%
48.1%	5,559	5,383	-176	-3.2%
49.4%	5,433	5,352	-81	-1.5%
50.6%	5,383	5,203	-180	-3.3%
51.9%	5,343	5,007	-336	-6.3%
53.1%	5,314	5,000	-314	-5.9%
54.3%	5,271	5,000	-271	-5.1%
55.6%	5,150	5,000	-150	-2.9%
56.8%	5,030	5,000	-30	-0.6%
58.0%	4,908	5,000	92	1.9%
59.3%	4,840	5,000	160	3.3%
60.5%	4,689	5,000	311	6.6%
61.7%	4,610	5,000	390	8.5%
63.0%	4,575	4,938	363	7.9%
64.2%	4,539	4,864	325	7.2%
65.4%	4,532	4,850	318	7.0%
66.7%	4,499	4,812	313	7.0%
67.9%	4,457	4,705	248	5.6%
69.1%	4,447	4,507	61	1.4%
70.4%	4,368	4,457	89	2.0%
71.6%	4,359	4,442	84	1.9%
72.8%	4,276	4,261	-15	-0.4%
74.1%	4,232	4,213	-19	-0.4%
75.3%	4,146	4,185	39	0.9%
76.5%	4,123	4,159	36	0.9%
77.8%	4,109	4,078	-31	-0.8%
79.0%	4,101	3,948	-153	-3.7%
80.2%	4,078	3,945	-133	-3.3%
81.5%	4,045	3,941	-103	-2.6%
82.7%	3,982	3,871	-111	-2.8%
84.0%	3,879	3,848	-31	-0.8%
85.2%	3,695	3,748	52	1.4%
86.4%	3,646	3,736	90	2.5%
87.7%	3,633	3,702	69	1.9%
88.9%	3,617	3,642	25	0.7%
90.1%	3,608	3,556	-52	-1.5%
91.4%	3,582	3,492	-91	-2.5%
92.6%	3,581	3,487	-93	-2.6%
93.8%	3,542	3,459	-83	-2.4%
95.1%	3,470	3,398	-72	-2.1%
96.3%	3,462	3,395	-67	-1.9%
97.5%	3,394	3,329	-65	-1.9%
98.8%	3,336	3,307	-29	-0.9%
100.0%	3,335	3,297	-38	-1.1%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,592	17,175	-417	-2.4%
1.2%	17,144	15,000	-2,144	-12.5%
2.5%	13,375	13,418	43	0.3%
3.7%	11,563	10,334	-1,230	-10.6%
4.9%	10,470	10,211	-259	-2.5%
6.2%	9,769	9,343	-426	-4.4%
7.4%	9,279	9,258	-22	-0.2%
8.6%	9,100	9,225	125	1.4%
9.9%	9,058	8,017	-1,041	-11.5%
11.1%	8,044	7,999	-44	-0.6%
12.3%	7,873	7,634	-239	-3.0%
13.6%	7,560	7,563	3	0.0%
14.8%	7,362	7,550	188	2.6%
16.0%	6,989	7,493	504	7.2%
17.3%	6,781	6,826	45	0.7%
18.5%	6,689	6,695	6	0.1%
19.8%	6,516	6,670	153	2.4%
21.0%	6,493	6,582	89	1.4%
22.2%	6,389	6,543	154	2.4%
23.5%	6,346	6,435	89	1.4%
24.7%	6,235	6,421	186	3.0%
25.9%	6,223	6,393	170	2.7%
27.2%	5,863	6,392	530	9.0%
28.4%	5,853	6,313	460	7.9%
29.6%	5,839	6,262	423	7.2%
30.9%	5,780	6,085	304	5.3%
32.1%	5,710	6,016	306	5.4%
33.3%	5,598	5,927	328	5.9%
34.6%	5,575	5,873	298	5.3%
35.8%	5,540	5,868	328	5.9%
37.0%	5,458	5,867	409	7.5%
38.3%	5,454	5,858	404	7.4%
39.5%	5,451	5,841	390	7.1%
40.7%	5,448	5,233	-215	-3.9%
42.0%	5,413	5,204	-209	-3.9%
43.2%	5,369	5,005	-364	-6.8%
44.4%	5,292	5,000	-292	-5.5%
45.7%	5,265	4,955	-309	-5.9%
46.9%	5,073	4,953	-120	-2.4%
48.1%	4,998	4,948	-51	-1.0%
49.4%	4,978	4,947	-31	-0.6%
50.6%	4,932	4,797	-135	-2.7%
51.9%	4,931	4,772	-159	-3.2%
53.1%	4,909	4,698	-211	-4.3%
54.3%	4,881	4,693	-188	-3.8%
55.6%	4,879	4,673	-206	-4.2%
56.8%	4,826	4,600	-226	-4.7%
58.0%	4,762	4,583	-179	-3.8%
59.3%	4,750	4,538	-212	-4.5%
60.5%	4,698	4,371	-328	-7.0%
61.7%	4,608	4,366	-242	-5.2%
63.0%	4,538	4,280	-258	-5.7%
64.2%	4,526	4,244	-282	-6.2%
65.4%	4,456	4,229	-227	-5.1%
66.7%	4,453	4,217	-236	-5.3%
67.9%	4,441	4,192	-249	-5.6%
69.1%	4,419	4,159	-260	-5.9%
70.4%	4,362	4,143	-219	-5.0%
71.6%	4,299	4,142	-157	-3.7%
72.8%	4,254	4,138	-117	-2.7%
74.1%	4,233	4,099	-134	-3.2%
75.3%	4,196	4,080	-116	-2.8%
76.5%	4,165	4,079	-86	-2.1%
77.8%	4,130	4,073	-56	-1.4%
79.0%	4,101	4,053	-49	-1.2%
80.2%	3,901	4,035	134	3.4%
81.5%	3,896	3,910	14	0.4%
82.7%	3,895	3,887	-8	-0.2%
84.0%	3,847	3,784	-63	-1.6%
85.2%	3,778	3,663	-115	-3.1%
86.4%	3,725	3,632	-93	-2.5%
87.7%	3,686	3,624	-62	-1.7%
88.9%	3,671	3,597	-74	-2.0%
90.1%	3,667	3,588	-79	-2.2%
91.4%	3,667	3,565	-102	-2.8%
92.6%	3,629	3,563	-66	-1.8%
93.8%	3,542	3,494	-48	-1.4%
95.1%	3,460	3,473	13	0.4%
96.3%	3,377	3,366	-11	-0.3%
97.5%	3,354	3,333	-21	-0.6%
98.8%	3,333	3,298	-34	-1.0%
100.0%	3,319	3,271	-49	-1.5%

Table SW-15-b

Sacramento River at Wilken Slough, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,000	15,000	0	0.0%
1.2%	9,640	10,968	1,328	13.8%
2.5%	9,425	10,800	1,376	14.6%
3.7%	9,225	10,697	1,471	15.9%
4.9%	9,123	10,693	1,570	17.2%
6.2%	8,857	10,251	1,394	15.7%
7.4%	8,737	9,634	897	10.3%
8.6%	8,630	9,617	987	11.4%
9.9%	8,444	9,572	1,128	13.4%
11.1%	8,310	9,551	1,241	14.9%
12.3%	8,264	9,353	1,090	13.2%
13.6%	8,184	8,976	791	9.7%
14.8%	8,035	8,933	899	11.2%
16.0%	8,019	8,861	842	10.5%
17.3%	7,915	8,760	845	10.7%
18.5%	7,908	8,732	824	10.4%
19.8%	7,759	8,590	831	10.7%
21.0%	7,678	8,541	863	11.2%
22.2%	7,636	8,520	884	11.6%
23.5%	7,566	8,465	898	11.9%
24.7%	7,553	8,153	600	7.9%
25.9%	7,518	8,111	593	7.9%
27.2%	7,456	8,096	640	8.6%
28.4%	7,383	8,032	649	8.8%
29.6%	7,223	8,010	787	10.9%
30.9%	7,201	7,967	766	10.6%
32.1%	7,168	7,931	763	10.6%
33.3%	7,066	7,901	835	11.8%
34.6%	7,024	7,879	855	12.2%
35.8%	6,949	7,739	789	11.4%
37.0%	6,882	7,696	814	11.8%
38.3%	6,843	7,665	822	12.0%
39.5%	6,777	7,630	854	12.6%
40.7%	6,684	7,415	731	10.9%
42.0%	6,657	7,366	709	10.6%
43.2%	6,589	7,322	733	11.1%
44.4%	6,518	7,268	750	11.5%
45.7%	6,472	7,231	758	11.7%
46.9%	6,424	7,167	743	11.6%
48.1%	6,292	7,102	810	12.9%
49.4%	6,220	7,080	861	13.8%
50.6%	6,085	7,063	978	16.1%
51.9%	5,930	7,009	1,079	18.2%
53.1%	5,923	7,002	1,079	18.2%
54.3%	5,909	6,719	810	13.7%
55.6%	5,860	6,706	846	14.4%
56.8%	5,857	6,642	785	13.4%
58.0%	5,809	6,594	784	13.5%
59.3%	5,720	6,575	855	14.9%
60.5%	5,710	6,565	854	15.0%
61.7%	5,581	6,501	920	16.5%
63.0%	5,534	6,401	867	15.7%
64.2%	5,506	6,383	877	15.9%
65.4%	5,490	6,259	769	14.0%
66.7%	5,487	6,188	701	12.8%
67.9%	5,457	6,185	728	13.3%
69.1%	5,409	6,122	713	13.2%
70.4%	5,391	5,953	562	10.4%
71.6%	5,342	5,887	545	10.2%
72.8%	5,340	5,850	510	9.5%
74.1%	5,337	5,848	511	9.6%
75.3%	5,307	5,655	348	6.6%
76.5%	5,296	5,641	345	6.5%
77.8%	5,273	5,479	206	3.9%
79.0%	5,129	5,247	119	2.3%
80.2%	5,122	5,244	121	2.4%
81.5%	5,077	5,158	81	1.6%
82.7%	5,027	5,145	118	2.4%
84.0%	4,925	5,007	83	1.7%
85.2%	4,624	5,000	376	8.1%
86.4%	4,554	5,000	446	9.8%
87.7%	4,516	5,000	484	10.7%
88.9%	4,502	5,000	498	11.1%
90.1%	4,247	5,000	753	17.7%
91.4%	4,204	5,000	796	18.9%
92.6%	4,145	5,000	855	20.6%
93.8%	4,091	4,992	901	22.0%
95.1%	3,966	4,563	597	15.1%
96.3%	3,862	4,334	473	12.2%
97.5%	3,691	4,246	555	15.0%
98.8%	3,606	4,194	588	16.3%
100.0%	3,567	4,088	521	14.6%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,770	15,000	5,230	53.5%
1.2%	9,746	15,000	5,254	53.9%
2.5%	9,655	15,000	5,345	55.4%
3.7%	9,126	15,000	5,874	64.4%
4.9%	9,087	15,000	5,913	65.1%
6.2%	9,021	15,000	5,979	66.3%
7.4%	9,005	15,000	5,995	66.6%
8.6%	8,891	15,000	6,109	68.7%
9.9%	8,847	11,587	2,740	31.0%
11.1%	8,783	11,439	2,656	30.2%
12.3%	8,633	11,428	2,795	32.4%
13.6%	8,632	11,331	2,699	31.3%
14.8%	8,626	11,121	2,495	28.9%
16.0%	8,605	11,091	2,486	28.9%
17.3%	8,571	11,010	2,439	28.5%
18.5%	8,564	10,770	2,206	25.8%
19.8%	8,559	10,666	2,107	24.6%
21.0%	8,541	10,582	2,040	23.9%
22.2%	8,519	10,305	1,786	21.0%
23.5%	8,518	10,235	1,717	20.2%
24.7%	8,518	10,230	1,713	20.1%
25.9%	8,513	10,223	1,710	20.1%
27.2%	8,489	10,218	1,729	20.4%
28.4%	8,468	10,207	1,739	20.5%
29.6%	8,442	10,188	1,746	20.7%
30.9%	8,425	10,032	1,607	19.1%
32.1%	8,409	9,952	1,543	18.4%
33.3%	8,403	9,932	1,529	18.2%
34.6%	8,373	9,927	1,554	18.6%
35.8%	8,362	9,885	1,523	18.2%
37.0%	8,335	9,792	1,457	17.5%
38.3%	8,331	9,727	1,396	16.8%
39.5%	8,302	9,666	1,364	16.4%
40.7%	8,296	9,649	1,353	16.3%
42.0%	8,294	9,542	1,248	15.0%
43.2%	8,265	9,534	1,269	15.4%
44.4%	8,247	9,161	914	11.1%
45.7%	8,243	9,121	879	10.7%
46.9%	8,232	9,073	841	10.2%
48.1%	8,162	9,060	898	11.0%
49.4%	8,162	9,053	891	10.9%
50.6%	8,155	9,039	884	10.8%
51.9%	8,154	9,016	862	10.6%
53.1%	8,151	8,967	816	10.0%
54.3%	8,135	8,835	701	8.6%
55.6%	8,126	8,820	694	8.5%
56.8%	8,083	8,781	698	8.6%
58.0%	8,081	8,711	629	7.8%
59.3%	7,987	8,664	677	8.5%
60.5%	7,919	8,626	707	8.9%
61.7%	7,769	8,516	747	9.6%
63.0%	7,715	8,415	700	9.1%
64.2%	7,705	8,321	616	8.0%
65.4%	7,545	8,314	769	10.2%
66.7%	7,449	8,169	720	9.7%
67.9%	7,434	8,161	727	9.8%
69.1%	7,319	7,904	584	8.0%
70.4%	7,160	7,789	629	8.8%
71.6%	7,107	7,717	610	8.6%
72.8%	6,883	7,462	579	8.4%
74.1%	6,850	7,389	539	7.9%
75.3%	6,846	7,346	500	7.3%
76.5%	6,702	7,180	478	7.1%
77.8%	6,678	7,082	404	6.1%
79.0%	6,580	7,080	500	7.6%
80.2%	6,577	7,053	477	7.2%
81.5%	6,490	7,030	540	8.3%
82.7%	6,286	6,943	658	10.5%
84.0%	5,951	6,794	844	14.2%
85.2%	5,870	6,762	891	15.2%
86.4%	5,825	6,632	807	13.9%
87.7%	5,723	6,516	793	13.9%
88.9%	5,661	6,504	842	14.9%
90.1%	5,482	6,498	1,016	18.5%
91.4%	5,470	6,488	1,018	18.6%
92.6%	5,162	5,633	471	9.1%
93.8%	4,897	5,555	658	13.4%
95.1%	4,815	5,450	636	13.2%
96.3%	4,068	5,344	1,276	31.4%
97.5%	3,308	5,181	1,874	56.6%
98.8%	3,283	5,000	1,717	52.3%
100.0%	3,265	5,000	1,735	53.1%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,875	9,821	946	10.7%
1.2%	8,858	8,402	-456	-5.2%
2.5%	8,432	8,227	-205	-2.4%
3.7%	8,022	8,128	107	1.3%
4.9%	7,723	8,074	351	4.5%
6.2%	7,357	7,726	369	5.0%
7.4%	7,324	7,407	82	1.1%
8.6%	7,203	7,346	143	2.0%
9.9%	6,998	7,313	316	4.5%
11.1%	6,853	7,229	376	5.5%
12.3%	6,816	7,138	322	4.7%
13.6%	6,696	7,044	348	5.2%
14.8%	6,600	7,006	406	6.2%
16.0%	6,590	6,896	307	4.7%
17.3%	6,543	6,703	160	2.5%
18.5%	6,530	6,691	161	2.5%
19.8%	6,490	6,665	176	2.7%
21.0%	6,394	6,659	266	4.2%
22.2%	6,276	6,641	365	5.8%
23.5%	6,188	6,629	441	7.1%
24.7%	6,094	6,498	404	6.6%
25.9%	6,067	6,460	394	6.5%
27.2%	6,029	6,458	429	7.1%
28.4%	6,017	6,417	400	6.7%
29.6%	5,914	6,372	458	7.7%
30.9%	5,912	6,349	437	7.4%
32.1%	5,762	6,330	568	9.9%
33.3%	5,747	6,271	524	9.1%
34.6%	5,630	6,212	582	10.3%
35.8%	5,579	6,174	595	10.7%
37.0%	5,550	6,145	596	10.7%
38.3%	5,530	6,132	603	10.9%
39.5%	5,341	6,088	747	14.0%
40.7%	5,250	5,969	718	13.7%
42.0%	5,143	5,941	798	15.5%
43.2%	5,070	5,879	809	16.0%
44.4%	5,044	5,831	786	15.6%
45.7%	5,025	5,769	744	14.8%
46.9%	5,021	5,680	659	13.1%
48.1%	4,937	5,676	740	15.0%
49.4%	4,811	5,658	848	17.6%
50.6%	4,778	5,587	809	16.9%
51.9%	4,665	5,561	895	19.2%
53.1%	4,622	5,492	870	18.8%
54.3%	4,565	5,485	920	20.2%
55.6%	4,543	5,421	878	19.3%
56.8%	4,529	5,381	852	18.8%
58.0%	4,524	5,354	829	18.3%
59.3%	4,381	5,347	966	22.1%
60.5%	4,353	5,343	991	22.8%
61.7%	4,308	5,300	992	23.0%
63.0%	4,294	5,218	924	21.5%
64.2%	4,250	5,195	944	22.2%
65.4%	4,220	5,162	942	22.3%
66.7%	4,216	5,153	937	22.2%
67.9%	4,186	5,144	957	22.9%
69.1%	4,105	5,137	1,032	25.1%
70.4%	4,102	5,133	1,031	25.1%
71.6%	4,087	5,120	1,033	25.3%
72.8%	4,061	5,112	1,051	25.9%
74.1%	4,060	5,108	1,049	25.8%
75.3%	4,055	5,068	1,013	25.0%
76.5%	4,033	5,054	1,021	25.3%
77.8%	4,030	5,039	1,009	25.0%
79.0%	4,029	5,009	980	24.3%
80.2%	4,029	5,000	971	24.1%
81.5%	4,028	5,000	972	24.1%
82.7%	4,019	5,000	981	24.4%
84.0%	4,016	5,000	984	24.5%
85.2%	4,013	5,000	987	24.6%
86.4%	4,012	5,000	988	24.6%
87.7%	4,011	5,000	989	24.6%
88.9%	4,010	5,000	990	24.7%
90.1%	4,010	5,000	990	24.7%
91.4%	3,826	4,942	1,117	29.2%
92.6%	3,779	4,875	1,096	29.0%
93.8%	3,554	4,787	1,234	34.7%
95.1%	3,508	4,631	1,124	32.0%
96.3%	3,464	4,616	1,151	33.2%
97.5%	3,400	4,573	1,173	34.5%
98.8%	3,267	4,013	746	22.8%
100.0%	3,259	3,628	369	11.3%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	15,210	16,787	1,577	10.4%
1.2%	15,061	16,781	1,720	11.4%
2.5%	15,000	15,185	185	1.2%
3.7%	15,000	15,042	42	0.3%
4.9%	15,000	15,029	29	0.2%
6.2%	15,000	15,000	0	0.0%
7.4%	15,000	15,000	0	0.0%
8.6%	15,000	15,000	0	0.0%
9.9%	15,000	15,000	0	0.0%
11.1%	15,000	15,000	0	0.0%
12.3%	14,824	15,000	176	1.2%
13.6%	14,771	15,000	229	1.5%
14.8%	14,604	15,000	396	2.7%
16.0%	14,432	15,000	568	3.9%
17.3%	14,312	15,000	688	4.8%
18.5%	14,308	15,000	692	4.8%
19.8%	14,082	15,000	918	6.5%
21.0%	13,524	15,000	1,476	10.9%
22.2%	13,128	14,824	1,696	12.9%
23.5%	13,053	14,771	1,718	13.2%
24.7%	12,986	14,309	1,323	10.2%
25.9%	12,973	12,669	-305	-2.3%
27.2%	12,915	12,614	-301	-2.3%
28.4%	12,557	12,408	-150	-1.2%
29.6%	12,366	12,404	39	0.3%
30.9%	11,956	12,294	338	2.8%
32.1%	11,321	10,868	-453	-4.0%
33.3%	11,264	10,504	-759	-6.7%
34.6%	10,875	9,513	-1,362	-12.5%
35.8%	10,701	9,324	-1,377	-12.9%
37.0%	10,020	9,287	-733	-7.3%
38.3%	8,957	8,611	-346	-3.9%
39.5%	8,464	8,252	-212	-2.5%
40.7%	8,054	8,115	61	0.8%
42.0%	7,873	7,934	61	0.8%
43.2%	7,030	7,864	834	11.9%
44.4%	6,963	7,791	829	11.9%
45.7%	6,611	7,456	845	12.8%
46.9%	6,535	7,414	879	13.5%
48.1%	6,030	7,328	1,298	21.5%
49.4%	5,716	7,249	1,533	26.8%
50.6%	5,680	7,239	1,559	27.4%
51.9%	5,549	7,158	1,609	29.0%
53.1%	5,443	7,014	1,571	28.9%
54.3%	5,169	6,947	1,778	34.4%
55.6%	5,146	6,776	1,629	31.7%
56.8%	4,842	6,738	1,896	39.2%
58.0%	4,762	6,600	1,838	38.6%
59.3%	4,633	6,523	1,889	40.8%
60.5%	4,621	6,460	1,839	39.8%
61.7%	4,556	6,451	1,895	41.6%
63.0%	4,389	6,377	1,989	45.3%
64.2%	4,357	6,345	1,988	45.6%
65.4%	4,334	6,259	1,925	44.4%
66.7%	4,285	6,238	1,952	45.6%
67.9%	4,249	6,233	1,984	46.7%
69.1%	4,220	6,176	1,956	46.4%
70.4%	4,215	6,166	1,951	46.3%
71.6%	4,177	6,146	1,969	47.2%
72.8%	4,135	6,146	2,011	48.6%
74.1%	4,115	6,137	2,021	49.1%
75.3%	4,093	6,080	1,987	48.6%
76.5%	4,066	6,070	2,004	49.3%
77.8%	4,029	6,066	2,038	50.6%
79.0%	4,007	5,899	1,891	47.2%
80.2%	4,002	5,880	1,878	46.9%
81.5%	3,980	5,808	1,828	45.9%
82.7%	3,855	5,677	1,822	47.3%
84.0%	3,851	5,610	1,758	45.7%
85.2%	3,755	5,553	1,798	47.9%
86.4%	3,745	5,524	1,779	47.5%
87.7%	3,643	5,499	1,857	51.0%
88.9%	3,539	5,431	1,891	53.4%
90.1%	3,520	5,385	1,865	53.0%
91.4%	3,519	5,054	1,535	43.6%
92.6%	3,455	5,000	1,545	44.7%
93.8%	3,438	5,000	1,562	45.4%
95.1%	3,434	5,000	1,566	45.6%
96.3%	3,412	5,000	1,588	46.5%
97.5%	3,320	4,863	1,542	46.4%
98.8%	3,311	4,246	935	28.3%
100.0%	3,254	3,725	471	14.5%

Figure SW-16-b
Sacramento River at Verona, Monthly Flow
Probability of Exceedance

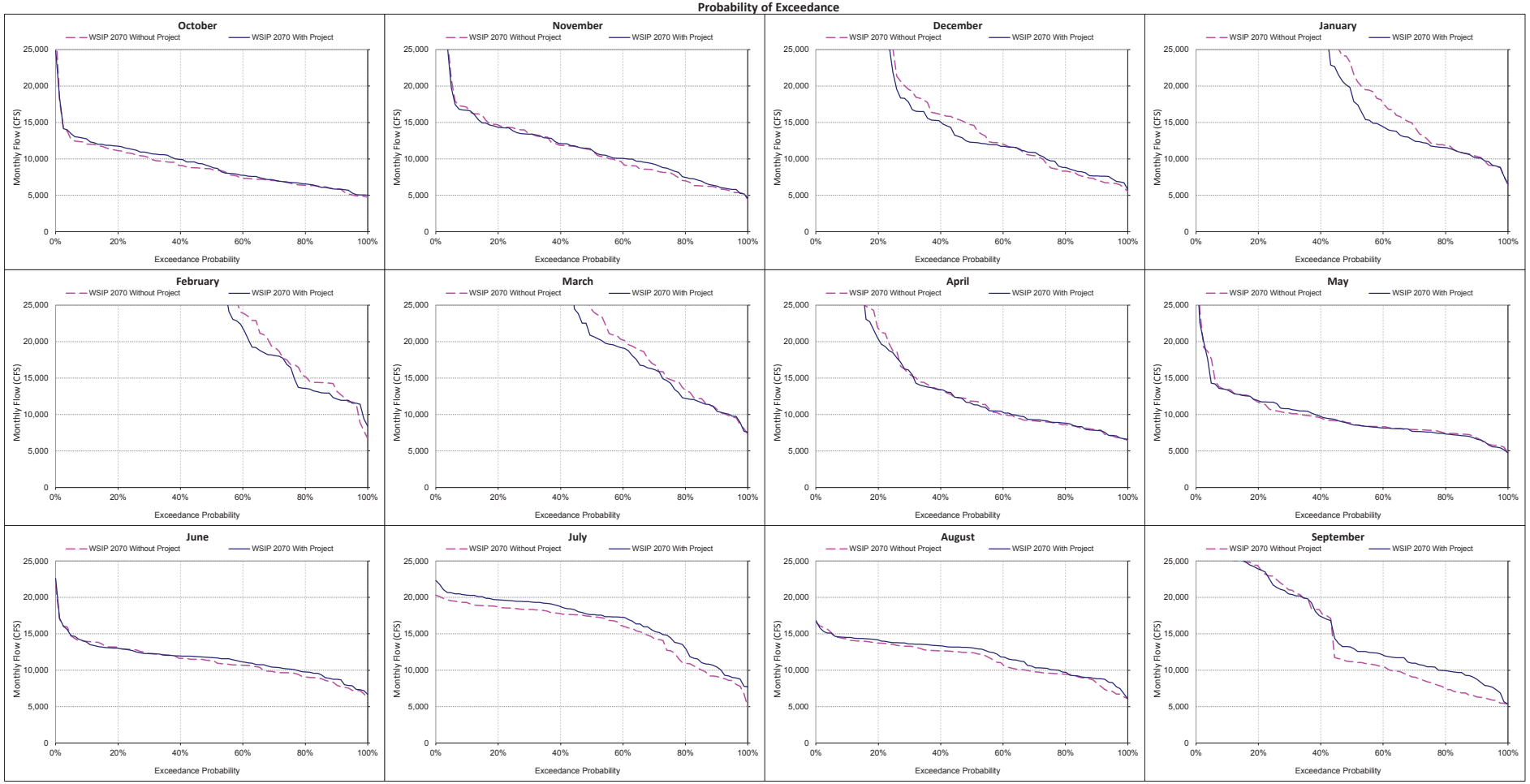


Table SW-16-b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	28,525	24,872	-3,653	-12.8%
1.2%	18,181	18,406	224	1.2%
2.5%	14,161	14,141	-20	-0.1%
3.7%	13,830	14,001	171	1.2%
4.9%	12,661	13,464	802	6.3%
6.2%	12,449	13,055	606	4.9%
7.4%	12,386	12,964	578	4.7%
8.6%	12,331	12,852	521	4.2%
9.9%	12,033	12,755	721	6.0%
11.1%	12,017	12,326	310	2.6%
12.3%	11,996	12,210	214	1.8%
13.6%	11,771	12,005	234	2.0%
14.8%	11,733	11,998	264	2.3%
16.0%	11,520	11,871	351	3.0%
17.3%	11,344	11,854	510	4.5%
18.5%	11,255	11,794	540	4.8%
19.8%	11,142	11,769	627	5.6%
21.0%	11,083	11,672	589	5.3%
22.2%	10,828	11,519	691	6.4%
23.5%	10,811	11,383	572	5.3%
24.7%	10,718	11,309	590	5.5%
25.9%	10,498	11,184	687	6.5%
27.2%	10,423	10,950	528	5.1%
28.4%	10,380	10,927	547	5.3%
29.6%	10,212	10,840	628	6.1%
30.9%	9,895	10,701	807	8.2%
32.1%	9,754	10,636	882	9.0%
33.3%	9,715	10,586	871	9.0%
34.6%	9,672	10,580	908	9.4%
35.8%	9,571	10,523	952	10.0%
37.0%	9,529	10,215	686	7.2%
38.3%	9,527	10,018	490	5.1%
39.5%	9,096	9,931	835	9.2%
40.7%	9,077	9,888	811	8.9%
42.0%	8,882	9,574	692	7.8%
43.2%	8,805	9,569	763	8.7%
44.4%	8,774	9,568	795	9.1%
45.7%	8,766	9,355	588	6.7%
46.9%	8,676	9,325	649	7.5%
48.1%	8,665	9,154	489	5.6%
49.4%	8,648	8,959	311	3.6%
50.6%	8,482	8,745	263	3.1%
51.9%	8,452	8,681	229	2.7%
53.1%	8,379	8,233	-146	-1.7%
54.3%	8,205	8,041	-164	-2.0%
55.6%	7,796	8,007	211	2.7%
56.8%	7,749	7,965	216	2.8%
58.0%	7,647	7,897	250	3.3%
59.3%	7,354	7,769	415	5.6%
60.5%	7,322	7,722	400	5.5%
61.7%	7,318	7,623	305	4.2%
63.0%	7,248	7,577	329	4.5%
64.2%	7,199	7,565	366	5.1%
65.4%	7,188	7,395	207	2.9%
66.7%	7,157	7,303	146	2.0%
67.9%	7,082	7,152	70	1.0%
69.1%	7,036	7,139	102	1.5%
70.4%	7,008	7,049	42	0.6%
71.6%	6,905	6,955	50	0.7%
72.8%	6,887	6,880	-7	-0.1%
74.1%	6,858	6,773	-85	-1.2%
75.3%	6,632	6,758	126	1.9%
76.5%	6,491	6,715	225	3.5%
77.8%	6,425	6,682	257	4.0%
79.0%	6,386	6,582	196	3.1%
80.2%	6,358	6,547	190	3.0%
81.5%	6,339	6,470	131	2.1%
82.7%	6,326	6,392	66	1.0%
84.0%	6,266	6,227	-39	-0.6%
85.2%	6,174	6,096	-78	-1.3%
86.4%	6,159	6,081	-77	-1.3%
87.7%	6,003	5,968	-35	-0.6%
88.9%	5,902	5,862	-40	-0.7%
90.1%	5,898	5,821	-76	-1.3%
91.4%	5,816	5,816	0	0.0%
92.6%	5,417	5,768	351	6.5%
93.8%	5,148	5,682	534	10.4%
95.1%	5,042	5,294	251	5.0%
96.3%	4,914	5,071	156	3.2%
97.5%	4,892	5,065	173	3.5%
98.8%	4,855	5,044	189	3.9%
100.0%	4,720	5,000	280	5.9%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	35,359	33,227	-2,132	-6.0%
1.2%	32,901	29,783	-3,117	-9.5%
2.5%	29,305	26,972	-2,334	-8.0%
3.7%	26,570	25,607	-963	-3.6%
4.9%	21,023	19,829	-1,194	-5.7%
6.2%	17,932	17,458	-474	-2.6%
7.4%	17,300	16,815	-485	-2.8%
8.6%	17,218	16,709	-509	-3.0%
9.9%	17,116	16,664	-452	-2.6%
11.1%	16,365	16,559	194	1.2%
12.3%	16,187	16,083	-103	-0.6%
13.6%	16,180	15,386	-793	-4.9%
14.8%	16,026	14,938	-1,087	-6.8%
16.0%	15,295	14,921	-374	-2.4%
17.3%	14,795	14,629	-166	-1.1%
18.5%	14,751	14,552	-199	-1.4%
19.8%	14,695	14,348	-347	-2.4%
21.0%	14,453	14,300	-153	-1.1%
22.2%	14,353	14,265	-87	-0.6%
23.5%	14,321	14,250	-71	-0.5%
24.7%	14,278	13,866	-413	-2.9%
25.9%	14,073	13,618	-454	-3.2%
27.2%	13,990	13,452	-538	-3.8%
28.4%	13,978	13,414	-564	-4.0%
29.6%	13,505	13,405	-100	-0.7%
30.9%	13,393	13,396	2	0.0%
32.1%	13,159	13,306	147	1.1%
33.3%	13,062	13,191	129	1.0%
34.6%	13,056	12,907	-149	-1.1%
35.8%	12,976	12,843	-132	-1.0%
37.0%	12,243	12,828	585	4.8%
38.3%	12,122	12,357	236	1.9%
39.5%	11,884	12,112	227	1.9%
40.7%	11,841	12,092	251	2.1%
42.0%	11,795	12,077	282	2.4%
43.2%	11,759	11,824	65	0.6%
44.4%	11,713	11,804	91	0.8%
45.7%	11,637	11,598	-39	-0.3%
46.9%	11,510	11,466	-43	-0.4%
48.1%	11,363	11,464	101	0.9%
49.4%	11,281	11,404	122	1.1%
50.6%	10,941	11,007	66	0.6%
51.9%	10,452	10,692	240	2.3%
53.1%	10,308	10,538	230	2.2%
54.3%	10,297	10,510	213	2.1%
55.6%	10,022	10,318	296	3.0%
56.8%	9,963	10,115	152	1.5%
58.0%	9,744	10,093	348	3.6%
59.3%	9,663	10,060	397	4.1%
60.5%	9,129	10,026	897	9.8%
61.7%	9,108	9,975	866	9.5%
63.0%	9,045	9,960	915	10.1%
64.2%	9,031	9,686	655	7.3%
65.4%	8,594	9,646	1,052	12.2%
66.7%	8,579	9,552	972	11.3%
67.9%	8,575	9,468	893	10.4%
69.1%	8,537	9,366	829	9.7%
70.4%	8,381	9,231	850	10.1%
71.6%	8,229	9,024	795	9.7%
72.8%	8,138	8,791	653	8.0%
74.1%	8,122	8,732	610	7.5%
75.3%	8,062	8,499	436	5.4%
76.5%	7,764	8,279	515	6.6%
77.8%	7,423	8,136	713	9.6%
79.0%	7,032	7,546	514	7.3%
80.2%	6,963	7,424	461	6.6%
81.5%	6,773	7,281	508	7.5%
82.7%	6,326	7,249	923	14.6%
84.0%	6,316	7,075	759	12.0%
85.2%	6,285	6,938	652	10.4%
86.4%	6,258	6,664	406	6.5%
87.7%	6,219	6,485	266	4.3%
88.9%	6,219	6,360	142	2.3%
90.1%	6,027	6,263	236	3.9%
91.4%	5,844	6,044	200	3.4%
92.6%	5,788	5,986	197	3.4%
93.8%	5,676	5,874	198	3.5%
95.1%	5,401	5,784	383	7.1%
96.3%	5,365	5,783	418	7.8%
97.5%	5,340	5,276	-64	-1.2%
98.8%	5,197	5,208	10	0.2%
100.0%	4,396	4,590	194	4.4%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	65,543	65,910	366	0.6%
1.2%	59,056	58,453	-603	-1.0%
2.5%	57,309	56,830	-479	-0.8%
3.7%	55,588	55,225	-363	-0.7%
4.9%	53,900	52,240	-1,659	-3.1%
6.2%	48,532	47,238	-1,294	-2.7%
7.4%	47,607	45,447	-2,160	-4.5%
8.6%	45,509	43,052	-2,458	-5.4%
9.9%	44,118	42,700	-1,419	-3.2%
11.1%	42,735	42,609	-125	-0.3%
12.3%	39,123	38,589	-534	-1.4%
13.6%	34,146	32,642	-1,503	-4.4%
14.8%	33,103	31,997	-1,106	-3.3%
16.0%	33,053	31,262	-1,791	-5.4%
17.3%	31,937	29,327	-2,610	-8.2%
18.5%	31,148	28,304	-2,844	-9.1%
19.8%	30,756	26,627	-4,129	-13.4%
21.0%	30,608	25,750	-4,858	-15.9%
22.2%	27,105	25,660	-1,445	-5.3%
23.5%	25,684	25,509	-175	-0.7%
24.7%	25,141	21,965	-3,177	-12.6%
25.9%	21,348	19,577	-1,771	-8.3%
27.2%	20,660	18,365	-2,295	-11.1%
28.4%	20,061	18,317	-1,744	-8.7%
29.6%	19,568	17,827	-1,740	-8.9%
30.9%	19,269	16,749	-2,519	-13.1%
32.1%	18,451	16,518	-1,932	-10.5%
33.3%	18,331	16,514	-1,817	-9.9%
34.6%	18,114	16,505	-1,609	-8.9%
35.8%	17,720	15,563	-2,158	-12.2%
37.0%	16,386	15,324	-1,062	-6.5%
38.3%	16,280	15,273	-1,008	-6.2%
39.5%	16,147	15,237	-910	-5.6%
40.7%	16,007	14,782	-1,225	-7.7%
42.0%	15,853	14,545	-1,307	-8.2%
43.2%	15,840	14,320	-1,520	-9.6%
44.4%	15,541	13,236	-2,305	-14.8%
45.7%	15,413	13,070	-2,343	-15.2%
46.9%	15,214	12,910	-2,304	-15.1%
48.1%	14,947	12,464	-2,482	-16.6%
49.4%	14,712	12,305	-2,407	-16.4%
50.6%	14,608	12,249	-2,358	-16.1%
51.9%	13,778	12,205	-1,573	-11.4%
53.1%	13,394	12,125	-1,269	-9.5%
54.3%	13,137	12,059	-1,077	-8.2%
55.6%	12,338	11,970	-369	-3.0%
56.8%	12,231	11,931	-300	-2.5%
58.0%	12,231	11,929	-302	-2.5%
59.3%	12,107	11,734	-373	-3.1%
60.5%	11,942	11,717	-224	-1.9%
61.7%	11,671	11,627	-44	-0.4%
63.0%	11,588	11,601	13	0.1%
64.2%	11,536	11,542	6	0.1%
65.4%	11,348	11,202	-146	-1.3%
66.7%	10,771	11,110	339	3.1%
67.9%	10,561	10,945	384	3.6%
69.1%	10,478	10,911	433	4.1%
70.4%	10,415	10,851	436	4.2%
71.6%	10,222	10,505	283	2.8%
72.8%	9,941	10,290	349	3.5%
74.1%	9,248	9,914	666	7.2%
75.3%	8,755	9,735	980	11.2%
76.5%	8,639	9,693	1,055	12.2%
77.8%	8,561	9,006	445	5.2%
79.0%	8,320	8,816	496	6.0%
80.2%	8,312	8,781	469	5.6%
81.5%	8,202	8,594	392	4.8%
82.7%	8,200	8,452	252	3.1%
84.0%	7,809	8,254	445	5.7%
85.2%	7,626	8,239	613	8.0%
86.4%	7,560	8,073	513	6.8%
87.7%	7,369	7,681	312	4.2%
88.9%	7,342	7,641	299	4.1%
90.1%	7,012	7,638	626	8.9%
91.4%	6,927	7,611	684	9.9%
92.6%	6,728	7,604	876	13.0%
93.8%	6,695	7,583	888	13.3%
95.1%	6,665	7,211	546	8.2%
96.3%	6,614	6,916	301	4.6%
97.5%	6,409	6,816	407	6.4%
98.8%	6,008	6,735	727	12.1%
100.0%	5,520	5,767	247	4.5%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	76,104	76,129	25	0.0%
1.2%	74,978	74,843	-135	-0.2%
2.5%	70,088	69,440	-648	-0.9%
3.7%	65,796	65,623	-173	-0.3%
4.9%	64,593	64,170	-423	-0.7%
6.2%	63,556	62,628	-929	-1.5%
7.4%	63,306	62,442	-865	-1.4%
8.6%	61,240	61,176	-64	-0.1%
9.9%	60,335	60,555	219	0.4%
11.1%	60,216	59,880	-336	-0.6%
12.3%	57,483	56,680	-804	-1.4%
13.6%	55,487	55,883	396	0.7%
14.8%	55,255	55,466	212	0.4%
16.0%	55,147	54,902	-246	-0.4%
17.3%	52,077	50,571	-1,506	-2.9%
18.5%	51,209	49,551	-1,658	-3.2%
19.8%	50,632	49,438	-1,194	-2.4%
21.0%	50,553	49,249	-1,304	-2.6%
22.2%	49,806	49,106	-700	-1.4%
23.5%	49,641	48,682	-959	-1.9%
24.7%	49,322	48,501	-821	-1.7%
25.9%	48,645	46,599	-2,046	-4.2%
27.2%	45,702	45,445	-256	-0.6%
28.4%	43,368	42,790	-578	-1.3%
29.6%	42,903	41,750	-1,153	-2.7%
30.9%	37,158	36,704	-454	-1.2%
32.1%	36,680	35,351	-1,329	-3.6%
33.3%	36,620	34,380	-2,240	-6.1%
34.6%	33,326	34,375	1,049	3.1%
35.8%	33,186	30,153	-3,032	-9.1%
37.0%	33,078	29,735	-3,342	-10.1%
38.3%	31,841	29,428	-2,414	-7.6%
39.5%	31,323	27,638	-3,685	-11.8%
40.7%	30,780	27,376	-3,404	-11.1%
42.0%	30,404	27,204	-3,200	-10.5%
43.2%	26,903	22,898	-4,005	-14.9%
44.4%	26,160	22,666	-3,494	-13.4%
45.7%	25,118	21,545	-3,573	-14.2%
46.9%	24,157	20,674	-3,483	-14.4%
48.1%	24,128	20,170	-3,959	-16.4%
49.4%	23,303	19,804	-3,499	-15.0%
50.6%	21,578	17,860	-3,718	-17.2%
51.9%	20,569	17,423	-3,146	-15.3%
53.1%	19,951	16,392	-3,559	-17.8%
54.3%	19,499	15,404	-4,095	-21.0%
55.6%	19,443	15,317	-4,126	-21.2%
56.8%	19,213	14,906	-4,306	-22.4%
58.0%	18,310	14,849	-3,461	-18.9%
59.3%	18,140	14,579	-3,561	-19.6%
60.5%	17,371	14,286	-3,085	-17.8%
61.7%	16,801	13,977	-2,824	-16.8%
63.0%	16,778	13,871	-2,907	-17.3%
64.2%	15,991	13,788	-2,203	-13.8%
65.4%	15,815	13,237	-2,578	-16.3%
66.7%	15,418	13,055	-2,364	-15.3%
67.9%	15,158	12,995	-2,162	-14.3%
69.1%	14,954	12,687	-2,268	-15.2%
70.4%	14,224	12,402	-1,822	-12.8%
71.6%	13,434	12,362	-1,072	-8.0%
72.8%	13,206	12,234	-971	-7.4%
74.1%	12,728	12,158	-569	-4.5%
75.3%	12,158	11,771	-387	-3.2%
76.5%	12,100	11,673	-427	-3.5%
77.8%	11,944	11,602	-343	-2.9%
79.0%	11,943	11,584	-359	-3.0%
80.2%	11,794	11,539	-255	-2.2%
81.5%	11,732	11,397	-335	-2.9%
82.7%	11,239	11,203	-36	-0.3%
84.0%	10,960	11,004	44	0.4%
85.2%	10,852	10,850	-1	0.0%
86.4%	10,755	10,730	-26	-0.2%
87.7%	10,662	10,610	-53	-0.5%
88.9%	10,465	10,257	-208	-2.0%
90.1%	10,336	10,122	-215	-2.1%
91.4%	10,151	10,113	-38	-0.4%
92.6%	9,636	9,731	95	1.0%
93.8%	9,130	9,622	491	5.4%
95.1%	9,110	9,126	16	0.2%
96.3%	8,924	9,001	77	0.9%
97.5%	8,810	8,821	11	0.1%
98.8%	7,569	7,624	55	0.7%
100.0%	6,477	6,545	68	1.1%

Table SW-16-b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,246	81,517	271	0.3%
1.2%	71,284	71,007	-277	-0.4%
2.5%	71,009	70,497	-511	-0.7%
3.7%	68,087	67,798	-289	-0.4%
4.9%	67,278	67,267	-12	0.0%
6.2%	67,050	67,026	-24	0.0%
7.4%	66,517	65,845	-672	-1.0%
8.6%	65,216	65,155	-61	-0.1%
9.9%	62,406	62,395	-11	0.0%
11.1%	62,333	62,301	-31	-0.1%
12.3%	62,209	61,904	-305	-0.5%
13.6%	61,866	61,883	18	0.0%
14.8%	60,883	60,682	-201	-0.3%
16.0%	60,282	59,475	-807	-1.3%
17.3%	59,814	59,413	-401	-0.7%
18.5%	59,667	58,598	-1,069	-1.8%
19.8%	58,843	58,450	-392	-0.7%
21.0%	57,720	57,224	-496	-0.9%
22.2%	56,841	56,840	-1	0.0%
23.5%	54,843	53,780	-1,064	-1.9%
24.7%	54,445	53,090	-1,356	-2.5%
25.9%	53,798	52,725	-1,073	-2.0%
27.2%	53,586	52,620	-965	-1.8%
28.4%	50,642	50,404	-238	-0.5%
29.6%	49,731	48,473	-1,258	-2.5%
30.9%	49,330	47,633	-1,698	-3.4%
32.1%	48,221	46,594	-1,627	-3.4%
33.3%	45,577	44,804	-773	-1.7%
34.6%	44,858	42,931	-1,928	-4.3%
35.8%	43,490	42,878	-613	-1.4%
37.0%	43,217	42,269	-948	-2.2%
38.3%	41,629	41,890	262	0.6%
39.5%	41,611	41,617	6	0.0%
40.7%	41,610	41,092	-518	-1.2%
42.0%	41,219	40,702	-517	-1.3%
43.2%	38,034	38,047	13	0.0%
44.4%	35,495	36,105	610	1.7%
45.7%	35,237	32,524	-2,713	-7.7%
46.9%	34,512	31,517	-2,995	-8.7%
48.1%	33,506	31,132	-2,374	-7.1%
49.4%	32,686	30,468	-2,217	-6.8%
50.6%	32,167	29,312	-2,855	-8.9%
51.9%	32,084	27,818	-4,266	-13.3%
53.1%	31,168	27,461	-3,707	-11.9%
54.3%	29,753	27,092	-2,661	-8.9%
55.6%	28,335	24,147	-4,188	-14.8%
56.8%	25,522	23,059	-2,463	-9.7%
58.0%	25,464	22,861	-2,602	-10.2%
59.3%	24,060	22,379	-1,681	-7.0%
60.5%	23,819	21,438	-2,381	-10.0%
61.7%	23,460	20,290	-3,169	-13.5%
63.0%	22,922	19,255	-3,667	-16.0%
64.2%	22,906	19,174	-3,732	-16.3%
65.4%	21,162	18,803	-2,359	-11.1%
66.7%	20,964	18,508	-2,455	-11.7%
67.9%	20,429	18,229	-2,200	-10.8%
69.1%	19,423	18,193	-1,230	-6.3%
70.4%	19,173	18,092	-1,081	-5.6%
71.6%	18,694	18,024	-670	-3.6%
72.8%	17,750	17,719	-31	-0.2%
74.1%	17,495	16,869	-626	-3.6%
75.3%	16,863	16,428	-435	-2.6%
76.5%	16,840	14,840	-2,000	-11.9%
77.8%	16,490	13,721	-2,770	-16.8%
79.0%	15,424	13,632	-1,793	-11.6%
80.2%	15,122	13,599	-1,523	-10.1%
81.5%	14,530	13,484	-1,046	-7.2%
82.7%	14,411	13,245	-1,166	-8.1%
84.0%	14,401	13,117	-1,284	-8.9%
85.2%	14,380	12,995	-1,385	-9.6%
86.4%	14,354	12,940	-1,414	-9.8%
87.7%	14,312	12,930	-1,382	-9.7%
88.9%	14,251	12,335	-1,916	-13.4%
90.1%	13,176	12,130	-1,046	-7.9%
91.4%	12,722	11,951	-771	-6.1%
92.6%	12,277	11,951	-326	-2.7%
93.8%	11,738	11,935	197	1.7%
95.1%	11,718	11,560	-158	-1.3%
96.3%	11,536	11,557	21	0.2%
97.5%	8,895	11,430	2,535	28.5%
98.8%	7,762	9,391	1,629	21.0%
100.0%	6,704	8,427	1,723	25.7%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	74,597	74,618	21	0.0%
1.2%	71,652	70,973	-678	-0.9%
2.5%	66,830	66,013	-817	-1.2%
3.7%	63,320	62,355	-964	-1.5%
4.9%	61,548	61,475	-74	-0.1%
6.2%	61,473	60,704	-769	-1.3%
7.4%	59,822	59,007	-814	-1.4%
8.6%	57,333	57,118	-215	-0.4%
9.9%	57,049	57,041	-8	0.0%
11.1%	55,457	55,460	4	0.0%
12.3%	55,359	55,244	-115	-0.2%
13.6%	54,370	53,673	-697	-1.3%
14.8%	53,669	53,448	-221	-0.4%
16.0%	53,445	52,523	-921	-1.7%
17.3%	50,818	50,815	-3	0.0%
18.5%	49,762	49,763	1	0.0%
19.8%	48,967	49,120	153	0.3%
21.0%	48,341	47,730	-611	-1.3%
22.2%	48,340	46,763	-1,577	-3.3%
23.5%	46,919	45,221	-1,698	-3.6%
24.7%	45,828	44,984	-844	-1.8%
25.9%	43,400	43,385	-15	0.0%
27.2%	42,980	39,904	-3,076	-7.2%
28.4%	42,173	39,026	-3,147	-7.5%
29.6%	41,860	38,977	-2,883	-6.9%
30.9%	40,583	38,792	-1,791	-4.4%
32.1%	39,173	37,293	-1,880	-4.8%
33.3%	37,634	36,696	-937	-2.5%
34.6%	36,681	35,693	-988	-2.7%
35.8%	36,599	33,805	-2,793	-7.6%
37.0%	36,519	33,474	-3,046	-8.3%
38.3%	34,322	32,645	-1,677	-4.9%
39.5%	33,941	32,191	-1,750	-5.2%
40.7%	33,642	30,580	-3,063	-9.1%
42.0%	30,608	30,564	-45	-0.1%
43.2%	30,147	29,609	-538	-1.8%
44.4%	28,668	24,494	-4,174	-14.6%
45.7%	28,565	23,875	-4,690	-16.4%
46.9%	27,990	22,556	-5,434	-19.4%
48.1%	26,641	22,529	-4,112	-15.4%
49.4%	24,725	20,899	-3,826	-15.5%
50.6%	24,053	20,677	-3,376	-14.0%
51.9%	23,685	20,420	-3,265	-13.8%
53.1%	23,587	20,193	-3,394	-14.4%
54.3%	22,378	19,780	-2,598	-11.6%
55.6%	21,120	19,640	-1,480	-7.0%
56.8%	20,919	19,592	-1,328	-6.3%
58.0%	20,852	19,355	-1,497	-7.2%
59.3%	20,322	19,173	-1,149	-5.7%
60.5%	20,163	19,078	-1,084	-5.4%
61.7%	19,594	18,755	-839	-4.3%
63.0%	19,395	18,091	-1,304	-6.7%
64.2%	19,092	17,579	-1,513	-7.9%
65.4%	18,818	16,759	-2,059	-10.9%
66.7%	18,629	16,694	-1,936	-10.4%
67.9%	17,685	16,403	-1,282	-7.2%
69.1%	17,076	16,297	-779	-4.6%
70.4%	16,768	16,126	-642	-3.8%
71.6%	15,892	15,850	-41	-0.3%
72.8%	15,881	14,906	-975	-6.1%
74.1%	14,989	14,641	-348	-2.3%
75.3%	14,781	14,256	-525	-3.5%
76.5%	14,583	13,459	-1,124	-7.7%
77.8%	14,574	13,030	-1,544	-10.6%
79.0%	13,736	12,297	-1,439	-10.5%
80.2%	13,250	12,185	-1,065	-8.0%
81.5%	13,055	12,098	-957	-7.3%
82.7%	12,289	12,040	-248	-2.0%
84.0%	12,199	11,838	-361	-3.0%
85.2%	12,188	11,623	-565	-4.6%
86.4%	11,556	11,424	-132	-1.1%
87.7%	11,291	11,365	74	0.7%
88.9%	11,144	11,134	-11	-0.1%
90.1%	10,719	10,444	-274	-2.6%
91.4%	10,250	10,326	75	0.7%
92.6%	10,092	10,157	65	0.6%
93.8%	9,860	10,051	191	1.9%
95.1%	9,640	9,786	146	1.5%
96.3%	9,552	9,749	197	2.1%
97.5%	8,588	8,932	344	4.0%
98.8%	8,064	7,717	-347	-4.3%
100.0%	7,298	7,562	265	3.6%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,750	59,743	-7	0.0%
1.2%	57,794	57,257	-537	-0.9%
2.5%	57,344	57,140	-204	-0.4%
3.7%	47,482	45,563	-1,919	-4.0%
4.9%	45,568	44,995	-573	-1.3%
6.2%	43,804	43,776	-28	-0.1%
7.4%	41,877	41,812	-66	-0.2%
8.6%	41,177	40,746	-431	-1.0%
9.9%	38,836	38,678	-158	-0.4%
11.1%	37,510	37,531	22	0.1%
12.3%	32,716	29,737	-2,979	-9.1%
13.6%	27,847	28,148	301	1.1%
14.8%	27,828	27,808	-20	-0.1%
16.0%	24,854	23,072	-1,783	-7.2%
17.3%	24,626	22,747	-1,879	-7.6%
18.5%	24,286	21,657	-2,629	-10.8%
19.8%	21,976	20,526	-1,451	-6.6%
21.0%	21,262	19,649	-1,613	-7.6%
22.2%	21,154	19,315	-1,839	-8.7%
23.5%	19,752	18,743	-1,009	-5.1%
24.7%	18,739	18,525	-214	-1.1%
25.9%	18,711	17,791	-920	-4.9%
27.2%	16,615	17,206	591	3.6%
28.4%	16,256	16,262	5	0.0%
29.6%	15,630	16,120	489	3.1%
30.9%	15,287	15,443	156	1.0%
32.1%	15,027	14,319	-709	-4.7%
33.3%	14,461	14,047	-414	-2.9%
34.6%	14,414	13,918	-496	-3.4%
35.8%	14,119	13,758	-361	-2.6%
37.0%	13,748	13,696	-52	-0.4%
38.3%	13,630	13,511	-119	-0.9%
39.5%	13,422	13,425	3	0.0%
40.7%	13,341	13,366	25	0.2%
42.0%	12,956	13,098	142	1.1%
43.2%	12,776	13,031	255	2.0%
44.4%	12,325	12,387	62	0.5%
45.7%	12,309	12,339	30	0.2%
46.9%	12,278	12,194	-84	-0.7%
48.1%	12,180	11,687	-493	-4.0%
49.4%	11,852	11,616	-237	-2.0%
50.6%	11,825	11,328	-497	-4.2%
51.9%	11,779	11,292	-487	-4.1%
53.1%	11,384	11,045	-339	-3.0%
54.3%	11,382	10,975	-407	-3.6%
55.6%	10,774	10,513	-262	-2.4%
56.8%	10,327	10,486	159	1.5%
58.0%	10,263	10,473	210	2.0%
59.3%	10,000	10,463	463	4.6%
60.5%	9,979	10,203	224	2.2%
61.7%	9,877	10,195	318	3.2%
63.0%	9,869	9,992	124	1.3%
64.2%	9,503	9,933	430	4.5%
65.4%	9,439	9,788	349	3.7%
66.7%	9,237	9,691	454	4.9%
67.9%	9,213	9,353	140	1.5%
69.1%	9,146	9,319	174	1.9%
70.4%	9,125	9,284	159	1.7%
71.6%	9,059	9,268	210	2.3%
72.8%	9,036	9,174	138	1.5%
74.1%	8,976	9,144	168	1.9%
75.3%	8,929	8,945	16	0.2%
76.5%	8,829	8,928	99	1.1%
77.8%	8,773	8,910	138	1.6%
79.0%	8,597	8,853	256	3.0%
80.2%	8,590	8,822	232	2.7%
81.5%	8,449	8,698	249	2.9%
82.7%	8,447	8,446	-1	0.0%
84.0%	8,284	8,349	65	0.8%
85.2%	8,129	8,336	207	2.5%
86.4%	8,129	7,944	-185	-2.3%
87.7%	8,055	7,878	-177	-2.2%
88.9%	7,964	7,836	-128	-1.6%
90.1%	7,872	7,804	-68	-0.9%
91.4%	7,856	7,764	-92	-1.2%
92.6%	7,293	7,545	252	3.5%
93.8%	7,097	7,149	51	0.7%
95.1%	7,067	7,131	64	0.9%
96.3%	6,842	7,046	205	3.0%
97.5%	6,799	6,775	-24	-0.4%
98.8%	6,662	6,654	-8	-0.1%
100.0%	6,435	6,617	182	2.8%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	36,127	33,396	-2,731	-7.6%
1.2%	24,399	22,596	-1,803	-7.4%
2.5%	19,205	19,968	763	4.0%
3.7%	18,689	17,647	-1,042	-5.6%
4.9%	17,604	14,319	-3,284	-18.7%
6.2%	14,577	14,189	-388	-2.7%
7.4%	13,814	13,594	-220	-1.6%
8.6%	13,546	13,510	-36	-0.3%
9.9%	13,512	13,423	-89	-0.7%
11.1%	13,383	13,121	-263	-2.0%
12.3%	12,863	12,839	-24	-0.2%
13.6%	12,848	12,774	-74	-0.6%
14.8%	12,678	12,639	-39	-0.3%
16.0%	12,668	12,547	-121	-1.0%
17.3%	12,515	12,503	-12	-0.1%
18.5%	12,045	12,096	51	0.4%
19.8%	11,740	11,949	209	1.8%
21.0%	11,477	11,741	264	2.3%
22.2%	11,377	11,728	352	3.1%
23.5%	10,757	11,716	959	8.9%
24.7%	10,520	11,700	1,180	11.2%
25.9%	10,503	11,481	978	9.3%
27.2%	10,388	10,888	500	4.8%
28.4%	10,270	10,803	534	5.2%
29.6%	10,241	10,798	557	5.4%
30.9%	10,111	10,655	545	5.4%
32.1%	10,104	10,579	475	4.7%
33.3%	10,014	10,504	490	4.9%
34.6%	9,918	10,470	552	5.6%
35.8%	9,862	10,444	582	5.9%
37.0%	9,786	10,185	399	4.1%
38.3%	9,697	9,979	282	2.9%
39.5%	9,607	9,797	190	2.0%
40.7%	9,400	9,583	184	2.0%
42.0%	9,194	9,475	281	3.1%
43.2%	9,186	9,422	237	2.6%
44.4%	9,148	9,355	207	2.3%
45.7%	9,136	9,115	-21	-0.2%
46.9%	9,105	9,002	-103	-1.1%
48.1%	8,915	8,869	-45	-0.5%
49.4%	8,863	8,705	-159	-1.8%
50.6%	8,613	8,552	-61	-0.7%
51.9%	8,546	8,547	1	0.0%
53.1%	8,448	8,452	4	0.0%
54.3%	8,444	8,377	-68	-0.8%
55.6%	8,375	8,357	-18	-0.2%
56.8%	8,370	8,268	-102	-1.2%
58.0%	8,351	8,224	-127	-1.5%
59.3%	8,340	8,164	-176	-2.1%
60.5%	8,337	8,142	-195	-2.3%
61.7%	8,188	8,131	-56	-0.7%
63.0%	8,136	8,072	-65	-0.8%
64.2%	8,058	8,058	0	0.0%
65.4%	8,051	8,045	-6	-0.1%
66.7%	7,991	8,034	43	0.5%
67.9%	7,952	8,021	69	0.9%
69.1%	7,943	7,713	-230	-2.9%
70.4%	7,932	7,656	-276	-3.5%
71.6%	7,909	7,654	-256	-3.2%
72.8%	7,889	7,632	-257	-3.3%
74.1%	7,865	7,611	-254	-3.2%
75.3%	7,841	7,607	-234	-3.0%
76.5%	7,811	7,498	-313	-4.0%
77.8%	7,701	7,435	-267	-3.5%
79.0%	7,536	7,428	-108	-1.4%
80.2%	7,416	7,318	-98	-1.3%
81.5%	7,403	7,279	-124	-1.7%
82.7%	7,403	7,207	-195	-2.6%
84.0%	7,342	7,171	-171	-2.3%
85.2%	7,309	7,089	-220	-3.0%
86.4%	7,297	7,065	-232	-3.2%
87.7%	7,244	6,995	-249	-3.4%
88.9%	7,035	6,826	-209	-3.0%
90.1%	6,766	6,594	-172	-2.5%
91.4%	6,508	6,507	-1	0.0%
92.6%	6,101	6,228	127	2.1%
93.8%	5,928	5,800	-128	-2.2%
95.1%	5,788	5,558	-230	-4.0%
96.3%	5,771	5,526	-244	-4.2%
97.5%	5,714	5,440	-273	-4.8%
98.8%	5,511	5,163	-348	-6.3%
100.0%	4,752	4,733	-19	-0.4%

Table SW-16-b

Sacramento River at Verona, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,593	22,596	1,003	4.6%
1.2%	17,062	17,125	63	0.4%
2.5%	16,051	16,027	-25	-0.2%
3.7%	15,952	15,609	-344	-2.2%
4.9%	14,707	14,751	44	0.3%
6.2%	14,351	14,629	277	1.9%
7.4%	14,035	14,249	215	1.5%
8.6%	14,026	14,086	60	0.4%
9.9%	13,958	13,852	-106	-0.8%
11.1%	13,920	13,486	-434	-3.1%
12.3%	13,850	13,390	-461	-3.3%
13.6%	13,831	13,257	-574	-4.1%
14.8%	13,607	13,174	-433	-3.2%
16.0%	13,235	13,103	-132	-1.0%
17.3%	13,201	13,074	-127	-1.0%
18.5%	13,195	13,040	-155	-1.2%
19.8%	13,159	13,022	-136	-1.0%
21.0%	12,944	12,911	-33	-0.3%
22.2%	12,889	12,889	0	0.0%
23.5%	12,875	12,780	-95	-0.7%
24.7%	12,843	12,665	-178	-1.4%
25.9%	12,775	12,513	-262	-2.0%
27.2%	12,571	12,402	-168	-1.3%
28.4%	12,477	12,294	-183	-1.5%
29.6%	12,284	12,286	3	0.0%
30.9%	12,235	12,280	45	0.4%
32.1%	12,211	12,239	28	0.2%
33.3%	12,154	12,206	52	0.4%
34.6%	12,141	12,079	-61	-0.5%
35.8%	12,103	12,045	-57	-0.5%
37.0%	12,040	12,031	-9	-0.1%
38.3%	11,944	11,964	20	0.2%
39.5%	11,637	11,948	310	2.7%
40.7%	11,626	11,922	296	2.5%
42.0%	11,613	11,921	307	2.6%
43.2%	11,496	11,912	415	3.6%
44.4%	11,491	11,878	387	3.4%
45.7%	11,487	11,874	386	3.4%
46.9%	11,482	11,805	323	2.8%
48.1%	11,374	11,782	408	3.6%
49.4%	11,325	11,759	434	3.8%
50.6%	11,285	11,705	421	3.7%
51.9%	10,941	11,666	725	6.6%
53.1%	10,892	11,573	681	6.3%
54.3%	10,884	11,567	683	6.3%
55.6%	10,791	11,557	766	7.1%
56.8%	10,731	11,427	696	6.5%
58.0%	10,711	11,323	611	5.7%
59.3%	10,706	11,178	472	4.4%
60.5%	10,674	11,112	438	4.1%
61.7%	10,658	11,018	361	3.4%
63.0%	10,574	10,966	392	3.7%
64.2%	10,490	10,776	286	2.7%
65.4%	10,384	10,763	380	3.7%
66.7%	9,897	10,751	854	8.6%
67.9%	9,858	10,555	698	7.1%
69.1%	9,849	10,417	569	5.8%
70.4%	9,721	10,385	664	6.8%
71.6%	9,658	10,370	712	7.4%
72.8%	9,653	10,261	608	6.3%
74.1%	9,649	10,176	526	5.5%
75.3%	9,642	10,149	507	5.3%
76.5%	9,577	10,069	491	5.1%
77.8%	9,408	9,931	523	5.6%
79.0%	9,134	9,802	667	7.3%
80.2%	9,061	9,753	692	7.6%
81.5%	8,998	9,713	715	7.9%
82.7%	8,977	9,588	611	6.8%
84.0%	8,913	9,577	664	7.5%
85.2%	8,849	9,362	513	5.8%
86.4%	8,581	8,965	384	4.5%
87.7%	8,484	8,905	421	5.0%
88.9%	8,361	8,765	404	4.8%
90.1%	7,929	8,742	813	10.3%
91.4%	7,745	8,699	955	12.3%
92.6%	7,645	7,990	345	4.5%
93.8%	7,550	7,885	336	4.4%
95.1%	7,215	7,846	631	8.7%
96.3%	7,200	7,358	157	2.2%
97.5%	7,200	7,313	113	1.6%
98.8%	6,760	7,197	437	6.5%
100.0%	6,200	6,673	473	7.6%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,308	22,292	1,984	9.8%
1.2%	20,108	21,819	1,711	8.5%
2.5%	19,857	21,065	1,208	6.1%
3.7%	19,676	20,666	991	5.0%
4.9%	19,521	20,627	1,106	5.7%
6.2%	19,488	20,495	1,006	5.2%
7.4%	19,339	20,478	1,139	5.9%
8.6%	19,329	20,372	1,043	5.4%
9.9%	19,313	20,326	1,013	5.2%
11.1%	19,095	20,279	1,184	6.2%
12.3%	18,941	20,262	1,321	7.0%
13.6%	18,910	20,114	1,204	6.4%
14.8%	18,874	20,084	1,209	6.4%
16.0%	18,823	19,881	1,058	5.6%
17.3%	18,819	19,852	1,033	5.5%
18.5%	18,810	19,708	898	4.8%
19.8%	18,708	19,675	967	5.2%
21.0%	18,593	19,621	1,028	5.5%
22.2%	18,557	19,593	1,036	5.6%
23.5%	18,538	19,569	1,031	5.6%
24.7%	18,477	19,512	1,035	5.6%
25.9%	18,466	19,470	1,004	5.4%
27.2%	18,380	19,446	1,066	5.8%
28.4%	18,357	19,428	1,071	5.8%
29.6%	18,348	19,410	1,062	5.8%
30.9%	18,345	19,341	997	5.4%
32.1%	18,274	19,312	1,038	5.7%
33.3%	18,266	19,310	1,044	5.7%
34.6%	18,203	19,220	1,016	5.6%
35.8%	18,108	19,174	1,065	5.9%
37.0%	17,871	19,111	1,240	6.9%
38.3%	17,853	18,963	1,110	6.2%
39.5%	17,805	18,808	1,004	5.6%
40.7%	17,689	18,589	900	5.1%
42.0%	17,666	18,454	788	4.5%
43.2%	17,646	18,431	786	4.5%
44.4%	17,619	18,331	712	4.0%
45.7%	17,593	18,027	433	2.5%
46.9%	17,556	17,929	373	2.1%
48.1%	17,453	17,728	275	1.6%
49.4%	17,395	17,653	258	1.5%
50.6%	17,310	17,646	336	1.9%
51.9%	17,296	17,580	285	1.6%
53.1%	17,212	17,556	345	2.0%
54.3%	17,095	17,341	247	1.4%
55.6%	16,832	17,340	508	3.0%
56.8%	16,801	17,330	529	3.1%
58.0%	16,672	17,307	634	3.8%
59.3%	16,152	17,268	1,116	6.9%
60.5%	15,989	17,238	1,249	7.8%
61.7%	15,793	16,964	1,172	7.4%
63.0%	15,753	16,741	988	6.3%
64.2%	15,421	16,360	939	6.1%
65.4%	15,288	16,357	1,069	7.0%
66.7%	15,080	15,963	884	5.9%
67.9%	14,806	15,960	1,154	7.8%
69.1%	14,611	15,573	962	6.6%
70.4%	14,213	15,296	1,083	7.6%
71.6%	14,209	15,160	951	6.7%
72.8%	14,077	14,878	800	5.7%
74.1%	12,728	14,816	2,088	16.4%
75.3%	12,670	14,430	1,760	13.9%
76.5%	12,347	13,830	1,483	12.0%
77.8%	11,611	13,708	2,097	18.1%
79.0%	11,038	13,547	2,509	22.7%
80.2%	10,926	12,894	1,967	18.0%
81.5%	10,873	11,846	973	9.0%
82.7%	10,579	11,649	1,070	10.1%
84.0%	10,271	11,520	1,250	12.2%
85.2%	10,027	11,047	1,020	10.2%
86.4%	9,785	10,844	1,058	10.8%
87.7%	9,204	10,834	1,630	17.7%
88.9%	9,198	10,692	1,493	16.2%
90.1%	9,133	10,439	1,306	14.3%
91.4%	8,959	10,055	1,096	12.2%
92.6%	8,830	9,296	466	5.3%
93.8%	8,599	9,224	625	7.3%
95.1%	8,574	9,013	439	5.1%
96.3%	8,027	8,944	917	11.4%
97.5%	7,795	8,775	979	12.6%
98.8%	6,752	7,779	1,028	15.2%
100.0%	4,975	7,711	2,736	55.0%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	16,591	16,829	238	1.4%
1.2%	16,102	15,810	-292	-1.8%
2.5%	15,853	15,325	-528	-3.3%
3.7%	15,629	15,105	-524	-3.4%
4.9%	15,169	15,104	-64	-0.4%
6.2%	14,513	14,651	138	0.9%
7.4%	14,508	14,580	72	0.5%
8.6%	14,362	14,522	160	1.1%
9.9%	14,317	14,508	191	1.3%
11.1%	14,089	14,493	404	2.9%
12.3%	14,044	14,373	329	2.3%
13.6%	14,006	14,370	363	2.6%
14.8%	14,001	14,347	346	2.5%
16.0%	13,961	14,320	359	2.6%
17.3%	13,889	14,296	407	2.9%
18.5%	13,798	14,254	456	3.3%
19.8%	13,729	14,160	432	3.1%
21.0%	13,708	14,003	294	2.1%
22.2%	13,671	13,961	290	2.1%
23.5%	13,584	13,837	253	1.9%
24.7%	13,531	13,796	265	2.0%
25.9%	13,411	13,769	357	2.7%
27.2%	13,351	13,755	405	3.0%
28.4%	13,292	13,733	441	3.3%
29.6%	13,287	13,621	334	2.5%
30.9%	13,264	13,612	347	2.6%
32.1%	13,122	13,585	463	3.5%
33.3%	13,005	13,567	561	4.3%
34.6%	12,812	13,537	725	5.7%
35.8%	12,712	13,489	778	6.1%
37.0%	12,709	13,430	721	5.7%
38.3%	12,688	13,374	685	5.4%
39.5%	12,654	13,344	690	5.5%
40.7%	12,648	13,308	660	5.2%
42.0%	12,646	13,218	572	4.5%
43.2%	12,594	13,194	600	4.8%
44.4%	12,546	13,190	644	5.1%
45.7%	12,527	13,183	655	5.2%
46.9%	12,452	13,153	701	5.6%
48.1%	12,451	13,136	686	5.5%
49.4%	12,417	13,120	703	5.7%
50.6%	12,379	13,047	668	5.4%
51.9%	12,229	12,914	684	5.6%
53.1%	12,172	12,890	718	5.9%
54.3%	11,990	12,707	717	6.0%
55.6%	11,713	12,494	781	6.7%
56.8%	11,419	12,424	1,005	8.8%
58.0%	11,083	12,216	1,133	10.2%
59.3%	11,042	11,818	777	7.0%
60.5%	10,528	11,786	1,258	11.9%
61.7%	10,395	11,534	1,138	11.0%
63.0%	10,258	11,428	1,170	11.4%
64.2%	10,143	11,376	1,233	12.2%
65.4%	10,110	11,263	1,153	11.4%
66.7%	10,048	11,187	1,139	11.3%
67.9%	9,968	10,655	686	6.9%
69.1%	9,827	10,567	740	7.5%
70.4%	9,770	10,336	567	5.8%
71.6%	9,729	10,327	598	6.1%
72.8%	9,631	10,278	647	6.7%
74.1%	9,598	10,240	642	6.7%
75.3%	9,579	10,057	478	5.0%
76.5%	9,535	10,048	512	5.4%
77.8%	9,526	9,989	463	4.9%
79.0%	9,485	9,755	270	2.8%
80.2%	9,428	9,682	253	2.7%
81.5%	9,418	9,295	-123	-1.3%
82.7%	9,360	9,256	-105	-1.1%
84.0%	9,087	9,222	134	1.5%
85.2%	8,972	9,081	109	1.2%
86.4%	8,909	9,016	107	1.2%
87.7%	8,820	8,996	176	2.0%
88.9%	8,658	8,903	245	2.8%
90.1%	8,199	8,841	642	7.8%
91.4%	7,792	8,839	1,047	13.4%
92.6%	7,359	8,755	1,395	19.0%
93.8%	7,105	8,378	1,273	17.9%
95.1%	7,098	8,291	1,193	16.8%
96.3%	6,736	7,718	982	14.6%
97.5%	6,717	7,474	757	11.3%
98.8%	6,330	6,749	419	6.6%
100.0%	6,095	6,047	-48	-0.8%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	27,830	27,866	36	0.1%
1.2%	27,748	27,715	-33	-0.1%
2.5%	27,478	27,671	193	0.7%
3.7%	26,809	26,763	-46	-0.2%
4.9%	26,566	26,566	0	0.0%
6.2%	26,466	26,499	32	0.1%
7.4%	26,401	26,486	85	0.3%
8.6%	25,427	26,411	984	3.9%
9.9%	25,253	26,253	1,000	4.0%
11.1%	25,135	26,147	1,012	4.0%
12.3%	25,034	25,773	739	3.0%
13.6%	25,021	25,648	627	2.5%
14.8%	24,997	25,211	214	0.9%
16.0%	24,872	24,792	-80	-0.3%
17.3%	24,817	24,451	-366	-1.5%
18.5%	24,451	24,248	-202	-0.8%
19.8%	24,391	23,945	-446	-1.8%
21.0%	23,659	23,745	86	0.4%
22.2%	23,174	23,475	302	1.3%
23.5%	22,948	22,594	-354	-1.5%
24.7%	22,942	21,704	-1,238	-5.4%
25.9%	22,409	21,362	-1,047	-4.7%
27.2%	21,966	21,085	-881	-4.0%
28.4%	21,604	20,943	-660	-3.1%
29.6%	21,064	20,490	-573	-2.7%
30.9%	20,980	20,399	-581	-2.8%
32.1%	20,511	20,221	-289	-1.4%
33.3%	20,393	20,217	-176	-0.9%
34.6%	19,895	19,913	18	0.1%
35.8%	19,868	19,824	-44	-0.2%
37.0%	18,444	19,250	806	4.4%
38.3%	18,333	18,062	-271	-1.5%
39.5%	18,327	17,489	-838	-4.6%
40.7%	17,581	17,253	-328	-1.9%
42.0%	17,465	16,998	-467	-2.7%
43.2%	17,108	16,826	-282	-1.7%
44.4%	11,752	14,385	2,633	22.4%
45.7%	11,581	13,694	2,112	18.2%
46.9%	11,523	13,265	1,741	15.1%
48.1%	11,254	13,236	1,982	17.6%
49.4%	11,181	13,195	2,014	18.0%
50.6%	11,146	12,955	1,809	16.2%
51.9%	11,061	12,578	1,516	13.7%
53.1%	11,049	12,574	1,525	13.8%
54.3%	10,923	12,557	1,634	15.0%
55.6%	10,852	12,445	1,593	14.7%
56.8%	10,789	12,402	1,613	15.0%
58.0%	10,664	12,370	1,706	16.0%
59.3%	10,510	12,224	1,714	16.3%
60.5%	10,416	11,981	1,565	15.0%
61.7%	10,082	11,850	1,768	17.5%
63.0%	9,907	11,794	1,887	19.0%
64.2%	9,883	11,722	1,840	18.6%
65.4%	9,814	11,709	1,895	19.3%
66.7%	9,544	11,698	2,154	22.6%
67.9%	9,370	11,116	1,747	18.6%
69.1%	9,096	10,979	1,883	20.7%
70.4%	9,025	10,978	1,953	21.6%
71.6%	8,801	10,751	1,951	22.2%
72.8%	8,610	10,668	2,058	23.9%
74.1%	8,421	10,463	2,042	24.2%
75.3%	8,290	10,459	2,169	26.2%
76.5%	8,070	10,446	2,376	29.4%
77.8%	7,905	10,012	2,107	26.6%
79.0%	7,741	9,950	2,208	28.5%
80.2%	7,340	9,926	2,586	35.2%
81.5%	7,339	9,809	2,470	33.7%
82.7%	7,074	9,770	2,696	38.1%
84.0%	7,007	9,687	2,680	38.3%
85.2%	6,874	9,678	2,804	40.8%
86.4%	6,871	9,273	2,401	34.9%
87.7%	6,544	9,267	2,724	41.6%
88.9%	6,528	9,031	2,503	38.3%
90.1%	6,307	8,711	2,405	38.1%
91.4%	6,275	8,336	2,061	32.8%
92.6%	6,178	7,894	1,717	27.8%
93.8%	6,036	7,818	1,782	29.5%
95.1%	5,884	7,662	1,779	30.2%
96.3%	5,868	7,280	1,412	24.1%
97.5%	5,487	6,875	1,388	25.3%
98.8%	5,451	5,637	186	3.4%
100.0%	5,330	5,376	46	0.9%

Figure SW-17-b
Sacramento River at Freeport, Monthly Flow
Probability of Exceedance

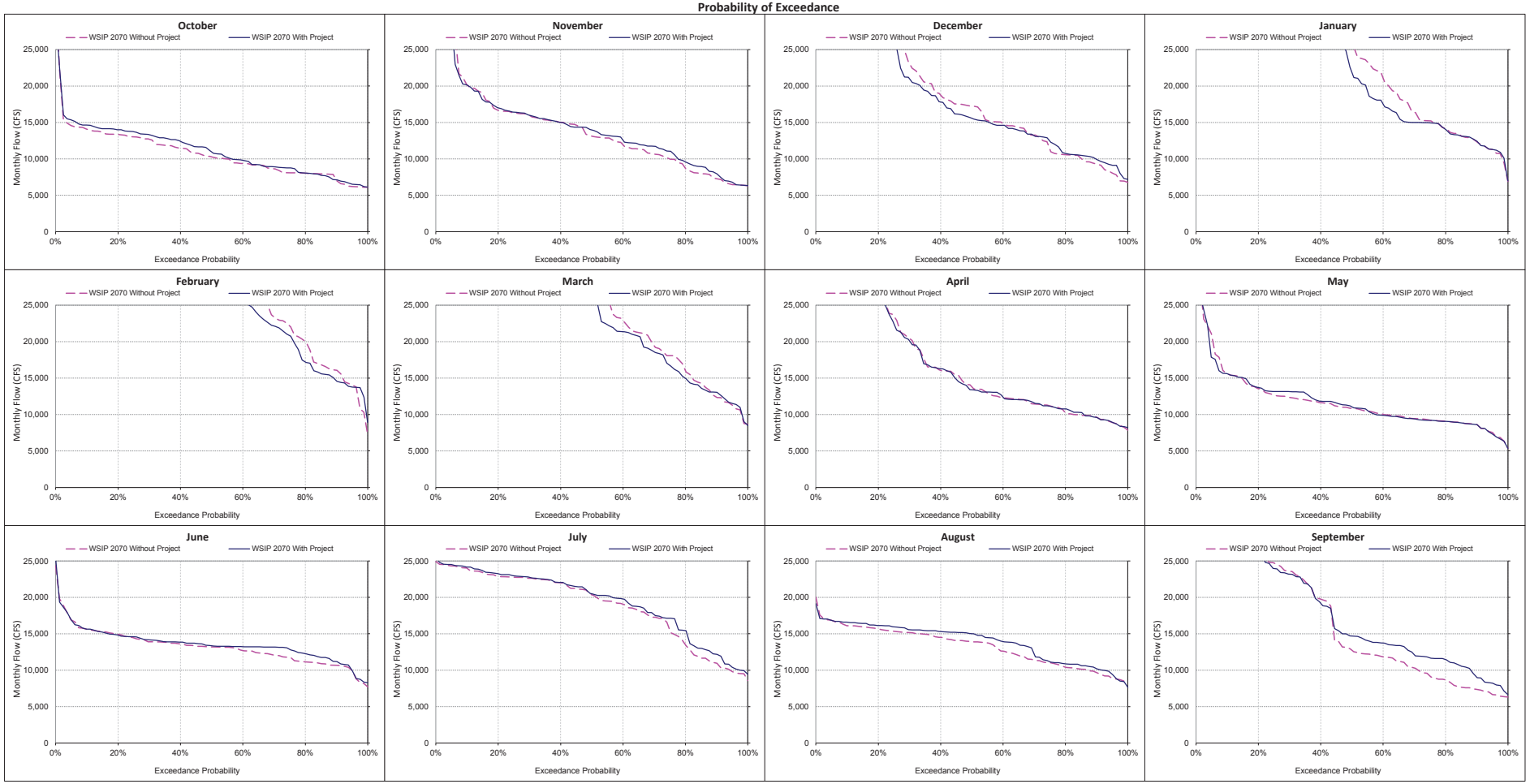


Table SW-17-b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33,410	29,806	-3,604	-10.8%
1.2%	22,306	22,488	183	0.8%
2.5%	15,504	16,049	545	3.5%
3.7%	14,904	15,503	599	4.0%
4.9%	14,570	15,363	793	5.4%
6.2%	14,398	15,133	735	5.1%
7.4%	14,358	14,795	437	3.0%
8.6%	14,315	14,643	328	2.3%
9.9%	14,086	14,632	546	3.9%
11.1%	13,899	14,602	702	5.1%
12.3%	13,817	14,431	614	4.4%
13.6%	13,809	14,238	429	3.1%
14.8%	13,676	14,162	486	3.6%
16.0%	13,420	14,129	710	5.3%
17.3%	13,387	14,128	741	5.5%
18.5%	13,381	14,100	719	5.4%
19.8%	13,367	13,998	631	4.7%
21.0%	13,296	13,986	690	5.2%
22.2%	13,252	13,827	575	4.3%
23.5%	13,042	13,793	751	5.8%
24.7%	13,034	13,763	729	5.6%
25.9%	13,009	13,661	653	5.0%
27.2%	12,907	13,421	514	4.0%
28.4%	12,750	13,402	652	5.1%
29.6%	12,742	13,343	602	4.7%
30.9%	12,577	13,207	630	5.0%
32.1%	11,986	13,039	1,053	8.8%
33.3%	11,949	12,895	945	7.9%
34.6%	11,893	12,887	994	8.4%
35.8%	11,813	12,803	990	8.4%
37.0%	11,812	12,661	849	7.2%
38.3%	11,609	12,631	1,023	8.8%
39.5%	11,489	12,518	1,030	9.0%
40.7%	11,458	12,243	785	6.9%
42.0%	11,381	12,064	683	6.0%
43.2%	10,960	11,883	923	8.4%
44.4%	10,790	11,668	878	8.1%
45.7%	10,769	11,661	892	8.3%
46.9%	10,562	11,634	1,072	10.1%
48.1%	10,361	11,576	1,215	11.7%
49.4%	10,352	11,145	794	7.7%
50.6%	10,193	10,768	575	5.6%
51.9%	10,094	10,684	590	5.8%
53.1%	10,092	10,652	560	5.6%
54.3%	10,006	10,284	278	2.8%
55.6%	9,973	10,123	151	1.5%
56.8%	9,450	9,933	483	5.1%
58.0%	9,435	9,889	454	4.8%
59.3%	9,369	9,875	506	5.4%
60.5%	9,343	9,760	417	4.5%
61.7%	9,331	9,660	328	3.5%
63.0%	9,172	9,215	44	0.5%
64.2%	9,171	9,214	43	0.5%
65.4%	9,136	9,203	68	0.7%
66.7%	9,098	8,961	-136	-1.5%
67.9%	8,746	8,950	204	2.3%
69.1%	8,675	8,939	264	3.0%
70.4%	8,608	8,891	284	3.3%
71.6%	8,391	8,822	430	5.1%
72.8%	8,100	8,801	701	8.7%
74.1%	8,099	8,752	653	8.1%
75.3%	8,085	8,752	666	8.2%
76.5%	8,079	8,640	561	6.9%
77.8%	8,078	8,164	85	1.1%
79.0%	8,055	8,063	7	0.1%
80.2%	8,028	8,052	24	0.3%
81.5%	7,977	8,008	31	0.4%
82.7%	7,976	7,944	-32	-0.4%
84.0%	7,962	7,915	-48	-0.6%
85.2%	7,937	7,720	-217	-2.7%
86.4%	7,921	7,671	-250	-3.2%
87.7%	7,887	7,506	-381	-4.8%
88.9%	7,861	7,137	-724	-9.2%
90.1%	6,966	7,122	156	2.2%
91.4%	6,592	6,954	361	5.5%
92.6%	6,505	6,878	373	5.7%
93.8%	6,253	6,699	445	7.1%
95.1%	6,198	6,505	307	5.0%
96.3%	6,173	6,487	314	5.1%
97.5%	6,158	6,430	272	4.4%
98.8%	6,109	6,196	87	1.4%
100.0%	6,108	6,108	0	0.0%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,533	38,603	-5,930	-13.3%
1.2%	39,768	38,071	-1,696	-4.3%
2.5%	38,787	37,962	-825	-2.1%
3.7%	33,726	33,615	-111	-0.3%
4.9%	30,116	29,427	-688	-2.3%
6.2%	27,251	22,983	-4,267	-15.7%
7.4%	21,708	21,453	-254	-1.2%
8.6%	21,206	20,280	-926	-4.4%
9.9%	20,224	20,187	-37	-0.2%
11.1%	19,703	19,845	142	0.7%
12.3%	19,698	19,300	-398	-2.0%
13.6%	19,320	19,297	-23	-0.1%
14.8%	19,105	18,170	-935	-4.9%
16.0%	18,066	17,812	-255	-1.4%
17.3%	17,877	17,768	-109	-0.6%
18.5%	16,979	17,355	376	2.2%
19.8%	16,711	17,049	338	2.0%
21.0%	16,561	16,898	336	2.0%
22.2%	16,542	16,688	145	0.9%
23.5%	16,520	16,585	65	0.4%
24.7%	16,324	16,416	92	0.6%
25.9%	16,273	16,396	122	0.8%
27.2%	16,197	16,308	112	0.7%
28.4%	16,196	16,272	77	0.5%
29.6%	16,063	16,046	-17	-0.1%
30.9%	15,761	15,900	139	0.9%
32.1%	15,664	15,767	103	0.7%
33.3%	15,551	15,543	-8	-0.1%
34.6%	15,372	15,527	156	1.0%
35.8%	15,337	15,406	69	0.5%
37.0%	15,228	15,295	67	0.4%
38.3%	15,213	15,190	-22	-0.1%
39.5%	15,031	15,045	14	0.1%
40.7%	15,014	14,981	-33	-0.2%
42.0%	14,853	14,729	-124	-0.8%
43.2%	14,782	14,445	-336	-2.3%
44.4%	14,737	14,372	-365	-2.5%
45.7%	14,505	14,353	-151	-1.0%
46.9%	14,330	14,343	13	0.1%
48.1%	13,366	14,322	957	7.2%
49.4%	13,180	14,031	852	6.5%
50.6%	13,055	13,906	851	6.5%
51.9%	12,980	13,666	685	5.3%
53.1%	12,940	13,321	382	2.9%
54.3%	12,874	13,263	389	3.0%
55.6%	12,866	13,195	329	2.6%
56.8%	12,556	13,099	543	4.3%
58.0%	12,345	13,064	719	5.8%
59.3%	12,269	13,007	738	6.0%
60.5%	11,705	12,288	584	5.0%
61.7%	11,561	12,214	653	5.6%
63.0%	11,389	12,179	790	6.9%
64.2%	11,385	12,137	752	6.6%
65.4%	11,328	11,921	593	5.2%
66.7%	11,256	11,905	649	5.8%
67.9%	10,813	11,765	952	8.8%
69.1%	10,739	11,761	1,023	9.5%
70.4%	10,634	11,716	1,082	10.2%
71.6%	10,574	11,421	847	8.0%
72.8%	10,370	11,336	966	9.3%
74.1%	10,139	11,071	932	9.2%
75.3%	9,940	11,028	1,088	10.9%
76.5%	9,922	10,555	634	6.4%
77.8%	9,484	9,939	455	4.8%
79.0%	9,336	9,783	446	4.8%
80.2%	8,575	9,555	980	11.4%
81.5%	8,321	9,277	955	11.5%
82.7%	8,103	9,069	966	11.9%
84.0%	8,060	8,955	894	11.1%
85.2%	7,960	8,948	988	12.4%
86.4%	7,933	8,822	890	11.2%
87.7%	7,860	8,306	446	5.7%
88.9%	7,377	8,225	848	11.5%
90.1%	7,252	7,955	702	9.7%
91.4%	7,157	7,421	264	3.7%
92.6%	6,778	7,020	241	3.6%
93.8%	6,588	6,941	353	5.4%
95.1%	6,457	6,789	331	5.1%
96.3%	6,452	6,437	-15	-0.2%
97.5%	6,384	6,386	3	0.0%
98.8%	6,361	6,384	23	0.4%
100.0%	6,314	6,315	1	0.0%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,196	81,176	-20	0.0%
1.2%	78,525	78,279	-246	-0.3%
2.5%	73,595	73,262	-333	-0.5%
3.7%	70,488	70,077	-410	-0.6%
4.9%	67,004	66,695	-309	-0.5%
6.2%	62,836	61,662	-1,175	-1.9%
7.4%	60,931	56,264	-4,666	-7.7%
8.6%	56,510	55,305	-1,205	-2.1%
9.9%	55,196	54,746	-450	-0.8%
11.1%	54,593	53,728	-865	-1.6%
12.3%	43,867	43,524	-343	-0.8%
13.6%	43,847	42,891	-955	-2.2%
14.8%	38,544	37,563	-981	-2.5%
16.0%	38,067	35,307	-2,760	-7.3%
17.3%	36,965	32,736	-4,229	-11.4%
18.5%	34,576	32,700	-1,876	-5.4%
19.8%	33,974	30,332	-3,642	-10.7%
21.0%	32,640	29,453	-3,187	-9.8%
22.2%	32,088	28,911	-3,177	-9.9%
23.5%	28,930	27,902	-1,028	-3.6%
24.7%	28,861	27,679	-1,182	-4.1%
25.9%	26,999	25,204	-1,795	-6.6%
27.2%	25,715	22,471	-3,244	-12.6%
28.4%	24,942	21,250	-3,692	-14.8%
29.6%	23,359	21,191	-2,168	-9.3%
30.9%	22,445	20,486	-1,958	-8.7%
32.1%	22,092	20,344	-1,748	-7.9%
33.3%	21,367	20,113	-1,254	-5.9%
34.6%	20,585	19,461	-1,124	-5.5%
35.8%	20,437	19,274	-1,163	-5.7%
37.0%	20,322	18,700	-1,622	-8.0%
38.3%	19,121	18,683	-438	-2.3%
39.5%	18,994	17,871	-1,123	-5.9%
40.7%	18,413	17,742	-671	-3.6%
42.0%	18,165	17,015	-1,150	-6.3%
43.2%	17,933	16,899	-1,034	-5.8%
44.4%	17,548	16,177	-1,371	-7.8%
45.7%	17,538	16,153	-1,385	-7.9%
46.9%	17,476	16,037	-1,440	-8.2%
48.1%	17,362	15,862	-1,500	-8.6%
49.4%	17,259	15,678	-1,582	-9.2%
50.6%	17,235	15,474	-1,760	-10.2%
51.9%	17,130	15,307	-1,824	-10.6%
53.1%	16,499	15,260	-1,239	-7.5%
54.3%	15,376	15,205	-171	-1.1%
55.6%	15,171	15,015	-155	-1.0%
56.8%	15,120	14,753	-366	-2.4%
58.0%	15,077	14,619	-458	-3.0%
59.3%	15,069	14,603	-466	-3.1%
60.5%	14,670	14,595	-75	-0.5%
61.7%	14,551	14,179	-372	-2.6%
63.0%	14,544	14,167	-377	-2.6%
64.2%	14,428	14,049	-380	-2.6%
65.4%	14,276	13,875	-400	-2.8%
66.7%	14,198	13,820	-378	-2.7%
67.9%	13,454	13,392	-62	-0.5%
69.1%	13,258	13,383	124	0.9%
70.4%	13,258	13,070	-188	-1.4%
71.6%	12,946	13,063	117	0.9%
72.8%	12,488	13,006	518	4.1%
74.1%	12,357	12,914	557	4.5%
75.3%	10,969	12,292	1,323	12.1%
76.5%	10,742	12,008	1,266	11.8%
77.8%	10,645	11,658	1,013	9.5%
79.0%	10,609	10,868	259	2.4%
80.2%	10,568	10,711	143	1.4%
81.5%	10,539	10,599	60	0.6%
82.7%	10,500	10,584	84	0.8%
84.0%	10,488	10,533	46	0.4%
85.2%	10,005	10,474	469	4.7%
86.4%	9,602	10,416	814	8.5%
87.7%	9,587	10,340	754	7.9%
88.9%	9,407	10,201	795	8.4%
90.1%	9,263	9,888	626	6.8%
91.4%	9,129	9,653	524	5.7%
92.6%	8,503	9,478	975	11.5%
93.8%	8,345	9,242	897	10.7%
95.1%	8,045	9,119	1,074	13.4%
96.3%	7,792	9,099	1,307	16.8%
97.5%	6,967	8,014	1,047	15.0%
98.8%	6,939	7,288	349	5.0%
100.0%	6,782	7,190	408	6.0%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	81,299	81,092	-207	-0.3%
1.2%	80,473	80,408	-66	-0.1%
2.5%	79,509	79,721	213	0.3%
3.7%	77,859	77,835	-24	0.0%
4.9%	77,525	77,513	-12	0.0%
6.2%	76,582	76,552	-30	0.0%
7.4%	76,554	76,174	-380	-0.5%
8.6%	72,595	71,744	-851	-1.2%
9.9%	71,554	71,097	-458	-0.6%
11.1%	70,873	70,857	-16	0.0%
12.3%	70,683	70,783	100	0.1%
13.6%	69,335	69,251	-84	-0.1%
14.8%	69,321	67,910	-1,411	-2.0%
16.0%	68,303	67,375	-928	-1.4%
17.3%	67,725	66,365	-1,360	-2.0%
18.5%	66,202	65,618	-584	-0.9%
19.8%	63,570	63,620	49	0.1%
21.0%	63,010	63,172	162	0.3%
22.2%	62,916	61,015	-1,901	-3.0%
23.5%	60,531	59,903	-628	-1.0%
24.7%	60,146	59,270	-876	-1.5%
25.9%	58,780	57,677	-1,103	-1.9%
27.2%	54,654	53,086	-1,568	-2.9%
28.4%	50,404	50,292	-112	-0.2%
29.6%	46,449	45,252	-1,196	-2.6%
30.9%	45,078	44,755	-324	-0.7%
32.1%	44,147	44,396	249	0.6%
33.3%	43,499	42,363	-1,136	-2.6%
34.6%	37,887	34,817	-3,071	-8.1%
35.8%	36,618	34,407	-2,210	-6.0%
37.0%	36,527	34,265	-2,262	-6.2%
38.3%	35,438	33,678	-1,760	-5.0%
39.5%	35,146	31,654	-3,491	-9.9%
40.7%	35,132	31,646	-3,487	-9.9%
42.0%	34,335	31,327	-3,008	-8.8%
43.2%	33,195	30,142	-3,053	-9.2%
44.4%	31,988	30,079	-1,909	-6.0%
45.7%	30,705	26,549	-4,157	-13.5%
46.9%	29,332	25,914	-3,417	-11.7%
48.1%	29,035	24,823	-4,211	-14.5%
49.4%	25,888	22,599	-3,288	-12.7%
50.6%	25,329	21,167	-4,162	-16.4%
51.9%	23,925	21,076	-2,848	-11.9%
53.1%	23,784	20,325	-3,459	-14.5%
54.3%	23,613	20,131	-3,482	-14.7%
55.6%	23,065	18,607	-4,459	-19.3%
56.8%	22,368	18,274	-4,095	-18.3%
58.0%	22,116	18,072	-4,044	-18.3%
59.3%	21,910	18,057	-3,854	-17.6%
60.5%	20,507	17,138	-3,369	-16.4%
61.7%	20,019	16,978	-3,041	-15.2%
63.0%	19,361	16,556	-2,804	-14.5%
64.2%	19,159	16,347	-2,812	-14.7%
65.4%	18,195	15,420	-2,775	-15.3%
66.7%	17,972	15,108	-2,865	-15.9%
67.9%	17,667	15,020	-2,647	-15.0%
69.1%	16,526	15,016	-1,510	-9.1%
70.4%	16,346	15,011	-1,336	-8.2%
71.6%	15,392	14,997	-395	-2.6%
72.8%	15,274	14,969	-305	-2.0%
74.1%	15,241	14,968	-273	-1.8%
75.3%	15,213	14,917	-296	-1.9%
76.5%	14,886	14,890	5	0.0%
77.8%	14,818	14,821	3	0.0%
79.0%	14,296	14,347	50	0.4%
80.2%	14,176	13,959	-217	-1.5%
81.5%	13,645	13,436	-210	-1.5%
82.7%	13,491	13,327	-163	-1.2%
84.0%	13,488	13,293	-195	-1.4%
85.2%	13,115	13,103	-12	-0.1%
86.4%	12,944	13,065	120	0.9%
87.7%	12,915	13,004	89	0.7%
88.9%	12,704	12,725	21	0.2%
90.1%	12,311	12,398	87	0.7%
91.4%	11,928	11,818	-109	-0.9%
92.6%	11,721	11,765	44	0.4%
93.8%	11,356	11,367	11	0.1%
95.1%	11,300	11,295	-5	0.0%
96.3%	10,762	11,187	426	4.0%
97.5%	10,732	10,905	173	1.6%
98.8%	9,420	10,118	698	7.4%
100.0%	6,889	6,957	68	1.0%

Table SW-17-b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	82,108	82,095	-13	0.0%
1.2%	82,073	82,046	-27	0.0%
2.5%	81,782	81,787	4	0.0%
3.7%	81,631	81,578	-53	-0.1%
4.9%	79,859	79,889	30	0.0%
6.2%	79,513	79,543	30	0.0%
7.4%	78,399	78,372	-27	0.0%
8.6%	76,988	77,100	113	0.1%
9.9%	76,479	76,551	72	0.1%
11.1%	75,287	74,949	-338	-0.4%
12.3%	74,720	74,735	15	0.0%
13.6%	74,341	74,124	-217	-0.3%
14.8%	73,623	73,679	56	0.1%
16.0%	73,433	73,426	-7	0.0%
17.3%	73,223	72,357	-866	-1.2%
18.5%	71,516	71,311	-205	-0.3%
19.8%	71,209	70,800	-409	-0.6%
21.0%	69,073	68,356	-717	-1.0%
22.2%	68,665	67,696	-970	-1.4%
23.5%	67,467	65,982	-1,484	-2.2%
24.7%	67,178	65,907	-1,271	-1.9%
25.9%	64,802	64,796	-6	0.0%
27.2%	64,618	64,384	-234	-0.4%
28.4%	64,608	63,453	-1,154	-1.8%
29.6%	63,831	62,806	-1,025	-1.6%
30.9%	57,254	56,295	-959	-1.7%
32.1%	56,899	55,320	-1,579	-2.8%
33.3%	53,947	53,893	-54	-0.1%
34.6%	53,190	53,254	64	0.1%
35.8%	52,593	52,312	-281	-0.5%
37.0%	51,690	51,406	-284	-0.5%
38.3%	51,380	51,277	-103	-0.2%
39.5%	51,203	49,559	-1,644	-3.2%
40.7%	49,645	48,510	-1,135	-2.3%
42.0%	49,590	46,106	-3,484	-7.0%
43.2%	48,636	45,601	-3,035	-6.2%
44.4%	46,451	45,444	-1,008	-2.2%
45.7%	44,431	44,598	167	0.4%
46.9%	43,988	44,444	456	1.0%
48.1%	42,690	43,592	902	2.1%
49.4%	41,146	39,329	-1,817	-4.4%
50.6%	37,820	35,324	-2,496	-6.6%
51.9%	36,874	34,260	-2,613	-7.1%
53.1%	35,825	33,576	-2,250	-6.3%
54.3%	34,288	29,468	-4,819	-14.1%
55.6%	32,817	29,145	-3,671	-11.2%
56.8%	32,223	28,037	-4,186	-13.0%
58.0%	30,191	27,730	-2,462	-8.2%
59.3%	29,046	25,358	-3,688	-12.7%
60.5%	28,088	25,290	-2,798	-10.0%
61.7%	27,185	25,071	-2,114	-7.8%
63.0%	26,514	24,761	-1,754	-6.6%
64.2%	26,495	24,062	-2,432	-9.2%
65.4%	25,659	23,486	-2,173	-8.5%
66.7%	25,536	23,047	-2,489	-9.7%
67.9%	25,115	22,638	-2,477	-9.9%
69.1%	23,704	22,258	-1,446	-6.1%
70.4%	23,235	22,100	-1,135	-4.9%
71.6%	22,956	21,895	-1,061	-4.6%
72.8%	22,880	21,485	-1,395	-6.1%
74.1%	22,535	21,045	-1,491	-6.6%
75.3%	22,041	20,757	-1,284	-5.8%
76.5%	20,905	19,770	-1,135	-5.4%
77.8%	20,676	18,924	-1,753	-8.5%
79.0%	20,345	17,475	-2,869	-14.1%
80.2%	19,966	17,156	-2,810	-14.1%
81.5%	18,882	17,055	-1,828	-9.7%
82.7%	17,205	16,012	-1,193	-6.9%
84.0%	17,009	15,842	-1,166	-6.9%
85.2%	16,818	15,576	-1,242	-7.4%
86.4%	16,591	15,514	-1,077	-6.5%
87.7%	16,276	15,427	-850	-5.2%
88.9%	16,143	15,079	-1,064	-6.6%
90.1%	16,075	14,540	-1,536	-9.6%
91.4%	15,586	14,399	-1,186	-7.6%
92.6%	14,485	14,324	-161	-1.1%
93.8%	14,270	13,886	-384	-2.7%
95.1%	14,047	13,758	-288	-2.1%
96.3%	13,786	13,715	-72	-0.5%
97.5%	10,789	13,699	2,910	27.0%
98.8%	10,318	12,367	2,049	19.9%
100.0%	7,199	8,922	1,723	23.9%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	79,996	79,983	-12	0.0%
1.2%	77,364	76,987	-378	-0.5%
2.5%	76,991	76,784	-208	-0.3%
3.7%	76,917	76,756	-161	-0.2%
4.9%	76,855	76,492	-363	-0.5%
6.2%	75,327	75,328	1	0.0%
7.4%	73,420	72,890	-530	-0.7%
8.6%	67,249	67,252	3	0.0%
9.9%	66,639	66,534	-105	-0.2%
11.1%	65,997	64,620	-1,377	-2.1%
12.3%	64,617	64,239	-378	-0.6%
13.6%	63,952	63,751	-201	-0.3%
14.8%	63,170	63,166	-3	0.0%
16.0%	63,022	63,025	3	0.0%
17.3%	60,801	59,311	-1,491	-2.5%
18.5%	59,017	59,169	152	0.3%
19.8%	58,718	58,719	1	0.0%
21.0%	58,396	58,391	-6	0.0%
22.2%	56,016	56,002	-14	0.0%
23.5%	55,419	54,824	-595	-1.1%
24.7%	55,137	53,230	-1,907	-3.5%
25.9%	52,385	49,867	-2,517	-4.8%
27.2%	52,046	49,376	-2,669	-5.1%
28.4%	50,478	48,807	-1,671	-3.3%
29.6%	50,473	47,060	-3,413	-6.8%
30.9%	48,936	46,261	-2,675	-5.5%
32.1%	47,490	46,168	-1,322	-2.8%
33.3%	45,908	43,674	-2,234	-4.9%
34.6%	44,368	42,576	-1,793	-4.0%
35.8%	44,173	42,021	-2,152	-4.9%
37.0%	43,577	41,008	-2,569	-5.9%
38.3%	42,912	39,178	-3,734	-8.7%
39.5%	38,819	38,651	-168	-0.4%
40.7%	38,520	38,004	-517	-1.3%
42.0%	35,465	34,929	-536	-1.5%
43.2%	35,346	33,377	-1,969	-5.6%
44.4%	34,384	30,862	-3,521	-10.2%
45.7%	33,772	30,713	-3,060	-9.1%
46.9%	33,422	30,312	-3,110	-9.3%
48.1%	32,765	27,331	-5,433	-16.6%
49.4%	30,843	26,731	-4,112	-13.3%
50.6%	28,014	26,218	-1,795	-6.4%
51.9%	27,012	25,228	-1,784	-6.6%
53.1%	26,791	22,739	-4,052	-15.1%
54.3%	26,728	22,493	-4,234	-15.8%
55.6%	25,474	22,195	-3,279	-12.9%
56.8%	23,772	21,943	-1,829	-7.7%
58.0%	23,329	21,450	-1,880	-8.1%
59.3%	23,223	21,385	-1,838	-7.9%
60.5%	22,662	21,371	-1,292	-5.7%
61.7%	22,024	21,248	-776	-3.5%
63.0%	21,490	21,005	-485	-2.3%
64.2%	21,327	20,874	-453	-2.1%
65.4%	21,218	20,668	-550	-2.6%
66.7%	21,122	19,273	-1,850	-8.8%
67.9%	20,888	19,124	-1,764	-8.4%
69.1%	19,986	18,833	-1,152	-5.8%
70.4%	19,217	18,501	-716	-3.7%
71.6%	19,051	18,355	-696	-3.7%
72.8%	18,615	18,192	-423	-2.3%
74.1%	18,085	17,060	-1,025	-5.7%
75.3%	18,084	16,663	-1,421	-7.9%
76.5%	18,080	16,181	-1,899	-10.5%
77.8%	17,581	15,909	-1,672	-9.5%
79.0%	16,992	15,269	-1,723	-10.1%
80.2%	15,833	14,926	-908	-5.7%
81.5%	15,489	14,351	-1,137	-7.3%
82.7%	14,707	14,147	-560	-3.8%
84.0%	14,453	14,098	-355	-2.5%
85.2%	14,287	13,595	-692	-4.8%
86.4%	13,735	13,325	-410	-3.0%
87.7%	13,345	13,104	-241	-1.8%
88.9%	12,654	13,088	433	3.4%
90.1%	12,338	13,057	719	5.8%
91.4%	12,322	12,630	308	2.5%
92.6%	11,737	12,150	413	3.5%
93.8%	11,643	11,707	64	0.5%
95.1%	11,282	11,517	234	2.1%
96.3%	10,780	11,365	584	5.4%
97.5%	10,643	10,987	344	3.2%
98.8%	8,752	9,016	264	3.0%
100.0%	8,684	8,498	-186	-2.1%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,071	77,978	-93	-0.1%
1.2%	77,807	77,799	-8	0.0%
2.5%	69,486	69,002	-484	-0.7%
3.7%	55,157	54,729	-428	-0.8%
4.9%	53,520	53,516	-5	0.0%
6.2%	52,111	51,956	-155	-0.3%
7.4%	51,288	51,222	-66	-0.1%
8.6%	51,122	49,588	-1,534	-3.0%
9.9%	49,616	48,635	-981	-2.0%
11.1%	48,426	48,448	22	0.0%
12.3%	40,423	37,444	-2,979	-7.4%
13.6%	32,755	32,132	-624	-1.9%
14.8%	31,838	31,201	-637	-2.0%
16.0%	31,303	29,196	-2,108	-6.7%
17.3%	30,903	28,854	-2,049	-6.6%
18.5%	28,874	28,275	-599	-2.1%
19.8%	27,889	26,050	-1,839	-6.6%
21.0%	26,483	25,285	-1,198	-4.5%
22.2%	25,471	25,032	-439	-1.7%
23.5%	23,906	23,742	-164	-0.7%
24.7%	23,740	22,819	-921	-3.9%
25.9%	22,922	21,588	-1,334	-5.8%
27.2%	21,308	21,314	5	0.0%
28.4%	20,996	20,575	-422	-2.0%
29.6%	20,558	20,327	-231	-1.1%
30.9%	20,171	19,578	-593	-2.9%
32.1%	19,002	19,531	529	2.8%
33.3%	18,893	18,832	-61	-0.3%
34.6%	17,685	16,987	-698	-3.9%
35.8%	16,547	16,848	301	1.8%
37.0%	16,500	16,520	20	0.1%
38.3%	16,493	16,453	-40	-0.2%
39.5%	16,147	16,288	141	0.9%
40.7%	15,951	16,265	314	2.0%
42.0%	15,947	16,016	69	0.4%
43.2%	15,938	15,839	-99	-0.6%
44.4%	15,485	15,087	-398	-2.6%
45.7%	15,390	14,516	-874	-5.7%
46.9%	14,627	14,222	-406	-2.8%
48.1%	14,119	14,003	-116	-0.8%
49.4%	14,087	13,405	-683	-4.8%
50.6%	13,507	13,373	-133	-1.0%
51.9%	13,483	13,288	-194	-1.4%
53.1%	13,457	13,090	-368	-2.7%
54.3%	13,147	13,089	-58	-0.4%
55.6%	12,779	13,086	308	2.4%
56.8%	12,593	13,064	471	3.7%
58.0%	12,518	13,061	543	4.3%
59.3%	12,344	12,727	384	3.1%
60.5%	12,274	12,154	-120	-1.0%
61.7%	12,237	12,108	-130	-1.1%
63.0%	12,165	12,057	-108	-0.9%
64.2%	12,154	12,043	-111	-0.9%
65.4%	12,072	12,033	-40	-0.3%
66.7%	12,043	12,011	-32	-0.3%
67.9%	11,788	11,962	174	1.5%
69.1%	11,476	11,763	287	2.5%
70.4%	11,440	11,512	72	0.6%
71.6%	11,395	11,470	75	0.7%
72.8%	11,319	11,216	-103	-0.9%
74.1%	11,308	11,193	-115	-1.0%
75.3%	11,157	11,123	-35	-0.3%
76.5%	10,999	10,984	-15	-0.1%
77.8%	10,955	10,823	-132	-1.2%
79.0%	10,718	10,767	49	0.5%
80.2%	10,108	10,764	657	6.5%
81.5%	10,099	10,550	451	4.5%
82.7%	9,998	10,312	314	3.1%
84.0%	9,972	10,306	334	3.3%
85.2%	9,887	10,289	401	4.1%
86.4%	9,878	9,814	-64	-0.7%
87.7%	9,853	9,813	-40	-0.4%
88.9%	9,815	9,665	-150	-1.5%
90.1%	9,610	9,610	0	0.0%
91.4%	9,331	9,267	-65	-0.7%
92.6%	9,318	9,265	-53	-0.6%
93.8%	9,095	9,168	73	0.8%
95.1%	8,908	8,908	0	0.0%
96.3%	8,739	8,687	-52	-0.6%
97.5%	8,492	8,398	-94	-1.1%
98.8%	8,244	8,348	104	1.3%
100.0%	7,862	8,206	344	4.4%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	40,509	37,778	-2,731	-6.7%
1.2%	28,375	26,571	-1,803	-6.4%
2.5%	23,126	24,405	1,279	5.5%
3.7%	22,188	22,231	43	0.2%
4.9%	21,082	17,855	-3,228	-15.3%
6.2%	18,280	17,593	-687	-3.8%
7.4%	17,852	16,009	-1,844	-10.3%
8.6%	16,050	15,660	-391	-2.4%
9.9%	15,623	15,621	-2	0.0%
11.1%	15,400	15,400	0	0.0%
12.3%	15,354	15,353	-1	0.0%
13.6%	15,275	15,112	-163	-1.1%
14.8%	14,964	15,102	138	0.9%
16.0%	14,270	14,894	624	4.4%
17.3%	13,875	14,170	295	2.1%
18.5%	13,860	13,875	16	0.1%
19.8%	13,580	13,744	163	1.2%
21.0%	13,496	13,607	111	0.8%
22.2%	13,031	13,262	232	1.8%
23.5%	12,894	13,183	288	2.2%
24.7%	12,744	13,171	427	3.4%
25.9%	12,562	13,171	609	4.8%
27.2%	12,527	13,170	643	5.1%
28.4%	12,512	13,161	649	5.2%
29.6%	12,378	13,148	769	6.2%
30.9%	12,289	13,136	847	6.9%
32.1%	12,214	13,129	915	7.5%
33.3%	12,054	13,103	1,050	8.7%
34.6%	12,048	13,102	1,053	8.7%
35.8%	11,949	12,715	767	6.4%
37.0%	11,841	12,301	460	3.9%
38.3%	11,817	12,035	217	1.8%
39.5%	11,658	11,841	183	1.6%
40.7%	11,603	11,815	212	1.8%
42.0%	11,513	11,807	294	2.6%
43.2%	11,498	11,796	299	2.6%
44.4%	11,209	11,651	443	4.0%
45.7%	11,095	11,493	397	3.6%
46.9%	11,012	11,341	330	3.0%
48.1%	11,000	11,296	295	2.7%
49.4%	10,851	11,203	353	3.2%
50.6%	10,841	10,905	64	0.6%
51.9%	10,779	10,861	82	0.8%
53.1%	10,632	10,840	208	2.0%
54.3%	10,472	10,778	306	2.9%
55.6%	10,466	10,394	-72	-0.7%
56.8%	10,346	10,118	-227	-2.2%
58.0%	10,176	9,965	-212	-2.1%
59.3%	10,134	9,914	-220	-2.2%
60.5%	9,959	9,871	-87	-0.9%
61.7%	9,955	9,803	-152	-1.5%
63.0%	9,860	9,723	-137	-1.4%
64.2%	9,801	9,720	-81	-0.8%
65.4%	9,792	9,647	-146	-1.5%
66.7%	9,647	9,521	-126	-1.3%
67.9%	9,565	9,440	-125	-1.3%
69.1%	9,463	9,437	-26	-0.3%
70.4%	9,440	9,379	-61	-0.6%
71.6%	9,437	9,266	-171	-1.8%
72.8%	9,377	9,250	-127	-1.4%
74.1%	9,313	9,214	-100	-1.1%
75.3%	9,206	9,214	8	0.1%
76.5%	9,194	9,163	-30	-0.3%
77.8%	9,133	9,095	-38	-0.4%
79.0%	9,126	9,073	-53	-0.6%
80.2%	9,071	9,050	-21	-0.2%
81.5%	9,019	9,026	8	0.1%
82.7%	8,966	8,966	0	0.0%
84.0%	8,966	8,932	-34	-0.4%
85.2%	8,848	8,850	2	0.0%
86.4%	8,754	8,757	4	0.0%
87.7%	8,751	8,707	-45	-0.5%
88.9%	8,693	8,665	-28	-0.3%
90.1%	8,623	8,603	-20	-0.2%
91.4%	8,097	8,119	22	0.3%
92.6%	8,079	8,084	5	0.1%
93.8%	7,684	7,640	-44	-0.6%
95.1%	7,542	7,321	-221	-2.9%
96.3%	6,922	6,923	2	0.0%
97.5%	6,852	6,622	-230	-3.4%
98.8%	6,328	6,363	35	0.5%
100.0%	5,374	5,355	-19	-0.4%

Table SW-17-b

Sacramento River at Freeport, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,345	25,349	1,003	4.1%
1.2%	19,823	19,349	-474	-2.4%
2.5%	18,902	18,641	-261	-1.4%
3.7%	17,877	17,941	64	0.4%
4.9%	16,914	16,959	45	0.3%
6.2%	16,638	16,252	-387	-2.3%
7.4%	15,821	16,143	322	2.0%
8.6%	15,775	15,774	-1	0.0%
9.9%	15,636	15,652	15	0.1%
11.1%	15,523	15,628	105	0.7%
12.3%	15,449	15,502	53	0.3%
13.6%	15,371	15,322	-49	-0.3%
14.8%	15,313	15,246	-67	-0.4%
16.0%	15,259	15,095	-164	-1.1%
17.3%	15,128	14,945	-183	-1.2%
18.5%	15,040	14,934	-106	-0.7%
19.8%	14,945	14,853	-92	-0.6%
21.0%	14,846	14,657	-188	-1.3%
22.2%	14,638	14,632	-6	0.0%
23.5%	14,561	14,612	51	0.3%
24.7%	14,490	14,593	103	0.7%
25.9%	14,303	14,576	273	1.9%
27.2%	14,226	14,395	169	1.2%
28.4%	14,153	14,197	44	0.3%
29.6%	13,898	14,159	261	1.9%
30.9%	13,897	14,124	228	1.6%
32.1%	13,888	14,099	211	1.5%
33.3%	13,885	14,051	165	1.2%
34.6%	13,850	13,929	79	0.6%
35.8%	13,818	13,898	80	0.6%
37.0%	13,717	13,888	170	1.2%
38.3%	13,708	13,875	168	1.2%
39.5%	13,630	13,865	234	1.7%
40.7%	13,593	13,844	251	1.8%
42.0%	13,417	13,717	300	2.2%
43.2%	13,416	13,714	297	2.2%
44.4%	13,377	13,706	329	2.5%
45.7%	13,284	13,642	358	2.7%
46.9%	13,278	13,603	324	2.4%
48.1%	13,233	13,416	183	1.4%
49.4%	13,191	13,377	186	1.4%
50.6%	13,189	13,306	116	0.9%
51.9%	13,180	13,292	112	0.9%
53.1%	13,158	13,284	126	1.0%
54.3%	13,155	13,279	124	0.9%
55.6%	13,153	13,278	125	1.0%
56.8%	13,086	13,239	153	1.2%
58.0%	12,976	13,234	259	2.0%
59.3%	12,769	13,233	464	3.6%
60.5%	12,657	13,215	558	4.4%
61.7%	12,636	13,213	577	4.6%
63.0%	12,628	13,211	584	4.6%
64.2%	12,411	13,202	791	6.4%
65.4%	12,361	13,200	839	6.8%
66.7%	12,291	13,189	898	7.3%
67.9%	12,276	13,185	908	7.4%
69.1%	12,146	13,168	1,021	8.4%
70.4%	12,036	13,165	1,130	9.4%
71.6%	12,006	13,155	1,149	9.6%
72.8%	11,833	13,153	1,320	11.2%
74.1%	11,787	13,086	1,299	11.0%
75.3%	11,744	12,772	1,029	8.8%
76.5%	11,303	12,628	1,325	11.7%
77.8%	11,243	12,411	1,168	10.4%
79.0%	11,174	12,356	1,182	10.6%
80.2%	11,132	12,257	1,124	10.1%
81.5%	11,100	12,114	1,015	9.1%
82.7%	11,066	12,047	980	8.9%
84.0%	10,994	11,860	866	7.9%
85.2%	10,893	11,743	851	7.8%
86.4%	10,862	11,740	878	8.1%
87.7%	10,705	11,599	894	8.4%
88.9%	10,687	11,226	539	5.0%
90.1%	10,679	11,174	496	4.6%
91.4%	10,649	10,862	213	2.0%
92.6%	10,522	10,780	258	2.5%
93.8%	10,388	10,705	317	3.0%
95.1%	9,924	9,924	0	0.0%
96.3%	8,805	8,850	46	0.5%
97.5%	8,317	8,739	422	5.1%
98.8%	8,174	8,362	188	2.3%
100.0%	7,714	8,300	586	7.6%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,915	25,476	560	2.2%
1.2%	24,536	24,795	259	1.1%
2.5%	24,515	24,546	31	0.1%
3.7%	24,407	24,536	129	0.5%
4.9%	24,323	24,515	192	0.8%
6.2%	24,315	24,362	47	0.2%
7.4%	24,136	24,358	222	0.9%
8.6%	24,069	24,318	250	1.0%
9.9%	24,035	24,155	120	0.5%
11.1%	23,650	24,148	499	2.1%
12.3%	23,614	23,925	310	1.3%
13.6%	23,602	23,876	274	1.2%
14.8%	23,439	23,704	266	1.1%
16.0%	23,200	23,457	257	1.1%
17.3%	23,135	23,400	264	1.1%
18.5%	23,111	23,345	234	1.0%
19.8%	22,867	23,280	414	1.8%
21.0%	22,852	23,146	293	1.3%
22.2%	22,837	23,114	277	1.2%
23.5%	22,812	23,112	300	1.3%
24.7%	22,796	22,995	199	0.9%
25.9%	22,759	22,930	171	0.8%
27.2%	22,749	22,867	118	0.5%
28.4%	22,745	22,859	115	0.5%
29.6%	22,626	22,814	187	0.8%
30.9%	22,626	22,649	23	0.1%
32.1%	22,528	22,620	92	0.4%
33.3%	22,451	22,544	93	0.4%
34.6%	22,435	22,523	88	0.4%
35.8%	22,416	22,461	45	0.2%
37.0%	22,283	22,364	81	0.4%
38.3%	22,050	22,078	28	0.1%
39.5%	22,038	22,077	39	0.2%
40.7%	21,969	22,053	84	0.4%
42.0%	21,643	21,742	99	0.5%
43.2%	21,252	21,631	380	1.8%
44.4%	21,233	21,520	287	1.3%
45.7%	21,139	21,464	325	1.5%
46.9%	21,098	21,459	361	1.7%
48.1%	21,012	21,075	63	0.3%
49.4%	20,451	20,565	114	0.6%
50.6%	20,273	20,409	136	0.7%
51.9%	19,898	20,274	377	1.9%
53.1%	19,570	20,261	691	3.5%
54.3%	19,511	20,261	750	3.8%
55.6%	19,482	20,210	728	3.7%
56.8%	19,447	19,942	495	2.5%
58.0%	19,209	19,866	657	3.4%
59.3%	19,180	19,838	658	3.4%
60.5%	18,999	19,736	737	3.9%
61.7%	18,584	19,213	629	3.4%
63.0%	18,544	18,801	257	1.4%
64.2%	18,362	18,768	407	2.2%
65.4%	18,035	18,704	669	3.7%
66.7%	17,995	18,529	534	3.0%
67.9%	17,584	17,933	348	2.0%
69.1%	17,274	17,925	651	3.8%
70.4%	17,271	17,502	231	1.3%
71.6%	17,132	17,418	286	1.7%
72.8%	17,103	17,212	109	0.6%
74.1%	16,579	17,150	572	3.4%
75.3%	15,148	17,119	1,971	13.0%
76.5%	14,909	17,082	2,174	14.6%
77.8%	14,634	15,540	907	6.2%
79.0%	14,113	15,496	1,384	9.8%
80.2%	13,365	15,440	2,076	15.5%
81.5%	12,786	13,640	854	6.7%
82.7%	12,092	13,346	1,254	10.4%
84.0%	11,914	13,025	1,111	9.3%
85.2%	11,648	12,989	1,341	11.5%
86.4%	11,648	12,834	1,186	10.2%
87.7%	11,265	12,674	1,409	12.5%
88.9%	11,062	12,243	1,181	10.7%
90.1%	10,946	12,183	1,237	11.3%
91.4%	10,322	11,930	1,608	15.6%
92.6%	10,293	10,850	557	5.4%
93.8%	10,133	10,808	674	6.7%
95.1%	9,792	10,402	610	6.2%
96.3%	9,601	10,158	557	5.8%
97.5%	9,542	10,006	464	4.9%
98.8%	9,512	9,940	428	4.5%
100.0%	8,586	9,419	833	9.7%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,019	19,127	-892	-4.5%
1.2%	17,568	17,099	-469	-2.7%
2.5%	17,099	17,044	-55	-0.3%
3.7%	16,918	17,030	111	0.7%
4.9%	16,866	16,866	0	0.0%
6.2%	16,647	16,723	76	0.5%
7.4%	16,616	16,707	90	0.5%
8.6%	16,321	16,617	296	1.8%
9.9%	16,106	16,610	503	3.1%
11.1%	16,104	16,538	434	2.7%
12.3%	16,099	16,537	439	2.7%
13.6%	16,028	16,462	434	2.7%
14.8%	15,965	16,438	474	3.0%
16.0%	15,916	16,427	511	3.2%
17.3%	15,844	16,213	370	2.3%
18.5%	15,788	16,207	418	2.6%
19.8%	15,708	16,126	417	2.7%
21.0%	15,575	16,120	545	3.5%
22.2%	15,482	16,104	622	4.0%
23.5%	15,438	16,100	662	4.3%
24.7%	15,370	15,965	595	3.9%
25.9%	15,296	15,916	620	4.1%
27.2%	15,237	15,853	617	4.0%
28.4%	15,186	15,826	640	4.2%
29.6%	15,180	15,563	383	2.5%
30.9%	15,148	15,537	389	2.6%
32.1%	15,027	15,534	508	3.4%
33.3%	15,017	15,527	509	3.4%
34.6%	14,959	15,455	496	3.3%
35.8%	14,923	15,424	501	3.4%
37.0%	14,791	15,420	629	4.3%
38.3%	14,589	15,418	829	5.7%
39.5%	14,509	15,321	812	5.6%
40.7%	14,499	15,277	778	5.4%
42.0%	14,278	15,237	959	6.7%
43.2%	14,217	15,208	992	7.0%
44.4%	14,096	15,204	1,108	7.9%
45.7%	14,087	15,186	1,099	7.8%
46.9%	14,068	15,172	1,104	7.8%
48.1%	13,982	15,148	1,166	8.3%
49.4%	13,951	15,026	1,075	7.7%
50.6%	13,891	14,994	1,103	7.9%
51.9%	13,888	14,785	897	6.5%
53.1%	13,839	14,768	929	6.7%
54.3%	13,802	14,506	704	5.1%
55.6%	13,696	14,453	756	5.5%
56.8%	13,478	14,421	943	7.0%
58.0%	13,043	14,183	1,139	8.7%
59.3%	12,637	13,993	1,356	10.7%
60.5%	12,587	13,888	1,302	10.3%
61.7%	12,399	13,871	1,473	11.9%
63.0%	12,335	13,836	1,501	12.2%
64.2%	12,154	13,695	1,542	12.7%
65.4%	11,943	13,437	1,493	12.5%
66.7%	11,878	13,402	1,524	12.8%
67.9%	11,529	13,241	1,712	14.8%
69.1%	11,492	13,056	1,564	13.6%
70.4%	11,338	11,811	473	4.2%
71.6%	11,314	11,795	481	4.3%
72.8%	11,125	11,433	307	2.8%
74.1%	11,017	11,305	288	2.6%
75.3%	11,008	11,095	87	0.8%
76.5%	10,895	11,051	155	1.4%
77.8%	10,752	11,043	291	2.7%
79.0%	10,547	10,917	370	3.5%
80.2%	10,373	10,843	470	4.5%
81.5%	10,341	10,832	492	4.8%
82.7%	10,312	10,828	516	5.0%
84.0%	10,206	10,820	614	6.0%
85.2%	10,130	10,623	493	4.9%
86.4%	10,119	10,595	476	4.7%
87.7%	9,897	10,497	600	6.1%
88.9%	9,880	10,426	547	5.5%
90.1%	9,643	10,171	528	5.5%
91.4%	9,411	10,046	636	6.8%
92.6%	9,217	9,978	760	8.2%
93.8%	9,192	9,874	682	7.4%
95.1%	8,876	9,401	525	5.9%
96.3%	8,793	8,809	16	0.2%
97.5%	8,694	8,491	-203	-2.3%
98.8%	8,502	8,415	-87	-1.0%
100.0%	8,412	7,637	-774	-9.2%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	31,999	31,963	-35	-0.1%
1.2%	31,126	31,549	424	1.4%
2.5%	30,676	31,369	693	2.3%
3.7%	30,629	30,920	291	1.0%
4.9%	30,509	30,368	-141	-0.5%
6.2%	29,438	30,011	574	1.9%
7.4%	29,317	29,109	-207	-0.7%
8.6%	29,019	28,942	-77	-0.3%
9.9%	28,825	28,890	65	0.2%
11.1%	28,086	28,805	719	2.6%
12.3%	28,049	28,423	373	1.3%
13.6%	28,026	27,939	-87	-0.3%
14.8%	27,990	27,832	-159	-0.6%
16.0%	27,747	27,703	-44	-0.2%
17.3%	27,705	27,313	-392	-1.4%
18.5%	27,665	27,168	-498	-1.8%
19.8%	27,050	26,953	-97	-0.4%
21.0%	26,112	26,240	127	0.5%
22.2%	25,645	24,806	-839	-3.3%
23.5%	24,795	24,652	-144	-0.6%
24.7%	24,779	23,973	-806	-3.3%
25.9%	24,553	23,930	-623	-2.5%
27.2%	24,262	23,399	-862	-3.6%
28.4%	23,702	23,381	-321	-1.4%
29.6%	23,614	23,201	-413	-1.7%
30.9%	23,537	23,160	-378	-1.6%
32.1%	23,078	22,827	-251	-1.1%
33.3%	22,854	22,812	-42	-0.2%
34.6%	22,369	21,964	-405	-1.8%
35.8%	21,811	21,856	45	0.2%
37.0%	21,251	21,321	70	0.3%
38.3%	19,883	19,859	-24	-0.1%
39.5%	19,842	19,420	-422	-2.1%
40.7%	19,643	18,833	-810	-4.1%
42.0%	19,478	18,764	-714	-3.7%
43.2%	18,790	18,494	-296	-1.6%
44.4%	14,084	15,710	1,625	11.5%
45.7%	13,977	15,428	1,450	10.4%
46.9%	13,191	14,992	1,800	13.6%
48.1%	13,143	14,983	1,840	14.0%
49.4%	12,950	14,708	1,758	13.6%
50.6%	12,533	14,685	2,152	17.2%
51.9%	12,428	14,653	2,226	17.9%
53.1%	12,285	14,442	2,157	17.6%
54.3%	12,237	14,156	1,919	15.7%
55.6%	12,212	13,998	1,786	14.6%
56.8%	12,094	13,835	1,741	14.4%
58.0%	12,059	13,824	1,765	14.6%
59.3%	11,909	13,761	1,852	15.6%
60.5%	11,774	13,699	1,925	16.3%
61.7%	11,764	13,499	1,735	14.8%
63.0%	11,675	13,445	1,770	15.2%
64.2%	11,287	13,408	2,121	18.8%
65.4%	11,192	13,406	2,214	19.8%
66.7%	11,076	13,262	2,186	19.7%
67.9%	10,500	12,743	2,243	21.4%
69.1%	10,402	12,512	2,111	20.3%
70.4%	10,256	11,982	1,725	16.8%
71.6%	9,892	11,944	2,053	20.8%
72.8%	9,640	11,890	2,250	23.3%
74.1%	9,574	11,835	2,261	23.6%
75.3%	9,078	11,661	2,583	28.4%
76.5%	8,898	11,620	2,722	30.6%
77.8%	8,760	11,595	2,835	32.4%
79.0%	8,760	11,592	2,832	32.3%
80.2%	8,661	11,431	2,770	32.0%
81.5%	8,326	11,078	2,752	33.1%
82.7%	7,919	11,017	3,098	39.1%
84.0%	7,742	10,791	3,049	39.4%
85.2%	7,650	10,552	2,902	37.9%
86.4%	7,588	10,445	2,858	37.7%
87.7%	7,585	10,269	2,684	35.4%
88.9%	7,436	9,555	2,119	28.5%
90.1%	7,354	8,980	1,626	22.1%
91.4%	7,261	8,935	1,675	23.1%
92.6%	7,064	8,349	1,285	18.2%
93.8%	7,009	8,308	1,299	18.5%
95.1%	6,646	8,214	1,568	23.6%
96.3%	6,609	7,963	1,354	20.5%
97.5%	6,429	7,885	1,456	22.7%
98.8%	6,369	7,134	764	12.0%
100.0%	6,310	6,652	342	5.4%

Figure SW-18-b
Lake Oroville, End of Month Storage
Probability of Exceedance

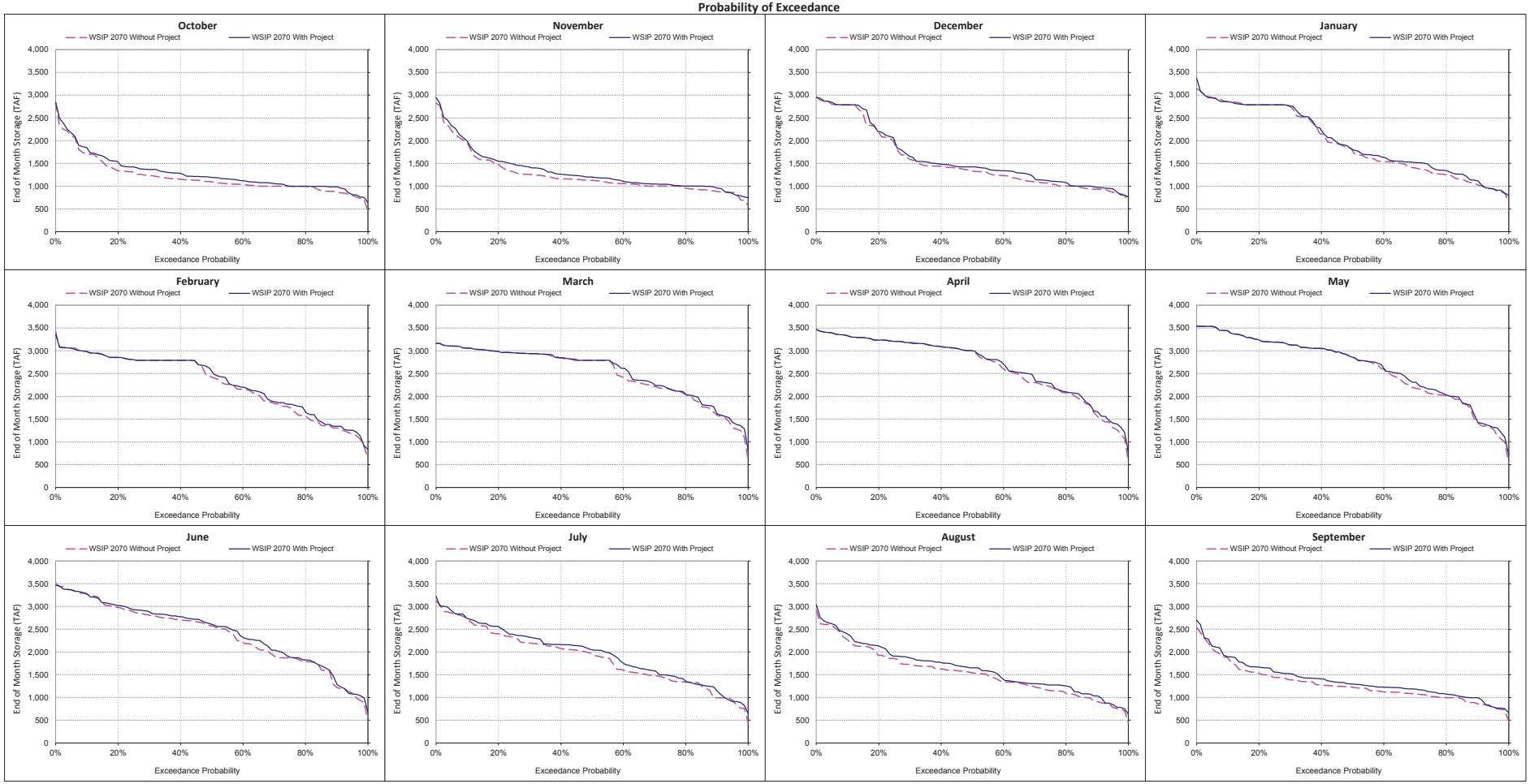


Table SW-18-b

Lake Oroville, End of Month Storage

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,839	2,839	0	0.0%
1.2%	2,323	2,483	160	6.9%
2.5%	2,250	2,383	133	5.9%
3.7%	2,212	2,250	38	1.7%
4.9%	2,108	2,176	68	3.2%
6.2%	2,072	2,095	22	1.1%
7.4%	1,805	1,892	87	4.8%
8.6%	1,741	1,869	128	7.3%
9.9%	1,711	1,844	134	7.8%
11.1%	1,702	1,730	28	1.6%
12.3%	1,694	1,719	25	1.5%
13.6%	1,611	1,684	73	4.6%
14.8%	1,549	1,672	122	7.9%
16.0%	1,457	1,621	165	11.3%
17.3%	1,425	1,561	136	9.5%
18.5%	1,386	1,558	171	12.4%
19.8%	1,342	1,547	204	15.2%
21.0%	1,330	1,446	116	8.7%
22.2%	1,328	1,431	103	7.7%
23.5%	1,316	1,426	110	8.4%
24.7%	1,314	1,423	109	8.3%
25.9%	1,262	1,407	145	11.5%
27.2%	1,261	1,381	120	9.5%
28.4%	1,247	1,375	128	10.3%
29.6%	1,234	1,368	135	10.9%
30.9%	1,231	1,368	137	11.2%
32.1%	1,215	1,366	150	12.4%
33.3%	1,204	1,331	127	10.5%
34.6%	1,192	1,315	124	10.4%
35.8%	1,177	1,306	129	10.9%
37.0%	1,167	1,294	127	10.9%
38.3%	1,158	1,289	131	11.3%
39.5%	1,156	1,288	132	11.4%
40.7%	1,147	1,263	116	10.1%
42.0%	1,139	1,219	80	7.0%
43.2%	1,136	1,217	81	7.1%
44.4%	1,131	1,216	85	7.5%
45.7%	1,130	1,215	85	7.5%
46.9%	1,115	1,208	92	8.3%
48.1%	1,103	1,204	101	9.2%
49.4%	1,101	1,197	96	8.7%
50.6%	1,087	1,189	102	9.4%
51.9%	1,070	1,183	113	10.6%
53.1%	1,067	1,168	101	9.5%
54.3%	1,057	1,164	107	10.1%
55.6%	1,052	1,158	107	10.1%
56.8%	1,043	1,149	106	10.2%
58.0%	1,043	1,139	96	9.2%
59.3%	1,040	1,122	83	7.9%
60.5%	1,037	1,115	78	7.5%
61.7%	1,018	1,100	82	8.0%
63.0%	1,018	1,091	73	7.2%
64.2%	1,004	1,086	82	8.2%
65.4%	999	1,079	80	8.0%
66.7%	999	1,075	76	7.6%
67.9%	998	1,074	75	7.5%
69.1%	998	1,066	68	6.8%
70.4%	998	1,052	54	5.4%
71.6%	998	1,045	47	4.7%
72.8%	998	1,040	42	4.2%
74.1%	998	1,010	12	1.2%
75.3%	998	998	1	0.1%
76.5%	998	998	1	0.1%
77.8%	998	998	1	0.1%
79.0%	998	998	0	0.0%
80.2%	998	998	1	0.1%
81.5%	976	998	21	2.2%
82.7%	973	998	25	2.5%
84.0%	929	998	69	7.4%
85.2%	897	998	101	11.2%
86.4%	889	998	109	12.2%
87.7%	885	986	100	11.4%
88.9%	885	983	98	11.1%
90.1%	874	982	108	12.4%
91.4%	851	954	104	12.2%
92.6%	846	940	93	11.0%
93.8%	825	855	30	3.6%
95.1%	796	812	16	2.0%
96.3%	761	806	45	5.9%
97.5%	729	761	32	4.3%
98.8%	707	751	44	6.3%
100.0%	451	645	193	42.8%

November				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,821	2,946	125	4.4%
1.2%	2,776	2,820	45	1.6%
2.5%	2,401	2,512	111	4.6%
3.7%	2,352	2,453	101	4.3%
4.9%	2,220	2,324	104	4.7%
6.2%	2,128	2,267	139	6.5%
7.4%	2,067	2,139	73	3.5%
8.6%	2,014	2,067	52	2.6%
9.9%	1,968	2,001	33	1.7%
11.1%	1,797	1,856	59	3.3%
12.3%	1,658	1,760	102	6.2%
13.6%	1,597	1,706	109	6.8%
14.8%	1,578	1,644	66	4.2%
16.0%	1,576	1,637	61	3.9%
17.3%	1,571	1,613	42	2.6%
18.5%	1,507	1,590	83	5.5%
19.8%	1,494	1,548	54	3.6%
21.0%	1,423	1,546	123	8.6%
22.2%	1,368	1,528	160	11.7%
23.5%	1,339	1,506	166	12.4%
24.7%	1,318	1,486	168	12.7%
25.9%	1,282	1,458	176	13.7%
27.2%	1,268	1,452	184	14.5%
28.4%	1,260	1,436	176	13.9%
29.6%	1,259	1,424	165	13.1%
30.9%	1,255	1,402	147	11.7%
32.1%	1,240	1,400	160	12.9%
33.3%	1,239	1,392	153	12.3%
34.6%	1,223	1,365	142	11.6%
35.8%	1,212	1,311	99	8.2%
37.0%	1,191	1,308	117	9.8%
38.3%	1,169	1,276	107	9.1%
39.5%	1,166	1,264	97	8.4%
40.7%	1,160	1,259	99	8.6%
42.0%	1,159	1,250	91	7.8%
43.2%	1,157	1,239	82	7.0%
44.4%	1,148	1,238	90	7.8%
45.7%	1,148	1,231	83	7.2%
46.9%	1,138	1,219	81	7.1%
48.1%	1,134	1,204	70	6.2%
49.4%	1,127	1,200	73	6.5%
50.6%	1,124	1,199	75	6.7%
51.9%	1,117	1,184	67	6.0%
53.1%	1,110	1,180	70	6.3%
54.3%	1,089	1,179	91	8.3%
55.6%	1,073	1,171	98	9.1%
56.8%	1,065	1,152	87	8.2%
58.0%	1,062	1,139	77	7.2%
59.3%	1,057	1,120	63	5.9%
60.5%	1,056	1,100	44	4.2%
61.7%	1,051	1,087	36	3.5%
63.0%	1,043	1,077	34	3.3%
64.2%	1,042	1,077	34	3.3%
65.4%	1,016	1,064	48	4.8%
66.7%	1,009	1,055	46	4.6%
67.9%	1,001	1,055	54	5.3%
69.1%	1,001	1,046	45	4.5%
70.4%	1,001	1,045	44	4.4%
71.6%	1,001	1,043	42	4.2%
72.8%	1,001	1,040	39	3.9%
74.1%	1,001	1,040	39	3.9%
75.3%	1,001	1,028	26	2.6%
76.5%	1,000	1,013	13	1.3%
77.8%	1,000	1,012	12	1.2%
79.0%	972	1,002	30	3.1%
80.2%	953	1,001	48	5.0%
81.5%	941	1,001	60	6.4%
82.7%	933	1,001	68	7.3%
84.0%	928	1,001	73	7.8%
85.2%	920	1,001	80	8.7%
86.4%	918	999	80	8.7%
87.7%	910	997	87	9.6%
88.9%	896	984	87	9.7%
90.1%	883	957	73	8.3%
91.4%	872	943	70	8.1%
92.6%	866	878	12	1.4%
93.8%	861	862	2	0.2%
95.1%	859	838	-21	-2.4%
96.3%	855	794	-61	-7.1%
97.5%	697	793	96	13.7%
98.8%	688	762	74	10.7%
100.0%	569	744	175	30.8%

December				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,956	2,955	-1	0.0%
1.2%	2,894	2,930	36	1.2%
2.5%	2,867	2,867	0	0.0%
3.7%	2,866	2,866	0	0.0%
4.9%	2,800	2,844	44	1.6%
6.2%	2,788	2,800	12	0.4%
7.4%	2,788	2,788	0	0.0%
8.6%	2,788	2,788	0	0.0%
9.9%	2,788	2,788	0	0.0%
11.1%	2,788	2,788	0	0.0%
12.3%	2,788	2,788	0	0.0%
13.6%	2,684	2,775	91	3.4%
14.8%	2,625	2,705	80	3.0%
16.0%	2,340	2,675	335	14.3%
17.3%	2,336	2,395	60	2.6%
18.5%	2,318	2,336	17	0.7%
19.8%	2,203	2,203	0	0.0%
21.0%	2,083	2,186	103	4.9%
22.2%	2,075	2,123	48	2.3%
23.5%	2,057	2,090	33	1.6%
24.7%	1,991	2,069	78	3.9%
25.9%	1,789	1,837	48	2.7%
27.2%	1,692	1,803	112	6.6%
28.4%	1,681	1,730	50	3.0%
29.6%	1,602	1,664	62	3.9%
30.9%	1,571	1,637	67	4.2%
32.1%	1,564	1,547	-17	-1.1%
33.3%	1,485	1,543	58	3.9%
34.6%	1,455	1,537	83	5.7%
35.8%	1,442	1,525	83	5.8%
37.0%	1,442	1,506	64	4.5%
38.3%	1,440	1,501	61	4.2%
39.5%	1,439	1,486	47	3.3%
40.7%	1,437	1,478	41	2.9%
42.0%	1,412	1,473	61	4.3%
43.2%	1,411	1,456	46	3.2%
44.4%	1,399	1,433	34	2.4%
45.7%	1,389	1,425	36	2.6%
46.9%	1,375	1,424	49	3.6%
48.1%	1,361	1,424	63	4.7%
49.4%	1,352	1,424	72	5.3%
50.6%	1,323	1,422	99	7.5%
51.9%	1,321	1,412	91	6.9%
53.1%	1,314	1,403	88	6.7%
54.3%	1,310	1,397	87	6.7%
55.6%	1,270	1,364	94	7.4%
56.8%	1,246	1,352	106	8.5%
58.0%	1,243	1,343	100	8.1%
59.3%	1,235	1,339	104	8.4%
60.5%	1,233	1,336	103	8.4%
61.7%	1,217	1,336	119	9.8%
63.0%	1,182	1,327	145	12.3%
64.2%	1,171	1,295	124	10.6%
65.4%	1,145	1,286	141	12.3%
66.7%	1,119	1,283	164	14.6%
67.9%	1,112	1,264	152	13.7%
69.1%	1,101	1,228	127	11.6%
70.4%	1,087	1,139	52	4.8%
71.6%	1,085	1,137	52	4.8%
72.8%	1,071	1,132	62	5.8%
74.1%	1,069	1,120	51	4.7%
75.3%	1,042	1,108	66	6.3%
76.5%	1,034	1,102	68	6.5%
77.8%	1,002	1,100	98	9.8%
79.0%	1,002	1,096	93	9.3%
80.2%	1,002	1,072	70	7.0%
81.5%	1,002	1,010	8	0.8%
82.7%	1,001	1,002	1	0.1%
84.0%	989	1,002	13	1.3%
85.2%	966	1,002	36	3.8%
86.4%	949	1,002	53	5.6%
87.7%	947	1,002	56	5.9%
88.9%	933	983	49	5.3%
90.1%	933	973	41	4.4%
91.4%	932	968	36	3.8%
92.6%	927	957	30	3.2%
93.8%	892	952	61	6.8%
95.1%	867	940	73	8.5%
96.3%	844	872	29	3.4%
97.5%	833	805	-28	-3.3%
98.8%	796	805	8	1.0%
100.0%	655	761	105	16.0%

January				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,148	3,374	226	7.2%
1.2%	3,091	3,091	0	0.0%
2.5%	3,007	3,007	0	0.0%
3.7%	2,974	2,943	-31	-1.0%
4.9%	2,943	2,940	-3	-0.1%
6.2%	2,940	2,924	-16	-0.5%
7.4%	2,924	2,870	-54	-1.8%
8.6%	2,870	2,854	-16	-0.6%
9.9%	2,854	2,854	0	0.0%
11.1%	2,854	2,846	-8	-0.3%
12.3%	2,846	2,819	-27	-1.0%
13.6%	2,833	2,806	-26	-0.9%
14.8%	2,809	2,794	-15	-0.5%
16.0%	2,794	2,788	-6	-0.2%
17.3%	2,788	2,788	0	0.0%
18.5%	2,788	2,788	0	0.0%
19.8%	2,788	2,788	0	0.0%
21.0%	2,788	2,788	0	0.0%
22.2%	2,788	2,788	0	0.0%
23.5%	2,788	2,788	0	0.0%
24.7%	2,788	2,788	0	0.0%
25.9%	2,788	2,788	0	0.0%
27.2%	2,787	2,787	0	0.0%
28.4%	2,787	2,787	0	0.0%
29.6%	2,772	2,758	-14	-0.5%
30.9%	2,695	2,754	59	2.2%
32.1%	2,541	2,648	108	4.2%
33.3%	2,524	2,561	38	1.5%
34.6%	2,522	2,525	4	0.1%
35.8%	2,503	2,524	21	0.8%
37.0%	2,393	2,440	48	2.0%
38.3%	2,312	2,302	-9	-0.4%
39.5%	2,154	2,275	122	5.6%
40.7%	2,129	2,152	24	1.1%
42.0%	1,969	2,070	100	5.1%
43.2%	1,955	2,062	107	5.5%
44.4%	1,940	1,990	50	2.6%
45.7%	1,927	1,929	2	0.1%
46.9%	1,884	1,907	22	1.2%
48.1%	1,846	1,892	46	2.5%
49.4%	1,841	1,823	-19	-1.0%
50.6%	1,711	1,788	77	4.5%
51.9%	1,682	1,769	87	5.1%
53.1%	1,679	1,705	26	1.5%
54.3%	1,626	1,693	67	4.1%
55.6%	1,611	1,693	81	5.0%
56.8%	1,602	1,678	76	4.8%
58.0%	1,550	1,673	123	7.9%
59.3%	1,545	1,644	99	6.4%
60.5%	1,537	1,625	88	5.7%
61.7%	1,535	1,574	38	2.5%
63.0%	1,532	1,555	23	1.5%
64.2%	1,524	1,552	27	1.8%
65.4%	1,500	1,549	49	3.3%
66.7%	1,484	1,535	52	3.5%
67.9%	1,423	1,531	108	7.6%
69.1%	1,408	1,526	118	8.4%
70.4%	1,398	1,516	118	8.4%
71.6%	1,374	1,515	141	10.3%
72.8%	1,372	1,502	130	9.5%
74.1%	1,342	1,485	144	10.7%
75.3%	1,289	1,405	116	9.0%
76.5%	1,278	1,369	91	7.1%
77.8%	1,268	1,352	84	6.6%
79.0%	1,264	1,351	87	6.9%
80.2%	1,238	1,339	101	8.1%
81.5%	1,234	1,296	62	5.0%
82.7%	1,181	1,269	88	7.5%
84.0%	1,157	1,264	107	9.3%
85.2%	1,152	1,264	112	9.7%
86.4%	1,110	1,216	106	9.5%
87.7%	1,078	1,140	62	5.7%
88.9%	1,071	1,135	65	6.1%
90.1%	1,026	1,115	88	8.6%
91.4%	1,003	1,027	24	2.4%
92.6%	956	965	9	1.0%
93.8%	947	951	4	0.4%
95.1%	944	938	-6	-0.7%
96.3%	886	909	24	2.7%
97.5%	880	908	29	3.3%
98.8%	842	850	8	1.0%
100.0%	651	799	148	22.8%

Table SW-18-b

Lake Oroville, End of Month Storage

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,421	3,355	-65	-1.9%
1.2%	3,078	3,078	0	0.0%
2.5%	3,064	3,073	9	0.3%
3.7%	3,063	3,064	1	0.0%
4.9%	3,058	3,057	-1	0.0%
6.2%	3,057	3,031	-26	-0.8%
7.4%	3,009	3,009	0	0.0%
8.6%	2,997	2,997	0	0.0%
9.9%	2,987	2,987	0	0.0%
11.1%	2,952	2,952	0	0.0%
12.3%	2,951	2,951	0	0.0%
13.6%	2,950	2,941	-9	-0.3%
14.8%	2,925	2,925	0	0.0%
16.0%	2,890	2,890	0	0.0%
17.3%	2,856	2,856	0	0.0%
18.5%	2,856	2,856	0	0.0%
19.8%	2,856	2,856	0	0.0%
21.0%	2,853	2,853	0	0.0%
22.2%	2,832	2,832	0	0.0%
23.5%	2,813	2,813	0	0.0%
24.7%	2,806	2,806	0	0.0%
25.9%	2,788	2,788	0	0.0%
27.2%	2,788	2,788	0	0.0%
28.4%	2,788	2,788	0	0.0%
29.6%	2,788	2,788	0	0.0%
30.9%	2,788	2,788	0	0.0%
32.1%	2,788	2,788	0	0.0%
33.3%	2,788	2,788	0	0.0%
34.6%	2,788	2,788	0	0.0%
35.8%	2,788	2,788	0	0.0%
37.0%	2,788	2,788	0	0.0%
38.3%	2,788	2,788	0	0.0%
39.5%	2,788	2,788	0	0.0%
40.7%	2,788	2,788	0	0.0%
42.0%	2,788	2,788	0	0.0%
43.2%	2,788	2,788	0	0.0%
44.4%	2,787	2,787	0	0.0%
45.7%	2,711	2,696	-15	-0.6%
46.9%	2,648	2,685	37	1.4%
48.1%	2,465	2,662	197	8.0%
49.4%	2,437	2,612	175	7.2%
50.6%	2,404	2,489	85	3.5%
51.9%	2,374	2,446	72	3.0%
53.1%	2,298	2,426	128	5.6%
54.3%	2,267	2,412	146	6.4%
55.6%	2,263	2,274	11	0.5%
56.8%	2,263	2,243	-20	-0.9%
58.0%	2,160	2,229	69	3.2%
59.3%	2,150	2,203	53	2.5%
60.5%	2,149	2,199	50	2.3%
61.7%	2,143	2,159	16	0.8%
63.0%	2,086	2,128	41	2.0%
64.2%	2,044	2,116	72	3.5%
65.4%	2,006	2,097	91	4.5%
66.7%	1,903	2,063	160	8.4%
67.9%	1,878	1,934	56	3.0%
69.1%	1,868	1,894	26	1.4%
70.4%	1,834	1,877	43	2.3%
71.6%	1,825	1,860	35	1.9%
72.8%	1,780	1,859	79	4.4%
74.1%	1,778	1,826	49	2.7%
75.3%	1,744	1,826	82	4.7%
76.5%	1,656	1,805	149	9.0%
77.8%	1,584	1,779	194	12.3%
79.0%	1,581	1,768	187	11.8%
80.2%	1,556	1,639	83	5.3%
81.5%	1,483	1,597	113	7.6%
82.7%	1,450	1,596	146	10.0%
84.0%	1,440	1,471	30	2.1%
85.2%	1,356	1,440	84	6.2%
86.4%	1,356	1,383	28	2.0%
87.7%	1,355	1,381	26	1.9%
88.9%	1,304	1,343	39	3.0%
90.1%	1,304	1,341	37	2.8%
91.4%	1,262	1,339	77	6.1%
92.6%	1,238	1,268	30	2.4%
93.8%	1,203	1,258	55	4.6%
95.1%	1,169	1,253	84	7.2%
96.3%	1,133	1,218	86	7.6%
97.5%	1,055	1,122	66	6.3%
98.8%	895	905	10	1.1%
100.0%	631	837	206	32.6%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,163	3,163	0	0.0%
1.2%	3,162	3,162	0	0.0%
2.5%	3,120	3,120	0	0.0%
3.7%	3,105	3,112	7	0.2%
4.9%	3,105	3,105	0	0.0%
6.2%	3,103	3,105	2	0.1%
7.4%	3,096	3,096	0	0.0%
8.6%	3,063	3,063	0	0.0%
9.9%	3,059	3,059	0	0.0%
11.1%	3,057	3,057	0	0.0%
12.3%	3,036	3,036	0	0.0%
13.6%	3,028	3,028	0	0.0%
14.8%	3,027	3,027	0	0.0%
16.0%	3,018	3,018	0	0.0%
17.3%	2,999	2,999	0	0.0%
18.5%	2,995	2,995	0	0.0%
19.8%	2,988	2,988	0	0.0%
21.0%	2,964	2,964	0	0.0%
22.2%	2,964	2,964	0	0.0%
23.5%	2,964	2,964	0	0.0%
24.7%	2,954	2,954	0	0.0%
25.9%	2,951	2,951	0	0.0%
27.2%	2,944	2,944	0	0.0%
28.4%	2,943	2,943	0	0.0%
29.6%	2,937	2,937	0	0.0%
30.9%	2,936	2,936	0	0.0%
32.1%	2,936	2,936	0	0.0%
33.3%	2,927	2,928	1	0.0%
34.6%	2,922	2,927	5	0.2%
35.8%	2,918	2,922	4	0.1%
37.0%	2,879	2,918	39	1.4%
38.3%	2,878	2,854	-24	-0.8%
39.5%	2,847	2,848	1	0.1%
40.7%	2,833	2,847	14	0.5%
42.0%	2,817	2,833	16	0.6%
43.2%	2,817	2,817	0	0.0%
44.4%	2,788	2,817	29	1.0%
45.7%	2,788	2,788	0	0.0%
46.9%	2,788	2,788	0	0.0%
48.1%	2,788	2,788	0	0.0%
49.4%	2,788	2,788	0	0.0%
50.6%	2,788	2,788	0	0.0%
51.9%	2,788	2,788	0	0.0%
53.1%	2,788	2,788	0	0.0%
54.3%	2,788	2,788	0	0.0%
55.6%	2,781	2,788	7	0.2%
56.8%	2,687	2,729	42	1.6%
58.0%	2,466	2,692	226	9.1%
59.3%	2,436	2,621	185	7.6%
60.5%	2,403	2,612	209	8.7%
61.7%	2,338	2,535	197	8.4%
63.0%	2,334	2,366	32	1.4%
64.2%	2,314	2,359	45	1.9%
65.4%	2,294	2,349	55	2.4%
66.7%	2,268	2,344	76	3.3%
67.9%	2,253	2,335	82	3.6%
69.1%	2,227	2,302	74	3.3%
70.4%	2,211	2,239	28	1.3%
71.6%	2,179	2,237	58	2.7%
72.8%	2,173	2,224	51	2.3%
74.1%	2,172	2,184	12	0.6%
75.3%	2,145	2,154	9	0.4%
76.5%	2,126	2,115	-11	-0.5%
77.8%	2,118	2,110	-9	-0.4%
79.0%	2,076	2,108	33	1.6%
80.2%	2,031	2,032	2	0.1%
81.5%	2,015	2,026	12	0.6%
82.7%	1,915	2,004	89	4.6%
84.0%	1,881	1,979	98	5.2%
85.2%	1,768	1,814	46	2.6%
86.4%	1,762	1,804	42	2.4%
87.7%	1,738	1,799	61	3.5%
88.9%	1,658	1,777	120	7.2%
90.1%	1,579	1,611	32	2.0%
91.4%	1,560	1,589	29	1.9%
92.6%	1,528	1,557	29	1.9%
93.8%	1,446	1,531	86	5.9%
95.1%	1,303	1,426	122	9.4%
96.3%	1,277	1,382	105	8.2%
97.5%	1,248	1,359	110	8.8%
98.8%	1,100	1,285	184	16.8%
100.0%	601	807	206	34.2%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,470	3,470	0	0.0%
1.2%	3,430	3,430	0	0.0%
2.5%	3,413	3,411	-1	0.0%
3.7%	3,402	3,401	-1	0.0%
4.9%	3,396	3,396	0	0.0%
6.2%	3,366	3,366	0	0.0%
7.4%	3,354	3,354	0	0.0%
8.6%	3,352	3,352	0	0.0%
9.9%	3,334	3,334	0	0.0%
11.1%	3,303	3,303	0	0.0%
12.3%	3,298	3,298	0	0.0%
13.6%	3,292	3,292	0	0.0%
14.8%	3,292	3,292	0	0.0%
16.0%	3,281	3,281	0	0.0%
17.3%	3,270	3,270	0	0.0%
18.5%	3,238	3,238	0	0.0%
19.8%	3,236	3,236	0	0.0%
21.0%	3,235	3,235	0	0.0%
22.2%	3,234	3,234	0	0.0%
23.5%	3,218	3,218	0	0.0%
24.7%	3,209	3,208	-1	0.0%
25.9%	3,208	3,208	0	0.0%
27.2%	3,208	3,208	0	0.0%
28.4%	3,186	3,183	-2	-0.1%
29.6%	3,184	3,180	-4	-0.1%
30.9%	3,180	3,160	-20	-0.6%
32.1%	3,160	3,159	-1	0.0%
33.3%	3,159	3,159	-1	0.0%
34.6%	3,154	3,153	-1	0.0%
35.8%	3,132	3,131	-1	0.0%
37.0%	3,117	3,116	0	0.0%
38.3%	3,115	3,098	-16	-0.5%
39.5%	3,099	3,096	-2	-0.1%
40.7%	3,082	3,081	-1	0.0%
42.0%	3,076	3,075	-1	0.0%
43.2%	3,061	3,069	8	0.3%
44.4%	3,060	3,059	-1	0.0%
45.7%	3,043	3,042	-1	0.0%
46.9%	3,017	3,016	-1	0.0%
48.1%	3,005	3,007	2	0.1%
49.4%	3,001	3,000	0	0.0%
50.6%	2,998	2,997	-1	0.0%
51.9%	2,889	2,927	38	1.3%
53.1%	2,827	2,888	61	2.2%
54.3%	2,812	2,827	15	0.5%
55.6%	2,801	2,809	8	0.3%
56.8%	2,761	2,807	46	1.7%
58.0%	2,738	2,802	65	2.4%
59.3%	2,644	2,757	113	4.3%
60.5%	2,572	2,678	106	4.1%
61.7%	2,549	2,558	9	0.4%
63.0%	2,522	2,552	29	1.2%
64.2%	2,497	2,528	31	1.2%
65.4%	2,454	2,522	68	2.8%
66.7%	2,365	2,511	146	6.2%
67.9%	2,303	2,497	194	8.4%
69.1%	2,301	2,482	181	7.9%
70.4%	2,300	2,325	25	1.1%
71.6%	2,277	2,322	45	2.0%
72.8%	2,234	2,308	74	3.3%
74.1%	2,233	2,294	61	2.7%
75.3%	2,204	2,283	79	3.6%
76.5%	2,151	2,174	23	1.1%
77.8%	2,125	2,143	18	0.8%
79.0%	2,080	2,110	30	1.4%
80.2%	2,074	2,094	20	0.9%
81.5%	2,058	2,076	18	0.9%
82.7%	2,013	2,072	59	2.9%
84.0%	1,953	2,059	105	5.4%
85.2%	1,911	1,976	65	3.4%
86.4%	1,838	1,873	35	1.9%
87.7%	1,808	1,817	9	0.5%
88.9%	1,648	1,680	31	1.9%
90.1%	1,553	1,663	110	7.1%
91.4%	1,477	1,562	85	5.7%
92.6%	1,438	1,557	120	8.3%
93.8%	1,437	1,465	28	1.9%
95.1%	1,306	1,410	104	8.0%
96.3%	1,270	1,391	121	9.5%
97.5%	1,172	1,324	152	13.0%
98.8%	1,066	1,209	142	13.4%
100.0%	558	756	198	35.5%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,538	3,538	0	0.0%
1.2%	3,538	3,538	0	0.0%
2.5%	3,538	3,538	0	0.0%
3.7%	3,538	3,538	0	0.0%
4.9%	3,538	3,538	0	0.0%
6.2%	3,514	3,513	-1	0.0%
7.4%	3,448	3,447	-1	0.0%
8.6%	3,446	3,446	-1	0.0%
9.9%	3,445	3,443	-2	-0.1%
11.1%	3,381	3,380	-1	0.0%
12.3%	3,366	3,365	-1	0.0%
13.6%	3,359	3,358	-1	0.0%
14.8%	3,333	3,333	0	0.0%
16.0%	3,299	3,290	-9	-0.3%
17.3%	3,291	3,289	-2	-0.1%
18.5%	3,261	3,260	-1	0.0%
19.8%	3,249	3,248	-1	0.0%
21.0%	3,206	3,205	-1	0.0%
22.2%	3,200	3,199	-1	0.0%
23.5%	3,196	3,195	-1	0.0%
24.7%	3,193	3,192	-1	0.0%
25.9%	3,192	3,191	-1	0.0%
27.2%	3,185	3,184	-1	0.0%
28.4%	3,169	3,168	-1	0.0%
29.6%	3,131	3,131	0	0.0%
30.9%	3,123	3,128	5	0.2%
32.1%	3,122	3,125	2	0.1%
33.3%	3,075	3,074	-1	0.0%
34.6%	3,075	3,073	-2	-0.1%
35.8%	3,066	3,065	-1	0.0%
37.0%	3,063	3,054	-8	-0.3%
38.3%	3,056	3,052	-4	-0.1%
39.5%	3,053	3,051	-1	0.0%
40.7%	3,041	3,051	10	0.3%
42.0%	3,023	3,018	-5	-0.2%
43.2%	3,013	3,012	-1	0.0%
44.4%	2,976	2,973	-3	-0.1%
45.7%	2,964	2,971	7	0.2%
46.9%	2,938	2,937	-1	0.0%
48.1%	2,915	2,914	-1	0.0%
49.4%	2,862	2,871	8	0.3%
50.6%	2,848	2,848	1	0.0%
51.9%	2,781	2,788	8	0.3%
53.1%	2,777	2,783	6	0.2%
54.3%	2,776	2,774	-1	0.0%
55.6%	2,758	2,758	0	0.0%
56.8%	2,717	2,754	37	1.4%
58.0%	2,685	2,727	42	1.6%
59.3%	2,606	2,691	85	3.3%
60.5%	2,587	2,548	-39	-1.5%
61.7%	2,499	2,543	44	1.8%
63.0%	2,445	2,521	76	3.1%
64.2%	2,419	2,512	93	3.8%
65.4%	2,354	2,497	144	6.1%
66.7%	2,284	2,440	156	6.8%
67.9%	2,257	2,360	103	4.5%
69.1%	2,193	2,312	119	5.4%
70.4%	2,176	2,307	131	6.0%
71.6%	2,159	2,220	61	2.8%
72.8%	2,130	2,202	73	3.4%
74.1%	2,073	2,164	91	4.4%
75.3%	2,055	2,155	100	4.9%
76.5%	2,044	2,142	98	4.8%
77.8%	2,032	2,096	63	3.1%
79.0%	2,028	2,066	38	1.9%
80.2%	2,020	2,025	5	0.2%
81.5%	2,006	1,999	-6	-0.3%
82.7%	1,939	1,997	58	3.0%
84.0%	1,932	1,986	54	2.8%
85.2%	1,842	1,855	13	0.7%
86.4%	1,819	1,830	11	0.6%
87.7%	1,746	1,801	55	3.2%
88.9%	1,512	1,605	93	6.2%
90.1%	1,419	1,419	0	0.0%
91.4%	1,352	1,408	56	4.2%
92.6%	1,343	1,380	37	2.7%
93.8%	1,337	1,352	15	1.1%
95.1%	1,277	1,320	43	3.3%
96.3%	1,148	1,305	157	13.7%
97.5%	1,061	1,204	143	13.5%
98.8%	994	1,101	107	10.7%
100.0%	529	726	198	37.4%

Table SW-18-b

Lake Oroville, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,509	3,468	-41	-1.2%
1.2%	3,440	3,448	9	0.3%
2.5%	3,437	3,379	-58	-1.7%
3.7%	3,370	3,377	6	0.2%
4.9%	3,365	3,367	2	0.1%
6.2%	3,339	3,337	-2	-0.1%
7.4%	3,296	3,329	34	1.0%
8.6%	3,292	3,304	13	0.4%
9.9%	3,275	3,285	10	0.3%
11.1%	3,235	3,210	-26	-0.8%
12.3%	3,231	3,204	-27	-0.8%
13.6%	3,203	3,185	-18	-0.5%
14.8%	3,083	3,084	1	0.0%
16.0%	3,022	3,078	56	1.9%
17.3%	3,018	3,063	45	1.5%
18.5%	3,002	3,046	44	1.5%
19.8%	2,982	3,019	37	1.2%
21.0%	2,966	3,015	49	1.7%
22.2%	2,924	3,001	77	2.6%
23.5%	2,921	2,964	43	1.5%
24.7%	2,889	2,929	40	1.4%
25.9%	2,857	2,926	69	2.4%
27.2%	2,853	2,919	65	2.3%
28.4%	2,830	2,905	75	2.7%
29.6%	2,814	2,899	85	3.0%
30.9%	2,799	2,846	46	1.7%
32.1%	2,787	2,834	47	1.7%
33.3%	2,764	2,831	67	2.4%
34.6%	2,748	2,828	80	2.9%
35.8%	2,746	2,816	70	2.6%
37.0%	2,740	2,796	56	2.0%
38.3%	2,716	2,792	76	2.8%
39.5%	2,704	2,778	74	2.7%
40.7%	2,697	2,771	74	2.7%
42.0%	2,691	2,743	52	1.9%
43.2%	2,686	2,733	47	1.7%
44.4%	2,673	2,720	47	1.8%
45.7%	2,656	2,719	63	2.4%
46.9%	2,642	2,679	38	1.4%
48.1%	2,605	2,648	42	1.6%
49.4%	2,580	2,620	41	1.6%
50.6%	2,564	2,595	31	1.2%
51.9%	2,519	2,561	42	1.7%
53.1%	2,508	2,558	50	2.0%
54.3%	2,505	2,557	52	2.1%
55.6%	2,445	2,528	82	3.4%
56.8%	2,396	2,477	81	3.4%
58.0%	2,255	2,465	210	9.3%
59.3%	2,238	2,350	112	5.0%
60.5%	2,188	2,301	112	5.1%
61.7%	2,183	2,279	96	4.4%
63.0%	2,162	2,276	113	5.2%
64.2%	2,098	2,259	161	7.7%
65.4%	2,046	2,249	203	9.9%
66.7%	2,039	2,184	144	7.1%
67.9%	2,011	2,129	118	5.9%
69.1%	1,955	2,042	87	4.5%
70.4%	1,893	2,040	147	7.7%
71.6%	1,874	2,012	138	7.3%
72.8%	1,873	1,989	116	6.2%
74.1%	1,871	1,913	42	2.3%
75.3%	1,866	1,880	14	0.7%
76.5%	1,865	1,873	8	0.4%
77.8%	1,834	1,872	39	2.1%
79.0%	1,794	1,834	39	2.2%
80.2%	1,789	1,825	37	2.0%
81.5%	1,783	1,817	34	1.9%
82.7%	1,780	1,769	-10	-0.6%
84.0%	1,743	1,727	-16	-0.9%
85.2%	1,603	1,692	90	5.6%
86.4%	1,591	1,653	62	3.9%
87.7%	1,588	1,601	13	0.8%
88.9%	1,290	1,472	182	14.1%
90.1%	1,215	1,282	67	5.5%
91.4%	1,191	1,228	37	3.1%
92.6%	1,186	1,197	11	0.9%
93.8%	1,128	1,095	-33	-2.9%
95.1%	1,095	1,077	-18	-1.7%
96.3%	993	1,067	74	7.4%
97.5%	935	1,041	105	11.2%
98.8%	893	992	100	11.2%
100.0%	485	682	197	40.6%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	3,119	3,219	100	3.2%
1.2%	3,037	3,012	-25	-0.8%
2.5%	2,891	3,002	111	3.8%
3.7%	2,881	2,989	108	3.7%
4.9%	2,858	2,910	51	1.8%
6.2%	2,818	2,836	18	0.6%
7.4%	2,815	2,833	17	0.6%
8.6%	2,786	2,832	46	1.6%
9.9%	2,726	2,741	15	0.6%
11.1%	2,665	2,711	46	1.7%
12.3%	2,591	2,691	101	3.9%
13.6%	2,587	2,642	55	2.1%
14.8%	2,576	2,629	54	2.1%
16.0%	2,572	2,629	57	2.2%
17.3%	2,430	2,577	147	6.0%
18.5%	2,408	2,567	160	6.6%
19.8%	2,401	2,565	164	6.8%
21.0%	2,395	2,514	119	5.0%
22.2%	2,347	2,455	108	4.6%
23.5%	2,346	2,395	49	2.1%
24.7%	2,329	2,385	57	2.4%
25.9%	2,303	2,365	62	2.7%
27.2%	2,214	2,358	144	6.5%
28.4%	2,205	2,349	144	6.5%
29.6%	2,201	2,328	127	5.8%
30.9%	2,190	2,316	127	5.8%
32.1%	2,181	2,294	113	5.2%
33.3%	2,169	2,286	117	5.4%
34.6%	2,168	2,178	11	0.5%
35.8%	2,133	2,174	41	1.9%
37.0%	2,124	2,167	44	2.1%
38.3%	2,115	2,165	50	2.4%
39.5%	2,085	2,163	79	3.8%
40.7%	2,065	2,160	96	4.6%
42.0%	2,061	2,158	97	4.7%
43.2%	2,051	2,153	102	5.0%
44.4%	2,046	2,141	95	4.6%
45.7%	2,028	2,135	107	5.3%
46.9%	2,017	2,126	108	5.4%
48.1%	2,000	2,089	89	4.5%
49.4%	1,977	2,059	81	4.1%
50.6%	1,920	2,041	121	6.3%
51.9%	1,910	2,038	128	6.7%
53.1%	1,884	2,035	151	8.0%
54.3%	1,880	1,994	114	6.1%
55.6%	1,861	1,983	122	6.6%
56.8%	1,734	1,934	200	11.5%
58.0%	1,618	1,876	258	15.9%
59.3%	1,617	1,792	175	10.8%
60.5%	1,589	1,734	146	9.2%
61.7%	1,563	1,709	146	9.3%
63.0%	1,553	1,679	126	8.1%
64.2%	1,540	1,661	121	7.8%
65.4%	1,528	1,637	109	7.1%
66.7%	1,518	1,628	110	7.2%
67.9%	1,496	1,606	111	7.4%
69.1%	1,482	1,594	112	7.6%
70.4%	1,473	1,580	106	7.2%
71.6%	1,469	1,500	31	2.1%
72.8%	1,439	1,495	57	3.9%
74.1%	1,431	1,492	60	4.2%
75.3%	1,368	1,475	107	7.8%
76.5%	1,352	1,465	112	8.3%
77.8%	1,348	1,425	77	5.7%
79.0%	1,343	1,419	75	5.6%
80.2%	1,337	1,342	5	0.4%
81.5%	1,334	1,334	0	0.0%
82.7%	1,329	1,304	-24	-1.8%
84.0%	1,327	1,286	-40	-3.0%
85.2%	1,247	1,274	28	2.2%
86.4%	1,203	1,252	49	4.1%
87.7%	1,158	1,245	87	7.5%
88.9%	998	1,234	237	23.7%
90.1%	992	1,137	145	14.6%
91.4%	992	1,057	65	6.6%
92.6%	992	991	-1	-0.1%
93.8%	991	944	-47	-4.8%
95.1%	933	910	-23	-2.5%
96.3%	824	910	86	10.4%
97.5%	767	892	125	16.3%
98.8%	758	823	65	8.5%
100.0%	452	648	196	43.4%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,917	3,030	114	3.9%
1.2%	2,624	2,754	131	5.0%
2.5%	2,605	2,678	74	2.8%
3.7%	2,603	2,645	42	1.6%
4.9%	2,589	2,620	31	1.2%
6.2%	2,521	2,586	65	2.6%
7.4%	2,448	2,476	27	1.1%
8.6%	2,331	2,441	110	4.7%
9.9%	2,276	2,402	126	5.5%
11.1%	2,200	2,345	145	6.6%
12.3%	2,135	2,229	94	4.4%
13.6%	2,127	2,208	81	3.8%
14.8%	2,124	2,189	64	3.0%
16.0%	2,123	2,182	59	2.8%
17.3%	2,096	2,157	60	2.9%
18.5%	2,051	2,149	98	4.8%
19.8%	1,931	2,135	203	10.5%
21.0%	1,926	2,105	179	9.3%
22.2%	1,897	2,070	173	9.1%
23.5%	1,859	1,953	94	5.1%
24.7%	1,857	1,907	50	2.7%
25.9%	1,844	1,906	62	3.4%
27.2%	1,739	1,900	161	9.3%
28.4%	1,730	1,898	169	9.7%
29.6%	1,729	1,873	144	8.3%
30.9%	1,709	1,858	149	8.7%
32.1%	1,699	1,823	124	7.3%
33.3%	1,688	1,815	127	7.5%
34.6%	1,688	1,805	117	7.0%
35.8%	1,684	1,805	121	7.2%
37.0%	1,681	1,798	117	7.0%
38.3%	1,631	1,778	148	9.1%
39.5%	1,629	1,775	146	9.0%
40.7%	1,620	1,755	134	8.3%
42.0%	1,602	1,752	150	9.4%
43.2%	1,602	1,743	141	8.8%
44.4%	1,596	1,706	110	6.9%
45.7%	1,585	1,690	105	6.6%
46.9%	1,580	1,678	97	6.2%
48.1%	1,570	1,667	97	6.2%
49.4%	1,549	1,654	105	6.8%
50.6%	1,535	1,653	118	7.7%
51.9%	1,529	1,651	121	7.9%
53.1%	1,519	1,589	71	4.7%
54.3%	1,518	1,587	69	4.5%
55.6%	1,457	1,577	120	8.2%
56.8%	1,435	1,561	126	8.8%
58.0%	1,398	1,518	120	8.6%
59.3%	1,350	1,437	87	6.5%
60.5%	1,343	1,371	28	2.1%
61.7%	1,337	1,365	28	2.1%
63.0%	1,334	1,356	21	1.6%
64.2%	1,325	1,344	20	1.5%
65.4%	1,308	1,333	25	1.9%
66.7%	1,293	1,323	30	2.3%
67.9%	1,257	1,307	50	4.0%
69.1%	1,255	1,303	48	3.8%
70.4%	1,223	1,301	78	6.4%
71.6%	1,211	1,298	87	7.2%
72.8%	1,182	1,290	108	9.1%
74.1%	1,161	1,276	114	9.8%
75.3%	1,149	1,275	127	11.0%
76.5%	1,145	1,275	130	11.3%
77.8%	1,143	1,274	131	11.5%
79.0%	1,133	1,262	130	11.5%
80.2%	1,083	1,255	172	15.9%
81.5%	1,079	1,232	153	14.2%
82.7%	1,067	1,127	60	5.6%
84.0%	1,028	1,121	93	9.0%
85.2%	1,004	1,084	79	7.9%
86.4%	996	1,081	85	8.6%
87.7%	992	1,076	84	8.5%
88.9%	920	1,036	116	12.6%
90.1%	909	1,035	126	13.8%
91.4%	882	992	110	12.4%
92.6%	871	875	3	0.4%
93.8%	855	874	19	2.3%
95.1%	782	842	60	7.7%
96.3%	752	786	34	4.5%
97.5%	751	786	35	4.6%
98.8%	706	751	45	6.4%
100.0%	435	631	195	44.9%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	2,544	2,703	160	6.3%
1.2%	2,427	2,598	171	7.0%
2.5%	2,300	2,308	7	0.3%
3.7%	2,204	2,287	83	3.8%
4.9%	2,067	2,132	65	3.1%
6.2%	2,004	2,107	103	5.1%
7.4%	1,961	2,090	129	6.6%
8.6%	1,892	1,931	39	2.1%
9.9%	1,881	1,900	19	1.0%
11.1%	1,768	1,889	120	6.8%
12.3%	1,724	1,881	157	9.1%
13.6%	1,617	1,783	166	10.3%
14.8%	1,606	1,766	160	9.9%
16.0%	1,587	1,704	117	7.4%
17.3%	1,560	1,672	113	7.2%
18.5%	1,556	1,672	117	7.5%
19.8%	1,542	1,668	126	8.2%
21.0%	1,499	1,657	158	10.5%
22.2%	1,497	1,650	154	10.3%
23.5%	1,485	1,646	161	10.9%
24.7%	1,441	1,560	119	8.3%
25.9%	1,440	1,554	114	7.9%
27.2%	1,437	1,536	100	6.9%
28.4%	1,416	1,528	111	7.9%
29.6%	1,388	1,525	137	9.9%
30.9%	1,384	1,513	129	9.3%
32.1%	1,379	1,467	88	6.4%
33.3%	1,351	1,445	94	6.9%
34.6%	1,351	1,430	78	5.8%
35.8%	1,346	1,429	83	6.2%
37.0%	1,346	1,426	80	5.9%
38.3%	1,280	1,418	138	10.8%
39.5%	1,278	1,414	137	10.7%
40.7%	1,268	1,407	139	11.0%
42.0%	1,262	1,366	104	8.2%
43.2%	1,257	1,356	99	7.9%
44.4%	1,256	1,337	81	6.4%
45.7%	1,245	1,335	90	7.2%
46.9%	1,244	1,331	87	7.0%
48.1%	1,236	1,303	67	5.4%
49.4%	1,235	1,298	63	5.1%
50.6%	1,215	1,292	77	6.4%
51.9%	1,208	1,288	80	6.6%
53.1%	1,204	1,275	71	5.9%
54.3%	1,202	1,264	61	5.1%
55.6%	1,152	1,250	98	8.5%
56.8%	1,145	1,247	102	8.9%
58.0%	1,144	1,232	88	7.6%
59.3%	1,129	1,231	102	9.0%
60.5%	1,118	1,225	107	9.6%
61.7%	1,117	1,222	105	9.4%
63.0%	1,116	1,220	104	9.3%
64.2%	1,115	1,220	104	9.4%
65.4%	1,114	1,212	98	8.8%
66.7%	1,095	1,195	100	9.2%
67.9%	1,089	1,191	102	9.3%
69.1%	1,085	1,189	105	9.6%
70.4%	1,074	1,185	111	10.3%
71.6%	1,069	1,166	97	9.1%
72.8%	1,058	1,160	101	9.6%
74.1%	1,053	1,134	81	7.7%
75.3%	1,020	1,122	103	10.1%
76.5%	1,016	1,111	95	9.4%
77.8%	1,006	1,087	81	8.0%
79.0%	997	1,086	89	8.9%
80.2%	995	1,071	76	7.7%
81.5%	995	1,065	70	7.0%
82.7%	994	1,050	56	5.6%
84.0%	994	1,032	38	3.8%
85.2%	970	1,019	49	5.0%
86.4%	892	999	107	12.0%
87.7%	890	994	104	11.7%
88.9%	888	994	106	12.0%
90.1%	857	994	137	16.0%
91.4%	850	947	97	11.4%
92.6%	837	847	10	1.2%
93.8%	837	814	-23	-2.8%
95.1%	757	789	32	4.2%
96.3%	754	767	13	1.7%
97.5%	739	765	26	3.5%
98.8%	727	757	30	4.1%
100.0%	468	663	195	41.6%

Figure SW-19-b
Lake Oroville, End of Month Elevation
Probability of Exceedance

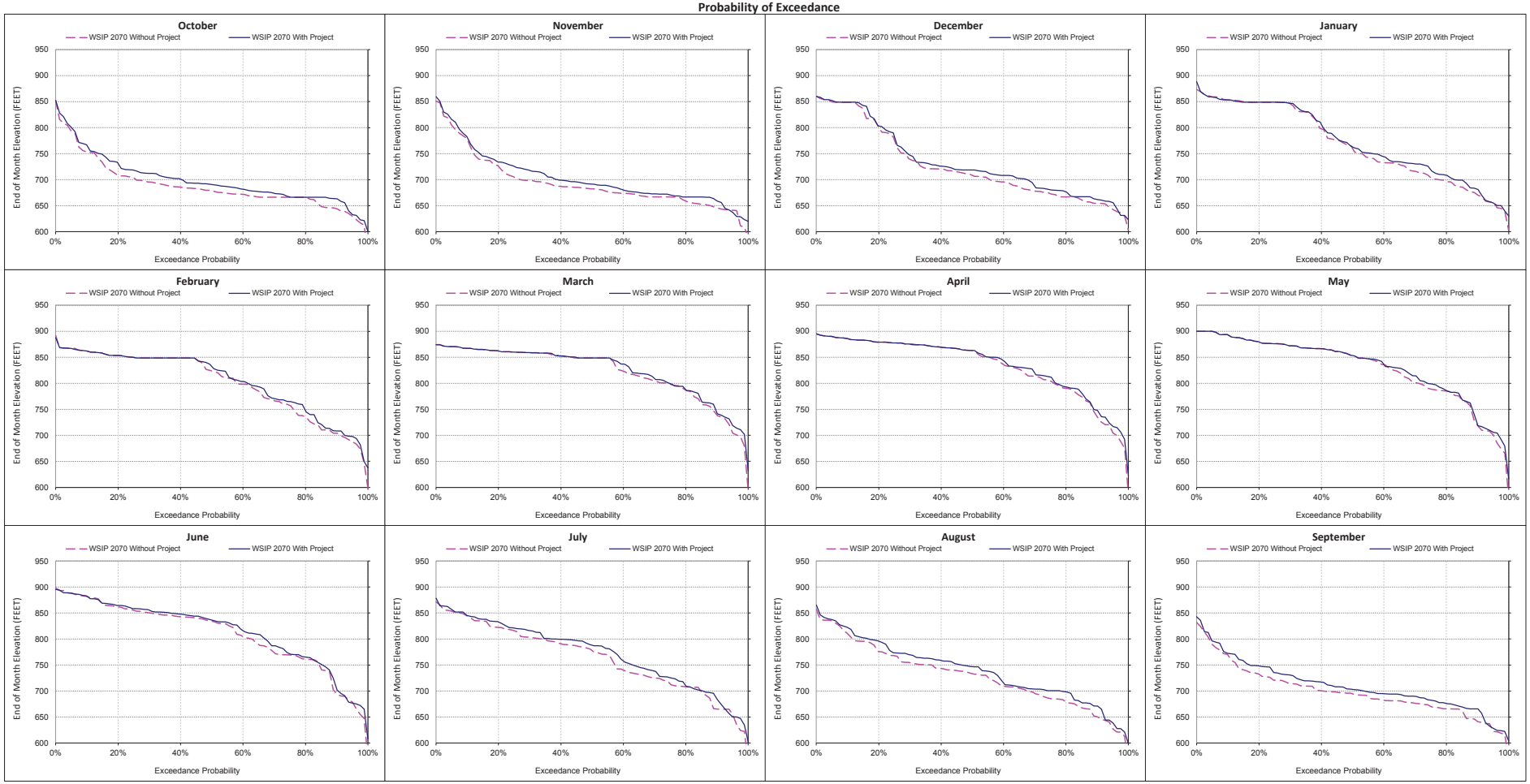


Table SW-19-b

Lake Oroville, End of Month Elevation

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	852	852	0	0.0%
1.2%	816	828	12	1.5%
2.5%	809	821	13	1.6%
3.7%	805	809	4	0.5%
4.9%	794	801	7	0.9%
6.2%	790	793	2	0.3%
7.4%	763	772	9	1.2%
8.6%	756	769	13	1.7%
9.9%	753	767	14	1.8%
11.1%	752	755	3	0.4%
12.3%	751	754	3	0.3%
13.6%	742	750	9	1.2%
14.8%	734	749	15	2.0%
16.0%	723	743	20	2.8%
17.3%	719	736	17	2.3%
18.5%	714	735	21	2.9%
19.8%	709	734	25	3.5%
21.0%	707	721	14	2.0%
22.2%	707	720	13	1.8%
23.5%	706	719	13	1.9%
24.7%	705	719	13	1.9%
25.9%	699	717	18	2.5%
27.2%	699	713	15	2.1%
28.4%	697	713	16	2.2%
29.6%	696	712	16	2.4%
30.9%	695	712	17	2.4%
32.1%	693	712	18	2.6%
33.3%	692	707	15	2.2%
34.6%	690	706	15	2.2%
35.8%	689	704	16	2.3%
37.0%	687	703	15	2.3%
38.3%	686	702	16	2.3%
39.5%	686	702	16	2.3%
40.7%	685	699	14	2.1%
42.0%	684	694	10	1.4%
43.2%	684	694	10	1.4%
44.4%	683	693	10	1.5%
45.7%	683	693	10	1.5%
46.9%	681	692	11	1.7%
48.1%	680	692	12	1.8%
49.4%	679	691	12	1.7%
50.6%	678	690	12	1.8%
51.9%	676	689	14	2.0%
53.1%	675	688	12	1.8%
54.3%	674	687	13	1.9%
55.6%	673	686	13	1.9%
56.8%	672	685	13	1.9%
58.0%	672	684	12	1.7%
59.3%	672	682	10	1.5%
60.5%	672	681	9	1.4%
61.7%	669	679	10	1.5%
63.0%	669	678	9	1.3%
64.2%	667	678	10	1.5%
65.4%	666	677	10	1.5%
66.7%	666	676	10	1.5%
67.9%	666	676	10	1.5%
69.1%	666	675	9	1.3%
70.4%	666	673	7	1.1%
71.6%	666	673	6	0.9%
72.8%	666	672	6	0.9%
74.1%	666	668	2	0.3%
75.3%	666	666	0	0.0%
76.5%	666	666	0	0.0%
77.8%	666	666	0	0.0%
79.0%	666	666	0	0.0%
80.2%	666	666	0	0.0%
81.5%	662	666	4	0.6%
82.7%	662	666	4	0.7%
84.0%	654	666	12	1.9%
85.2%	648	666	18	2.8%
86.4%	647	666	20	3.0%
87.7%	646	664	18	2.8%
88.9%	646	664	18	2.7%
90.1%	644	663	19	3.0%
91.4%	640	658	19	2.9%
92.6%	639	656	17	2.6%
93.8%	635	640	5	0.9%
95.1%	630	633	3	0.5%
96.3%	623	631	9	1.4%
97.5%	617	623	6	1.0%
98.8%	613	621	8	1.4%
100.0%	560	601	41	7.4%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	851	860	9	1.0%
1.2%	848	851	3	0.4%
2.5%	822	830	8	0.9%
3.7%	819	826	7	0.8%
4.9%	805	816	11	1.3%
6.2%	796	810	14	1.8%
7.4%	790	797	7	0.9%
8.6%	784	790	5	0.7%
9.9%	780	783	3	0.4%
11.1%	762	768	6	0.8%
12.3%	747	758	11	1.5%
13.6%	740	753	13	1.7%
14.8%	738	746	8	1.1%
16.0%	737	745	7	1.0%
17.3%	737	742	5	0.7%
18.5%	729	739	10	1.4%
19.8%	727	734	7	0.9%
21.0%	719	734	15	2.1%
22.2%	712	731	19	2.7%
23.5%	708	729	20	2.9%
24.7%	706	726	21	2.9%
25.9%	701	723	21	3.1%
27.2%	700	722	23	3.2%
28.4%	699	720	21	3.1%
29.6%	699	719	20	2.9%
30.9%	698	716	18	2.6%
32.1%	696	716	20	2.8%
33.3%	696	715	19	2.7%
34.6%	694	712	17	2.5%
35.8%	693	705	12	1.7%
37.0%	690	705	14	2.1%
38.3%	688	701	13	1.9%
39.5%	687	699	12	1.7%
40.7%	686	699	12	1.8%
42.0%	686	698	11	1.6%
43.2%	686	696	10	1.5%
44.4%	685	696	11	1.6%
45.7%	685	695	10	1.5%
46.9%	684	694	10	1.4%
48.1%	683	692	9	1.2%
49.4%	682	691	9	1.3%
50.6%	682	691	9	1.3%
51.9%	681	690	8	1.2%
53.1%	680	689	9	1.3%
54.3%	678	689	11	1.6%
55.6%	676	688	12	1.8%
56.8%	675	686	11	1.6%
58.0%	675	684	9	1.4%
59.3%	674	682	8	1.1%
60.5%	674	679	5	0.8%
61.7%	673	678	4	0.7%
63.0%	672	676	4	0.6%
64.2%	672	676	4	0.6%
65.4%	669	675	6	0.9%
66.7%	668	674	6	0.8%
67.9%	667	674	7	1.0%
69.1%	667	673	6	0.9%
70.4%	667	673	6	0.9%
71.6%	667	672	5	0.8%
72.8%	667	672	5	0.8%
74.1%	667	672	5	0.8%
75.3%	667	670	4	0.5%
76.5%	667	669	2	0.3%
77.8%	667	668	2	0.3%
79.0%	661	667	5	0.8%
80.2%	658	667	9	1.3%
81.5%	656	667	11	1.6%
82.7%	655	667	12	1.9%
84.0%	654	667	13	2.0%
85.2%	652	667	14	2.2%
86.4%	652	666	14	2.2%
87.7%	650	666	16	2.4%
88.9%	648	664	16	2.4%
90.1%	646	659	13	2.0%
91.4%	644	656	13	2.0%
92.6%	642	645	2	0.3%
93.8%	642	642	0	0.0%
95.1%	641	637	-4	-0.6%
96.3%	640	629	-11	-1.8%
97.5%	611	629	18	3.0%
98.8%	609	623	14	2.3%
100.0%	587	620	33	5.6%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	860	860	0	0.0%
1.2%	856	858	2	0.3%
2.5%	854	854	0	0.0%
3.7%	854	854	0	0.0%
4.9%	850	853	3	0.4%
6.2%	849	850	1	0.1%
7.4%	849	849	0	0.0%
8.6%	849	849	0	0.0%
9.9%	849	849	0	0.0%
11.1%	849	849	0	0.0%
12.3%	849	849	0	0.0%
13.6%	842	848	6	0.7%
14.8%	838	843	5	0.7%
16.0%	818	841	23	2.8%
17.3%	817	822	5	0.6%
18.5%	816	817	2	0.2%
19.8%	804	804	0	0.0%
21.0%	791	802	11	1.3%
22.2%	791	795	5	0.6%
23.5%	789	792	3	0.4%
24.7%	782	790	8	1.0%
25.9%	761	766	5	0.6%
27.2%	751	763	11	1.5%
28.4%	750	755	5	0.7%
29.6%	740	748	8	1.0%
30.9%	737	745	8	1.1%
32.1%	736	734	-2	-0.3%
33.3%	726	733	7	1.0%
34.6%	723	733	10	1.4%
35.8%	721	731	10	1.4%
37.0%	721	729	8	1.1%
38.3%	721	728	7	1.0%
39.5%	721	726	6	0.8%
40.7%	720	725	5	0.7%
42.0%	717	725	7	1.0%
43.2%	717	723	6	0.8%
44.4%	716	720	4	0.6%
45.7%	715	719	4	0.6%
46.9%	713	719	6	0.8%
48.1%	711	719	8	1.1%
49.4%	710	719	9	1.2%
50.6%	706	719	12	1.7%
51.9%	706	717	11	1.6%
53.1%	705	716	11	1.5%
54.3%	705	715	11	1.5%
55.6%	700	711	11	1.6%
56.8%	697	710	13	1.9%
58.0%	697	709	12	1.8%
59.3%	696	708	13	1.8%
60.5%	695	708	13	1.8%
61.7%	693	708	14	2.1%
63.0%	689	707	18	2.6%
64.2%	688	703	15	2.2%
65.4%	685	702	17	2.5%
66.7%	682	702	20	2.9%
67.9%	681	699	19	2.7%
69.1%	679	695	16	2.3%
70.4%	678	684	6	0.9%
71.6%	677	684	6	0.9%
72.8%	676	683	8	1.1%
74.1%	675	682	6	0.9%
75.3%	672	680	8	1.2%
76.5%	671	679	8	1.2%
77.8%	667	679	12	1.8%
79.0%	667	679	12	1.8%
80.2%	667	676	9	1.3%
81.5%	667	668	1	0.2%
82.7%	667	667	0	0.0%
84.0%	665	667	2	0.4%
85.2%	660	667	7	1.0%
86.4%	657	667	10	1.5%
87.7%	657	667	10	1.5%
88.9%	655	663	9	1.4%
90.1%	654	662	7	1.1%
91.4%	654	661	6	1.0%
92.6%	653	659	5	0.8%
93.8%	647	658	11	1.7%
95.1%	643	656	13	2.1%
96.3%	639	644	5	0.8%
97.5%	637	631	-5	-0.8%
98.8%	630	631	2	0.2%
100.0%	603	623	20	3.3%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	873	889	15	1.8%
1.2%	869	869	0	0.0%
2.5%	864	864	0	0.0%
3.7%	861	859	-2	-0.2%
4.9%	859	859	0	0.0%
6.2%	859	858	-1	-0.1%
7.4%	858	854	-4	-0.4%
8.6%	854	853	-1	-0.1%
9.9%	853	853	0	0.0%
11.1%	853	853	-1	-0.1%
12.3%	853	851	-2	-0.2%
13.6%	852	850	-2	-0.2%
14.8%	850	849	-1	-0.1%
16.0%	849	849	0	0.0%
17.3%	849	849	0	0.0%
18.5%	849	849	0	0.0%
19.8%	849	849	0	0.0%
21.0%	849	849	0	0.0%
22.2%	849	849	0	0.0%
23.5%	849	849	0	0.0%
24.7%	849	849	0	0.0%
25.9%	849	849	0	0.0%
27.2%	849	849	0	0.0%
28.4%	849	849	0	0.0%
29.6%	848	847	-1	-0.1%
30.9%	842	846	4	0.5%
32.1%	832	839	7	0.9%
33.3%	831	833	3	0.3%
34.6%	831	831	0	0.0%
35.8%	829	831	1	0.2%
37.0%	822	825	3	0.4%
38.3%	815	814	-1	-0.1%
39.5%	799	811	12	1.6%
40.7%	796	798	2	0.3%
42.0%	780	790	10	1.3%
43.2%	778	789	11	1.4%
44.4%	777	782	5	0.7%
45.7%	775	776	0	0.0%
46.9%	771	773	2	0.3%
48.1%	767	772	5	0.6%
49.4%	767	765	-2	-0.2%
50.6%	753	761	8	1.0%
51.9%	750	759	9	1.2%
53.1%	750	753	3	0.4%
54.3%	743	751	8	1.1%
55.6%	742	751	10	1.3%
56.8%	740	750	9	1.3%
58.0%	734	749	15	2.0%
59.3%	733	746	12	1.7%
60.5%	733	743	11	1.5%
61.7%	732	737	5	0.6%
63.0%	732	735	3	0.4%
64.2%	731	734	3	0.5%
65.4%	728	734	6	0.8%
66.7%	726	732	6	0.9%
67.9%	719	732	13	1.8%
69.1%	717	731	14	2.0%
70.4%	716	730	14	2.0%
71.6%	713	730	17	2.4%
72.8%	712	728	16	2.2%
74.1%	709	726	18	2.5%
75.3%	702	716	14	2.0%
76.5%	701	712	11	1.6%
77.8%	700	710	10	1.5%
79.0%	699	710	11	1.5%
80.2%	696	708	12	1.8%
81.5%	696	703	8	1.1%
82.7%	689	700	11	1.6%
84.0%	686	699	13	1.9%
85.2%	686	699	14	2.0%
86.4%	680	693	13	1.9%
87.7%	677	684	8	1.1%
88.9%	676	684	8	1.2%
90.1%	670	681	11	1.6%
91.4%	667	670	3	0.5%
92.6%	659	660	2	0.3%
93.8%	657	658	1	0.1%
95.1%	657	655	-1	-0.2%
96.3%	646	650	4	0.7%
97.5%	645	650	5	0.8%
98.8%	638	640	1	0.2%
100.0%	602	630	28	4.6%

Table SW-19-b

Lake Oroville, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	892	887	-4	-0.5%
1.2%	869	869	0	0.0%
2.5%	868	868	1	0.1%
3.7%	868	868	0	0.0%
4.9%	867	867	0	0.0%
6.2%	867	865	-2	-0.2%
7.4%	864	864	0	0.0%
8.6%	863	863	0	0.0%
9.9%	862	862	0	0.0%
11.1%	860	860	0	0.0%
12.3%	860	860	0	0.0%
13.6%	860	859	-1	-0.1%
14.8%	858	858	0	0.0%
16.0%	856	856	0	0.0%
17.3%	853	853	0	0.0%
18.5%	853	853	0	0.0%
19.8%	853	853	0	0.0%
21.0%	853	853	0	0.0%
22.2%	852	852	0	0.0%
23.5%	850	850	0	0.0%
24.7%	850	850	0	0.0%
25.9%	849	849	0	0.0%
27.2%	849	849	0	0.0%
28.4%	849	849	0	0.0%
29.6%	849	849	0	0.0%
30.9%	849	849	0	0.0%
32.1%	849	849	0	0.0%
33.3%	849	849	0	0.0%
34.6%	849	849	0	0.0%
35.8%	849	849	0	0.0%
37.0%	849	849	0	0.0%
38.3%	849	849	0	0.0%
39.5%	849	849	0	0.0%
40.7%	849	849	0	0.0%
42.0%	849	849	0	0.0%
43.2%	849	849	0	0.0%
44.4%	849	849	0	0.0%
45.7%	844	842	-1	-0.1%
46.9%	839	842	3	0.3%
48.1%	827	840	13	1.6%
49.4%	825	837	12	1.4%
50.6%	823	828	6	0.7%
51.9%	821	825	5	0.6%
53.1%	813	824	11	1.3%
54.3%	810	823	13	1.6%
55.6%	810	811	1	0.1%
56.8%	810	808	-2	-0.3%
58.0%	799	806	7	0.9%
59.3%	798	804	5	0.7%
60.5%	798	803	5	0.6%
61.7%	798	799	2	0.2%
63.0%	792	796	4	0.5%
64.2%	787	795	7	0.9%
65.4%	783	793	9	1.2%
66.7%	773	789	16	2.1%
67.9%	770	776	6	0.7%
69.1%	769	772	3	0.3%
70.4%	766	770	4	0.6%
71.6%	765	768	4	0.5%
72.8%	760	768	8	1.1%
74.1%	760	765	5	0.7%
75.3%	757	765	8	1.1%
76.5%	747	763	16	2.1%
77.8%	738	760	22	3.0%
79.0%	738	759	21	2.9%
80.2%	735	745	10	1.4%
81.5%	726	740	14	1.9%
82.7%	722	740	18	2.5%
84.0%	721	724	4	0.5%
85.2%	711	721	10	1.4%
86.4%	710	714	3	0.5%
87.7%	710	714	3	0.5%
88.9%	704	709	5	0.7%
90.1%	704	709	4	0.6%
91.4%	699	708	9	1.4%
92.6%	696	700	4	0.5%
93.8%	692	698	7	1.0%
95.1%	688	698	10	1.5%
96.3%	683	694	10	1.5%
97.5%	674	682	8	1.2%
98.8%	648	649	2	0.3%
100.0%	598	637	39	6.5%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	874	874	0	0.0%
1.2%	874	874	0	0.0%
2.5%	871	871	0	0.0%
3.7%	870	871	0	0.1%
4.9%	870	870	0	0.0%
6.2%	870	870	0	0.0%
7.4%	870	870	0	0.0%
8.6%	868	868	0	0.0%
9.9%	867	867	0	0.0%
11.1%	867	867	0	0.0%
12.3%	866	866	0	0.0%
13.6%	865	865	0	0.0%
14.8%	865	865	0	0.0%
16.0%	864	864	0	0.0%
17.3%	863	863	0	0.0%
18.5%	863	863	0	0.0%
19.8%	862	862	0	0.0%
21.0%	861	861	0	0.0%
22.2%	861	861	0	0.0%
23.5%	861	861	0	0.0%
24.7%	860	860	0	0.0%
25.9%	860	860	0	0.0%
27.2%	859	859	0	0.0%
28.4%	859	859	0	0.0%
29.6%	859	859	0	0.0%
30.9%	859	859	0	0.0%
32.1%	859	859	0	0.0%
33.3%	858	858	0	0.0%
34.6%	858	858	0	0.0%
35.8%	858	858	0	0.0%
37.0%	855	858	3	0.3%
38.3%	855	853	-2	-0.2%
39.5%	853	853	0	0.0%
40.7%	852	853	1	0.1%
42.0%	851	852	1	0.1%
43.2%	851	851	0	0.0%
44.4%	849	851	2	0.2%
45.7%	849	849	0	0.0%
46.9%	849	849	0	0.0%
48.1%	849	849	0	0.0%
49.4%	849	849	0	0.0%
50.6%	849	849	0	0.0%
51.9%	849	849	0	0.0%
53.1%	849	849	0	0.0%
54.3%	849	849	0	0.0%
55.6%	848	849	0	0.1%
56.8%	842	845	3	0.3%
58.0%	827	842	15	1.9%
59.3%	825	837	13	1.5%
60.5%	822	837	14	1.7%
61.7%	818	831	14	1.7%
63.0%	817	820	3	0.3%
64.2%	815	819	4	0.5%
65.4%	813	819	6	0.7%
66.7%	810	818	8	1.0%
67.9%	809	817	8	1.0%
69.1%	806	814	8	0.9%
70.4%	805	807	3	0.4%
71.6%	801	807	6	0.7%
72.8%	801	806	5	0.7%
74.1%	800	802	1	0.2%
75.3%	798	799	1	0.1%
76.5%	796	795	-1	-0.1%
77.8%	795	794	-1	-0.1%
79.0%	791	794	3	0.4%
80.2%	786	786	0	0.0%
81.5%	784	786	1	0.2%
82.7%	774	783	9	1.2%
84.0%	771	781	10	1.3%
85.2%	759	764	5	0.6%
86.4%	758	763	4	0.6%
87.7%	756	762	6	0.8%
88.9%	747	760	13	1.7%
90.1%	738	742	4	0.5%
91.4%	735	739	4	0.5%
92.6%	731	735	4	0.5%
93.8%	721	732	10	1.5%
95.1%	704	719	15	2.1%
96.3%	701	714	13	1.8%
97.5%	697	711	13	1.9%
98.8%	679	702	23	3.3%
100.0%	593	632	39	6.5%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	895	895	0	0.0%
1.2%	893	893	0	0.0%
2.5%	891	891	0	0.0%
3.7%	891	891	0	0.0%
4.9%	890	890	0	0.0%
6.2%	888	888	0	0.0%
7.4%	887	887	0	0.0%
8.6%	887	887	0	0.0%
9.9%	886	886	0	0.0%
11.1%	884	884	0	0.0%
12.3%	884	884	0	0.0%
13.6%	883	883	0	0.0%
14.8%	883	883	0	0.0%
16.0%	882	882	0	0.0%
17.3%	882	882	0	0.0%
18.5%	879	879	0	0.0%
19.8%	879	879	0	0.0%
21.0%	879	879	0	0.0%
22.2%	879	879	0	0.0%
23.5%	878	878	0	0.0%
24.7%	877	877	0	0.0%
25.9%	877	877	0	0.0%
27.2%	877	877	0	0.0%
28.4%	876	876	0	0.0%
29.6%	876	876	0	0.0%
30.9%	876	874	-1	-0.2%
32.1%	874	874	0	0.0%
33.3%	874	874	0	0.0%
34.6%	874	874	0	0.0%
35.8%	872	872	0	0.0%
37.0%	871	871	0	0.0%
38.3%	871	870	-1	-0.1%
39.5%	870	870	0	0.0%
40.7%	869	869	0	0.0%
42.0%	868	868	0	0.0%
43.2%	867	868	1	0.1%
44.4%	867	867	0	0.0%
45.7%	866	866	0	0.0%
46.9%	864	864	0	0.0%
48.1%	864	864	0	0.0%
49.4%	863	863	0	0.0%
50.6%	863	863	0	0.0%
51.9%	856	858	3	0.3%
53.1%	851	856	4	0.5%
54.3%	850	851	1	0.1%
55.6%	850	850	1	0.1%
56.8%	847	850	3	0.4%
58.0%	845	850	4	0.5%
59.3%	839	847	8	0.9%
60.5%	834	841	7	0.9%
61.7%	832	833	1	0.1%
63.0%	831	833	2	0.2%
64.2%	829	831	2	0.3%
65.4%	826	831	5	0.6%
66.7%	820	830	10	1.2%
67.9%	814	829	15	1.8%
69.1%	814	828	14	1.7%
70.4%	814	816	3	0.3%
71.6%	811	816	5	0.6%
72.8%	807	814	8	0.9%
74.1%	807	813	6	0.8%
75.3%	804	812	8	1.0%
76.5%	798	801	2	0.3%
77.8%	796	798	2	0.2%
79.0%	791	794	3	0.4%
80.2%	791	793	2	0.3%
81.5%	789	791	2	0.2%
82.7%	784	790	6	0.8%
84.0%	778	789	11	1.4%
85.2%	774	780	7	0.9%
86.4%	766	770	4	0.5%
87.7%	763	764	1	0.1%
88.9%	746	750	4	0.5%
90.1%	735	748	13	1.8%
91.4%	725	736	10	1.4%
92.6%	720	735	15	2.0%
93.8%	720	724	3	0.5%
95.1%	704	717	13	1.8%
96.3%	700	715	15	2.1%
97.5%	688	707	19	2.7%
98.8%	675	693	17	2.6%
100.0%	585	622	37	6.4%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	900	900	0	0.0%
1.2%	900	900	0	0.0%
2.5%	900	900	0	0.0%
3.7%	900	900	0	0.0%
4.9%	900	900	0	0.0%
6.2%	898	898	0	0.0%
7.4%	894	894	0	0.0%
8.6%	894	894	0	0.0%
9.9%	894	893	0	0.0%
11.1%	889	889	0	0.0%
12.3%	888	888	0	0.0%
13.6%	888	888	0	0.0%
14.8%	886	886	0	0.0%
16.0%	884	883	-1	-0.1%
17.3%	883	883	0	0.0%
18.5%	881	881	0	0.0%
19.8%	880	880	0	0.0%
21.0%	877	877	0	0.0%
22.2%	877	877	0	0.0%
23.5%	877	877	0	0.0%
24.7%	876	876	0	0.0%
25.9%	876	876	0	0.0%
27.2%	876	876	0	0.0%
28.4%	875	875	0	0.0%
29.6%	872	872	0	0.0%
30.9%	872	872	0	0.0%
32.1%	872	872	0	0.0%
33.3%	868	868	0	0.0%
34.6%	868	868	0	0.0%
35.8%	868	868	0	0.0%
37.0%	867	867	-1	-0.1%
38.3%	867	867	0	0.0%
39.5%	867	867	0	0.0%
40.7%	866	867	1	0.1%
42.0%	865	864	0	0.0%
43.2%	864	864	0	0.0%
44.4%	862	861	0	0.0%
45.7%	861	861	0	0.1%
46.9%	859	859	0	0.0%
48.1%	857	857	0	0.0%
49.4%	854	854	1	0.1%
50.6%	853	853	0	0.0%
51.9%	848	849	1	0.1%
53.1%	848	848	0	0.0%
54.3%	848	848	0	0.0%
55.6%	847	847	0	0.0%
56.8%	844	846	3	0.3%
58.0%	842	845	3	0.3%
59.3%	836	842	6	0.7%
60.5%	835	832	-3	-0.3%
61.7%	829	832	3	0.4%
63.0%	825	831	5	0.6%
64.2%	824	830	6	0.8%
65.4%	819	829	10	1.2%
66.7%	812	825	13	1.6%
67.9%	809	820	10	1.3%
69.1%	803	815	12	1.5%
70.4%	801	814	13	1.7%
71.6%	799	805	6	0.8%
72.8%	796	804	7	0.9%
74.1%	790	800	9	1.2%
75.3%	789	799	10	1.3%
76.5%	787	797	10	1.3%
77.8%	786	793	7	0.8%
79.0%	786	790	4	0.5%
80.2%	785	785	0	0.1%
81.5%	783	783	-1	-0.1%
82.7%	777	783	6	0.8%
84.0%	776	781	6	0.7%
85.2%	767	768	1	0.2%
86.4%	764	765	1	0.2%
87.7%	757	762	6	0.7%
88.9%	730	741	11	1.6%
90.1%	718	718	0	0.0%
91.4%	710	717	7	1.0%
92.6%	709	713	5	0.6%
93.8%	708	710	2	0.3%
95.1%	701	706	5	0.7%
96.3%	685	704	19	2.8%
97.5%	674	692	17	2.6%
98.8%	665	679	14	2.1%
100.0%	579	616	37	6.4%

Table SW-19-b

Lake Oroville, End of Month Elevation

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	898	895	-3	-0.3%
1.2%	893	894	1	0.1%
2.5%	893	889	-4	-0.4%
3.7%	889	889	0	0.0%
4.9%	888	888	0	0.0%
6.2%	886	886	0	0.0%
7.4%	883	886	2	0.3%
8.6%	883	884	1	0.1%
9.9%	882	883	1	0.1%
11.1%	879	878	-2	-0.2%
12.3%	879	877	-2	-0.2%
13.6%	877	876	-1	-0.1%
14.8%	869	869	0	0.0%
16.0%	865	869	4	0.4%
17.3%	864	868	3	0.4%
18.5%	863	866	3	0.3%
19.8%	862	865	2	0.3%
21.0%	861	864	3	0.4%
22.2%	858	863	5	0.6%
23.5%	858	861	3	0.3%
24.7%	856	858	3	0.3%
25.9%	853	858	5	0.6%
27.2%	853	858	4	0.5%
28.4%	852	857	5	0.6%
29.6%	851	856	6	0.7%
30.9%	850	853	3	0.4%
32.1%	849	852	3	0.4%
33.3%	847	852	5	0.5%
34.6%	846	852	5	0.6%
35.8%	846	851	5	0.6%
37.0%	845	849	4	0.5%
38.3%	844	849	5	0.6%
39.5%	843	848	5	0.6%
40.7%	843	848	5	0.6%
42.0%	842	846	4	0.4%
43.2%	842	845	3	0.4%
44.4%	841	844	3	0.4%
45.7%	840	844	4	0.5%
46.9%	839	841	3	0.3%
48.1%	836	839	3	0.3%
49.4%	835	837	3	0.3%
50.6%	833	836	2	0.3%
51.9%	830	833	3	0.3%
53.1%	830	833	3	0.4%
54.3%	829	833	4	0.4%
55.6%	825	831	6	0.7%
56.8%	822	828	6	0.7%
58.0%	809	827	18	2.2%
59.3%	807	819	11	1.4%
60.5%	802	814	12	1.4%
61.7%	802	812	10	1.2%
63.0%	800	811	12	1.5%
64.2%	793	809	17	2.1%
65.4%	788	808	21	2.6%
66.7%	787	802	15	1.9%
67.9%	784	796	12	1.5%
69.1%	778	787	9	1.1%
70.4%	772	787	15	1.9%
71.6%	770	784	14	1.8%
72.8%	770	782	12	1.5%
74.1%	770	774	4	0.6%
75.3%	769	771	1	0.2%
76.5%	769	770	1	0.1%
77.8%	766	770	4	0.5%
79.0%	762	766	4	0.5%
80.2%	761	765	4	0.5%
81.5%	761	764	4	0.5%
82.7%	760	759	-1	-0.1%
84.0%	757	755	-2	-0.2%
85.2%	741	751	11	1.4%
86.4%	739	747	8	1.0%
87.7%	739	740	2	0.2%
88.9%	702	725	22	3.2%
90.1%	693	701	8	1.2%
91.4%	690	695	5	0.7%
92.6%	690	691	1	0.2%
93.8%	683	679	-4	-0.6%
95.1%	679	676	-2	-0.3%
96.3%	665	675	10	1.5%
97.5%	655	672	17	2.6%
98.8%	647	665	18	2.8%
100.0%	571	608	37	6.5%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	871	878	7	0.8%
1.2%	866	864	-2	-0.2%
2.5%	856	863	8	0.9%
3.7%	855	862	7	0.9%
4.9%	854	857	4	0.4%
6.2%	851	852	1	0.1%
7.4%	851	852	1	0.1%
8.6%	849	852	3	0.4%
9.9%	845	846	1	0.1%
11.1%	840	843	3	0.4%
12.3%	835	842	7	0.8%
13.6%	835	839	4	0.4%
14.8%	834	838	4	0.4%
16.0%	834	838	4	0.5%
17.3%	824	834	10	1.2%
18.5%	823	834	11	1.3%
19.8%	822	834	11	1.4%
21.0%	822	830	8	1.0%
22.2%	818	826	8	0.9%
23.5%	818	822	4	0.4%
24.7%	817	821	5	0.6%
25.9%	814	820	6	0.7%
27.2%	805	819	15	1.8%
28.4%	804	819	15	1.8%
29.6%	803	817	13	1.6%
30.9%	802	815	13	1.6%
32.1%	801	813	12	1.5%
33.3%	800	812	12	1.5%
34.6%	800	801	1	0.1%
35.8%	796	801	4	0.5%
37.0%	796	800	4	0.6%
38.3%	795	800	5	0.6%
39.5%	792	800	8	1.0%
40.7%	789	799	10	1.2%
42.0%	789	799	10	1.3%
43.2%	788	799	10	1.3%
44.4%	788	797	10	1.2%
45.7%	786	797	11	1.4%
46.9%	785	796	11	1.4%
48.1%	783	792	9	1.2%
49.4%	781	789	8	1.1%
50.6%	775	787	12	1.6%
51.9%	774	787	13	1.7%
53.1%	771	786	15	2.0%
54.3%	771	782	12	1.5%
55.6%	769	781	13	1.6%
56.8%	756	776	21	2.7%
58.0%	742	770	28	3.7%
59.3%	742	762	19	2.6%
60.5%	739	756	17	2.3%
61.7%	736	753	17	2.3%
63.0%	735	750	15	2.1%
64.2%	733	748	15	2.0%
65.4%	731	745	13	1.8%
66.7%	730	744	13	1.8%
67.9%	728	741	13	1.9%
69.1%	726	739	14	1.9%
70.4%	725	738	13	1.8%
71.6%	724	728	4	0.5%
72.8%	721	727	7	1.0%
74.1%	720	727	7	1.0%
75.3%	712	725	13	1.8%
76.5%	710	724	14	1.9%
77.8%	709	719	9	1.3%
79.0%	709	718	9	1.3%
80.2%	708	709	1	0.1%
81.5%	708	708	0	0.0%
82.7%	707	704	-3	-0.4%
84.0%	707	702	-5	-0.7%
85.2%	697	700	3	0.5%
86.4%	692	698	6	0.9%
87.7%	686	697	11	1.6%
88.9%	666	696	29	4.4%
90.1%	665	684	19	2.8%
91.4%	665	674	9	1.3%
92.6%	665	665	0	0.0%
93.8%	665	656	-8	-1.3%
95.1%	654	650	-4	-0.6%
96.3%	635	650	16	2.4%
97.5%	624	647	23	3.7%
98.8%	622	635	12	2.0%
100.0%	560	602	42	7.5%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	858	865	8	0.9%
1.2%	838	846	9	1.1%
2.5%	836	841	5	0.6%
3.7%	836	839	3	0.3%
4.9%	835	837	2	0.3%
6.2%	831	835	4	0.5%
7.4%	826	827	2	0.2%
8.6%	817	825	8	1.0%
9.9%	811	822	11	1.4%
11.1%	803	818	15	1.8%
12.3%	797	806	10	1.2%
13.6%	796	804	8	1.0%
14.8%	796	802	7	0.8%
16.0%	796	802	6	0.8%
17.3%	793	799	6	0.8%
18.5%	788	798	10	1.3%
19.8%	776	797	21	2.7%
21.0%	775	794	18	2.4%
22.2%	772	790	18	2.3%
23.5%	768	778	10	1.3%
24.7%	768	773	5	0.7%
25.9%	767	773	6	0.8%
27.2%	756	773	17	2.2%
28.4%	755	772	17	2.3%
29.6%	755	770	15	2.0%
30.9%	753	768	15	2.0%
32.1%	752	765	13	1.7%
33.3%	751	764	13	1.7%
34.6%	751	763	12	1.6%
35.8%	750	763	12	1.7%
37.0%	750	762	12	1.6%
38.3%	744	760	16	2.2%
39.5%	744	760	16	2.1%
40.7%	743	758	15	2.0%
42.0%	741	757	17	2.3%
43.2%	740	756	16	2.2%
44.4%	740	753	13	1.7%
45.7%	738	751	13	1.7%
46.9%	738	750	12	1.6%
48.1%	737	748	12	1.6%
49.4%	734	747	13	1.7%
50.6%	732	747	14	2.0%
51.9%	732	746	15	2.0%
53.1%	730	739	9	1.2%
54.3%	730	739	8	1.1%
55.6%	723	737	15	2.0%
56.8%	720	735	15	2.1%
58.0%	716	730	15	2.0%
59.3%	710	720	11	1.5%
60.5%	709	712	3	0.5%
61.7%	708	712	3	0.5%
63.0%	708	710	3	0.4%
64.2%	707	709	2	0.3%
65.4%	705	708	3	0.4%
66.7%	703	706	4	0.5%
67.9%	698	704	6	0.9%
69.1%	698	704	6	0.8%
70.4%	694	704	10	1.4%
71.6%	693	703	11	1.5%
72.8%	689	702	13	1.9%
74.1%	687	701	14	2.0%
75.3%	685	701	15	2.3%
76.5%	685	701	16	2.3%
77.8%	684	700	16	2.3%
79.0%	683	699	16	2.3%
80.2%	677	698	21	3.1%
81.5%	677	695	19	2.8%
82.7%	675	682	7	1.1%
84.0%	670	682	11	1.7%
85.2%	667	677	10	1.5%
86.4%	666	677	11	1.7%
87.7%	665	676	11	1.7%
88.9%	652	671	19	2.9%
90.1%	650	671	21	3.2%
91.4%	645	665	20	3.1%
92.6%	643	644	1	0.1%
93.8%	640	644	3	0.5%
95.1%	627	638	11	1.8%
96.3%	621	628	6	1.0%
97.5%	621	628	7	1.1%
98.8%	613	621	8	1.4%
100.0%	554	598	45	8.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	832	843	11	1.3%
1.2%	824	836	12	1.4%
2.5%	814	814	1	0.1%
3.7%	804	812	9	1.1%
4.9%	790	796	7	0.8%
6.2%	783	794	11	1.3%
7.4%	779	792	13	1.7%
8.6%	772	776	4	0.5%
9.9%	771	773	2	0.3%
11.1%	759	771	12	1.6%
12.3%	754	771	16	2.1%
13.6%	742	761	18	2.5%
14.8%	741	759	18	2.4%
16.0%	739	752	14	1.9%
17.3%	735	749	14	1.9%
18.5%	735	749	14	1.9%
19.8%	733	749	15	2.1%
21.0%	728	747	19	2.6%
22.2%	728	746	19	2.6%
23.5%	726	746	20	2.7%
24.7%	721	735	15	2.0%
25.9%	721	735	14	1.9%
27.2%	720	732	12	1.7%
28.4%	718	731	14	1.9%
29.6%	714	731	17	2.3%
30.9%	714	730	16	2.2%
32.1%	713	724	11	1.5%
33.3%	710	721	11	1.6%
34.6%	710	719	10	1.3%
35.8%	709	719	10	1.4%
37.0%	709	719	10	1.4%
38.3%	701	718	17	2.4%
39.5%	701	718	17	2.4%
40.7%	700	717	17	2.4%
42.0%	699	712	13	1.8%
43.2%	698	710	12	1.7%
44.4%	698	708	10	1.4%
45.7%	697	708	11	1.6%
46.9%	697	707	11	1.5%
48.1%	696	704	8	1.2%
49.4%	696	703	8	1.1%
50.6%	693	703	9	1.4%
51.9%	692	702	10	1.4%
53.1%	692	701	9	1.3%
54.3%	692	699	7	1.1%
55.6%	686	698	12	1.7%
56.8%	685	697	12	1.8%
58.0%	685	695	11	1.6%
59.3%	683	695	12	1.8%
60.5%	681	695	13	1.9%
61.7%	681	694	13	1.9%
63.0%	681	694	13	1.9%
64.2%	681	694	13	1.9%
65.4%	681	693	12	1.8%
66.7%	679	691	12	1.8%
67.9%	678	690	12	1.8%
69.1%	677	690	13	1.9%
70.4%	676	690	14	2.0%
71.6%	675	687	12	1.8%
72.8%	674	687	12	1.8%
74.1%	673	683	10	1.5%
75.3%	669	682	13	1.9%
76.5%	669	681	12	1.7%
77.8%	668	678	10	1.5%
79.0%	666	677	11	1.7%
80.2%	666	676	10	1.5%
81.5%	666	675	9	1.4%
82.7%	665	673	8	1.1%
84.0%	665	671	5	0.8%
85.2%	661	669	8	1.2%
86.4%	647	666	19	3.0%
87.7%	647	666	19	2.9%
88.9%	646	666	19	3.0%
90.1%	641	665	25	3.8%
91.4%	640	657	17	2.7%
92.6%	637	639	2	0.3%
93.8%	637	633	-4	-0.7%
95.1%	622	628	6	1.0%
96.3%	622	624	2	0.4%
97.5%	619	624	5	0.8%
98.8%	617	622	6	0.9%
100.0%	566	604	39	6.9%

Figure SW-20-b
Lake Oroville, End of Month Area
Probability of Exceedance

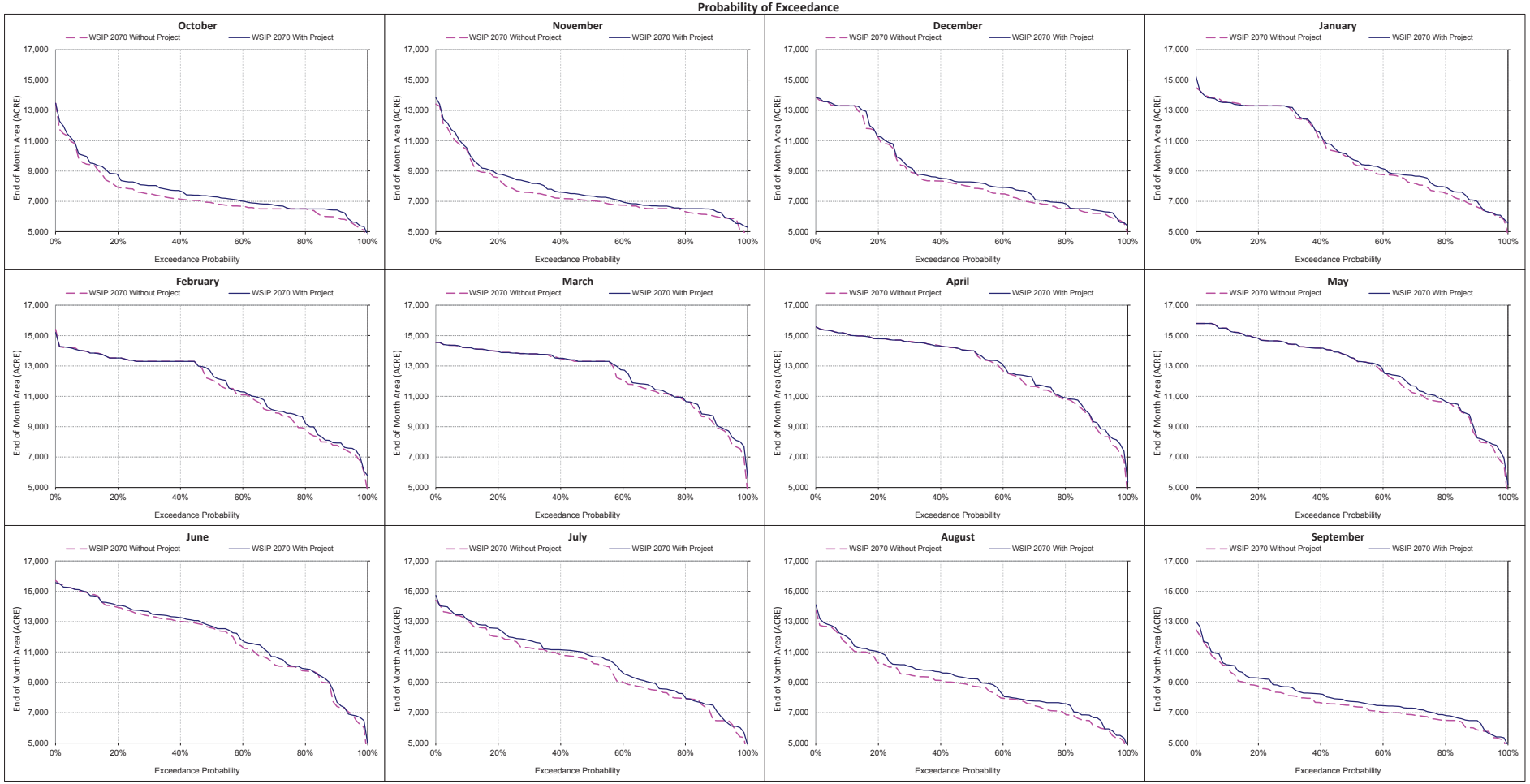


Table SW-20-b

Lake Oroville, End of Month Area

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,474	13,474	0	0.0%
1.2%	11,744	12,288	544	4.6%
2.5%	11,470	11,954	484	4.2%
3.7%	11,329	11,470	141	1.2%
4.9%	10,939	11,194	255	2.3%
6.2%	10,806	10,889	83	0.8%
7.4%	9,806	10,131	326	3.3%
8.6%	9,569	10,045	476	5.0%
9.9%	9,455	9,954	499	5.3%
11.1%	9,421	9,526	105	1.1%
12.3%	9,393	9,486	93	1.0%
13.6%	9,053	9,356	303	3.3%
14.8%	8,798	9,305	508	5.8%
16.0%	8,412	9,097	684	8.1%
17.3%	8,282	8,847	565	6.8%
18.5%	8,120	8,832	711	8.8%
19.8%	7,938	8,787	849	10.7%
21.0%	7,886	8,368	481	6.1%
22.2%	7,881	8,307	426	5.4%
23.5%	7,829	8,286	457	5.8%
24.7%	7,819	8,274	454	5.8%
25.9%	7,604	8,207	603	7.9%
27.2%	7,599	8,097	497	6.5%
28.4%	7,540	8,072	532	7.1%
29.6%	7,487	8,046	559	7.5%
30.9%	7,475	8,046	571	7.6%
32.1%	7,411	8,035	624	8.4%
33.3%	7,365	7,892	527	7.2%
34.6%	7,312	7,827	515	7.0%
35.8%	7,250	7,785	535	7.4%
37.0%	7,211	7,738	527	7.3%
38.3%	7,173	7,718	546	7.6%
39.5%	7,164	7,711	547	7.6%
40.7%	7,125	7,607	481	6.8%
42.0%	7,095	7,427	332	4.7%
43.2%	7,083	7,419	336	4.7%
44.4%	7,059	7,412	352	5.0%
45.7%	7,056	7,408	352	5.0%
46.9%	6,996	7,380	384	5.5%
48.1%	6,946	7,366	419	6.0%
49.4%	6,936	7,335	399	5.8%
50.6%	6,878	7,303	425	6.2%
51.9%	6,807	7,278	470	6.9%
53.1%	6,793	7,214	421	6.2%
54.3%	6,754	7,198	444	6.6%
55.6%	6,732	7,175	443	6.6%
56.8%	6,696	7,136	440	6.6%
58.0%	6,696	7,094	398	5.9%
59.3%	6,682	7,025	343	5.1%
60.5%	6,670	6,992	322	4.8%
61.7%	6,592	6,931	339	5.1%
63.0%	6,591	6,894	303	4.6%
64.2%	6,532	6,876	344	5.3%
65.4%	6,507	6,844	337	5.2%
66.7%	6,507	6,827	321	4.9%
67.9%	6,507	6,823	317	4.9%
69.1%	6,506	6,790	284	4.4%
70.4%	6,505	6,732	227	3.5%
71.6%	6,505	6,703	199	3.1%
72.8%	6,504	6,682	178	2.7%
74.1%	6,504	6,559	56	0.9%
75.3%	6,504	6,506	2	0.0%
76.5%	6,503	6,506	3	0.0%
77.8%	6,503	6,506	3	0.0%
79.0%	6,503	6,505	2	0.0%
80.2%	6,502	6,505	2	0.0%
81.5%	6,406	6,504	98	1.5%
82.7%	6,391	6,503	112	1.8%
84.0%	6,188	6,503	316	5.1%
85.2%	6,042	6,503	461	7.6%
86.4%	6,007	6,503	496	8.3%
87.7%	5,988	6,447	459	7.7%
88.9%	5,986	6,436	450	7.5%
90.1%	5,939	6,433	494	8.3%
91.4%	5,831	6,304	473	8.1%
92.6%	5,809	6,237	429	7.4%
93.8%	5,701	5,849	148	2.6%
95.1%	5,554	5,637	83	1.5%
96.3%	5,378	5,607	229	4.3%
97.5%	5,216	5,377	161	3.1%
98.8%	5,101	5,326	225	4.4%
100.0%	3,760	4,786	1,026	27.3%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,414	13,831	417	3.1%
1.2%	13,263	13,412	149	1.1%
2.5%	12,013	12,383	370	3.1%
3.7%	11,851	12,189	338	2.8%
4.9%	11,358	11,746	388	3.4%
6.2%	11,015	11,535	520	4.7%
7.4%	10,785	11,056	271	2.5%
8.6%	10,590	10,785	196	1.8%
9.9%	10,416	10,540	124	1.2%
11.1%	9,777	9,999	222	2.3%
12.3%	9,251	9,641	390	4.2%
13.6%	8,997	9,437	440	4.9%
14.8%	8,918	9,190	273	3.1%
16.0%	8,909	9,161	252	2.8%
17.3%	8,888	9,060	173	1.9%
18.5%	8,621	8,967	346	4.0%
19.8%	8,568	8,791	224	2.6%
21.0%	8,275	8,784	509	6.2%
22.2%	8,044	8,707	663	8.2%
23.5%	7,926	8,616	690	8.7%
24.7%	7,839	8,536	698	8.9%
25.9%	7,690	8,418	729	9.5%
27.2%	7,629	8,394	766	10.0%
28.4%	7,597	8,326	729	9.6%
29.6%	7,593	8,278	685	9.0%
30.9%	7,574	8,184	610	8.1%
32.1%	7,511	8,176	665	8.8%
33.3%	7,508	8,142	635	8.5%
34.6%	7,444	8,034	590	7.9%
35.8%	7,396	7,808	412	5.6%
37.0%	7,310	7,795	485	6.6%
38.3%	7,218	7,661	443	6.1%
39.5%	7,207	7,611	405	5.6%
40.7%	7,179	7,592	413	5.8%
42.0%	7,177	7,554	376	5.2%
43.2%	7,170	7,509	339	4.7%
44.4%	7,133	7,505	372	5.2%
45.7%	7,132	7,476	344	4.8%
46.9%	7,088	7,425	337	4.8%
48.1%	7,073	7,363	290	4.1%
49.4%	7,043	7,347	304	4.3%
50.6%	7,031	7,341	310	4.4%
51.9%	7,003	7,283	280	4.0%
53.1%	6,973	7,263	290	4.2%
54.3%	6,885	7,262	377	5.5%
55.6%	6,821	7,226	405	5.9%
56.8%	6,786	7,146	360	5.3%
58.0%	6,775	7,094	319	4.7%
59.3%	6,753	7,014	261	3.9%
60.5%	6,749	6,933	184	2.7%
61.7%	6,728	6,878	151	2.2%
63.0%	6,696	6,838	142	2.1%
64.2%	6,692	6,835	143	2.1%
65.4%	6,582	6,782	201	3.1%
66.7%	6,554	6,746	192	2.9%
67.9%	6,520	6,745	225	3.5%
69.1%	6,519	6,708	189	2.9%
70.4%	6,519	6,703	184	2.8%
71.6%	6,519	6,694	175	2.7%
72.8%	6,518	6,685	166	2.5%
74.1%	6,518	6,684	166	2.5%
75.3%	6,518	6,631	113	1.7%
76.5%	6,513	6,571	58	0.9%
77.8%	6,513	6,566	53	0.8%
79.0%	6,384	6,523	138	2.2%
80.2%	6,301	6,520	219	3.5%
81.5%	6,246	6,519	273	4.4%
82.7%	6,209	6,519	309	5.0%
84.0%	6,186	6,518	332	5.4%
85.2%	6,149	6,516	368	6.0%
86.4%	6,140	6,507	367	6.0%
87.7%	6,103	6,501	398	6.5%
88.9%	6,040	6,439	399	6.6%
90.1%	5,981	6,317	336	5.6%
91.4%	5,929	6,251	322	5.4%
92.6%	5,900	5,957	57	1.0%
93.8%	5,878	5,885	7	0.1%
95.1%	5,867	5,767	-100	-1.7%
96.3%	5,850	5,543	-307	-5.2%
97.5%	5,052	5,539	486	9.6%
98.8%	5,005	5,381	375	7.5%
100.0%	4,402	5,291	889	20.2%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,866	13,862	-3	0.0%
1.2%	13,657	13,777	120	0.9%
2.5%	13,567	13,567	0	0.0%
3.7%	13,564	13,564	0	0.0%
4.9%	13,344	13,492	148	1.1%
6.2%	13,306	13,344	38	0.3%
7.4%	13,304	13,304	0	0.0%
8.6%	13,304	13,304	0	0.0%
9.9%	13,304	13,304	0	0.0%
11.1%	13,304	13,304	0	0.0%
12.3%	13,304	13,304	0	0.0%
13.6%	12,959	13,261	302	2.3%
14.8%	12,761	13,027	266	2.1%
16.0%	11,806	12,928	1,122	9.5%
17.3%	11,790	11,995	206	1.7%
18.5%	11,725	11,790	64	0.5%
19.8%	11,294	11,293	-1	0.0%
21.0%	10,846	11,230	384	3.5%
22.2%	10,816	10,994	178	1.6%
23.5%	10,748	10,872	124	1.2%
24.7%	10,502	10,794	292	2.8%
25.9%	9,748	9,928	180	1.8%
27.2%	9,385	9,801	417	4.4%
28.4%	9,343	9,528	186	2.0%
29.6%	9,015	9,274	258	2.9%
30.9%	8,886	9,162	276	3.1%
32.1%	8,858	8,786	-72	-0.8%
33.3%	8,529	8,772	242	2.8%
34.6%	8,405	8,748	343	4.1%
35.8%	8,354	8,698	345	4.1%
37.0%	8,351	8,618	267	3.2%
38.3%	8,345	8,597	253	3.0%
39.5%	8,338	8,535	197	2.4%
40.7%	8,332	8,502	170	2.0%
42.0%	8,226	8,480	254	3.1%
43.2%	8,221	8,412	190	2.3%
44.4%	8,173	8,314	141	1.7%
45.7%	8,134	8,281	148	1.8%
46.9%	8,075	8,279	204	2.5%
48.1%	8,015	8,278	263	3.3%
49.4%	7,977	8,276	299	3.8%
50.6%	7,857	8,270	412	5.2%
51.9%	7,850	8,226	376	4.8%
53.1%	7,821	8,188	367	4.7%
54.3%	7,802	8,165	363	4.7%
55.6%	7,636	8,027	390	5.1%
56.8%	7,537	7,976	440	5.8%
58.0%	7,526	7,943	416	5.5%
59.3%	7,492	7,923	431	5.8%
60.5%	7,485	7,913	428	5.7%
61.7%	7,417	7,910	493	6.6%
63.0%	7,271	7,874	603	8.3%
64.2%	7,227	7,740	513	7.1%
65.4%	7,120	7,706	586	8.2%
66.7%	7,012	7,692	680	9.7%
67.9%	6,981	7,614	633	9.1%
69.1%	6,936	7,465	529	7.6%
70.4%	6,878	7,094	216	3.1%
71.6%	6,870	7,087	217	3.2%
72.8%	6,810	7,066	257	3.8%
74.1%	6,804	7,014	210	3.1%
75.3%	6,691	6,963	273	4.1%
76.5%	6,659	6,940	281	4.2%
77.8%	6,523	6,932	409	6.3%
79.0%	6,523	6,913	390	6.0%
80.2%	6,523	6,817	294	4.5%
81.5%	6,522	6,558	35	0.5%
82.7%	6,520	6,524	4	0.1%
84.0%	6,464	6,524	60	0.9%
85.2%	6,357	6,524	166	2.6%
86.4%	6,280	6,523	243	3.9%
87.7%	6,269	6,523	254	4.1%
88.9%	6,207	6,434	226	3.6%
90.1%	6,205	6,391	185	3.0%
91.4%	6,203	6,367	164	2.6%
92.6%	6,180	6,318	138	2.2%
93.8%	6,019	6,296	277	4.6%
95.1%	5,905	6,241	336	5.7%
96.3%	5,797	5,931	134	2.3%
97.5%	5,743	5,602	-142	-2.5%
98.8%	5,557	5,598	41	0.7%
100.0%	4,841	5,374	534	11.0%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,504	15,256	752	5.2%
1.2%	14,314	14,314	0	0.0%
2.5%	14,034	14,034	0	0.0%
3.7%	13,924	13,821	-103	-0.7%
4.9%	13,821	13,811	-10	-0.1%
6.2%	13,811	13,757	-53	-0.4%
7.4%	13,757	13,577	-180	-1.3%
8.6%	13,577	13,524	-53	-0.4%
9.9%	13,524	13,524	0	0.0%
11.1%	13,524	13,497	-27	-0.2%
12.3%	13,497	13,407	-91	-0.7%
13.6%	13,453	13,365	-88	-0.7%
14.8%	13,374	13,324	-50	-0.4%
16.0%	13,324	13,304	-20	-0.2%
17.3%	13,304	13,304	0	0.0%
18.5%	13,304	13,304	0	0.0%
19.8%	13,304	13,304	0	0.0%
21.0%	13,304	13,304	0	0.0%
22.2%	13,304	13,304	0	0.0%
23.5%	13,304	13,304	0	0.0%
24.7%	13,304	13,304	0	0.0%
25.9%	13,304	13,304	0	0.0%
27.2%	13,301	13,301	0	0.0%
28.4%	13,301	13,301	0	0.0%
29.6%	13,251	13,205	-46	-0.3%
30.9%	12,995	13,191	196	1.5%
32.1%	12,481	12,839	358	2.9%
33.3%	12,423	12,548	126	1.0%
34.6%	12,416	12,428	12	0.1%
35.8%	12,354	12,423	69	0.6%
37.0%	11,987	12,146	159	1.3%
38.3%	11,701	11,666	-35	-0.3%
39.5%	11,110	11,564	454	4.1%
40.7%	11,016	11,105	89	0.8%
42.0%	10,422	10,797	375	3.6%
43.2%	10,368	10,769	400	3.9%
44.4%	10,311	10,498	187	1.8%
45.7%	10,261	10,270	8	0.1%
46.9%	10,104	10,187	83	0.8%
48.1%	9,961	10,132	171	1.7%
49.4%	9,943	9,874	-69	-0.7%
50.6%	9,456	9,742	286	3.0%
51.9%	9,348	9,672	324	3.5%
53.1%	9,336	9,433	97	1.0%
54.3%	9,117	9,389	271	3.0%
55.6%	9,054	9,387	332	3.7%
56.8%	9,015	9,332	316	3.5%
58.0%	8,801	9,310	509	5.8%
59.3%	8,778	9,190	412	4.7%
60.5%	8,746	9,110	364	4.2%
61.7%	8,740	8,899	159	1.8%
63.0%	8,725	8,820	95	1.1%
64.2%	8,694	8,808	114	1.3%
65.4%	8,591	8,794	203	2.4%
66.7%	8,524	8,740	215	2.5%
67.9%	8,272	8,719	447	5.4%
69.1%	8,211	8,699	489	6.0%
70.4%	8,170	8,659	489	6.0%
71.6%	8,071	8,657	586	7.3%
72.8%	8,061	8,603	541	6.7%
74.1%	7,935	8,532	597	7.5%
75.3%	7,715	8,199	483	6.3%
76.5%	7,671	8,047	377	4.9%
77.8%	7,630	7,977	347	4.5%
79.0%	7,611	7,974	363	4.8%
80.2%	7,505	7,923	418	5.6%
81.5%	7,490	7,746	256	3.4%
82.7%	7,266	7,633	367	5.0%
84.0%	7,169	7,614	446	6.2%
85.2%	7,147	7,612	465	6.5%
86.4%	6,974	7,413	439	6.3%
87.7%	6,842	7,097	256	3.7%
88.9%	6,810	7,079	270	4.0%
90.1%	6,626	6,993	367	5.5%
91.4%	6,526	6,630	103	1.6%
92.6%	6,313	6,355	42	0.7%
93.8%	6,271	6,288	17	0.3%
95.1%	6,258	6,230	-29	-0.5%
96.3%	5,991	6,099	108	1.8%
97.5%	5,963	6,094	131	2.2%
98.8%	5,788	5,829	41	0.7%
100.0%	4,816	5,570	754	15.7%

Table SW-20-b

Lake Oroville, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,413	15,195	-218	-1.4%
1.2%	14,271	14,271	0	0.0%
2.5%	14,224	14,255	31	0.2%
3.7%	14,222	14,224	2	0.0%
4.9%	14,204	14,201	-4	0.0%
6.2%	14,201	14,115	-85	-0.6%
7.4%	14,041	14,041	0	0.0%
8.6%	14,001	14,001	0	0.0%
9.9%	13,967	13,967	0	0.0%
11.1%	13,851	13,851	0	0.0%
12.3%	13,847	13,847	0	0.0%
13.6%	13,845	13,815	-30	-0.2%
14.8%	13,761	13,761	0	0.0%
16.0%	13,644	13,644	0	0.0%
17.3%	13,531	13,531	0	0.0%
18.5%	13,531	13,531	0	0.0%
19.8%	13,531	13,531	0	0.0%
21.0%	13,521	13,521	0	0.0%
22.2%	13,451	13,451	0	0.0%
23.5%	13,387	13,387	0	0.0%
24.7%	13,364	13,364	0	0.0%
25.9%	13,304	13,304	0	0.0%
27.2%	13,304	13,304	0	0.0%
28.4%	13,304	13,304	0	0.0%
29.6%	13,304	13,304	0	0.0%
30.9%	13,304	13,304	0	0.0%
32.1%	13,304	13,304	0	0.0%
33.3%	13,304	13,304	0	0.0%
34.6%	13,304	13,304	0	0.0%
35.8%	13,304	13,304	0	0.0%
37.0%	13,304	13,304	0	0.0%
38.3%	13,304	13,304	0	0.0%
39.5%	13,304	13,304	0	0.0%
40.7%	13,304	13,304	0	0.0%
42.0%	13,304	13,304	0	0.0%
43.2%	13,304	13,304	0	0.0%
44.4%	13,301	13,301	0	0.0%
45.7%	13,048	12,998	-51	-0.4%
46.9%	12,837	12,960	123	1.0%
48.1%	12,227	12,885	658	5.4%
49.4%	12,133	12,716	583	4.8%
50.6%	12,026	12,308	283	2.3%
51.9%	11,924	12,165	241	2.0%
53.1%	11,650	12,099	449	3.9%
54.3%	11,532	12,051	520	4.5%
55.6%	11,520	11,560	40	0.3%
56.8%	11,518	11,443	-75	-0.6%
58.0%	11,133	11,392	259	2.3%
59.3%	11,097	11,295	198	1.8%
60.5%	11,094	11,281	187	1.7%
61.7%	11,069	11,129	60	0.5%
63.0%	10,858	11,013	155	1.4%
64.2%	10,700	10,969	268	2.5%
65.4%	10,558	10,897	340	3.2%
66.7%	10,173	10,770	597	5.9%
67.9%	10,081	10,291	210	2.1%
69.1%	10,043	10,139	97	1.0%
70.4%	9,915	10,075	160	1.6%
71.6%	9,881	10,011	130	1.3%
72.8%	9,712	10,008	295	3.0%
74.1%	9,706	9,887	182	1.9%
75.3%	9,580	9,885	305	3.2%
76.5%	9,242	9,807	566	6.1%
77.8%	8,943	9,708	765	8.6%
79.0%	8,930	9,670	740	8.3%
80.2%	8,826	9,168	343	3.9%
81.5%	8,522	8,993	471	5.5%
82.7%	8,387	8,991	604	7.2%
84.0%	8,344	8,470	126	1.5%
85.2%	7,997	8,344	347	4.3%
86.4%	7,994	8,108	115	1.4%
87.7%	7,990	8,099	109	1.4%
88.9%	7,781	7,943	162	2.1%
90.1%	7,779	7,931	153	2.0%
91.4%	7,604	7,926	322	4.2%
92.6%	7,506	7,630	124	1.7%
93.8%	7,358	7,587	229	3.1%
95.1%	7,217	7,567	350	4.8%
96.3%	7,067	7,423	356	5.0%
97.5%	6,747	7,022	275	4.1%
98.8%	6,034	6,079	45	0.7%
100.0%	4,717	5,764	1,046	22.2%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,554	14,554	0	0.0%
1.2%	14,551	14,551	0	0.0%
2.5%	14,411	14,411	0	0.0%
3.7%	14,361	14,382	22	0.2%
4.9%	14,361	14,361	0	0.0%
6.2%	14,353	14,361	8	0.1%
7.4%	14,331	14,331	0	0.0%
8.6%	14,221	14,221	0	0.0%
9.9%	14,207	14,207	0	0.0%
11.1%	14,202	14,202	0	0.0%
12.3%	14,131	14,131	0	0.0%
13.6%	14,104	14,104	0	0.0%
14.8%	14,101	14,101	0	0.0%
16.0%	14,071	14,071	0	0.0%
17.3%	14,007	14,007	0	0.0%
18.5%	13,994	13,994	0	0.0%
19.8%	13,971	13,971	0	0.0%
21.0%	13,891	13,891	0	0.0%
22.2%	13,891	13,891	0	0.0%
23.5%	13,891	13,891	0	0.0%
24.7%	13,857	13,857	0	0.0%
25.9%	13,847	13,847	0	0.0%
27.2%	13,824	13,824	0	0.0%
28.4%	13,821	13,821	0	0.0%
29.6%	13,801	13,801	0	0.0%
30.9%	13,797	13,797	0	0.0%
32.1%	13,797	13,797	0	0.0%
33.3%	13,767	13,771	4	0.0%
34.6%	13,751	13,767	17	0.1%
35.8%	13,737	13,751	13	0.1%
37.0%	13,607	13,737	130	1.0%
38.3%	13,606	13,524	-81	-0.6%
39.5%	13,501	13,506	5	0.0%
40.7%	13,454	13,501	47	0.3%
42.0%	13,401	13,454	53	0.4%
43.2%	13,401	13,401	0	0.0%
44.4%	13,304	13,401	97	0.7%
45.7%	13,304	13,304	0	0.0%
46.9%	13,304	13,304	0	0.0%
48.1%	13,304	13,304	0	0.0%
49.4%	13,304	13,304	0	0.0%
50.6%	13,304	13,304	0	0.0%
51.9%	13,304	13,304	0	0.0%
53.1%	13,304	13,304	0	0.0%
54.3%	13,304	13,304	0	0.0%
55.6%	13,281	13,304	23	0.2%
56.8%	12,967	13,106	140	1.1%
58.0%	12,232	12,983	752	6.1%
59.3%	12,132	12,749	617	5.1%
60.5%	12,020	12,717	696	5.8%
61.7%	11,799	12,461	662	5.6%
63.0%	11,784	11,898	114	1.0%
64.2%	11,709	11,873	164	1.4%
65.4%	11,634	11,839	205	1.8%
66.7%	11,536	11,820	283	2.5%
67.9%	11,481	11,787	306	2.7%
69.1%	11,385	11,663	278	2.4%
70.4%	11,325	11,430	105	0.9%
71.6%	11,203	11,420	217	1.9%
72.8%	11,184	11,374	190	1.7%
74.1%	11,177	11,224	46	0.4%
75.3%	11,078	11,110	32	0.3%
76.5%	11,007	10,965	-42	-0.4%
77.8%	10,978	10,945	-32	-0.3%
79.0%	10,818	10,941	123	1.1%
80.2%	10,651	10,657	7	0.1%
81.5%	10,590	10,634	44	0.4%
82.7%	10,217	10,550	332	3.3%
84.0%	10,090	10,456	366	3.6%
85.2%	9,669	9,840	171	1.8%
86.4%	9,647	9,803	155	1.6%
87.7%	9,557	9,785	228	2.4%
88.9%	9,247	9,704	456	4.9%
90.1%	8,921	9,052	132	1.5%
91.4%	8,841	8,962	121	1.4%
92.6%	8,708	8,830	122	1.4%
93.8%	8,367	8,723	356	4.3%
95.1%	7,777	8,285	508	6.5%
96.3%	7,667	8,104	437	5.7%
97.5%	7,548	8,006	458	6.1%
98.8%	6,933	7,698	766	11.0%
100.0%	4,566	5,610	1,044	22.9%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,577	15,577	0	0.0%
1.2%	15,444	15,443	-2	0.0%
2.5%	15,386	15,382	-4	0.0%
3.7%	15,350	15,348	-2	0.0%
4.9%	15,330	15,330	0	0.0%
6.2%	15,232	15,231	-1	0.0%
7.4%	15,190	15,190	0	0.0%
8.6%	15,184	15,184	0	0.0%
9.9%	15,124	15,124	0	0.0%
11.1%	15,020	15,020	0	0.0%
12.3%	15,004	15,004	0	0.0%
13.6%	14,984	14,984	0	0.0%
14.8%	14,984	14,984	0	0.0%
16.0%	14,947	14,947	0	0.0%
17.3%	14,912	14,910	-1	0.0%
18.5%	14,804	14,804	0	0.0%
19.8%	14,797	14,797	0	0.0%
21.0%	14,794	14,794	0	0.0%
22.2%	14,790	14,790	0	0.0%
23.5%	14,737	14,737	0	0.0%
24.7%	14,707	14,706	-2	0.0%
25.9%	14,704	14,704	0	0.0%
27.2%	14,704	14,704	0	0.0%
28.4%	14,629	14,621	-8	-0.1%
29.6%	14,622	14,611	-12	-0.1%
30.9%	14,611	14,544	-66	-0.5%
32.1%	14,544	14,542	-2	0.0%
33.3%	14,541	14,539	-2	0.0%
34.6%	14,524	14,522	-2	0.0%
35.8%	14,450	14,448	-2	0.0%
37.0%	14,400	14,398	-1	0.0%
38.3%	14,392	14,338	-55	-0.4%
39.5%	14,340	14,332	-8	-0.1%
40.7%	14,284	14,281	-3	0.0%
42.0%	14,263	14,260	-2	0.0%
43.2%	14,213	14,240	27	0.2%
44.4%	14,211	14,209	-2	0.0%
45.7%	14,153	14,151	-2	0.0%
46.9%	14,067	14,064	-2	0.0%
48.1%	14,027	14,035	8	0.1%
49.4%	14,013	14,012	-1	0.0%
50.6%	14,003	14,001	-2	0.0%
51.9%	13,640	13,768	128	0.9%
53.1%	13,435	13,637	203	1.5%
54.3%	13,382	13,433	50	0.4%
55.6%	13,347	13,375	27	0.2%
56.8%	13,213	13,367	154	1.2%
58.0%	13,136	13,351	215	1.6%
59.3%	12,826	13,202	376	2.9%
60.5%	12,584	12,937	353	2.8%
61.7%	12,508	12,539	30	0.2%
63.0%	12,419	12,516	97	0.8%
64.2%	12,335	12,438	103	0.8%
65.4%	12,191	12,417	226	1.9%
66.7%	11,895	12,381	486	4.1%
67.9%	11,669	12,334	665	5.7%
69.1%	11,660	12,285	625	5.4%
70.4%	11,657	11,749	92	0.8%
71.6%	11,572	11,740	168	1.5%
72.8%	11,412	11,687	275	2.4%
74.1%	11,405	11,633	228	2.0%
75.3%	11,296	11,592	296	2.6%
76.5%	11,101	11,188	86	0.8%
77.8%	11,004	11,069	66	0.6%
79.0%	10,836	10,947	111	1.0%
80.2%	10,814	10,887	73	0.7%
81.5%	10,752	10,821	69	0.6%
82.7%	10,583	10,803	220	2.1%
84.0%	10,361	10,755	393	3.8%
85.2%	10,202	10,444	243	2.4%
86.4%	9,929	10,060	130	1.3%
87.7%	9,817	9,853	35	0.4%
88.9%	9,209	9,339	130	1.4%
90.1%	8,814	9,270	456	5.2%
91.4%	8,498	8,851	352	4.1%
92.6%	8,334	8,830	496	6.0%
93.8%	8,332	8,447	115	1.4%
95.1%	7,785	8,219	433	5.6%
96.3%	7,637	8,141	503	6.6%
97.5%	7,231	7,864	633	8.7%
98.8%	6,793	7,384	591	8.7%
100.0%	4,347	5,351	1,005	23.1%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,804	15,804	0	0.0%
1.2%	15,804	15,804	0	0.0%
2.5%	15,804	15,804	0	0.0%
3.7%	15,804	15,804	0	0.0%
4.9%	15,804	15,804	0	0.0%
6.2%	15,722	15,720	-2	0.0%
7.4%	15,504	15,502	-2	0.0%
8.6%	15,497	15,496	-2	0.0%
9.9%	15,495	15,488	-6	0.0%
11.1%	15,280	15,278	-2	0.0%
12.3%	15,230	15,228	-3	0.0%
13.6%	15,207	15,204	-3	0.0%
14.8%	15,121	15,120	0	0.0%
16.0%	15,008	14,978	-30	-0.2%
17.3%	14,981	14,974	-7	0.0%
18.5%	14,881	14,878	-3	0.0%
19.8%	14,840	14,836	-4	0.0%
21.0%	14,698	14,695	-2	0.0%
22.2%	14,677	14,673	-3	0.0%
23.5%	14,663	14,661	-2	0.0%
24.7%	14,653	14,650	-4	0.0%
25.9%	14,651	14,647	-3	0.0%
27.2%	14,627	14,622	-4	0.0%
28.4%	14,575	14,570	-5	0.0%
29.6%	14,448	14,448	0	0.0%
30.9%	14,422	14,438	16	0.1%
32.1%	14,418	14,426	8	0.1%
33.3%	14,261	14,257	-4	0.0%
34.6%	14,259	14,254	-5	0.0%
35.8%	14,232	14,227	-5	0.0%
37.0%	14,219	14,192	-28	-0.2%
38.3%	14,196	14,184	-12	-0.1%
39.5%	14,186	14,182	-4	0.0%
40.7%	14,147	14,181	34	0.2%
42.0%	14,088	14,070	-18	-0.1%
43.2%	14,054	14,049	-5	0.0%
44.4%	13,929	13,920	-9	-0.1%
45.7%	13,891	13,914	24	0.2%
46.9%	13,804	13,800	-4	0.0%
48.1%	13,729	13,724	-5	0.0%
49.4%	13,551	13,579	28	0.2%
50.6%	13,504	13,506	2	0.0%
51.9%	13,279	13,304	25	0.2%
53.1%	13,266	13,287	20	0.2%
54.3%	13,263	13,259	-4	0.0%
55.6%	13,206	13,204	-1	0.0%
56.8%	13,068	13,191	123	0.9%
58.0%	12,962	13,101	140	1.1%
59.3%	12,699	12,982	283	2.2%
60.5%	12,635	12,506	-129	-1.0%
61.7%	12,340	12,486	146	1.2%
63.0%	12,162	12,415	253	2.1%
64.2%	12,074	12,383	309	2.6%
65.4%	11,856	12,335	479	4.0%
66.7%	11,598	12,144	547	4.7%
67.9%	11,497	11,878	380	3.3%
69.1%	11,256	11,701	446	4.0%
70.4%	11,192	11,683	491	4.4%
71.6%	11,128	11,356	228	2.0%
72.8%	11,021	11,292	271	2.5%
74.1%	10,808	11,148	340	3.1%
75.3%	10,743	11,116	373	3.5%
76.5%	10,700	11,066	366	3.4%
77.8%	10,656	10,893	237	2.2%
79.0%	10,641	10,782	142	1.3%
80.2%	10,611	10,628	18	0.2%
81.5%	10,557	10,534	-24	-0.2%
82.7%	10,309	10,525	215	2.1%
84.0%	10,281	10,483	202	2.0%
85.2%	9,944	9,993	49	0.5%
86.4%	9,859	9,901	42	0.4%
87.7%	9,587	9,793	206	2.1%
88.9%	8,643	9,029	387	4.5%
90.1%	8,258	8,257	-1	0.0%
91.4%	7,977	8,211	234	2.9%
92.6%	7,943	8,096	153	1.9%
93.8%	7,918	7,979	61	0.8%
95.1%	7,666	7,843	178	2.3%
96.3%	7,130	7,783	652	9.1%
97.5%	6,769	7,363	594	8.8%
98.8%	6,486	6,935	448	6.9%
100.0%	4,197	5,199	1,003	23.9%

Table SW-20-b

Lake Oroville, End of Month Area

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	15,706	15,570	-136	-0.9%
1.2%	15,476	15,505	29	0.2%
2.5%	15,467	15,274	-193	-1.2%
3.7%	15,245	15,266	20	0.1%
4.9%	15,228	15,234	6	0.0%
6.2%	15,140	15,134	-6	0.0%
7.4%	14,997	15,109	112	0.7%
8.6%	14,983	15,025	42	0.3%
9.9%	14,927	14,959	32	0.2%
11.1%	14,795	14,709	-85	-0.6%
12.3%	14,780	14,691	-89	-0.6%
13.6%	14,687	14,629	-59	-0.4%
14.8%	14,288	14,291	3	0.0%
16.0%	14,082	14,269	187	1.3%
17.3%	14,071	14,220	150	1.1%
18.5%	14,018	14,165	147	1.0%
19.8%	13,951	14,073	122	0.9%
21.0%	13,898	14,062	164	1.2%
22.2%	13,757	14,013	256	1.9%
23.5%	13,747	13,890	143	1.0%
24.7%	13,642	13,775	133	1.0%
25.9%	13,533	13,764	231	1.7%
27.2%	13,522	13,739	217	1.6%
28.4%	13,443	13,694	250	1.9%
29.6%	13,390	13,672	282	2.1%
30.9%	13,342	13,496	154	1.2%
32.1%	13,301	13,457	157	1.2%
33.3%	13,223	13,446	223	1.7%
34.6%	13,172	13,439	266	2.0%
35.8%	13,163	13,397	234	1.8%
37.0%	13,144	13,330	186	1.4%
38.3%	13,065	13,317	252	1.9%
39.5%	13,023	13,270	247	1.9%
40.7%	13,000	13,247	247	1.9%
42.0%	12,980	13,153	173	1.3%
43.2%	12,963	13,119	157	1.2%
44.4%	12,921	13,077	156	1.2%
45.7%	12,863	13,074	211	1.6%
46.9%	12,816	12,941	125	1.0%
48.1%	12,695	12,836	141	1.1%
49.4%	12,609	12,745	136	1.1%
50.6%	12,558	12,661	103	0.8%
51.9%	12,407	12,548	141	1.1%
53.1%	12,370	12,537	167	1.3%
54.3%	12,362	12,535	172	1.4%
55.6%	12,163	12,436	274	2.3%
56.8%	11,997	12,267	270	2.3%
58.0%	11,488	12,227	739	6.4%
59.3%	11,427	11,845	418	3.7%
60.5%	11,239	11,659	420	3.7%
61.7%	11,221	11,580	359	3.2%
63.0%	11,142	11,566	423	3.8%
64.2%	10,901	11,503	602	5.5%
65.4%	10,709	11,466	757	7.1%
66.7%	10,683	11,222	539	5.0%
67.9%	10,575	11,016	441	4.2%
69.1%	10,369	10,694	325	3.1%
70.4%	10,136	10,684	548	5.4%
71.6%	10,064	10,579	515	5.1%
72.8%	10,061	10,493	432	4.3%
74.1%	10,053	10,211	158	1.6%
75.3%	10,036	10,087	51	0.5%
76.5%	10,033	10,061	28	0.3%
77.8%	9,915	10,059	144	1.5%
79.0%	9,768	9,915	147	1.5%
80.2%	9,746	9,883	137	1.4%
81.5%	9,724	9,852	129	1.3%
82.7%	9,713	9,674	-38	-0.4%
84.0%	9,577	9,516	-60	-0.6%
85.2%	9,019	9,385	367	4.1%
86.4%	8,970	9,228	257	2.9%
87.7%	8,957	9,012	55	0.6%
88.9%	7,723	8,477	754	9.8%
90.1%	7,411	7,688	277	3.7%
91.4%	7,310	7,463	153	2.1%
92.6%	7,290	7,334	44	0.6%
93.8%	7,050	6,912	-138	-2.0%
95.1%	6,912	6,837	-75	-1.1%
96.3%	6,482	6,795	313	4.8%
97.5%	6,218	6,686	467	7.5%
98.8%	6,024	6,479	455	7.6%
100.0%	3,977	4,976	1,000	25.1%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	14,406	14,739	334	2.3%
1.2%	14,134	14,052	-82	-0.6%
2.5%	13,649	14,018	370	2.7%
3.7%	13,614	13,974	359	2.6%
4.9%	13,539	13,710	172	1.3%
6.2%	13,405	13,465	60	0.4%
7.4%	13,395	13,453	58	0.4%
8.6%	13,299	13,452	153	1.1%
9.9%	13,098	13,148	51	0.4%
11.1%	12,893	13,046	153	1.2%
12.3%	12,647	12,982	335	2.6%
13.6%	12,635	12,817	182	1.4%
14.8%	12,596	12,775	179	1.4%
16.0%	12,583	12,773	190	1.5%
17.3%	12,111	12,600	490	4.0%
18.5%	12,037	12,569	532	4.4%
19.8%	12,013	12,559	546	4.5%
21.0%	11,994	12,390	397	3.3%
22.2%	11,832	12,194	362	3.1%
23.5%	11,830	11,994	164	1.4%
24.7%	11,763	11,963	199	1.7%
25.9%	11,668	11,895	227	1.9%
27.2%	11,335	11,870	535	4.7%
28.4%	11,301	11,839	538	4.8%
29.6%	11,286	11,762	475	4.2%
30.9%	11,244	11,718	474	4.2%
32.1%	11,211	11,635	424	3.8%
33.3%	11,168	11,603	436	3.9%
34.6%	11,162	11,202	40	0.4%
35.8%	11,032	11,186	154	1.4%
37.0%	10,998	11,161	163	1.5%
38.3%	10,966	11,153	187	1.7%
39.5%	10,852	11,147	294	2.7%
40.7%	10,777	11,135	358	3.3%
42.0%	10,764	11,127	364	3.4%
43.2%	10,727	11,109	382	3.6%
44.4%	10,709	11,063	353	3.3%
45.7%	10,640	11,039	400	3.8%
46.9%	10,600	11,005	405	3.8%
48.1%	10,535	10,869	333	3.2%
49.4%	10,450	10,754	304	2.9%
50.6%	10,236	10,687	451	4.4%
51.9%	10,199	10,678	479	4.7%
53.1%	10,102	10,666	564	5.6%
54.3%	10,087	10,512	425	4.2%
55.6%	10,016	10,472	457	4.6%
56.8%	9,542	10,290	748	7.8%
58.0%	9,082	10,072	989	10.9%
59.3%	9,078	9,759	681	7.5%
60.5%	8,961	9,543	582	6.5%
61.7%	8,856	9,450	594	6.7%
63.0%	8,813	9,337	524	5.9%
64.2%	8,760	9,262	502	5.7%
65.4%	8,709	9,163	453	5.2%
66.7%	8,667	9,122	455	5.3%
67.9%	8,575	9,034	459	5.4%
69.1%	8,517	8,982	465	5.5%
70.4%	8,482	8,923	441	5.2%
71.6%	8,465	8,593	128	1.5%
72.8%	8,337	8,573	236	2.8%
74.1%	8,308	8,559	251	3.0%
75.3%	8,045	8,488	443	5.5%
76.5%	7,980	8,446	466	5.8%
77.8%	7,961	8,282	321	4.0%
79.0%	7,943	8,256	313	3.9%
80.2%	7,914	7,935	21	0.3%
81.5%	7,904	7,904	1	0.0%
82.7%	7,881	7,780	-102	-1.3%
84.0%	7,873	7,706	-168	-2.1%
85.2%	7,541	7,655	114	1.5%
86.4%	7,360	7,563	203	2.8%
87.7%	7,173	7,536	363	5.1%
88.9%	6,502	7,489	986	15.2%
90.1%	6,476	7,085	609	9.4%
91.4%	6,475	6,753	278	4.3%
92.6%	6,475	6,473	-3	0.0%
93.8%	6,472	6,257	-215	-3.3%
95.1%	6,207	6,102	-105	-1.7%
96.3%	5,697	6,102	404	7.1%
97.5%	5,405	6,020	614	11.4%
98.8%	5,362	5,690	328	6.1%
100.0%	3,761	4,802	1,041	27.7%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	13,733	14,112	379	2.8%
1.2%	12,757	13,192	435	3.4%
2.5%	12,693	12,938	245	1.9%
3.7%	12,689	12,828	138	1.1%
4.9%	12,641	12,744	103	0.8%
6.2%	12,414	12,631	217	1.7%
7.4%	12,172	12,264	92	0.8%
8.6%	11,772	12,147	376	3.2%
9.9%	11,568	12,018	450	3.9%
11.1%	11,283	11,823	540	4.8%
12.3%	11,042	11,392	350	3.2%
13.6%	11,010	11,314	304	2.8%
14.8%	11,000	11,240	240	2.2%
16.0%	10,996	11,216	220	2.0%
17.3%	10,895	11,121	225	2.1%
18.5%	10,726	11,093	367	3.4%
19.8%	10,279	11,039	760	7.4%
21.0%	10,259	10,929	671	6.5%
22.2%	10,150	10,795	645	6.4%
23.5%	10,009	10,361	352	3.5%
24.7%	10,003	10,189	185	1.9%
25.9%	9,951	10,185	233	2.3%
27.2%	9,559	10,161	601	6.3%
28.4%	9,525	10,155	630	6.6%
29.6%	9,523	10,062	539	5.7%
30.9%	9,449	10,007	558	5.9%
32.1%	9,411	9,874	463	4.9%
33.3%	9,370	9,844	474	5.1%
34.6%	9,368	9,807	439	4.7%
35.8%	9,354	9,805	452	4.8%
37.0%	9,343	9,781	439	4.7%
38.3%	9,135	9,708	573	6.3%
39.5%	9,128	9,694	566	6.2%
40.7%	9,092	9,619	527	5.8%
42.0%	9,017	9,610	593	6.6%
43.2%	9,015	9,574	559	6.2%
44.4%	8,991	9,437	446	5.0%
45.7%	8,947	9,377	430	4.8%
46.9%	8,926	9,331	404	4.5%
48.1%	8,884	9,287	403	4.5%
49.4%	8,797	9,233	436	5.0%
50.6%	8,739	9,228	490	5.6%
51.9%	8,713	9,218	504	5.8%
53.1%	8,670	8,964	294	3.4%
54.3%	8,667	8,952	286	3.3%
55.6%	8,416	8,914	498	5.9%
56.8%	8,323	8,846	523	6.3%
58.0%	8,169	8,667	498	6.1%
59.3%	7,970	8,333	362	4.5%
60.5%	7,941	8,055	115	1.4%
61.7%	7,914	8,031	117	1.5%
63.0%	7,905	7,994	89	1.1%
64.2%	7,866	7,946	81	1.0%
65.4%	7,797	7,899	102	1.3%
66.7%	7,734	7,859	124	1.6%
67.9%	7,585	7,791	207	2.7%
69.1%	7,576	7,776	200	2.6%
70.4%	7,443	7,766	324	4.3%
71.6%	7,394	7,755	361	4.9%
72.8%	7,271	7,719	449	6.2%
74.1%	7,187	7,661	475	6.6%
75.3%	7,134	7,660	527	7.4%
76.5%	7,120	7,659	539	7.6%
77.8%	7,109	7,654	545	7.7%
79.0%	7,067	7,606	539	7.6%
80.2%	6,860	7,574	713	10.4%
81.5%	6,845	7,480	635	9.3%
82.7%	6,794	7,043	249	3.7%
84.0%	6,633	7,019	386	5.8%
85.2%	6,533	6,863	330	5.1%
86.4%	6,493	6,852	359	5.5%
87.7%	6,478	6,833	355	5.5%
88.9%	6,147	6,664	517	8.4%
90.1%	6,097	6,660	563	9.2%
91.4%	5,975	6,476	501	8.4%
92.6%	5,925	5,940	15	0.2%
93.8%	5,850	5,938	89	1.5%
95.1%	5,483	5,788	305	5.6%
96.3%	5,331	5,503	172	3.2%
97.5%	5,325	5,502	176	3.3%
98.8%	5,099	5,327	228	4.5%
100.0%	3,653	4,715	1,063	29.1%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	12,490	13,022	533	4.3%
1.2%	12,101	12,671	569	4.7%
2.5%	11,658	11,685	27	0.2%
3.7%	11,297	11,608	311	2.8%
4.9%	10,786	11,028	242	2.2%
6.2%	10,551	10,935	384	3.6%
7.4%	10,392	10,872	480	4.6%
8.6%	10,132	10,279	147	1.5%
9.9%	10,089	10,161	72	0.7%
11.1%	9,670	10,120	450	4.7%
12.3%	9,504	10,091	588	6.2%
13.6%	9,079	9,725	646	7.1%
14.8%	9,034	9,661	627	6.9%
16.0%	8,953	9,431	477	5.3%
17.3%	8,841	9,309	467	5.3%
18.5%	8,824	9,308	484	5.5%
19.8%	8,766	9,289	523	6.0%
21.0%	8,590	9,245	654	7.6%
22.2%	8,579	9,217	638	7.4%
23.5%	8,531	9,201	670	7.9%
24.7%	8,347	8,841	495	5.9%
25.9%	8,345	8,817	472	5.7%
27.2%	8,330	8,744	413	5.0%
28.4%	8,246	8,708	462	5.6%
29.6%	8,130	8,698	568	7.0%
30.9%	8,112	8,648	536	6.6%
32.1%	8,090	8,457	367	4.5%
33.3%	7,975	8,365	389	4.9%
34.6%	7,975	8,300	325	4.1%
35.8%	7,953	8,297	344	4.3%
37.0%	7,953	8,284	331	4.2%
38.3%	7,679	8,252	574	7.5%
39.5%	7,670	8,237	567	7.4%
40.7%	7,627	8,205	578	7.6%
42.0%	7,607	8,038	432	5.7%
43.2%	7,583	7,994	412	5.4%
44.4%	7,580	7,915	335	4.4%
45.7%	7,533	7,907	375	5.0%
46.9%	7,530	7,891	361	4.8%
48.1%	7,496	7,773	277	3.7%
49.4%	7,492	7,752	261	3.5%
50.6%	7,409	7,730	320	4.3%
51.9%	7,381	7,712	331	4.5%
53.1%	7,365	7,660	295	4.0%
54.3%	7,357	7,612	254	3.5%
55.6%	7,148	7,554	405	5.7%
56.8%	7,121	7,543	422	5.9%
58.0%	7,115	7,479	363	5.1%
59.3%	7,054	7,476	422	6.0%
60.5%	7,008	7,453	444	6.3%
61.7%	7,003	7,438	435	6.2%
63.0%	6,997	7,430	433	6.2%
64.2%	6,996	7,430	434	6.2%
65.4%	6,991	7,398	408	5.8%
66.7%	6,910	7,326	416	6.0%
67.9%	6,887	7,309	422	6.1%
69.1%	6,868	7,302	434	6.3%
70.4%	6,824	7,284	459	6.7%
71.6%	6,802	7,206	404	5.9%
72.8%	6,760	7,180	421	6.2%
74.1%	6,737	7,072	335	5.0%
75.3%	6,598	7,025	427	6.5%
76.5%	6,582	6,977	395	6.0%
77.8%	6,542	6,878	336	5.1%
79.0%	6,499	6,873	374	5.7%
80.2%	6,490	6,812	322	5.0%
81.5%	6,489	6,785	296	4.6%
82.7%	6,485	6,723	238	3.7%
84.0%	6,485	6,649	163	2.5%
85.2%	6,377	6,595	218	3.4%
86.4%	6,022	6,510	488	8.1%
87.7%	6,012	6,487	475	7.9%
88.9%	6,001	6,487	486	8.1%
90.1%	5,861	6,486	625	10.7%
91.4%	5,828	6,272	444	7.6%
92.6%	5,763	5,814	51	0.9%
93.8%	5,763	5,644	-118	-2.1%
95.1%	5,357	5,518	161	3.0%
96.3%	5,341	5,406	66	1.2%
97.5%	5,266	5,398	133	2.5%
98.8%	5,205	5,356	151	2.9%
100.0%	3,870	4,878	1,009	26.1%

Figure SW-21-b
Feather River at Thermalito Low Flow Channel, Monthly Flow
Probability of Exceedance

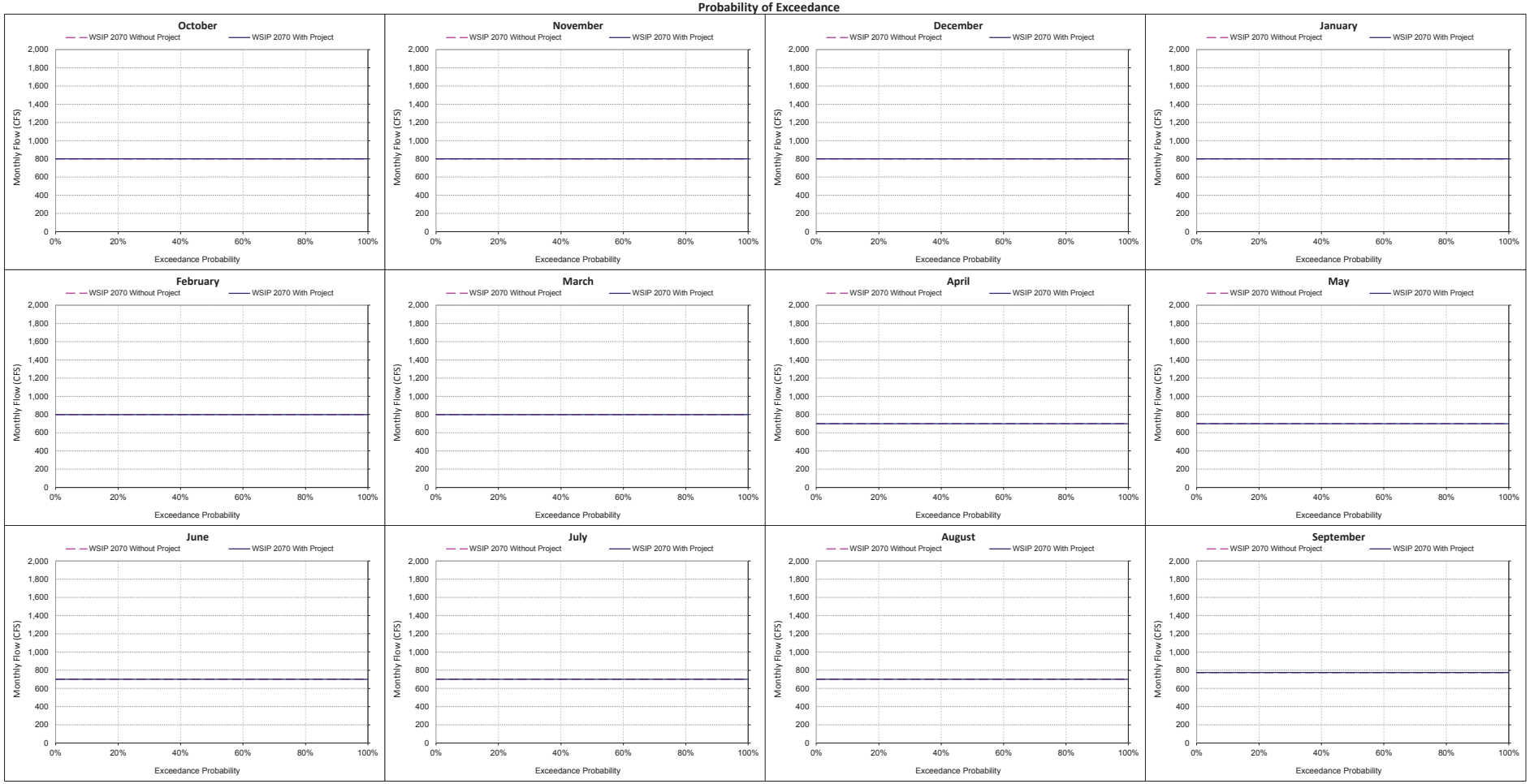


Table SW-21-b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

October				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

November				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

December				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

January				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

Table SW-21-b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	800	800	0	0.0%
1.2%	800	800	0	0.0%
2.5%	800	800	0	0.0%
3.7%	800	800	0	0.0%
4.9%	800	800	0	0.0%
6.2%	800	800	0	0.0%
7.4%	800	800	0	0.0%
8.6%	800	800	0	0.0%
9.9%	800	800	0	0.0%
11.1%	800	800	0	0.0%
12.3%	800	800	0	0.0%
13.6%	800	800	0	0.0%
14.8%	800	800	0	0.0%
16.0%	800	800	0	0.0%
17.3%	800	800	0	0.0%
18.5%	800	800	0	0.0%
19.8%	800	800	0	0.0%
21.0%	800	800	0	0.0%
22.2%	800	800	0	0.0%
23.5%	800	800	0	0.0%
24.7%	800	800	0	0.0%
25.9%	800	800	0	0.0%
27.2%	800	800	0	0.0%
28.4%	800	800	0	0.0%
29.6%	800	800	0	0.0%
30.9%	800	800	0	0.0%
32.1%	800	800	0	0.0%
33.3%	800	800	0	0.0%
34.6%	800	800	0	0.0%
35.8%	800	800	0	0.0%
37.0%	800	800	0	0.0%
38.3%	800	800	0	0.0%
39.5%	800	800	0	0.0%
40.7%	800	800	0	0.0%
42.0%	800	800	0	0.0%
43.2%	800	800	0	0.0%
44.4%	800	800	0	0.0%
45.7%	800	800	0	0.0%
46.9%	800	800	0	0.0%
48.1%	800	800	0	0.0%
49.4%	800	800	0	0.0%
50.6%	800	800	0	0.0%
51.9%	800	800	0	0.0%
53.1%	800	800	0	0.0%
54.3%	800	800	0	0.0%
55.6%	800	800	0	0.0%
56.8%	800	800	0	0.0%
58.0%	800	800	0	0.0%
59.3%	800	800	0	0.0%
60.5%	800	800	0	0.0%
61.7%	800	800	0	0.0%
63.0%	800	800	0	0.0%
64.2%	800	800	0	0.0%
65.4%	800	800	0	0.0%
66.7%	800	800	0	0.0%
67.9%	800	800	0	0.0%
69.1%	800	800	0	0.0%
70.4%	800	800	0	0.0%
71.6%	800	800	0	0.0%
72.8%	800	800	0	0.0%
74.1%	800	800	0	0.0%
75.3%	800	800	0	0.0%
76.5%	800	800	0	0.0%
77.8%	800	800	0	0.0%
79.0%	800	800	0	0.0%
80.2%	800	800	0	0.0%
81.5%	800	800	0	0.0%
82.7%	800	800	0	0.0%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

Table SW-21-b

Feather River at Thermalito Low Flow Channel, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	700	700	0	0.0%
1.2%	700	700	0	0.0%
2.5%	700	700	0	0.0%
3.7%	700	700	0	0.0%
4.9%	700	700	0	0.0%
6.2%	700	700	0	0.0%
7.4%	700	700	0	0.0%
8.6%	700	700	0	0.0%
9.9%	700	700	0	0.0%
11.1%	700	700	0	0.0%
12.3%	700	700	0	0.0%
13.6%	700	700	0	0.0%
14.8%	700	700	0	0.0%
16.0%	700	700	0	0.0%
17.3%	700	700	0	0.0%
18.5%	700	700	0	0.0%
19.8%	700	700	0	0.0%
21.0%	700	700	0	0.0%
22.2%	700	700	0	0.0%
23.5%	700	700	0	0.0%
24.7%	700	700	0	0.0%
25.9%	700	700	0	0.0%
27.2%	700	700	0	0.0%
28.4%	700	700	0	0.0%
29.6%	700	700	0	0.0%
30.9%	700	700	0	0.0%
32.1%	700	700	0	0.0%
33.3%	700	700	0	0.0%
34.6%	700	700	0	0.0%
35.8%	700	700	0	0.0%
37.0%	700	700	0	0.0%
38.3%	700	700	0	0.0%
39.5%	700	700	0	0.0%
40.7%	700	700	0	0.0%
42.0%	700	700	0	0.0%
43.2%	700	700	0	0.0%
44.4%	700	700	0	0.0%
45.7%	700	700	0	0.0%
46.9%	700	700	0	0.0%
48.1%	700	700	0	0.0%
49.4%	700	700	0	0.0%
50.6%	700	700	0	0.0%
51.9%	700	700	0	0.0%
53.1%	700	700	0	0.0%
54.3%	700	700	0	0.0%
55.6%	700	700	0	0.0%
56.8%	700	700	0	0.0%
58.0%	700	700	0	0.0%
59.3%	700	700	0	0.0%
60.5%	700	700	0	0.0%
61.7%	700	700	0	0.0%
63.0%	700	700	0	0.0%
64.2%	700	700	0	0.0%
65.4%	700	700	0	0.0%
66.7%	700	700	0	0.0%
67.9%	700	700	0	0.0%
69.1%	700	700	0	0.0%
70.4%	700	700	0	0.0%
71.6%	700	700	0	0.0%
72.8%	700	700	0	0.0%
74.1%	700	700	0	0.0%
75.3%	700	700	0	0.0%
76.5%	700	700	0	0.0%
77.8%	700	700	0	0.0%
79.0%	700	700	0	0.0%
80.2%	700	700	0	0.0%
81.5%	700	700	0	0.0%
82.7%	700	700	0	0.0%
84.0%	700	700	0	0.0%
85.2%	700	700	0	0.0%
86.4%	700	700	0	0.0%
87.7%	700	700	0	0.0%
88.9%	700	700	0	0.0%
90.1%	700	700	0	0.0%
91.4%	700	700	0	0.0%
92.6%	700	700	0	0.0%
93.8%	700	700	0	0.0%
95.1%	700	700	0	0.0%
96.3%	700	700	0	0.0%
97.5%	700	700	0	0.0%
98.8%	700	700	0	0.0%
100.0%	700	700	0	0.0%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	773	773	0	0.0%
1.2%	773	773	0	0.0%
2.5%	773	773	0	0.0%
3.7%	773	773	0	0.0%
4.9%	773	773	0	0.0%
6.2%	773	773	0	0.0%
7.4%	773	773	0	0.0%
8.6%	773	773	0	0.0%
9.9%	773	773	0	0.0%
11.1%	773	773	0	0.0%
12.3%	773	773	0	0.0%
13.6%	773	773	0	0.0%
14.8%	773	773	0	0.0%
16.0%	773	773	0	0.0%
17.3%	773	773	0	0.0%
18.5%	773	773	0	0.0%
19.8%	773	773	0	0.0%
21.0%	773	773	0	0.0%
22.2%	773	773	0	0.0%
23.5%	773	773	0	0.0%
24.7%	773	773	0	0.0%
25.9%	773	773	0	0.0%
27.2%	773	773	0	0.0%
28.4%	773	773	0	0.0%
29.6%	773	773	0	0.0%
30.9%	773	773	0	0.0%
32.1%	773	773	0	0.0%
33.3%	773	773	0	0.0%
34.6%	773	773	0	0.0%
35.8%	773	773	0	0.0%
37.0%	773	773	0	0.0%
38.3%	773	773	0	0.0%
39.5%	773	773	0	0.0%
40.7%	773	773	0	0.0%
42.0%	773	773	0	0.0%
43.2%	773	773	0	0.0%
44.4%	773	773	0	0.0%
45.7%	773	773	0	0.0%
46.9%	773	773	0	0.0%
48.1%	773	773	0	0.0%
49.4%	773	773	0	0.0%
50.6%	773	773	0	0.0%
51.9%	773	773	0	0.0%
53.1%	773	773	0	0.0%
54.3%	773	773	0	0.0%
55.6%	773	773	0	0.0%
56.8%	773	773	0	0.0%
58.0%	773	773	0	0.0%
59.3%	773	773	0	0.0%
60.5%	773	773	0	0.0%
61.7%	773	773	0	0.0%
63.0%	773	773	0	0.0%
64.2%	773	773	0	0.0%
65.4%	773	773	0	0.0%
66.7%	773	773	0	0.0%
67.9%	773	773	0	0.0%
69.1%	773	773	0	0.0%
70.4%	773	773	0	0.0%
71.6%	773	773	0	0.0%
72.8%	773	773	0	0.0%
74.1%	773	773	0	0.0%
75.3%	773	773	0	0.0%
76.5%	773	773	0	0.0%
77.8%	773	773	0	0.0%
79.0%	773	773	0	0.0%
80.2%	773	773	0	0.0%
81.5%	773	773	0	0.0%
82.7%	773	773	0	0.0%
84.0%	773	773	0	0.0%
85.2%	773	773	0	0.0%
86.4%	773	773	0	0.0%
87.7%	773	773	0	0.0%
88.9%	773	773	0	0.0%
90.1%	773	773	0	0.0%
91.4%	773	773	0	0.0%
92.6%	773	773	0	0.0%
93.8%	773	773	0	0.0%
95.1%	773	773	0	0.0%
96.3%	773	773	0	0.0%
97.5%	773	773	0	0.0%
98.8%	773	773	0	0.0%
100.0%	773	773	0	0.0%

Figure SW-22-b
Feather River below Thermalito, Monthly Flow
Probability of Exceedance

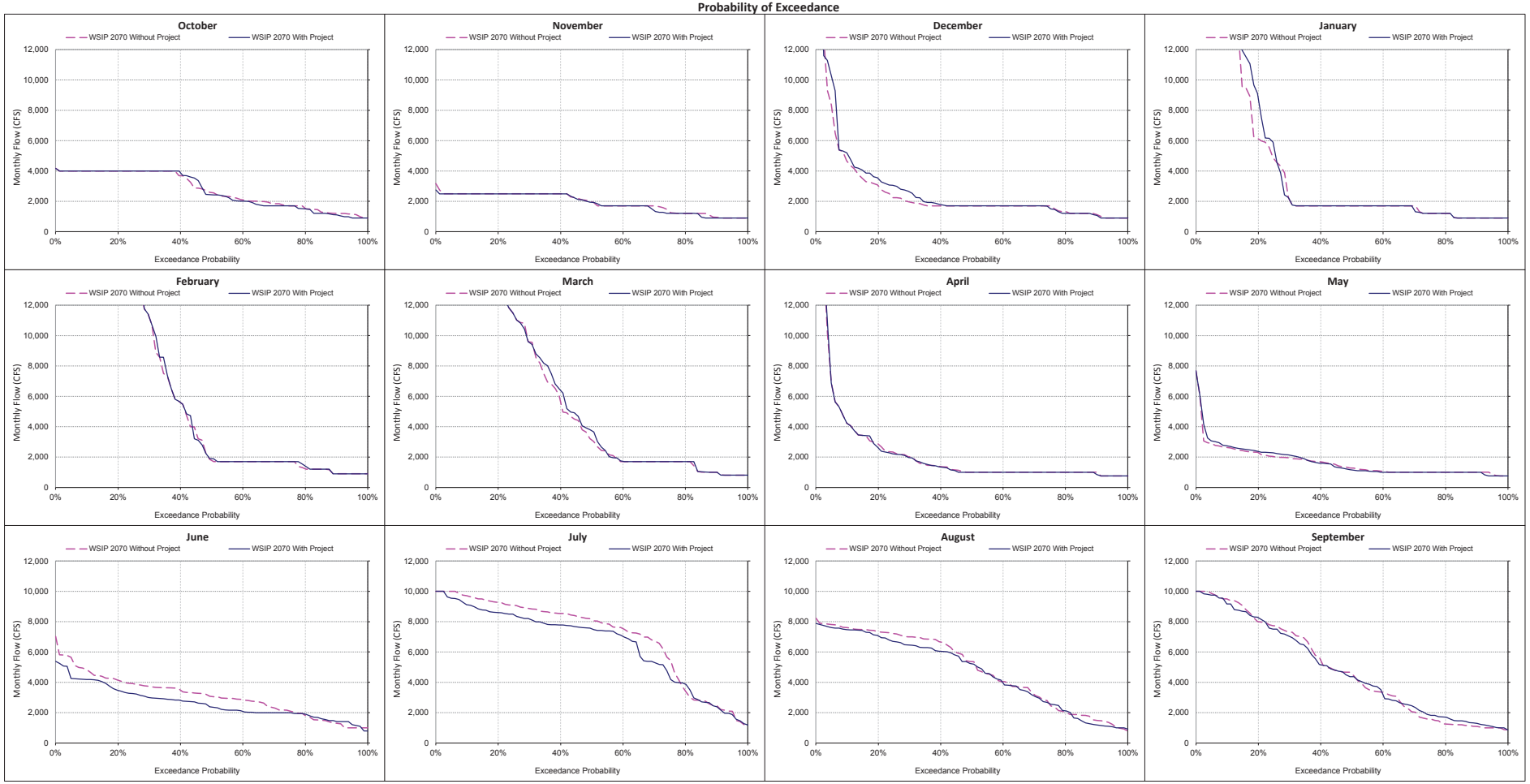


Table SW-22-b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,180	4,178	-2	0.0%
1.2%	4,000	4,000	0	0.0%
2.5%	4,000	4,000	0	0.0%
3.7%	4,000	4,000	0	0.0%
4.9%	4,000	4,000	0	0.0%
6.2%	4,000	4,000	0	0.0%
7.4%	4,000	4,000	0	0.0%
8.6%	4,000	4,000	0	0.0%
9.9%	4,000	4,000	0	0.0%
11.1%	4,000	4,000	0	0.0%
12.3%	4,000	4,000	0	0.0%
13.6%	4,000	4,000	0	0.0%
14.8%	4,000	4,000	0	0.0%
16.0%	4,000	4,000	0	0.0%
17.3%	4,000	4,000	0	0.0%
18.5%	4,000	4,000	0	0.0%
19.8%	4,000	4,000	0	0.0%
21.0%	4,000	4,000	0	0.0%
22.2%	4,000	4,000	0	0.0%
23.5%	4,000	4,000	0	0.0%
24.7%	4,000	4,000	0	0.0%
25.9%	4,000	4,000	0	0.0%
27.2%	4,000	4,000	0	0.0%
28.4%	4,000	4,000	0	0.0%
29.6%	4,000	4,000	0	0.0%
30.9%	4,000	4,000	0	0.0%
32.1%	4,000	4,000	0	0.0%
33.3%	4,000	4,000	0	0.0%
34.6%	4,000	4,000	0	0.0%
35.8%	4,000	4,000	0	0.0%
37.0%	4,000	4,000	0	0.0%
38.3%	4,000	4,000	0	0.0%
39.5%	3,693	4,000	307	8.3%
40.7%	3,683	3,707	24	0.7%
42.0%	3,507	3,687	180	5.1%
43.2%	3,261	3,611	350	10.7%
44.4%	2,880	3,530	651	22.6%
45.7%	2,869	3,362	493	17.2%
46.9%	2,816	2,885	69	2.5%
48.1%	2,718	2,454	-264	-9.7%
49.4%	2,590	2,435	-155	-6.0%
50.6%	2,559	2,423	-137	-5.3%
51.9%	2,415	2,418	3	0.1%
53.1%	2,341	2,387	46	2.0%
54.3%	2,324	2,334	10	0.4%
55.6%	2,318	2,231	-87	-3.8%
56.8%	2,265	2,070	-195	-8.6%
58.0%	2,210	2,031	-179	-8.1%
59.3%	2,116	2,013	-103	-4.9%
60.5%	2,074	2,010	-64	-3.1%
61.7%	2,023	1,989	-34	-1.7%
63.0%	2,011	1,926	-85	-4.2%
64.2%	2,010	1,800	-210	-10.4%
65.4%	1,987	1,748	-239	-12.0%
66.7%	1,987	1,700	-287	-14.4%
67.9%	1,954	1,700	-254	-13.0%
69.1%	1,865	1,700	-165	-8.9%
70.4%	1,844	1,700	-144	-7.8%
71.6%	1,843	1,700	-143	-7.7%
72.8%	1,758	1,700	-58	-3.3%
74.1%	1,713	1,700	-13	-0.8%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,700	1,539	-161	-9.5%
79.0%	1,700	1,522	-178	-10.5%
80.2%	1,501	1,504	2	0.2%
81.5%	1,491	1,472	-19	-1.3%
82.7%	1,473	1,200	-273	-18.5%
84.0%	1,454	1,200	-254	-17.4%
85.2%	1,287	1,200	-87	-6.7%
86.4%	1,274	1,200	-74	-5.8%
87.7%	1,225	1,179	-46	-3.7%
88.9%	1,213	1,126	-87	-7.2%
90.1%	1,200	1,100	-100	-8.3%
91.4%	1,200	1,031	-169	-14.1%
92.6%	1,200	981	-219	-18.3%
93.8%	1,164	980	-184	-15.8%
95.1%	1,160	900	-260	-22.4%
96.3%	1,121	900	-221	-19.7%
97.5%	991	900	-91	-9.2%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,171	2,744	-427	-13.5%
1.2%	2,741	2,500	-241	-8.8%
2.5%	2,500	2,500	0	0.0%
3.7%	2,500	2,500	0	0.0%
4.9%	2,500	2,500	0	0.0%
6.2%	2,500	2,500	0	0.0%
7.4%	2,500	2,500	0	0.0%
8.6%	2,500	2,500	0	0.0%
9.9%	2,500	2,500	0	0.0%
11.1%	2,500	2,500	0	0.0%
12.3%	2,500	2,500	0	0.0%
13.6%	2,500	2,500	0	0.0%
14.8%	2,500	2,500	0	0.0%
16.0%	2,500	2,500	0	0.0%
17.3%	2,500	2,500	0	0.0%
18.5%	2,500	2,500	0	0.0%
19.8%	2,500	2,500	0	0.0%
21.0%	2,500	2,500	0	0.0%
22.2%	2,500	2,500	0	0.0%
23.5%	2,500	2,500	0	0.0%
24.7%	2,500	2,500	0	0.0%
25.9%	2,500	2,500	0	0.0%
27.2%	2,500	2,500	0	0.0%
28.4%	2,500	2,500	0	0.0%
29.6%	2,500	2,500	0	0.0%
30.9%	2,500	2,500	0	0.0%
32.1%	2,500	2,500	0	0.0%
33.3%	2,500	2,500	0	0.0%
34.6%	2,500	2,500	0	0.0%
35.8%	2,500	2,500	0	0.0%
37.0%	2,500	2,500	0	0.0%
38.3%	2,500	2,500	0	0.0%
39.5%	2,500	2,500	0	0.0%
40.7%	2,500	2,500	0	0.0%
42.0%	2,500	2,500	0	0.0%
43.2%	2,294	2,339	46	2.0%
44.4%	2,260	2,241	-19	-0.8%
45.7%	2,184	2,116	-68	-3.1%
46.9%	2,094	2,106	12	0.6%
48.1%	2,073	2,007	-65	-3.2%
49.4%	2,008	1,950	-58	-2.9%
50.6%	1,918	1,924	6	0.3%
51.9%	1,700	1,848	147	8.7%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,512	-188	-11.1%
70.4%	1,700	1,332	-368	-21.6%
71.6%	1,648	1,279	-369	-22.4%
72.8%	1,584	1,273	-311	-19.6%
74.1%	1,471	1,200	-271	-18.4%
75.3%	1,248	1,200	-48	-3.8%
76.5%	1,224	1,200	-24	-1.9%
77.8%	1,200	1,200	0	0.0%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	1,200	1,191	-9	-0.8%
85.2%	1,200	949	-251	-20.9%
86.4%	1,200	901	-299	-24.9%
87.7%	1,094	900	-194	-17.8%
88.9%	961	900	-61	-6.4%
90.1%	945	900	-45	-4.8%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	28,950	31,728	2,778	9.6%
1.2%	20,053	20,368	315	1.6%
2.5%	12,911	11,595	-1,316	-10.2%
3.7%	9,291	11,297	2,006	21.6%
4.9%	8,376	10,295	1,918	22.9%
6.2%	6,508	9,298	2,789	42.9%
7.4%	5,388	5,386	-3	0.0%
8.6%	5,277	5,313	36	0.7%
9.9%	4,668	5,205	537	11.5%
11.1%	4,353	4,777	423	9.7%
12.3%	4,141	4,250	108	2.6%
13.6%	3,773	4,181	408	10.8%
14.8%	3,528	4,073	545	15.4%
16.0%	3,293	3,861	568	17.2%
17.3%	3,267	3,860	593	18.2%
18.5%	3,172	3,619	447	14.1%
19.8%	3,083	3,551	468	15.2%
21.0%	2,758	3,277	519	18.8%
22.2%	2,605	3,173	567	21.8%
23.5%	2,518	3,076	558	22.2%
24.7%	2,243	3,049	806	35.9%
25.9%	2,241	2,996	755	33.7%
27.2%	2,205	2,806	601	27.3%
28.4%	2,047	2,756	709	34.6%
29.6%	1,972	2,657	685	34.7%
30.9%	1,923	2,525	602	31.3%
32.1%	1,861	2,244	384	20.6%
33.3%	1,847	2,240	393	21.3%
34.6%	1,759	1,986	227	12.9%
35.8%	1,702	1,923	221	13.0%
37.0%	1,700	1,921	221	13.0%
38.3%	1,700	1,881	181	10.6%
39.5%	1,700	1,806	106	6.2%
40.7%	1,700	1,758	58	3.4%
42.0%	1,700	1,700	0	0.0%
43.2%	1,700	1,700	0	0.0%
44.4%	1,700	1,700	0	0.0%
45.7%	1,700	1,700	0	0.0%
46.9%	1,700	1,700	0	0.0%
48.1%	1,700	1,700	0	0.0%
49.4%	1,700	1,700	0	0.0%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,694	-6	-0.4%
75.3%	1,700	1,500	-200	-11.8%
76.5%	1,497	1,472	-25	-1.7%
77.8%	1,368	1,306	-63	-4.6%
79.0%	1,319	1,200	-119	-9.0%
80.2%	1,318	1,200	-118	-8.9%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	1,200	0	0.0%
86.4%	1,200	1,200	0	0.0%
87.7%	1,200	1,200	0	0.0%
88.9%	1,200	1,123	-77	-6.5%
90.1%	1,123	1,069	-54	-4.8%
91.4%	1,008	900	-108	-10.7%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	50,062	50,064	1	0.0%
1.2%	48,711	48,493	-218	-0.4%
2.5%	42,381	42,426	45	0.1%
3.7%	33,198	31,846	-1,352	-4.1%
4.9%	24,119	25,439	1,320	5.5%
6.2%	21,529	24,022	2,493	11.6%
7.4%	21,130	21,247	118	0.6%
8.6%	19,079	20,998	1,919	10.1%
9.9%	18,153	19,198	1,045	5.8%
11.1%	15,005	15,369	364	2.4%
12.3%	14,783	15,005	222	1.5%
13.6%	13,156	13,033	-123	-0.9%
14.8%	9,515	11,958	2,443	25.7%
16.0%	9,461	11,518	2,057	21.7%
17.3%	8,920	11,073	2,153	24.1%
18.5%	6,264	9,661	3,398	54.2%
19.8%	6,151	9,121	2,970	48.3%
21.0%	5,983	7,528	1,545	25.8%
22.2%	5,898	6,175	276	4.7%
23.5%	5,567	6,162	595	10.7%
24.7%	4,875	5,898	1,024	21.0%
25.9%	4,561	4,544	-17	-0.4%
27.2%	4,317	3,880	-437	-10.1%
28.4%	3,880	2,431	-1,449	-37.3%
29.6%	2,241	2,244	4	0.2%
30.9%	1,745	1,749	5	0.3%
32.1%	1,700	1,700	0	0.0%
33.3%	1,700	1,700	0	0.0%
34.6%	1,700	1,700	0	0.0%
35.8%	1,700	1,700	0	0.0%
37.0%	1,700	1,700	0	0.0%
38.3%	1,700	1,700	0	0.0%
39.5%	1,700	1,700	0	0.0%
40.7%	1,700	1,700	0	0.0%
42.0%	1,700	1,700	0	0.0%
43.2%	1,700	1,700	0	0.0%
44.4%	1,700	1,700	0	0.0%
45.7%	1,700	1,700	0	0.0%
46.9%	1,700	1,700	0	0.0%
48.1%	1,700	1,700	0	0.0%
49.4%	1,700	1,700	0	0.0%
50.6%	1,700	1,700	0	0.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,318	-382	-22.5%
71.6%	1,321	1,279	-42	-3.2%
72.8%	1,200	1,200	0	0.0%
74.1%	1,200	1,200	0	0.0%
75.3%	1,200	1,200	0	0.0%
76.5%	1,200	1,200	0	0.0%
77.8%	1,200	1,200	0	0.0%
79.0%	1,200	1,200	0	0.0%
80.2%	1,200	1,200	0	0.0%
81.5%	1,200	1,200	0	0.0%
82.7%	926	915	-11	-1.2%
84.0%	900	900	0	0.0%
85.2%	900	900	0	0.0%
86.4%	900	900	0	0.0%
87.7%	900	900	0	0.0%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

Table SW-22-b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	48,991	48,991	0	0.0%
1.2%	39,769	41,219	1,450	3.6%
2.5%	37,252	40,168	2,916	7.8%
3.7%	37,157	37,252	95	0.3%
4.9%	33,914	33,895	-19	-0.1%
6.2%	33,895	30,680	-3,215	-9.5%
7.4%	27,950	27,950	0	0.0%
8.6%	26,002	26,002	0	0.0%
9.9%	25,834	25,996	162	0.6%
11.1%	24,898	25,834	936	3.8%
12.3%	22,618	23,307	689	3.0%
13.6%	21,552	21,545	-7	0.0%
14.8%	21,225	21,200	-25	-0.1%
16.0%	20,169	20,497	328	1.6%
17.3%	19,898	19,898	0	0.0%
18.5%	18,693	18,916	223	1.2%
19.8%	18,665	18,665	0	0.0%
21.0%	18,556	18,556	0	0.0%
22.2%	17,160	17,160	0	0.0%
23.5%	17,083	17,082	-1	0.0%
24.7%	16,494	16,494	0	0.0%
25.9%	16,057	16,057	0	0.0%
27.2%	12,995	14,931	1,936	14.9%
28.4%	11,770	11,770	0	0.0%
29.6%	11,425	11,425	0	0.0%
30.9%	10,687	10,687	0	0.0%
32.1%	8,897	9,949	1,052	11.8%
33.3%	8,581	8,581	0	0.0%
34.6%	7,506	8,572	1,065	14.2%
35.8%	7,311	7,381	70	1.0%
37.0%	6,511	6,510	-1	0.0%
38.3%	5,805	5,798	-8	-0.1%
39.5%	5,667	5,667	0	0.0%
40.7%	5,476	5,476	-1	0.0%
42.0%	4,727	4,848	121	2.6%
43.2%	3,995	4,727	732	18.3%
44.4%	3,979	3,199	-781	-19.6%
45.7%	3,199	3,097	-101	-3.2%
46.9%	3,111	2,796	-315	-10.1%
48.1%	2,241	2,244	4	0.2%
49.4%	1,842	1,894	52	2.8%
50.6%	1,700	1,888	188	11.0%
51.9%	1,700	1,700	0	0.0%
53.1%	1,700	1,700	0	0.0%
54.3%	1,700	1,700	0	0.0%
55.6%	1,700	1,700	0	0.0%
56.8%	1,700	1,700	0	0.0%
58.0%	1,700	1,700	0	0.0%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,376	1,700	324	23.6%
79.0%	1,307	1,548	240	18.4%
80.2%	1,200	1,373	173	14.4%
81.5%	1,200	1,200	0	0.0%
82.7%	1,200	1,200	0	0.0%
84.0%	1,200	1,200	0	0.0%
85.2%	1,200	1,200	0	0.0%
86.4%	1,200	1,200	0	0.0%
87.7%	1,168	1,200	32	2.7%
88.9%	900	900	0	0.0%
90.1%	900	900	0	0.0%
91.4%	900	900	0	0.0%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	44,804	44,804	0	0.0%
1.2%	42,912	42,917	5	0.0%
2.5%	35,558	35,353	-205	-0.6%
3.7%	35,353	34,571	-782	-2.2%
4.9%	34,571	34,497	-74	-0.2%
6.2%	31,173	31,173	0	0.0%
7.4%	20,771	20,771	0	0.0%
8.6%	19,683	19,683	0	0.0%
9.9%	18,671	18,671	0	0.0%
11.1%	18,143	18,143	0	0.0%
12.3%	17,405	17,405	0	0.0%
13.6%	17,030	17,030	0	0.0%
14.8%	15,545	15,545	0	0.0%
16.0%	14,851	14,845	-7	0.0%
17.3%	13,977	14,025	49	0.3%
18.5%	13,936	13,977	40	0.3%
19.8%	13,124	13,936	812	6.2%
21.0%	13,040	13,124	85	0.6%
22.2%	12,349	12,349	0	0.0%
23.5%	11,823	11,823	0	0.0%
24.7%	11,499	11,499	0	0.0%
25.9%	11,027	11,027	0	0.0%
27.2%	10,862	10,816	-45	-0.4%
28.4%	10,816	10,425	-391	-3.6%
29.6%	9,596	9,596	0	0.0%
30.9%	9,561	9,412	-149	-1.6%
32.1%	8,539	8,797	257	3.0%
33.3%	8,187	8,539	352	4.3%
34.6%	7,503	8,186	683	9.1%
35.8%	6,938	8,010	1,072	15.4%
37.0%	6,806	7,502	696	10.2%
38.3%	6,512	6,806	294	4.5%
39.5%	6,047	6,512	464	7.7%
40.7%	4,966	6,208	1,242	25.0%
42.0%	4,914	5,184	270	5.5%
43.2%	4,672	4,965	293	6.3%
44.4%	4,497	4,914	417	9.3%
45.7%	4,405	4,670	266	6.0%
46.9%	3,793	4,066	274	7.2%
48.1%	3,646	3,921	275	7.5%
49.4%	3,212	3,804	591	18.4%
50.6%	3,022	3,643	621	20.5%
51.9%	2,666	3,022	357	13.4%
53.1%	2,427	2,655	228	9.4%
54.3%	2,409	2,426	18	0.7%
55.6%	2,146	2,014	-133	-6.2%
56.8%	2,094	1,957	-137	-6.5%
58.0%	1,886	1,930	45	2.4%
59.3%	1,700	1,747	47	2.8%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,700	0	0.0%
67.9%	1,700	1,700	0	0.0%
69.1%	1,700	1,700	0	0.0%
70.4%	1,700	1,700	0	0.0%
71.6%	1,700	1,700	0	0.0%
72.8%	1,700	1,700	0	0.0%
74.1%	1,700	1,700	0	0.0%
75.3%	1,700	1,700	0	0.0%
76.5%	1,700	1,700	0	0.0%
77.8%	1,700	1,700	0	0.0%
79.0%	1,700	1,700	0	0.0%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,700	0	0.0%
82.7%	1,419	1,700	281	19.8%
84.0%	1,050	1,041	-9	-0.9%
85.2%	1,000	1,032	32	3.2%
86.4%	1,000	1,007	7	0.7%
87.7%	1,000	1,000	0	0.0%
88.9%	1,000	1,000	0	0.0%
90.1%	1,000	1,000	0	0.0%
91.4%	822	800	-22	-2.7%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	800	800	0	0.0%
98.8%	800	800	0	0.0%
100.0%	800	800	0	0.0%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	19,207	19,201	-6	0.0%
1.2%	15,954	15,949	-4	0.0%
2.5%	15,081	15,082	1	0.0%
3.7%	10,130	10,961	831	8.2%
4.9%	6,894	6,890	-3	0.0%
6.2%	5,637	5,630	-7	-0.1%
7.4%	5,319	5,315	-4	-0.1%
8.6%	4,770	4,766	-4	-0.1%
9.9%	4,231	4,223	-8	-0.2%
11.1%	4,071	4,066	-5	-0.1%
12.3%	3,776	3,735	-41	-1.1%
13.6%	3,440	3,456	16	0.5%
14.8%	3,432	3,427	-4	-0.1%
16.0%	3,400	3,408	9	0.3%
17.3%	3,067	3,391	323	10.5%
18.5%	2,982	2,897	-85	-2.9%
19.8%	2,897	2,661	-236	-8.2%
21.0%	2,669	2,382	-287	-10.8%
22.2%	2,397	2,328	-69	-2.9%
23.5%	2,349	2,274	-76	-3.2%
24.7%	2,329	2,209	-120	-5.2%
25.9%	2,211	2,181	-30	-1.3%
27.2%	2,172	2,150	-22	-1.0%
28.4%	2,154	2,111	-43	-2.0%
29.6%	2,016	1,964	-51	-2.5%
30.9%	2,007	1,929	-78	-3.9%
32.1%	1,751	1,745	-6	-0.4%
33.3%	1,584	1,675	92	5.8%
34.6%	1,544	1,576	32	2.1%
35.8%	1,454	1,509	55	3.8%
37.0%	1,450	1,445	-6	-0.4%
38.3%	1,428	1,424	-4	-0.3%
39.5%	1,380	1,348	-32	-2.3%
40.7%	1,351	1,317	-34	-2.5%
42.0%	1,342	1,289	-53	-4.0%
43.2%	1,178	1,150	-28	-2.4%
44.4%	1,151	1,117	-35	-3.0%
45.7%	1,126	1,000	-126	-11.2%
46.9%	1,049	1,000	-49	-4.6%
48.1%	1,000	1,000	0	0.0%
49.4%	1,000	1,000	0	0.0%
50.6%	1,000	1,000	0	0.0%
51.9%	1,000	1,000	0	0.0%
53.1%	1,000	1,000	0	0.0%
54.3%	1,000	1,000	0	0.0%
55.6%	1,000	1,000	0	0.0%
56.8%	1,000	1,000	0	0.0%
58.0%	1,000	1,000	0	0.0%
59.3%	1,000	1,000	0	0.0%
60.5%	1,000	1,000	0	0.0%
61.7%	1,000	1,000	0	0.0%
63.0%	1,000	1,000	0	0.0%
64.2%	1,000	1,000	0	0.0%
65.4%	1,000	1,000	0	0.0%
66.7%	1,000	1,000	0	0.0%
67.9%	1,000	1,000	0	0.0%
69.1%	1,000	1,000	0	0.0%
70.4%	1,000	1,000	0	0.0%
71.6%	1,000	1,000	0	0.0%
72.8%	1,000	1,000	0	0.0%
74.1%	1,000	1,000	0	0.0%
75.3%	1,000	1,000	0	0.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	1,000	0	0.0%
88.9%	1,000	1,000	0	0.0%
90.1%	1,000	846	-154	-15.4%
91.4%	752	750	-2	-0.3%
92.6%	750	750	0	0.0%
93.8%	750	750	0	0.0%
95.1%	750	750	0	0.0%
96.3%	750	750	0	0.0%
97.5%	750	750	0	0.0%
98.8%	750	750	0	0.0%
100.0%	750	750	0	0.0%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,687	7,678	-9	-0.1%
1.2%	6,093	6,094	0	0.0%
2.5%	3,061	4,167	1,106	36.1%
3.7%	2,943	3,248	304	10.3%
4.9%	2,898	3,060	162	5.6%
6.2%	2,765	3,021	256	9.2%
7.4%	2,725	2,943	217	8.0%
8.6%	2,655	2,781	126	4.7%
9.9%	2,626	2,743	117	4.4%
11.1%	2,598	2,693	95	3.7%
12.3%	2,526	2,623	97	3.8%
13.6%	2,461	2,575	113	4.6%
14.8%	2,430	2,526	96	4.0%
16.0%	2,378	2,499	121	5.1%
17.3%	2,339	2,464	125	5.3%
18.5%	2,323	2,436	114	4.9%
19.8%	2,316	2,378	63	2.7%
21.0%	2,152	2,316	165	7.7%
22.2%	2,121	2,308	188	8.8%
23.5%	2,056	2,293	237	11.6%
24.7%	2,040	2,284	244	12.0%
25.9%	1,980	2,227	247	12.5%
27.2%	1,976	2,193	217	11.0%
28.4%	1,974	2,151	177	9.0%
29.6%	1,956	2,144	189	9.6%
30.9%	1,888	2,095	207	10.9%
32.1%	1,884	2,045	160	8.5%
33.3%	1,863	1,964	101	5.4%
34.6%	1,862	1,893	31	1.7%
35.8%	1,777	1,775	-2	-0.1%
37.0%	1,731	1,690	-40	-2.3%
38.3%	1,708	1,647	-62	-3.6%
39.5%	1,695	1,593	-102	-6.0%
40.7%	1,657	1,589	-68	-4.1%
42.0%	1,607	1,553	-54	-3.4%
43.2%	1,573	1,543	-31	-2.0%
44.4%	1,528	1,350	-178	-11.7%
45.7%	1,414	1,297	-117	-8.3%
46.9%	1,364	1,271	-93	-6.8%
48.1%	1,336	1,220	-115	-8.6%
49.4%	1,277	1,160	-117	-9.1%
50.6%	1,267	1,126	-141	-11.2%
51.9%	1,203	1,102	-100	-8.3%
53.1%	1,178	1,096	-81	-6.9%
54.3%	1,161	1,095	-65	-5.6%
55.6%	1,102	1,062	-40	-3.6%
56.8%	1,100	1,046	-54	-4.9%
58.0%	1,099	1,045	-54	-4.9%
59.3%	1,065	1,000	-65	-6.1%
60.5%	1,050	1,000	-50	-4.7%
61.7%	1,000	1,000	0	0.0%
63.0%	1,000	1,000	0	0.0%
64.2%	1,000	1,000	0	0.0%
65.4%	1,000	1,000	0	0.0%
66.7%	1,000	1,000	0	0.0%
67.9%	1,000	1,000	0	0.0%
69.1%	1,000	1,000	0	0.0%
70.4%	1,000	1,000	0	0.0%
71.6%	1,000	1,000	0	0.0%
72.8%	1,000	1,000	0	0.0%
74.1%	1,000	1,000	0	0.0%
75.3%	1,000	1,000	0	0.0%
76.5%	1,000	1,000	0	0.0%
77.8%	1,000	1,000	0	0.0%
79.0%	1,000	1,000	0	0.0%
80.2%	1,000	1,000	0	0.0%
81.5%	1,000	1,000	0	0.0%
82.7%	1,000	1,000	0	0.0%
84.0%	1,000	1,000	0	0.0%
85.2%	1,000	1,000	0	0.0%
86.4%	1,000	1,000	0	0.0%
87.7%	1,000	1,000	0	0.0%
88.9%	1,000	1,000	0	0.0%
90.1%	1,000	1,000	0	0.0%
91.4%	1,000	1,000	0	0.0%
92.6%	1,000	816	-184	-18.4%
93.8%	1,000	750	-250	-25.0%
95.1%	856	750	-106	-12.4%
96.3%	774	750	-24	-3.1%
97.5%	750	750	0	0.0%
98.8%	750	750	0	0.0%
100.0%	750	750	0	0.0%

Table SW-22-b

Feather River below Thermalito, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,027	5,383	-1,644	-23.4%
1.2%	5,815	5,251	-564	-9.7%
2.5%	5,800	5,071	-730	-12.6%
3.7%	5,765	5,050	-715	-12.4%
4.9%	5,649	4,254	-1,395	-24.7%
6.2%	5,112	4,243	-869	-17.0%
7.4%	4,984	4,219	-765	-15.4%
8.6%	4,942	4,199	-742	-15.0%
9.9%	4,844	4,192	-651	-13.4%
11.1%	4,662	4,184	-478	-10.2%
12.3%	4,463	4,159	-304	-6.8%
13.6%	4,455	4,130	-325	-7.3%
14.8%	4,395	4,053	-342	-7.8%
16.0%	4,276	3,935	-341	-8.0%
17.3%	4,268	3,737	-531	-12.4%
18.5%	4,254	3,586	-668	-15.7%
19.8%	4,156	3,481	-674	-16.2%
21.0%	4,072	3,415	-657	-16.1%
22.2%	3,976	3,333	-642	-16.2%
23.5%	3,938	3,271	-667	-16.9%
24.7%	3,917	3,263	-654	-16.7%
25.9%	3,853	3,224	-629	-16.3%
27.2%	3,824	3,137	-687	-18.0%
28.4%	3,768	3,094	-674	-17.9%
29.6%	3,742	2,996	-746	-19.9%
30.9%	3,701	2,970	-732	-19.8%
32.1%	3,667	2,947	-720	-19.6%
33.3%	3,650	2,933	-717	-19.7%
34.6%	3,642	2,915	-727	-20.0%
35.8%	3,641	2,883	-758	-20.8%
37.0%	3,631	2,861	-770	-21.2%
38.3%	3,622	2,834	-787	-21.7%
39.5%	3,561	2,828	-733	-20.6%
40.7%	3,376	2,763	-612	-18.1%
42.0%	3,337	2,745	-592	-17.7%
43.2%	3,330	2,725	-605	-18.2%
44.4%	3,296	2,720	-576	-17.5%
45.7%	3,274	2,624	-650	-19.9%
46.9%	3,264	2,605	-659	-20.2%
48.1%	3,214	2,580	-634	-19.7%
49.4%	3,079	2,390	-690	-22.4%
50.6%	3,050	2,358	-692	-22.7%
51.9%	3,047	2,311	-736	-24.2%
53.1%	2,964	2,212	-752	-25.4%
54.3%	2,953	2,178	-775	-26.2%
55.6%	2,935	2,166	-769	-26.2%
56.8%	2,935	2,166	-768	-26.2%
58.0%	2,894	2,165	-729	-25.2%
59.3%	2,879	2,135	-744	-25.8%
60.5%	2,829	2,037	-792	-28.0%
61.7%	2,804	2,031	-773	-27.6%
63.0%	2,754	2,030	-724	-26.3%
64.2%	2,738	2,000	-738	-27.0%
65.4%	2,694	2,000	-694	-25.8%
66.7%	2,631	2,000	-631	-24.0%
67.9%	2,412	2,000	-412	-17.1%
69.1%	2,357	2,000	-357	-15.1%
70.4%	2,291	2,000	-291	-12.7%
71.6%	2,178	2,000	-178	-8.2%
72.8%	2,175	1,997	-178	-8.2%
74.1%	2,166	1,995	-171	-7.9%
75.3%	2,092	1,985	-107	-5.1%
76.5%	2,033	1,948	-86	-4.2%
77.8%	1,955	1,946	-9	-0.5%
79.0%	1,952	1,934	-18	-0.9%
80.2%	1,777	1,882	106	5.9%
81.5%	1,693	1,781	88	5.2%
82.7%	1,533	1,695	162	10.5%
84.0%	1,521	1,683	162	10.6%
85.2%	1,499	1,592	94	6.3%
86.4%	1,478	1,551	73	5.0%
87.7%	1,393	1,482	89	6.4%
88.9%	1,331	1,475	144	10.8%
90.1%	1,300	1,419	119	9.2%
91.4%	1,264	1,416	152	12.0%
92.6%	1,000	1,413	413	41.3%
93.8%	1,000	1,413	413	41.3%
95.1%	1,000	1,210	210	21.0%
96.3%	1,000	1,156	156	15.6%
97.5%	1,000	1,101	101	10.1%
98.8%	1,000	800	-200	-20.0%
100.0%	1,000	800	-200	-20.0%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,000	10,000	0	0.0%
1.2%	10,000	10,000	0	0.0%
2.5%	10,000	10,000	0	0.0%
3.7%	10,000	9,637	-363	-3.6%
4.9%	10,000	9,538	-462	-4.6%
6.2%	10,000	9,533	-467	-4.7%
7.4%	9,864	9,450	-414	-4.2%
8.6%	9,748	9,283	-464	-4.8%
9.9%	9,714	9,118	-595	-6.1%
11.1%	9,641	9,076	-565	-5.9%
12.3%	9,584	8,982	-602	-6.3%
13.6%	9,501	8,844	-656	-6.9%
14.8%	9,494	8,766	-728	-7.7%
16.0%	9,413	8,754	-659	-7.0%
17.3%	9,357	8,651	-706	-7.5%
18.5%	9,309	8,624	-685	-7.4%
19.8%	9,278	8,607	-671	-7.2%
21.0%	9,257	8,592	-665	-7.2%
22.2%	9,145	8,536	-609	-6.7%
23.5%	9,097	8,506	-591	-6.5%
24.7%	9,092	8,500	-592	-6.5%
25.9%	9,053	8,349	-704	-7.8%
27.2%	8,954	8,272	-683	-7.6%
28.4%	8,923	8,209	-714	-8.0%
29.6%	8,878	8,206	-672	-7.6%
30.9%	8,835	8,098	-736	-8.3%
32.1%	8,818	7,987	-832	-9.4%
33.3%	8,694	7,985	-709	-8.2%
34.6%	8,664	7,896	-768	-8.9%
35.8%	8,641	7,813	-828	-9.6%
37.0%	8,579	7,796	-783	-9.1%
38.3%	8,564	7,795	-769	-9.0%
39.5%	8,542	7,786	-756	-8.8%
40.7%	8,537	7,777	-760	-8.9%
42.0%	8,533	7,747	-785	-9.2%
43.2%	8,445	7,724	-721	-8.5%
44.4%	8,406	7,677	-729	-8.7%
45.7%	8,322	7,637	-685	-8.2%
46.9%	8,272	7,605	-667	-8.1%
48.1%	8,218	7,594	-624	-7.6%
49.4%	8,194	7,570	-624	-7.6%
50.6%	8,052	7,466	-587	-7.3%
51.9%	8,037	7,422	-615	-7.7%
53.1%	7,922	7,416	-505	-6.4%
54.3%	7,865	7,394	-471	-6.0%
55.6%	7,838	7,386	-452	-5.8%
56.8%	7,652	7,363	-288	-3.8%
58.0%	7,625	7,196	-430	-5.6%
59.3%	7,618	7,111	-507	-6.7%
60.5%	7,483	6,980	-503	-6.7%
61.7%	7,314	6,866	-447	-6.1%
63.0%	7,266	6,700	-566	-7.8%
64.2%	7,252	6,668	-583	-8.0%
65.4%	7,179	5,707	-1,471	-20.5%
66.7%	6,984	5,423	-1,562	-22.4%
67.9%	6,983	5,384	-1,599	-22.9%
69.1%	6,799	5,379	-1,420	-20.9%
70.4%	6,708	5,273	-1,435	-21.4%
71.6%	6,572	5,184	-1,388	-21.1%
72.8%	6,207	5,168	-1,038	-16.7%
74.1%	5,663	4,770	-893	-15.8%
75.3%	5,429	4,177	-1,252	-23.1%
76.5%	4,626	4,017	-609	-13.2%
77.8%	4,199	3,975	-224	-5.3%
79.0%	3,730	3,964	234	6.3%
80.2%	3,362	3,851	489	14.6%
81.5%	3,009	3,500	490	16.3%
82.7%	2,835	2,975	140	4.9%
84.0%	2,817	2,868	50	1.8%
85.2%	2,809	2,713	-96	-3.4%
86.4%	2,755	2,672	-82	-3.0%
87.7%	2,581	2,662	81	3.1%
88.9%	2,478	2,453	-25	-1.0%
90.1%	2,441	2,382	-59	-2.4%
91.4%	2,202	2,159	-43	-1.9%
92.6%	2,164	1,964	-200	-9.3%
93.8%	2,104	1,963	-141	-6.7%
95.1%	2,093	1,881	-212	-10.1%
96.3%	1,488	1,558	70	4.7%
97.5%	1,411	1,469	57	4.0%
98.8%	1,212	1,270	58	4.8%
100.0%	1,000	1,182	182	18.2%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	8,233	7,888	-345	-4.2%
1.2%	7,892	7,822	-71	-0.9%
2.5%	7,885	7,749	-135	-1.7%
3.7%	7,844	7,677	-168	-2.1%
4.9%	7,814	7,614	-200	-2.6%
6.2%	7,791	7,574	-216	-2.8%
7.4%	7,727	7,567	-160	-2.1%
8.6%	7,629	7,513	-116	-1.5%
9.9%	7,607	7,468	-139	-1.8%
11.1%	7,579	7,447	-132	-1.7%
12.3%	7,508	7,447	-61	-0.8%
13.6%	7,487	7,439	-48	-0.6%
14.8%	7,476	7,426	-50	-0.7%
16.0%	7,474	7,306	-168	-2.2%
17.3%	7,432	7,285	-147	-2.0%
18.5%	7,422	7,128	-294	-4.0%
19.8%	7,341	7,096	-244	-3.3%
21.0%	7,312	6,942	-369	-5.1%
22.2%	7,289	6,927	-363	-5.0%
23.5%	7,274	6,795	-479	-6.6%
24.7%	7,221	6,702	-519	-7.2%
25.9%	7,184	6,675	-510	-7.1%
27.2%	7,104	6,616	-489	-6.9%
28.4%	7,020	6,487	-533	-7.6%
29.6%	6,997	6,466	-531	-7.6%
30.9%	6,995	6,440	-555	-7.9%
32.1%	6,974	6,411	-562	-8.1%
33.3%	6,951	6,315	-636	-9.1%
34.6%	6,864	6,291	-573	-8.3%
35.8%	6,848	6,284	-564	-8.2%
37.0%	6,847	6,251	-596	-8.7%
38.3%	6,828	6,077	-751	-11.0%
39.5%	6,676	6,043	-634	-9.5%
40.7%	6,625	6,031	-594	-9.0%
42.0%	6,463	6,010	-453	-7.0%
43.2%	6,302	5,852	-350	-5.6%
44.4%	5,994	5,809	-185	-3.1%
45.7%	5,918	5,718	-200	-3.4%
46.9%	5,839	5,371	-468	-8.0%
48.1%	5,425	5,363	-62	-1.1%
49.4%	5,371	5,244	-127	-2.4%
50.6%	5,355	5,198	-157	-2.9%
51.9%	4,792	5,010	219	4.6%
53.1%	4,705	4,888	182	3.9%
54.3%	4,577	4,596	18	0.4%
55.6%	4,538	4,579	41	0.9%
56.8%	4,455	4,359	-97	-2.2%
58.0%	4,151	4,217	67	1.6%
59.3%	4,054	4,144	90	2.2%
60.5%	4,043	3,826	-218	-5.4%
61.7%	3,956	3,808	-148	-3.8%
63.0%	3,732	3,771	39	1.0%
64.2%	3,721	3,758	37	1.0%
65.4%	3,687	3,521	-166	-4.5%
66.7%	3,664	3,470	-194	-5.3%
67.9%	3,655	3,380	-274	-7.5%
69.1%	3,349	3,194	-156	-4.6%
70.4%	3,128	3,049	-79	-2.5%
71.6%	3,029	2,945	-85	-2.8%
72.8%	2,849	2,723	-126	-4.4%
74.1%	2,798	2,677	-121	-4.3%
75.3%	2,440	2,560	120	4.9%
76.5%	2,371	2,524	153	6.5%
77.8%	2,137	2,477	341	15.9%
79.0%	2,094	2,152	58	2.8%
80.2%	2,005	2,104	100	5.0%
81.5%	1,885	2,008	123	6.5%
82.7%	1,875	1,656	-219	-11.7%
84.0%	1,874	1,610	-265	-14.1%
85.2%	1,827	1,469	-358	-19.6%
86.4%	1,820	1,330	-490	-26.9%
87.7%	1,769	1,279	-491	-27.7%
88.9%	1,528	1,215	-313	-20.5%
90.1%	1,490	1,187	-303	-20.3%
91.4%	1,466	1,161	-305	-20.8%
92.6%	1,434	1,121	-313	-21.8%
93.8%	1,357	1,102	-255	-18.8%
95.1%	1,227	1,061	-167	-13.6%
96.3%	1,026	1,000	-26	-2.5%
97.5%	971	1,000	29	3.0%
98.8%	921	1,000	79	8.6%
100.0%	778	920	142	18.2%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,000	10,000	0	0.0%
1.2%	10,000	10,000	0	0.0%
2.5%	10,000	9,842	-158	-1.6%
3.7%	10,000	9,807	-193	-1.9%
4.9%	9,865	9,753	-112	-1.1%
6.2%	9,753	9,746	-7	-0.1%
7.4%	9,653	9,568	-84	-0.9%
8.6%	9,502	9,536	34	0.4%
9.9%	9,501	9,166	-335	-3.5%
11.1%	9,386	9,165	-221	-2.4%
12.3%	9,377	8,788	-589	-6.3%
13.6%	9,255	8,758	-497	-5.4%
14.8%	9,071	8,683	-388	-4.3%
16.0%	8,782	8,651	-131	-1.5%
17.3%	8,559	8,407	-153	-1.8%
18.5%	8,255	8,311	56	0.7%
19.8%	8,008	8,287	279	3.5%
21.0%	7,968	8,133	165	2.1%
22.2%	7,959	7,983	24	0.3%
23.5%	7,797	7,570	-227	-2.9%
24.7%	7,736	7,502	-235	-3.0%
25.9%	7,723	7,499	-224	-2.9%
27.2%	7,530	7,229	-302	-4.0%
28.4%	7,420	7,186	-234	-3.2%
29.6%	7,310	7,062	-248	-3.4%
30.9%	7,306	6,950	-356	-4.9%
32.1%	7,068	6,745	-323	-4.6%
33.3%	7,024	6,524	-500	-7.1%
34.6%	6,940	6,477	-463	-6.7%
35.8%	6,667	6,231	-436	-6.5%
37.0%	6,202	5,833	-369	-6.0%
38.3%	5,784	5,557	-227	-3.9%
39.5%	5,676	5,184	-492	-8.7%
40.7%	5,130	5,126	-5	-0.1%
42.0%	4,968	5,084	115	2.3%
43.2%	4,943	4,889	-54	-1.1%
44.4%	4,794	4,811	16	0.3%
45.7%	4,757	4,738	-19	-0.4%
46.9%	4,677	4,695	19	0.4%
48.1%	4,670	4,493	-177	-3.8%
49.4%	4,669	4,380	-289	-6.2%
50.6%	4,427	4,379	-49	-1.1%
51.9%	4,117	4,154	37	0.9%
53.1%	3,939	4,052	113	2.9%
54.3%	3,649	3,921	272	7.4%
55.6%	3,511	3,873	362	10.3%
56.8%	3,432	3,751	319	9.3%
58.0%	3,386	3,714	328	9.7%
59.3%	3,360	3,509	149	4.4%
60.5%	3,316	2,924	-391	-11.8%
61.7%	3,195	2,902	-293	-9.2%
63.0%	3,109	2,812	-297	-9.5%
64.2%	3,082	2,782	-300	-9.7%
65.4%	2,718	2,641	-77	-2.8%
66.7%	2,414	2,576	162	6.7%
67.9%	2,279	2,518	239	10.5%
69.1%	2,058	2,458	400	19.4%
70.4%	2,026	2,343	317	15.6%
71.6%	1,708	2,145	437	25.6%
72.8%	1,641	2,037	396	24.1%
74.1%	1,584	1,889	305	19.2%
75.3%	1,577	1,828	251	15.9%
76.5%	1,492	1,826	334	22.4%
77.8%	1,461	1,738	278	19.0%
79.0%	1,265	1,726	461	36.5%
80.2%	1,246	1,706	460	36.9%
81.5%	1,230	1,587	357	29.0%
82.7%	1,216	1,485	269	22.1%
84.0%	1,208	1,467	259	21.4%
85.2%	1,203	1,461	258	21.4%
86.4%	1,156	1,430	274	23.7%
87.7%	1,149	1,346	197	17.1%
88.9%	1,106	1,321	216	19.5%
90.1%	1,090	1,295	205	18.8%
91.4%	1,045	1,218	172	16.5%
92.6%	1,000	1,188	188	18.8%
93.8%	1,000	1,145	145	14.5%
95.1%	1,000	1,089	89	8.9%
96.3%	1,000	1,025	25	2.5%
97.5%	1,000	1,000	0	0.0%
98.8%	880	1,000	120	13.7%
100.0%	863	860	-4	-0.4%

Figure SW-23-b
Feather River at Mouth, Monthly Flow
Probability of Exceedance

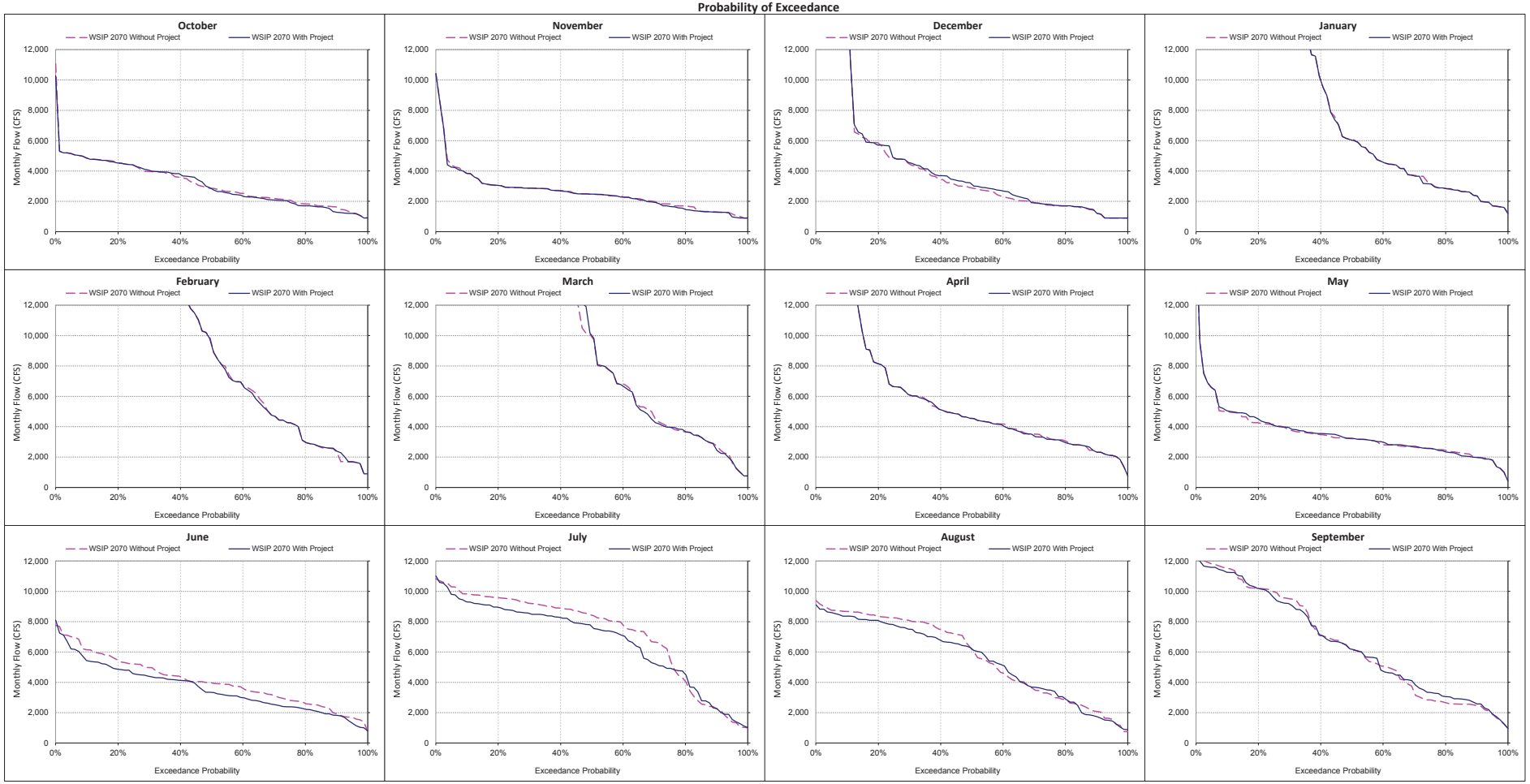


Table SW-23-b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	11,079	10,285	-794	-7.2%
1.2%	5,307	5,305	-2	0.0%
2.5%	5,193	5,195	2	0.0%
3.7%	5,192	5,192	0	0.0%
4.9%	5,152	5,154	2	0.0%
6.2%	5,051	5,052	1	0.0%
7.4%	5,024	5,023	-1	0.0%
8.6%	4,973	4,969	-4	-0.1%
9.9%	4,857	4,861	4	0.1%
11.1%	4,785	4,777	-7	-0.2%
12.3%	4,768	4,772	4	0.1%
13.6%	4,747	4,746	-1	0.0%
14.8%	4,711	4,698	-12	-0.3%
16.0%	4,698	4,697	-1	0.0%
17.3%	4,685	4,623	-63	-1.3%
18.5%	4,647	4,602	-45	-1.0%
19.8%	4,525	4,535	10	0.2%
21.0%	4,512	4,515	2	0.0%
22.2%	4,453	4,453	0	0.0%
23.5%	4,422	4,421	-2	0.0%
24.7%	4,397	4,405	7	0.2%
25.9%	4,284	4,281	-3	-0.1%
27.2%	4,125	4,220	95	2.3%
28.4%	3,988	4,114	126	3.2%
29.6%	3,961	4,062	101	2.6%
30.9%	3,956	3,987	31	0.8%
32.1%	3,952	3,956	4	0.1%
33.3%	3,935	3,953	18	0.5%
34.6%	3,932	3,938	5	0.1%
35.8%	3,818	3,937	119	3.1%
37.0%	3,814	3,856	42	1.1%
38.3%	3,620	3,824	204	5.6%
39.5%	3,596	3,820	224	6.2%
40.7%	3,549	3,671	123	3.5%
42.0%	3,489	3,663	174	5.0%
43.2%	3,304	3,619	315	9.5%
44.4%	3,245	3,594	350	10.8%
45.7%	3,063	3,402	339	11.1%
46.9%	2,994	3,287	294	9.8%
48.1%	2,921	3,001	81	2.8%
49.4%	2,860	2,903	43	1.5%
50.6%	2,851	2,747	-103	-3.6%
51.9%	2,791	2,654	-138	-4.9%
53.1%	2,745	2,645	-100	-3.6%
54.3%	2,659	2,579	-79	-3.0%
55.6%	2,652	2,544	-109	-4.1%
56.8%	2,644	2,455	-189	-7.1%
58.0%	2,600	2,433	-168	-6.4%
59.3%	2,527	2,411	-115	-4.6%
60.5%	2,520	2,309	-211	-8.4%
61.7%	2,344	2,291	-53	-2.2%
63.0%	2,312	2,284	-29	-1.2%
64.2%	2,293	2,258	-35	-1.5%
65.4%	2,268	2,211	-57	-2.5%
66.7%	2,257	2,178	-79	-3.5%
67.9%	2,256	2,111	-145	-6.4%
69.1%	2,201	2,100	-102	-4.6%
70.4%	2,180	2,086	-94	-4.3%
71.6%	2,149	2,066	-83	-3.9%
72.8%	2,128	2,055	-73	-3.4%
74.1%	2,072	2,044	-27	-1.3%
75.3%	2,071	1,918	-153	-7.4%
76.5%	1,935	1,847	-88	-4.5%
77.8%	1,854	1,726	-127	-6.9%
79.0%	1,842	1,700	-142	-7.7%
80.2%	1,821	1,700	-121	-6.7%
81.5%	1,817	1,700	-117	-6.5%
82.7%	1,789	1,677	-112	-6.3%
84.0%	1,700	1,632	-68	-4.0%
85.2%	1,700	1,630	-70	-4.1%
86.4%	1,688	1,610	-78	-4.6%
87.7%	1,676	1,533	-144	-8.6%
88.9%	1,641	1,334	-307	-18.7%
90.1%	1,629	1,270	-359	-22.0%
91.4%	1,467	1,255	-212	-14.5%
92.6%	1,441	1,228	-213	-14.8%
93.8%	1,335	1,200	-135	-10.1%
95.1%	1,232	1,200	-32	-2.6%
96.3%	1,200	1,176	-24	-2.0%
97.5%	1,061	1,067	6	0.6%
98.8%	960	900	-60	-6.3%
100.0%	912	900	-12	-1.3%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,419	10,420	0	0.0%
1.2%	8,678	8,676	-1	0.0%
2.5%	6,907	6,909	2	0.0%
3.7%	4,750	4,407	-342	-7.2%
4.9%	4,412	4,262	-150	-3.4%
6.2%	4,261	4,215	-46	-1.1%
7.4%	4,214	4,072	-142	-3.4%
8.6%	4,011	4,020	9	0.2%
9.9%	3,846	3,847	1	0.0%
11.1%	3,823	3,827	5	0.1%
12.3%	3,613	3,613	0	0.0%
13.6%	3,486	3,486	0	0.0%
14.8%	3,176	3,189	13	0.4%
16.0%	3,141	3,139	-1	0.0%
17.3%	3,081	3,104	23	0.8%
18.5%	3,060	3,080	21	0.7%
19.8%	3,037	3,061	23	0.8%
21.0%	3,027	3,024	-3	-0.1%
22.2%	2,929	2,931	2	0.1%
23.5%	2,925	2,925	0	0.0%
24.7%	2,912	2,914	3	0.1%
25.9%	2,904	2,904	0	0.0%
27.2%	2,903	2,904	1	0.0%
28.4%	2,884	2,872	-12	-0.4%
29.6%	2,874	2,872	-2	-0.1%
30.9%	2,872	2,871	-1	0.0%
32.1%	2,870	2,850	-19	-0.7%
33.3%	2,858	2,849	-10	-0.3%
34.6%	2,847	2,829	-18	-0.6%
35.8%	2,824	2,827	3	0.1%
37.0%	2,734	2,725	-9	-0.3%
38.3%	2,723	2,719	-4	-0.2%
39.5%	2,719	2,704	-15	-0.6%
40.7%	2,704	2,665	-39	-1.4%
42.0%	2,670	2,640	-29	-1.1%
43.2%	2,640	2,574	-66	-2.5%
44.4%	2,525	2,524	-1	0.0%
45.7%	2,517	2,493	-24	-0.9%
46.9%	2,492	2,489	-3	-0.1%
48.1%	2,490	2,486	-4	-0.2%
49.4%	2,480	2,483	3	0.1%
50.6%	2,461	2,479	18	0.7%
51.9%	2,457	2,459	2	0.1%
53.1%	2,451	2,450	-1	0.0%
54.3%	2,401	2,426	25	1.1%
55.6%	2,365	2,400	36	1.5%
56.8%	2,359	2,365	6	0.3%
58.0%	2,346	2,361	14	0.6%
59.3%	2,343	2,284	-59	-2.5%
60.5%	2,276	2,273	-3	-0.1%
61.7%	2,259	2,261	2	0.1%
63.0%	2,199	2,181	-18	-0.8%
64.2%	2,181	2,168	-13	-0.6%
65.4%	2,168	2,084	-83	-3.8%
66.7%	2,075	2,080	4	0.2%
67.9%	2,044	1,979	-65	-3.2%
69.1%	2,017	1,966	-51	-2.5%
70.4%	1,974	1,935	-39	-2.0%
71.6%	1,841	1,847	6	0.3%
72.8%	1,831	1,700	-131	-7.2%
74.1%	1,830	1,700	-130	-7.1%
75.3%	1,824	1,660	-163	-9.0%
76.5%	1,700	1,629	-71	-4.2%
77.8%	1,700	1,561	-139	-8.2%
79.0%	1,700	1,544	-156	-9.2%
80.2%	1,700	1,440	-260	-15.3%
81.5%	1,656	1,427	-229	-13.8%
82.7%	1,628	1,379	-250	-15.3%
84.0%	1,357	1,359	2	0.1%
85.2%	1,347	1,320	-27	-2.0%
86.4%	1,329	1,317	-12	-0.9%
87.7%	1,326	1,314	-12	-0.9%
88.9%	1,312	1,296	-15	-1.2%
90.1%	1,304	1,284	-19	-1.5%
91.4%	1,281	1,280	-1	0.0%
92.6%	1,275	1,276	1	0.0%
93.8%	1,271	1,250	-21	-1.7%
95.1%	1,160	967	-193	-16.6%
96.3%	1,044	934	-110	-10.5%
97.5%	996	900	-96	-9.6%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	59,089	61,868	2,779	4.7%
1.2%	39,897	40,218	321	0.8%
2.5%	32,392	35,180	2,788	8.6%
3.7%	24,756	26,761	2,005	8.1%
4.9%	19,786	22,940	3,154	15.9%
6.2%	19,719	19,234	-485	-2.5%
7.4%	18,127	17,547	-580	-3.2%
8.6%	16,964	17,184	221	1.3%
9.9%	16,953	16,969	15	0.1%
11.1%	11,170	11,172	2	0.0%
12.3%	6,566	7,047	481	7.3%
13.6%	6,443	6,568	124	1.9%
14.8%	6,223	6,447	225	3.6%
16.0%	6,147	5,901	-246	-4.0%
17.3%	5,894	5,878	-16	-0.3%
18.5%	5,874	5,857	-17	-0.3%
19.8%	5,873	5,717	-156	-2.7%
21.0%	5,679	5,715	35	0.6%
22.2%	5,222	5,680	458	8.8%
23.5%	4,904	5,659	755	15.4%
24.7%	4,851	4,905	54	1.1%
25.9%	4,791	4,791	0	0.0%
27.2%	4,775	4,780	5	0.1%
28.4%	4,761	4,764	3	0.1%
29.6%	4,503	4,567	64	1.4%
30.9%	4,369	4,503	134	3.1%
32.1%	4,347	4,393	46	1.1%
33.3%	4,145	4,347	201	4.9%
34.6%	4,130	4,149	19	0.5%
35.8%	3,893	4,131	238	6.1%
37.0%	3,686	3,892	206	5.6%
38.3%	3,634	3,741	107	2.9%
39.5%	3,461	3,688	227	6.6%
40.7%	3,423	3,682	259	7.6%
42.0%	3,229	3,665	437	13.5%
43.2%	3,226	3,462	236	7.3%
44.4%	3,116	3,425	308	9.9%
45.7%	3,017	3,345	328	10.9%
46.9%	2,994	3,336	342	11.4%
48.1%	2,980	3,237	257	8.6%
49.4%	2,903	3,226	324	11.1%
50.6%	2,850	3,003	154	5.4%
51.9%	2,821	2,982	161	5.7%
53.1%	2,739	2,913	173	6.3%
54.3%	2,712	2,907	194	7.2%
55.6%	2,667	2,843	177	6.6%
56.8%	2,635	2,821	186	7.0%
58.0%	2,439	2,740	301	12.3%
59.3%	2,347	2,715	368	15.7%
60.5%	2,280	2,669	389	17.1%
61.7%	2,219	2,636	417	18.8%
63.0%	2,168	2,443	275	12.7%
64.2%	2,048	2,350	302	14.7%
65.4%	2,036	2,284	249	12.2%
66.7%	2,030	2,224	194	9.6%
67.9%	2,018	2,167	149	7.4%
69.1%	1,998	1,913	-85	-4.3%
70.4%	1,882	1,889	6	0.3%
71.6%	1,865	1,868	3	0.2%
72.8%	1,806	1,819	13	0.7%
74.1%	1,752	1,811	59	3.4%
75.3%	1,744	1,785	41	2.3%
76.5%	1,700	1,746	46	2.7%
77.8%	1,700	1,722	22	1.3%
79.0%	1,700	1,700	0	0.0%
80.2%	1,700	1,700	0	0.0%
81.5%	1,700	1,700	0	0.0%
82.7%	1,655	1,660	5	0.3%
84.0%	1,644	1,656	11	0.7%
85.2%	1,570	1,644	74	4.7%
86.4%	1,556	1,570	15	0.9%
87.7%	1,459	1,499	40	2.7%
88.9%	1,429	1,461	32	2.2%
90.1%	1,200	1,200	0	0.0%
91.4%	1,152	1,156	4	0.4%
92.6%	900	900	0	0.0%
93.8%	900	900	0	0.0%
95.1%	900	900	0	0.0%
96.3%	900	900	0	0.0%
97.5%	900	900	0	0.0%
98.8%	900	900	0	0.0%
100.0%	900	900	0	0.0%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	115,044	115,031	-13	0.0%
1.2%	88,093	87,877	-216	-0.2%
2.5%	69,602	69,287	-315	-0.5%
3.7%	59,068	57,195	-1,873	-3.2%
4.9%	49,576	52,724	3,148	6.3%
6.2%	48,813	49,696	883	1.8%
7.4%	45,944	45,837	-108	-0.2%
8.6%	44,760	45,805	1,045	2.3%
9.9%	40,482	40,362	-121	-0.3%
11.1%	30,063	30,204	142	0.5%
12.3%	28,284	30,053	1,769	6.3%
13.6%	27,338	29,986	2,648	9.7%
14.8%	26,848	28,896	2,048	7.6%
16.0%	25,240	27,457	2,217	8.8%
17.3%	22,521	25,240	2,719	12.1%
18.5%	22,476	22,615	140	0.6%
19.8%	22,034	22,522	488	2.2%
21.0%	21,543	22,502	959	4.5%
22.2%	20,326	20,594	268	1.3%
23.5%	20,037	20,560	523	2.6%
24.7%	19,900	20,329	429	2.2%
25.9%	17,911	20,239	2,328	13.0%
27.2%	17,713	17,593	-120	-0.7%
28.4%	15,210	15,139	-70	-0.5%
29.6%	15,138	15,105	-33	-0.2%
30.9%	13,920	14,530	611	4.4%
32.1%	13,528	13,529	1	0.0%
33.3%	13,431	13,436	5	0.0%
34.6%	13,354	13,358	4	0.0%
35.8%	12,797	12,802	5	0.0%
37.0%	11,662	11,665	3	0.0%
38.3%	11,568	11,569	1	0.0%
39.5%	10,275	10,268	-7	-0.1%
40.7%	9,522	9,532	10	0.1%
42.0%	8,971	8,988	17	0.2%
43.2%	7,875	7,861	-14	-0.2%
44.4%	7,604	7,397	-207	-2.7%
45.7%	7,045	7,044	-1	0.0%
46.9%	6,268	6,268	0	0.0%
48.1%	6,152	6,154	2	0.0%
49.4%	6,076	6,079	2	0.0%
50.6%	6,060	6,005	-54	-0.9%
51.9%	5,899	5,900	1	0.0%
53.1%	5,666	5,602	-63	-1.1%
54.3%	5,533	5,535	2	0.0%
55.6%	5,226	5,232	6	0.1%
56.8%	5,116	5,117	2	0.0%
58.0%	4,751	4,754	3	0.1%
59.3%	4,640	4,643	3	0.1%
60.5%	4,531	4,537	6	0.1%
61.7%	4,443	4,468	25	0.6%
63.0%	4,424	4,444	20	0.5%
64.2%	4,387	4,385	-2	-0.1%
65.4%	4,174	4,173	-1	0.0%
66.7%	4,166	4,151	-15	-0.4%
67.9%	3,749	3,751	2	0.0%
69.1%	3,733	3,728	-6	-0.2%
70.4%	3,704	3,659	-45	-1.2%
71.6%	3,658	3,656	-2	0.0%
72.8%	3,653	3,183	-470	-12.9%
74.1%	3,322	3,167	-155	-4.7%
75.3%	3,165	3,141	-24	-0.8%
76.5%	2,982	2,934	-49	-1.6%
77.8%	2,892	2,893	0	0.0%
79.0%	2,889	2,881	-8	-0.3%
80.2%	2,837	2,840	3	0.1%
81.5%	2,785	2,830	45	1.6%
82.7%	2,746	2,748	2	0.1%
84.0%	2,736	2,735	0	0.0%
85.2%	2,640	2,643	3	0.1%
86.4%	2,635	2,636	1	0.0%
87.7%	2,615	2,615	0	0.0%
88.9%	2,400	2,401	1	0.0%
90.1%	2,354	2,356	2	0.1%
91.4%	1,989	1,989	0	0.0%
92.6%	1,959	1,958	-1	-0.1%
93.8%	1,930	1,937	7	0.4%
95.1%	1,700	1,700	0	0.0%
96.3%	1,662	1,683	21	1.3%
97.5%	1,623	1,629	6	0.4%
98.8%	1,614	1,594	-20	-1.2%
100.0%	1,200	1,200	0	0.0%

Table SW-23-b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	107,796	108,198	402	0.4%
1.2%	77,795	77,797	2	0.0%
2.5%	60,774	64,836	4,062	6.7%
3.7%	59,466	59,466	0	0.0%
4.9%	57,446	57,446	0	0.0%
6.2%	55,169	55,143	-26	0.0%
7.4%	49,928	50,500	573	1.1%
8.6%	49,403	49,211	-192	-0.4%
9.9%	49,216	46,682	-2,534	-5.1%
11.1%	42,306	43,009	703	1.7%
12.3%	41,601	41,588	-13	0.0%
13.6%	39,920	39,922	2	0.0%
14.8%	39,625	39,617	-9	0.0%
16.0%	39,302	39,151	-151	-0.4%
17.3%	38,631	38,645	14	0.0%
18.5%	36,503	36,507	4	0.0%
19.8%	35,163	36,414	1,251	3.6%
21.0%	34,628	36,037	1,409	4.1%
22.2%	33,969	33,136	-833	-2.5%
23.5%	31,127	32,935	1,807	5.8%
24.7%	31,102	31,098	-3	0.0%
25.9%	30,932	30,931	-1	0.0%
27.2%	29,158	29,384	226	0.8%
28.4%	28,705	29,159	455	1.6%
29.6%	28,291	28,706	415	1.5%
30.9%	27,872	28,275	403	1.4%
32.1%	27,555	27,878	323	1.2%
33.3%	25,664	25,666	2	0.0%
34.6%	21,337	21,338	1	0.0%
35.8%	19,090	18,766	-324	-1.7%
37.0%	17,111	17,194	83	0.5%
38.3%	15,916	15,919	3	0.0%
39.5%	13,264	13,272	8	0.1%
40.7%	13,161	12,515	-646	-4.9%
42.0%	12,513	12,298	-215	-1.7%
43.2%	11,802	11,799	-2	0.0%
44.4%	11,500	11,501	1	0.0%
45.7%	11,051	11,057	6	0.1%
46.9%	10,299	10,303	4	0.0%
48.1%	10,213	10,215	2	0.0%
49.4%	9,919	9,815	-105	-1.1%
50.6%	8,890	8,895	5	0.1%
51.9%	8,469	8,455	-15	-0.2%
53.1%	8,104	8,095	-9	-0.1%
54.3%	7,973	7,759	-213	-2.7%
55.6%	7,412	7,244	-168	-2.3%
56.8%	7,034	7,034	0	0.0%
58.0%	6,988	6,953	-35	-0.5%
59.3%	6,945	6,948	3	0.0%
60.5%	6,608	6,550	-58	-0.9%
61.7%	6,549	6,391	-158	-2.4%
63.0%	6,389	6,207	-182	-2.9%
64.2%	6,198	5,816	-382	-6.2%
65.4%	5,815	5,550	-265	-4.6%
66.7%	5,545	5,273	-271	-4.9%
67.9%	5,044	5,047	3	0.1%
69.1%	4,756	4,759	3	0.1%
70.4%	4,677	4,677	0	0.0%
71.6%	4,439	4,443	4	0.1%
72.8%	4,437	4,437	0	0.0%
74.1%	4,275	4,282	8	0.2%
75.3%	4,247	4,248	0	0.0%
76.5%	4,145	4,147	2	0.0%
77.8%	3,998	4,005	7	0.2%
79.0%	3,105	3,108	4	0.1%
80.2%	2,953	2,952	0	0.0%
81.5%	2,881	2,883	2	0.1%
82.7%	2,845	2,851	6	0.2%
84.0%	2,731	2,738	6	0.2%
85.2%	2,620	2,680	60	2.3%
86.4%	2,586	2,621	35	1.3%
87.7%	2,582	2,587	5	0.2%
88.9%	2,544	2,582	38	1.5%
90.1%	2,329	2,376	47	2.0%
91.4%	1,700	2,276	576	33.9%
92.6%	1,700	2,019	319	18.8%
93.8%	1,680	1,700	20	1.2%
95.1%	1,669	1,700	31	1.8%
96.3%	1,645	1,650	5	0.3%
97.5%	1,569	1,577	8	0.5%
98.8%	900	900	0	
100.0%	900	900	0	

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	77,390	77,393	3	0.0%
1.2%	74,772	74,775	3	0.0%
2.5%	63,538	62,479	-1,059	-1.7%
3.7%	58,580	58,415	-165	-0.3%
4.9%	57,268	57,269	1	0.0%
6.2%	47,882	47,884	2	0.0%
7.4%	46,320	46,321	1	0.0%
8.6%	45,826	45,821	-5	0.0%
9.9%	38,150	38,153	3	0.0%
11.1%	32,607	33,594	987	3.0%
12.3%	31,510	31,510	0	0.0%
13.6%	30,461	30,458	-3	0.0%
14.8%	30,119	30,131	12	0.0%
16.0%	29,841	29,850	8	0.0%
17.3%	28,265	28,267	3	0.0%
18.5%	27,845	27,854	10	0.0%
19.8%	27,009	27,010	2	0.0%
21.0%	26,956	26,957	0	0.0%
22.2%	26,159	26,163	5	0.0%
23.5%	25,694	25,693	0	0.0%
24.7%	25,577	25,467	-110	-0.4%
25.9%	24,088	24,088	0	0.0%
27.2%	22,119	22,124	4	0.0%
28.4%	20,299	20,629	330	1.6%
29.6%	19,601	20,151	550	2.8%
30.9%	19,423	19,603	181	0.9%
32.1%	18,766	19,425	659	3.5%
33.3%	18,511	18,441	-70	-0.4%
34.6%	17,659	18,372	713	4.0%
35.8%	17,581	17,674	93	0.5%
37.0%	16,982	16,983	1	0.0%
38.3%	15,898	16,405	507	3.2%
39.5%	15,244	15,899	655	4.3%
40.7%	14,388	14,810	422	2.9%
42.0%	14,332	14,389	57	0.4%
43.2%	13,110	13,902	792	6.0%
44.4%	12,869	13,103	235	1.8%
45.7%	11,917	12,870	954	8.0%
46.9%	10,487	12,128	1,641	15.6%
48.1%	10,161	11,921	1,760	17.3%
49.4%	10,084	10,166	81	0.8%
50.6%	9,744	9,825	81	0.8%
51.9%	8,035	8,076	41	0.5%
53.1%	7,963	8,037	73	0.9%
54.3%	7,914	7,964	50	0.6%
55.6%	7,723	7,735	12	0.2%
56.8%	7,527	7,528	2	0.0%
58.0%	6,845	6,838	-7	-0.1%
59.3%	6,840	6,788	-52	-0.8%
60.5%	6,784	6,603	-181	-2.7%
61.7%	6,600	6,428	-173	-2.6%
63.0%	6,288	6,290	2	0.0%
64.2%	5,568	5,429	-139	-2.5%
65.4%	5,307	5,113	-194	-3.7%
66.7%	5,305	5,006	-300	-5.7%
67.9%	5,125	4,831	-295	-5.7%
69.1%	5,002	4,508	-494	-9.9%
70.4%	4,506	4,259	-247	-5.5%
71.6%	4,301	4,182	-120	-2.8%
72.8%	4,178	4,051	-127	-3.0%
74.1%	4,056	3,967	-89	-2.2%
75.3%	3,961	3,963	2	0.0%
76.5%	3,805	3,934	130	3.4%
77.8%	3,749	3,842	93	2.5%
79.0%	3,697	3,816	119	3.2%
80.2%	3,651	3,652	1	0.0%
81.5%	3,624	3,625	1	0.0%
82.7%	3,433	3,450	17	0.5%
84.0%	3,394	3,447	53	1.6%
85.2%	3,284	3,288	4	0.1%
86.4%	3,074	3,074	0	0.0%
87.7%	2,947	2,979	33	1.1%
88.9%	2,902	2,885	-17	-0.6%
90.1%	2,707	2,433	-274	-10.1%
91.4%	2,427	2,243	-183	-7.6%
92.6%	2,243	2,228	-15	-0.7%
93.8%	2,226	1,972	-254	-11.4%
95.1%	1,604	1,716	112	7.0%
96.3%	1,253	1,255	2	0.2%
97.5%	1,000	1,000	0	0.0%
98.8%	750	750	0	
100.0%	750	750	0	

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	51,497	51,495	-3	0.0%
1.2%	37,463	37,461	-2	0.0%
2.5%	32,218	32,216	-2	0.0%
3.7%	27,457	27,452	-5	0.0%
4.9%	22,596	22,590	-6	0.0%
6.2%	19,506	19,504	-3	0.0%
7.4%	16,845	17,635	789	4.7%
8.6%	16,800	16,838	37	0.2%
9.9%	15,233	15,233	0	0.0%
11.1%	14,596	14,595	-1	0.0%
12.3%	13,209	13,207	-2	0.0%
13.6%	11,800	11,801	1	0.0%
14.8%	10,302	10,302	1	0.0%
16.0%	9,112	9,112	0	0.0%
17.3%	9,057	9,063	6	0.1%
18.5%	8,270	8,262	-9	-0.1%
19.8%	8,159	8,162	3	0.0%
21.0%	8,086	8,082	-5	-0.1%
22.2%	7,880	7,872	-8	-0.1%
23.5%	6,813	6,817	4	0.1%
24.7%	6,653	6,641	-12	-0.2%
25.9%	6,640	6,617	-23	-0.3%
27.2%	6,588	6,588	1	0.0%
28.4%	6,362	6,363	1	0.0%
29.6%	6,120	6,117	-3	-0.1%
30.9%	6,031	6,032	1	0.0%
32.1%	6,029	6,027	-1	0.0%
33.3%	6,019	5,910	-109	-1.8%
34.6%	5,909	5,844	-65	-1.1%
35.8%	5,727	5,724	-3	0.0%
37.0%	5,393	5,623	230	4.3%
38.3%	5,324	5,384	60	1.1%
39.5%	5,148	5,153	6	0.1%
40.7%	5,072	5,074	2	0.0%
42.0%	4,984	4,943	-41	-0.8%
43.2%	4,921	4,930	9	0.2%
44.4%	4,864	4,867	3	0.1%
45.7%	4,828	4,828	-1	0.0%
46.9%	4,658	4,661	3	0.1%
48.1%	4,631	4,643	12	0.3%
49.4%	4,548	4,563	15	0.3%
50.6%	4,532	4,541	10	0.2%
51.9%	4,406	4,418	12	0.3%
53.1%	4,367	4,368	1	0.0%
54.3%	4,324	4,325	1	0.0%
55.6%	4,289	4,294	5	0.1%
56.8%	4,203	4,196	-7	-0.2%
58.0%	4,195	4,154	-40	-1.0%
59.3%	4,177	4,150	-27	-0.7%
60.5%	4,169	4,006	-163	-3.9%
61.7%	3,875	3,880	5	0.1%
63.0%	3,867	3,847	-20	-0.5%
64.2%	3,838	3,748	-90	-2.4%
65.4%	3,731	3,665	-66	-1.8%
66.7%	3,610	3,522	-88	-2.4%
67.9%	3,521	3,520	-1	0.0%
69.1%	3,517	3,507	-9	-0.3%
70.4%	3,507	3,338	-169	-4.8%
71.6%	3,493	3,316	-176	-5.0%
72.8%	3,314	3,301	-13	-0.4%
74.1%	3,297	3,174	-123	-3.7%
75.3%	3,172	3,161	-11	-0.3%
76.5%	3,155	3,137	-17	-0.6%
77.8%	3,134	3,134	0	0.0%
79.0%	3,128	3,039	-89	-2.8%
80.2%	3,038	2,930	-108	-3.5%
81.5%	2,854	2,859	4	0.1%
82.7%	2,800	2,800	0	0.0%
84.0%	2,800	2,800	0	0.0%
85.2%	2,777	2,777	1	0.0%
86.4%	2,736	2,729	-7	-0.3%
87.7%	2,449	2,662	214	8.7%
88.9%	2,446	2,434	-12	-0.5%
90.1%	2,318	2,318	0	0.0%
91.4%	2,315	2,315	0	0.0%
92.6%	2,198	2,201	3	0.1%
93.8%	2,119	2,119	0	0.0%
95.1%	2,115	2,094	-21	-1.0%
96.3%	2,024	2,026	1	0.1%
97.5%	1,824	1,825	2	0.1%
98.8%	1,337	1,337	1	0.0%
100.0%	750	751	1	0.2%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	17,490	17,481	-9	-0.1%
1.2%	9,599	9,601	3	0.0%
2.5%	7,529	7,509	-20	-0.3%
3.7%	6,891	6,892	1	0.0%
4.9%	6,583	6,589	7	0.1%
6.2%	6,395	6,395	0	0.0%
7.4%	5,046	5,305	259	5.1%
8.6%	5,019	5,201	182	3.6%
9.9%	4,999	5,047	48	1.0%
11.1%	4,952	4,993	41	0.8%
12.3%	4,928	4,973	46	0.9%
13.6%	4,907	4,921	15	0.3%
14.8%	4,654	4,908	254	5.5%
16.0%	4,650	4,863	212	4.6%
17.3%	4,299	4,657	358	8.3%
18.5%	4,268	4,652	384	9.0%
19.8%	4,263	4,530	267	6.3%
21.0%	4,207	4,360	154	3.7%
22.2%	4,182	4,277	95	2.3%
23.5%	4,162	4,241	79	1.9%
24.7%	4,161	4,096	-65	-1.6%
25.9%	4,045	4,017	-28	-0.7%
27.2%	4,033	3,994	-39	-1.0%
28.4%	3,951	3,977	25	0.6%
29.6%	3,810	3,952	142	3.7%
30.9%	3,735	3,811	76	2.0%
32.1%	3,675	3,802	126	3.4%
33.3%	3,648	3,732	84	2.3%
34.6%	3,626	3,720	94	2.6%
35.8%	3,601	3,618	16	0.5%
37.0%	3,552	3,610	58	1.6%
38.3%	3,546	3,553	7	0.2%
39.5%	3,488	3,547	60	1.7%
40.7%	3,461	3,547	85	2.5%
42.0%	3,422	3,522	100	2.9%
43.2%	3,346	3,515	170	5.1%
44.4%	3,272	3,488	216	6.6%
45.7%	3,270	3,423	153	4.7%
46.9%	3,264	3,319	55	1.7%
48.1%	3,257	3,244	-13	-0.4%
49.4%	3,212	3,242	29	0.9%
50.6%	3,208	3,217	9	0.3%
51.9%	3,168	3,170	2	0.1%
53.1%	3,165	3,164	-1	0.0%
54.3%	3,162	3,151	-10	-0.3%
55.6%	3,112	3,113	1	0.0%
56.8%	3,085	3,089	4	0.1%
58.0%	3,026	3,019	-8	-0.3%
59.3%	2,800	3,016	216	7.7%
60.5%	2,800	2,941	141	5.0%
61.7%	2,800	2,800	0	0.0%
63.0%	2,800	2,800	0	0.0%
64.2%	2,772	2,800	28	1.0%
65.4%	2,730	2,800	70	2.6%
66.7%	2,698	2,772	74	2.8%
67.9%	2,686	2,731	45	1.7%
69.1%	2,682	2,702	20	0.8%
70.4%	2,636	2,698	63	2.4%
71.6%	2,614	2,636	22	0.8%
72.8%	2,590	2,593	3	0.1%
74.1%	2,571	2,574	3	0.1%
75.3%	2,557	2,561	4	0.2%
76.5%	2,512	2,515	3	0.1%
77.8%	2,485	2,429	-56	-2.3%
79.0%	2,484	2,415	-69	-2.8%
80.2%	2,428	2,327	-101	-4.2%
81.5%	2,354	2,298	-57	-2.4%
82.7%	2,339	2,275	-64	-2.7%
84.0%	2,298	2,198	-99	-4.3%
85.2%	2,271	2,067	-204	-9.0%
86.4%	2,221	2,063	-158	-7.1%
87.7%	2,191	2,034	-157	-7.2%
88.9%	2,015	1,982	-33	-1.6%
90.1%	1,980	1,964	-16	-0.8%
91.4%	1,964	1,950	-14	-0.7%
92.6%	1,929	1,872	-57	-3.0%
93.8%	1,871	1,865	-6	-0.3%
95.1%	1,797	1,801	4	0.2%
96.3%	1,417	1,377	-40	-2.8%
97.5%	1,249	1,250	1	0.1%
98.8%	1,000	1,000	0	0.0%
100.0%	435	437	2	0.4%

Table SW-23-b

Feather River at Mouth, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,756	8,109	353	4.5%
1.2%	7,679	7,246	-433	-5.6%
2.5%	7,119	7,114	-5	-0.1%
3.7%	7,106	6,704	-402	-5.7%
4.9%	7,004	6,213	-791	-11.3%
6.2%	6,976	6,163	-814	-11.7%
7.4%	6,838	6,038	-800	-11.7%
8.6%	6,214	5,719	-496	-8.0%
9.9%	6,143	5,440	-703	-11.4%
11.1%	6,138	5,390	-748	-12.2%
12.3%	5,984	5,357	-627	-10.5%
13.6%	5,929	5,323	-606	-10.2%
14.8%	5,890	5,222	-668	-11.3%
16.0%	5,770	5,197	-573	-9.9%
17.3%	5,763	5,053	-710	-12.3%
18.5%	5,612	4,913	-699	-12.5%
19.8%	5,484	4,878	-607	-11.1%
21.0%	5,336	4,838	-497	-9.3%
22.2%	5,298	4,799	-499	-9.4%
23.5%	5,236	4,797	-439	-8.4%
24.7%	5,222	4,578	-644	-12.3%
25.9%	5,195	4,526	-668	-12.9%
27.2%	5,183	4,491	-692	-13.4%
28.4%	4,992	4,473	-519	-10.4%
29.6%	4,976	4,406	-570	-11.5%
30.9%	4,970	4,360	-610	-12.3%
32.1%	4,760	4,312	-448	-9.4%
33.3%	4,623	4,300	-323	-7.0%
34.6%	4,509	4,294	-215	-4.8%
35.8%	4,468	4,205	-262	-5.9%
37.0%	4,454	4,190	-264	-5.9%
38.3%	4,431	4,173	-258	-5.8%
39.5%	4,406	4,134	-272	-6.2%
40.7%	4,325	4,116	-210	-4.8%
42.0%	4,143	4,094	-49	-1.2%
43.2%	4,058	4,073	15	0.4%
44.4%	4,050	3,956	-95	-2.3%
45.7%	4,049	3,730	-319	-7.9%
46.9%	4,042	3,522	-520	-12.9%
48.1%	3,993	3,353	-641	-16.0%
49.4%	3,987	3,349	-638	-16.0%
50.6%	3,936	3,336	-600	-15.2%
51.9%	3,908	3,246	-661	-16.9%
53.1%	3,899	3,210	-689	-17.7%
54.3%	3,867	3,151	-716	-18.5%
55.6%	3,863	3,124	-740	-19.1%
56.8%	3,756	3,109	-646	-17.2%
58.0%	3,753	3,100	-653	-17.4%
59.3%	3,706	3,006	-700	-18.9%
60.5%	3,545	2,962	-583	-16.4%
61.7%	3,432	2,877	-555	-16.2%
63.0%	3,403	2,812	-590	-17.3%
64.2%	3,355	2,800	-555	-16.5%
65.4%	3,329	2,753	-576	-17.3%
66.7%	3,312	2,667	-645	-19.5%
67.9%	3,216	2,625	-591	-18.4%
69.1%	3,188	2,555	-633	-19.9%
70.4%	3,113	2,518	-595	-19.1%
71.6%	2,999	2,479	-521	-17.4%
72.8%	2,941	2,406	-536	-18.2%
74.1%	2,873	2,384	-489	-17.0%
75.3%	2,800	2,379	-421	-15.0%
76.5%	2,778	2,373	-404	-14.6%
77.8%	2,757	2,329	-428	-15.5%
79.0%	2,718	2,284	-433	-15.9%
80.2%	2,583	2,215	-368	-14.2%
81.5%	2,563	2,206	-357	-13.9%
82.7%	2,514	2,127	-387	-15.4%
84.0%	2,509	2,086	-423	-16.9%
85.2%	2,410	2,004	-406	-16.8%
86.4%	2,355	1,919	-436	-18.5%
87.7%	2,279	1,917	-362	-15.9%
88.9%	1,995	1,834	-161	-8.1%
90.1%	1,923	1,823	-100	-5.2%
91.4%	1,812	1,781	-31	-1.7%
92.6%	1,725	1,690	-36	-2.1%
93.8%	1,707	1,479	-228	-13.4%
95.1%	1,700	1,314	-386	-22.7%
96.3%	1,575	1,133	-442	-28.1%
97.5%	1,524	1,040	-484	-31.7%
98.8%	1,391	1,000	-391	-28.1%
100.0%	750	800	50	6.7%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,828	11,016	188	1.7%
1.2%	10,687	10,588	-99	-0.9%
2.5%	10,589	10,545	-43	-0.4%
3.7%	10,544	10,273	-271	-2.6%
4.9%	10,294	9,807	-486	-4.7%
6.2%	10,283	9,775	-509	-4.9%
7.4%	10,054	9,512	-542	-5.4%
8.6%	9,832	9,439	-393	-4.0%
9.9%	9,827	9,307	-520	-5.3%
11.1%	9,803	9,294	-509	-5.2%
12.3%	9,761	9,204	-557	-5.7%
13.6%	9,759	9,191	-568	-5.8%
14.8%	9,720	9,136	-585	-6.0%
16.0%	9,648	9,101	-547	-5.7%
17.3%	9,641	9,100	-542	-5.6%
18.5%	9,605	8,967	-638	-6.6%
19.8%	9,592	8,955	-637	-6.6%
21.0%	9,557	8,889	-668	-7.0%
22.2%	9,538	8,787	-751	-7.9%
23.5%	9,505	8,769	-736	-7.7%
24.7%	9,477	8,742	-735	-7.8%
25.9%	9,433	8,638	-795	-8.4%
27.2%	9,320	8,622	-698	-7.5%
28.4%	9,306	8,587	-719	-7.7%
29.6%	9,215	8,562	-653	-7.1%
30.9%	9,193	8,481	-712	-7.7%
32.1%	9,182	8,478	-704	-7.7%
33.3%	9,114	8,474	-640	-7.0%
34.6%	9,071	8,454	-617	-6.8%
35.8%	9,005	8,382	-623	-6.9%
37.0%	9,002	8,375	-627	-7.0%
38.3%	8,913	8,315	-598	-6.7%
39.5%	8,899	8,299	-601	-6.8%
40.7%	8,869	8,231	-638	-7.2%
42.0%	8,828	8,222	-606	-6.9%
43.2%	8,817	8,029	-788	-8.9%
44.4%	8,703	7,909	-794	-9.1%
45.7%	8,690	7,908	-782	-9.0%
46.9%	8,593	7,862	-730	-8.5%
48.1%	8,555	7,813	-742	-8.7%
49.4%	8,454	7,802	-653	-7.7%
50.6%	8,392	7,541	-851	-10.1%
51.9%	8,247	7,500	-747	-9.1%
53.1%	8,243	7,439	-804	-9.7%
54.3%	8,186	7,386	-800	-9.8%
55.6%	8,055	7,379	-677	-8.4%
56.8%	8,030	7,338	-692	-8.6%
58.0%	8,022	7,249	-772	-9.6%
59.3%	7,974	7,136	-837	-10.5%
60.5%	7,651	7,049	-602	-7.9%
61.7%	7,508	6,730	-777	-10.4%
63.0%	7,475	6,639	-836	-11.2%
64.2%	7,375	6,396	-979	-13.3%
65.4%	7,368	6,290	-1,078	-14.6%
66.7%	7,341	5,591	-1,750	-23.8%
67.9%	7,008	5,502	-1,506	-21.5%
69.1%	6,676	5,300	-1,377	-20.6%
70.4%	6,646	5,208	-1,438	-21.6%
71.6%	6,606	5,085	-1,522	-23.0%
72.8%	6,381	5,081	-1,300	-20.4%
74.1%	6,216	4,929	-1,287	-20.7%
75.3%	5,384	4,916	-467	-8.7%
76.5%	4,804	4,812	8	0.2%
77.8%	4,464	4,767	303	6.8%
79.0%	4,319	4,743	424	9.8%
80.2%	4,004	4,477	473	11.8%
81.5%	3,426	3,680	254	7.4%
82.7%	3,067	3,664	597	19.5%
84.0%	2,796	3,387	592	21.2%
85.2%	2,568	2,776	208	8.1%
86.4%	2,524	2,776	252	10.0%
87.7%	2,409	2,656	247	10.3%
88.9%	2,399	2,311	-88	-3.7%
90.1%	2,244	2,266	21	1.0%
91.4%	2,134	2,018	-116	-5.5%
92.6%	1,829	1,895	66	3.6%
93.8%	1,593	1,885	292	18.3%
95.1%	1,379	1,549	170	12.3%
96.3%	1,328	1,399	71	5.3%
97.5%	1,057	1,274	217	20.5%
98.8%	1,031	1,118	87	8.4%
100.0%	1,000	1,012	12	1.2%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,396	9,117	-279	-3.0%
1.2%	9,167	8,833	-334	-3.6%
2.5%	9,020	8,816	-203	-2.3%
3.7%	8,896	8,631	-265	-3.0%
4.9%	8,756	8,603	-153	-1.7%
6.2%	8,745	8,536	-209	-2.4%
7.4%	8,722	8,468	-254	-2.9%
8.6%	8,685	8,365	-320	-3.7%
9.9%	8,669	8,364	-305	-3.5%
11.1%	8,668	8,363	-305	-3.5%
12.3%	8,632	8,322	-310	-3.6%
13.6%	8,631	8,149	-482	-5.6%
14.8%	8,558	8,141	-417	-4.9%
16.0%	8,508	8,139	-369	-4.3%
17.3%	8,446	8,094	-352	-4.2%
18.5%	8,443	8,085	-357	-4.2%
19.8%	8,366	8,085	-281	-3.4%
21.0%	8,319	7,983	-336	-4.0%
22.2%	8,296	7,901	-396	-4.8%
23.5%	8,265	7,839	-426	-5.2%
24.7%	8,257	7,812	-445	-5.4%
25.9%	8,240	7,705	-535	-6.5%
27.2%	8,166	7,633	-533	-6.5%
28.4%	8,117	7,613	-504	-6.2%
29.6%	8,098	7,500	-598	-7.4%
30.9%	8,016	7,487	-529	-6.6%
32.1%	7,992	7,287	-704	-8.8%
33.3%	7,985	7,244	-741	-9.3%
34.6%	7,970	7,188	-782	-9.8%
35.8%	7,877	7,005	-872	-11.1%
37.0%	7,864	7,004	-860	-10.9%
38.3%	7,644	6,957	-687	-9.0%
39.5%	7,498	6,819	-679	-9.1%
40.7%	7,472	6,691	-781	-10.5%
42.0%	7,289	6,648	-640	-8.8%
43.2%	7,256	6,630	-626	-8.6%
44.4%	7,186	6,565	-621	-8.6%
45.7%	7,151	6,523	-627	-8.8%
46.9%	7,089	6,426	-664	-9.4%
48.1%	6,628	6,401	-227	-3.4%
49.4%	6,315	6,307	-9	-0.1%
50.6%	6,012	6,107	95	1.6%
51.9%	5,624	6,031	407	7.2%
53.1%	5,550	5,990	441	7.9%
54.3%	5,481	5,724	243	4.4%
55.6%	5,293	5,406	113	2.1%
56.8%	5,217	5,402	185	3.5%
58.0%	4,919	5,271	352	7.2%
59.3%	4,650	5,177	527	11.3%
60.5%	4,586	5,067	481	10.5%
61.7%	4,344	4,657	314	7.2%
63.0%	4,164	4,486	322	7.7%
64.2%	4,067	4,350	283	6.9%
65.4%	4,056	4,025	-32	-0.8%
66.7%	4,029	3,938	-91	-2.3%
67.9%	3,809	3,793	-17	-0.4%
69.1%	3,645	3,693	48	1.3%
70.4%	3,472	3,671	200	5.8%
71.6%	3,457	3,632	175	5.1%
72.8%	3,302	3,572	271	8.2%
74.1%	3,297	3,503	206	6.3%
75.3%	3,207	3,485	278	8.7%
76.5%	2,993	3,389	397	13.3%
77.8%	2,968	3,062	95	3.2%
79.0%	2,883	3,062	179	6.2%
80.2%	2,859	2,865	6	0.2%
81.5%	2,631	2,688	57	2.2%
82.7%	2,607	2,687	80	3.1%
84.0%	2,573	2,466	-107	-4.2%
85.2%	2,491	1,998	-493	-19.8%
86.4%	2,376	1,877	-499	-21.0%
87.7%	2,241	1,864	-377	-16.8%
88.9%	2,119	1,805	-313	-14.8%
90.1%	2,070	1,742	-328	-15.8%
91.4%	2,038	1,637	-401	-19.7%
92.6%	1,637	1,515	-122	-7.5%
93.8%	1,633	1,492	-141	-8.6%
95.1%	1,557	1,440	-117	-7.5%
96.3%	1,228	1,241	12	1.0%
97.5%	1,162	1,054	-107	-9.2%
98.8%	750	891	141	18.8%
100.0%	750	882	132	17.6%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	12,794	12,794	0	0.0%
1.2%	12,293	11,994	-299	-2.4%
2.5%	12,027	11,671	-357	-3.0%
3.7%	11,917	11,622	-295	-2.5%
4.9%	11,813	11,583	-230	-1.9%
6.2%	11,767	11,577	-190	-1.6%
7.4%	11,671	11,443	-228	-2.0%
8.6%	11,584	11,379	-205	-1.8%
9.9%	11,535	11,254	-282	-2.4%
11.1%	11,473	11,235	-238	-2.1%
12.3%	11,363	11,232	-131	-1.2%
13.6%	10,842	11,030	188	1.7%
14.8%	10,769	11,006	236	2.2%
16.0%	10,326	10,568	242	2.3%
17.3%	10,223	10,383	160	1.6%
18.5%	10,216	10,321	105	1.0%
19.8%	10,194	10,188	-6	-0.1%
21.0%	10,179	10,144	-35	-0.3%
22.2%	10,156	10,085	-71	-0.7%
23.5%	10,123	9,922	-201	-2.0%
24.7%	9,994	9,626	-368	-3.7%
25.9%	9,908	9,371	-537	-5.4%
27.2%	9,572	9,295	-278	-2.9%
28.4%	9,567	9,215	-352	-3.7%
29.6%	9,526	9,209	-317	-3.3%
30.9%	9,485	9,055	-430	-4.5%
32.1%	9,416	8,811	-605	-6.4%
33.3%	9,060	8,791	-269	-3.0%
34.6%	9,019	8,598	-421	-4.7%
35.8%	8,579	8,308	-271	-3.2%
37.0%	7,790	7,735	-54	-0.7%
38.3%	7,494	7,717	223	3.0%
39.5%	7,097	7,152	55	0.8%
40.7%	7,057	7,062	4	0.1%
42.0%	6,963	6,830	-133	-1.9%
43.2%	6,871	6,705	-166	-2.4%
44.4%	6,777	6,699	-78	-1.2%
45.7%	6,762	6,672	-90	-1.3%
46.9%	6,563	6,581	18	0.3%
48.1%	6,481	6,447	-34	-0.5%
49.4%	6,177	6,200	23	0.4%
50.6%	6,110	6,161	51	0.8%
51.9%	6,086	6,050	-36	-0.6%
53.1%	5,988	6,004	16	0.3%
54.3%	5,610	5,673	63	1.1%
55.6%	5,372	5,650	278	5.2%
56.8%	5,319	5,635	316	5.9%
58.0%	5,231	5,583	352	6.7%
59.3%	5,080	4,807	-273	-5.4%
60.5%	5,052	4,685	-366	-7.3%
61.7%	4,976	4,632	-344	-6.9%
63.0%	4,879	4,604	-274	-5.6%
64.2%	4,764	4,480	-285	-6.0%
65.4%	4,214	4,467	253	6.0%
66.7%	4,145	4,187	42	1.0%
67.9%	3,894	4,166	272	7.0%
69.1%	3,751	4,114	363	9.7%
70.4%	3,137	3,828	691	22.0%
71.6%	3,035	3,620	585	19.3%
72.8%	2,916	3,510	595	20.4%
74.1%	2,843	3,349	506	17.8%
75.3%	2,839	3,332	493	17.4%
76.5%	2,769	3,276	507	18.3%
77.8%	2,765	3,259	494	17.8%
79.0%	2,714	3,095	381	14.0%
80.2%	2,646	3,056	409	15.5%
81.5%	2,571	3,041	470	18.3%
82.7%	2,571	2,923	352	13.7%
84.0%	2,567	2,919	352	13.7%
85.2%	2,563	2,904	341	13.3%
86.4%	2,559	2,871	312	12.2%
87.7%	2,558	2,822	264	10.3%
88.9%	2,514	2,698	184	7.3%
90.1%	2,467	2,573	107	4.3%
91.4%	2,429	2,569	140	5.8%
92.6%	2,192	2,302	109	5.0%
93.8%	2,119	2,192	73	3.5%
95.1%	1,898	1,904	6	0.3%
96.3%	1,661	1,735	73	4.4%
97.5%	1,511	1,507	-4	-0.3%
98.8%	1,256	1,256	0	0.0%
100.0%	971	971	0	0.0%

Figure SW-24-b
Folsom Lake, End of Month Storage
Probability of Exceedance

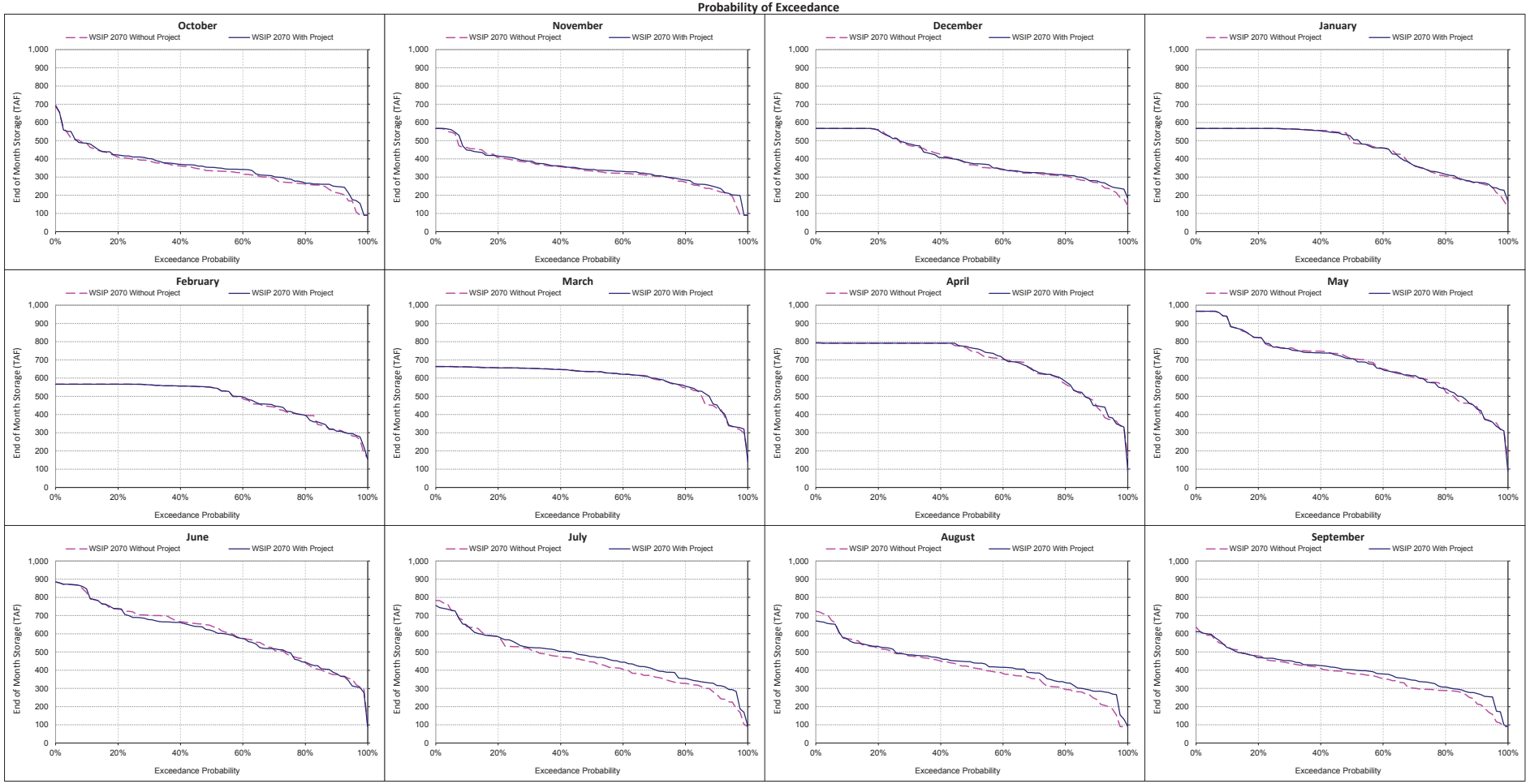


Table SW-24-b

Folsom Lake, End of Month Storage

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	695	688	-7	-1.0%
1.2%	657	654	-3	-0.5%
2.5%	572	559	-13	-2.3%
3.7%	545	552	7	1.4%
4.9%	514	549	35	6.8%
6.2%	506	509	4	0.7%
7.4%	503	490	-14	-2.7%
8.6%	489	487	-2	-0.4%
9.9%	486	486	-1	-0.1%
11.1%	462	482	20	4.3%
12.3%	457	467	10	2.2%
13.6%	446	452	6	1.3%
14.8%	441	440	-1	-0.3%
16.0%	437	439	3	0.6%
17.3%	427	438	11	2.6%
18.5%	422	424	2	0.4%
19.8%	410	422	11	2.7%
21.0%	406	418	12	3.0%
22.2%	405	416	11	2.7%
23.5%	403	415	12	3.0%
24.7%	399	411	12	3.1%
25.9%	398	410	12	3.0%
27.2%	393	410	16	4.1%
28.4%	392	408	16	4.0%
29.6%	391	402	11	2.9%
30.9%	384	400	16	4.1%
32.1%	378	390	12	3.1%
33.3%	377	386	10	2.5%
34.6%	375	379	3	0.9%
35.8%	374	377	3	0.8%
37.0%	367	377	10	2.6%
38.3%	364	374	9	2.6%
39.5%	362	370	8	2.3%
40.7%	360	369	9	2.6%
42.0%	358	367	9	2.6%
43.2%	357	367	10	2.9%
44.4%	350	366	16	4.5%
45.7%	345	361	15	4.4%
46.9%	345	361	15	4.4%
48.1%	336	355	19	5.6%
49.4%	335	353	18	5.4%
50.6%	333	353	19	5.8%
51.9%	333	350	16	4.9%
53.1%	332	349	17	5.2%
54.3%	332	344	12	3.8%
55.6%	331	343	12	3.7%
56.8%	328	343	15	4.5%
58.0%	325	343	18	5.5%
59.3%	324	342	18	5.6%
60.5%	315	342	27	8.6%
61.7%	315	340	25	8.0%
63.0%	311	336	25	7.9%
64.2%	311	318	7	2.1%
65.4%	303	311	9	2.9%
66.7%	300	310	10	3.4%
67.9%	300	308	8	2.8%
69.1%	297	307	11	3.6%
70.4%	288	301	12	4.3%
71.6%	273	299	25	9.3%
72.8%	272	298	25	9.2%
74.1%	271	291	20	7.5%
75.3%	269	289	20	7.3%
76.5%	268	278	10	3.7%
77.8%	266	277	12	4.5%
79.0%	264	274	9	3.5%
80.2%	261	266	5	2.0%
81.5%	259	266	7	2.8%
82.7%	257	262	5	2.1%
84.0%	256	261	5	2.0%
85.2%	256	261	5	2.0%
86.4%	247	260	13	5.4%
87.7%	232	260	28	12.1%
88.9%	218	250	32	14.8%
90.1%	214	248	34	16.0%
91.4%	209	246	36	17.4%
92.6%	201	243	42	20.6%
93.8%	170	213	44	25.9%
95.1%	168	176	7	4.4%
96.3%	109	171	62	57.2%
97.5%	90	155	65	72.6%
98.8%	90	90	0	0.0%
100.0%	90	90	0	0.0%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	567	567	0	0.0%
1.2%	567	567	0	0.0%
2.5%	565	567	2	0.4%
3.7%	550	565	15	2.7%
4.9%	546	560	14	2.6%
6.2%	539	546	7	1.4%
7.4%	472	528	56	11.9%
8.6%	463	472	9	1.9%
9.9%	463	449	-14	-3.0%
11.1%	456	446	-10	-2.1%
12.3%	455	440	-15	-3.3%
13.6%	452	437	-15	-3.4%
14.8%	449	435	-14	-3.1%
16.0%	430	421	-10	-2.3%
17.3%	426	419	-7	-1.5%
18.5%	425	418	-7	-1.6%
19.8%	407	416	8	2.1%
21.0%	405	413	8	1.9%
22.2%	402	412	10	2.6%
23.5%	398	409	11	2.7%
24.7%	394	406	12	3.1%
25.9%	391	400	9	2.3%
27.2%	386	393	7	1.7%
28.4%	384	390	6	1.6%
29.6%	382	388	6	1.5%
30.9%	379	388	8	2.2%
32.1%	371	376	5	1.5%
33.3%	369	374	6	1.6%
34.6%	367	374	7	1.9%
35.8%	362	369	7	1.9%
37.0%	361	363	3	0.7%
38.3%	358	362	5	1.3%
39.5%	358	361	4	1.1%
40.7%	356	359	3	1.0%
42.0%	352	355	3	0.9%
43.2%	350	354	3	0.9%
44.4%	347	354	6	1.8%
45.7%	345	348	3	0.9%
46.9%	337	345	8	2.3%
48.1%	335	343	7	2.2%
49.4%	334	342	8	2.4%
50.6%	332	341	9	2.8%
51.9%	331	338	7	2.2%
53.1%	328	337	9	2.9%
54.3%	324	336	12	3.8%
55.6%	323	335	13	3.9%
56.8%	322	334	12	3.8%
58.0%	321	332	11	3.3%
59.3%	320	332	11	3.5%
60.5%	320	330	11	3.3%
61.7%	319	329	10	3.1%
63.0%	317	329	12	3.6%
64.2%	316	328	12	3.8%
65.4%	315	322	7	2.1%
66.7%	313	321	9	2.8%
67.9%	310	317	7	2.3%
69.1%	308	317	8	2.8%
70.4%	305	307	2	0.7%
71.6%	303	307	3	1.1%
72.8%	303	305	2	0.7%
74.1%	300	299	-1	-0.3%
75.3%	295	298	3	0.9%
76.5%	286	295	9	3.1%
77.8%	277	290	13	4.5%
79.0%	277	286	9	3.2%
80.2%	271	283	12	4.4%
81.5%	264	280	16	6.2%
82.7%	256	265	10	3.8%
84.0%	255	260	5	2.1%
85.2%	248	260	12	4.9%
86.4%	238	259	21	8.7%
87.7%	237	255	17	7.2%
88.9%	232	249	17	7.4%
90.1%	225	243	18	8.1%
91.4%	218	236	19	8.6%
92.6%	214	215	1	0.7%
93.8%	206	210	4	1.8%
95.1%	194	203	8	4.3%
96.3%	141	201	60	42.9%
97.5%	91	199	109	120.1%
98.8%	90	91	1	0.6%
100.0%	90	90	0	0.0%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	567	567	0	0.0%
1.2%	567	567	0	0.0%
2.5%	567	567	0	0.0%
3.7%	567	567	0	0.0%
4.9%	567	567	0	0.0%
6.2%	567	567	0	0.0%
7.4%	567	567	0	0.0%
8.6%	567	567	0	0.0%
9.9%	567	567	0	0.0%
11.1%	567	567	0	0.0%
12.3%	567	567	0	0.0%
13.6%	567	567	0	0.0%
14.8%	567	567	0	0.0%
16.0%	567	567	0	0.0%
17.3%	567	567	0	0.0%
18.5%	565	565	0	0.0%
19.8%	560	560	0	0.1%
21.0%	558	545	-13	-2.4%
22.2%	537	533	-4	-0.7%
23.5%	524	524	0	0.0%
24.7%	520	512	-8	-1.5%
25.9%	512	512	0	-0.1%
27.2%	488	496	8	1.7%
28.4%	488	490	2	0.4%
29.6%	474	482	8	1.7%
30.9%	470	479	9	1.9%
32.1%	469	473	4	0.8%
33.3%	461	471	10	2.1%
34.6%	457	437	-20	-4.3%
35.8%	444	433	-11	-2.4%
37.0%	440	428	-12	-2.8%
38.3%	433	421	-12	-2.7%
39.5%	428	407	-21	-4.9%
40.7%	414	406	-8	-1.8%
42.0%	411	406	-5	-1.2%
43.2%	406	402	-4	-1.0%
44.4%	399	398	-1	-0.3%
45.7%	394	395	1	0.4%
46.9%	390	386	-4	-1.1%
48.1%	373	382	9	2.4%
49.4%	367	377	10	2.8%
50.6%	367	374	7	1.9%
51.9%	363	373	9	2.5%
53.1%	352	372	20	5.6%
54.3%	352	371	19	5.3%
55.6%	350	367	17	4.9%
56.8%	350	350	0	0.0%
58.0%	349	348	-1	-0.3%
59.3%	345	342	-4	-1.1%
60.5%	340	340	-1	-0.2%
61.7%	338	335	-3	-0.8%
63.0%	334	335	1	0.2%
64.2%	330	334	4	1.3%
65.4%	325	331	6	1.8%
66.7%	322	326	5	1.4%
67.9%	321	326	4	1.3%
69.1%	321	325	4	1.3%
70.4%	321	324	3	1.0%
71.6%	319	323	4	1.2%
72.8%	314	323	9	2.7%
74.1%	312	318	6	2.0%
75.3%	311	318	7	2.3%
76.5%	311	315	4	1.4%
77.8%	308	314	6	1.9%
79.0%	306	313	6	2.1%
80.2%	306	310	4	1.3%
81.5%	299	308	9	2.9%
82.7%	292	307	15	5.1%
84.0%	288	300	12	4.1%
85.2%	283	299	16	5.6%
86.4%	281	291	10	3.7%
87.7%	280	281	0	0.1%
88.9%	272	280	9	3.3%
90.1%	270	279	9	3.4%
91.4%	257	270	13	5.0%
92.6%	240	267	27	11.3%
93.8%	237	255	18	7.5%
95.1%	227	245	18	8.0%
96.3%	214	241	27	12.4%
97.5%	187	237	50	26.9%
98.8%	178	234	56	31.1%
100.0%	143	182	39	27.3%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	567	567	0	0.0%
1.2%	567	567	0	0.0%
2.5%	567	567	0	0.0%
3.7%	567	567	0	0.0%
4.9%	567	567	0	0.0%
6.2%	567	567	0	0.0%
7.4%	567	567	0	0.0%
8.6%	567	567	0	0.0%
9.9%	567	567	0	0.0%
11.1%	567	567	0	0.0%
12.3%	567	567	0	0.0%
13.6%	567	567	0	0.0%
14.8%	567	567	0	0.0%
16.0%	567	567	0	0.0%
17.3%	567	567	0	0.0%
18.5%	567	567	0	0.0%
19.8%	567	567	0	0.0%
21.0%	567	567	0	0.0%
22.2%	567	567	0	0.0%
23.5%	567	567	0	0.0%
24.7%	567	567	0	0.0%
25.9%	567	567	0	0.0%
27.2%	566	566	0	0.0%
28.4%	565	565	0	0.0%
29.6%	564	564	0	0.0%
30.9%	564	564	0	0.0%
32.1%	564	563	-1	-0.2%
33.3%	563	562	-1	-0.2%
34.6%	562	560	-2	-0.4%
35.8%	560	559	-1	-0.2%
37.0%	559	557	-2	-0.4%
38.3%	557	556	-1	-0.2%
39.5%	556	556	0	0.0%
40.7%	556	551	-5	-0.9%
42.0%	555	550	-5	-0.9%
43.2%	551	546	-5	-0.9%
44.4%	549	544	-5	-0.9%
45.7%	546	543	-3	-0.5%
46.9%	544	534	-10	-1.8%
48.1%	543	533	-10	-1.8%
49.4%	505	527	22	4.4%
50.6%	486	505	19	3.8%
51.9%	483	504	21	4.4%
53.1%	482	481	-1	-0.2%
54.3%	481	480	-1	-0.3%
55.6%	477	470	-7	-1.5%
56.8%	467	462	-5	-1.1%
58.0%	464	461	-3	-0.6%
59.3%	460	460	0	0.0%
60.5%	459	459	0	0.0%
61.7%	453	453	0	0.0%
63.0%	446	427	-19	-4.3%
64.2%	427	425	-2	-0.5%
65.4%	425	405	-20	-4.6%
66.7%	411	391	-20	-4.9%
67.9%	384	384	0	0.0%
69.1%	370	370	0	0.0%
70.4%	361	359	-2	-0.6%
71.6%	352	355	3	0.7%
72.8%	346	348	2	0.6%
74.1%	342	338	-4	-1.1%
75.3%	328	332	4	1.3%
76.5%	322	330	8	2.5%
77.8%	311	326	15	4.8%
79.0%	309	321	11	3.7%
80.2%	304	315	11	3.7%
81.5%	304	310	6	2.0%
82.7%	294	307	13	4.4%
84.0%	293	294	1	0.5%
85.2%	283	289	6	2.1%
86.4%	279	282	3	0.9%
87.7%	277	279	2	0.8%
88.9%	270	272	3	0.9%
90.1%	266	271	5	2.0%
91.4%	265	269	4	1.3%
92.6%	258	267	9	3.3%
93.8%	255	260	6	2.2%
95.1%	245	241	-3	-1.4%
96.3%	215	240	26	12.0%
97.5%	202	231	29	14.4%
98.8%	167	227	60	35.8%
100.0%	135	169	35	25.7%

Table SW-24-b

Folsom Lake, End of Month Storage
Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	567	567	0	0.0%
1.2%	567	567	0	0.0%
2.5%	567	567	0	0.0%
3.7%	567	567	0	0.0%
4.9%	567	567	0	0.0%
6.2%	567	567	0	0.0%
7.4%	567	567	0	0.0%
8.6%	567	567	0	0.0%
9.9%	567	567	0	0.0%
11.1%	567	567	0	0.0%
12.3%	567	567	0	0.0%
13.6%	567	567	0	0.0%
14.8%	567	567	0	0.0%
16.0%	567	567	0	0.0%
17.3%	567	567	0	0.0%
18.5%	567	567	0	0.0%
19.8%	567	567	0	0.0%
21.0%	567	567	0	0.0%
22.2%	567	567	0	0.0%
23.5%	567	567	0	0.0%
24.7%	566	566	0	0.0%
25.9%	566	566	0	0.0%
27.2%	566	566	0	0.0%
28.4%	565	565	0	0.0%
29.6%	563	563	0	0.0%
30.9%	562	562	0	0.0%
32.1%	560	560	0	0.0%
33.3%	560	560	0	0.0%
34.6%	558	558	0	0.0%
35.8%	558	558	0	0.0%
37.0%	558	558	0	0.0%
38.3%	558	558	0	0.0%
39.5%	557	557	0	0.0%
40.7%	557	557	0	0.0%
42.0%	556	556	0	0.0%
43.2%	555	555	0	0.0%
44.4%	555	555	0	0.0%
45.7%	553	553	0	0.0%
46.9%	553	553	0	0.0%
48.1%	552	552	0	0.0%
49.4%	551	551	0	0.0%
50.6%	547	547	0	0.0%
51.9%	543	543	0	0.0%
53.1%	530	530	0	0.0%
54.3%	529	529	0	0.0%
55.6%	527	527	0	0.0%
56.8%	499	501	2	0.3%
58.0%	499	499	0	0.0%
59.3%	494	499	5	1.0%
60.5%	483	494	11	2.3%
61.7%	479	482	3	0.7%
63.0%	458	479	21	4.5%
64.2%	458	467	9	2.0%
65.4%	457	458	1	0.2%
66.7%	446	458	12	2.7%
67.9%	446	457	11	2.5%
69.1%	443	455	12	2.7%
70.4%	440	446	6	1.4%
71.6%	427	443	16	3.7%
72.8%	423	440	17	4.1%
74.1%	413	418	5	1.2%
75.3%	408	416	9	2.1%
76.5%	407	407	0	0.0%
77.8%	402	402	0	0.0%
79.0%	400	399	-1	-0.3%
80.2%	395	394	-1	-0.2%
81.5%	394	369	-25	-6.5%
82.7%	394	360	-34	-8.6%
84.0%	345	360	15	4.2%
85.2%	342	353	11	3.2%
86.4%	340	346	6	1.7%
87.7%	319	321	3	0.9%
88.9%	318	320	2	0.7%
90.1%	314	308	-6	-1.8%
91.4%	313	308	-5	-1.7%
92.6%	302	301	0	-0.1%
93.8%	297	296	-1	-0.4%
95.1%	283	295	13	4.5%
96.3%	279	286	6	2.2%
97.5%	261	277	16	6.3%
98.8%	188	221	33	17.6%
100.0%	161	155	-6	-3.4%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	664	664	0	0.0%
1.2%	664	664	0	0.0%
2.5%	664	664	0	0.0%
3.7%	664	664	0	0.0%
4.9%	664	663	-1	-0.2%
6.2%	663	662	-1	-0.2%
7.4%	662	662	0	0.0%
8.6%	662	662	0	0.0%
9.9%	662	662	0	0.0%
11.1%	662	661	-1	-0.2%
12.3%	661	661	0	0.0%
13.6%	661	659	-2	-0.3%
14.8%	659	658	-1	-0.2%
16.0%	658	658	0	0.0%
17.3%	658	657	-1	-0.2%
18.5%	657	657	0	0.0%
19.8%	657	656	-1	-0.1%
21.0%	656	656	0	0.0%
22.2%	656	656	0	0.0%
23.5%	656	656	0	0.0%
24.7%	656	656	0	0.0%
25.9%	656	656	0	0.0%
27.2%	655	655	0	0.0%
28.4%	655	655	0	0.0%
29.6%	654	654	0	0.0%
30.9%	654	654	0	0.0%
32.1%	654	652	-2	-0.3%
33.3%	652	652	0	0.0%
34.6%	652	651	-1	-0.2%
35.8%	651	650	-1	-0.2%
37.0%	650	649	-1	-0.2%
38.3%	649	648	-1	-0.2%
39.5%	648	647	-1	-0.2%
40.7%	647	646	-1	-0.2%
42.0%	646	646	0	0.0%
43.2%	646	642	-4	-0.6%
44.4%	642	640	-2	-0.3%
45.7%	640	637	-3	-0.5%
46.9%	637	637	0	0.0%
48.1%	637	637	0	0.0%
49.4%	636	636	0	0.1%
50.6%	636	636	0	0.1%
51.9%	635	635	0	0.0%
53.1%	635	635	0	0.0%
54.3%	629	629	0	0.0%
55.6%	628	628	0	0.0%
56.8%	626	626	0	0.0%
58.0%	625	625	0	0.0%
59.3%	622	622	0	0.0%
60.5%	621	621	0	0.0%
61.7%	621	621	0	0.0%
63.0%	618	618	0	0.0%
64.2%	616	616	0	0.0%
65.4%	615	615	0	0.0%
66.7%	615	611	-4	-0.6%
67.9%	611	610	-1	-0.2%
69.1%	599	600	1	0.2%
70.4%	593	599	6	1.0%
71.6%	590	593	3	0.5%
72.8%	589	590	1	0.2%
74.1%	581	581	0	0.0%
75.3%	571	574	2	0.4%
76.5%	565	569	4	0.7%
77.8%	565	565	0	0.0%
79.0%	551	562	11	2.1%
80.2%	545	555	10	1.8%
81.5%	542	549	6	1.2%
82.7%	532	544	13	2.4%
84.0%	530	529	0	-0.1%
85.2%	501	528	27	5.5%
86.4%	453	513	60	13.1%
87.7%	453	501	48	10.6%
88.9%	449	458	9	1.9%
90.1%	434	453	19	4.4%
91.4%	429	420	-9	-2.2%
92.6%	389	402	13	3.3%
93.8%	338	342	4	1.1%
95.1%	334	336	2	0.7%
96.3%	326	331	5	1.4%
97.5%	316	328	11	3.6%
98.8%	298	319	21	7.0%
100.0%	183	141	-42	-23.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	794	794	0	0.0%
1.2%	794	794	0	0.0%
2.5%	792	792	0	0.0%
3.7%	792	792	0	0.0%
4.9%	792	792	0	0.0%
6.2%	792	792	0	0.0%
7.4%	792	792	0	0.0%
8.6%	792	792	0	0.0%
9.9%	792	792	0	0.0%
11.1%	792	792	0	0.0%
12.3%	792	792	0	0.0%
13.6%	792	792	0	0.0%
14.8%	792	792	0	0.0%
16.0%	792	792	0	0.0%
17.3%	792	792	0	0.0%
18.5%	792	792	0	0.0%
19.8%	792	792	0	0.0%
21.0%	792	792	0	0.0%
22.2%	792	792	0	0.0%
23.5%	792	792	0	0.0%
24.7%	792	792	0	0.0%
25.9%	792	792	0	0.0%
27.2%	792	792	0	0.0%
28.4%	792	792	0	0.0%
29.6%	792	792	0	0.0%
30.9%	792	792	0	0.0%
32.1%	792	792	0	0.0%
33.3%	792	792	0	0.0%
34.6%	792	792	0	0.0%
35.8%	792	792	0	0.0%
37.0%	792	792	0	0.0%
38.3%	792	792	0	0.0%
39.5%	792	792	0	0.0%
40.7%	792	792	0	0.0%
42.0%	792	792	0	0.0%
43.2%	792	792	0	0.0%
44.4%	779	792	13	1.6%
45.7%	777	779	3	0.3%
46.9%	769	777	7	1.0%
48.1%	768	775	7	0.9%
49.4%	753	767	14	1.9%
50.6%	742	764	22	2.9%
51.9%	742	761	19	2.5%
53.1%	727	753	26	3.5%
54.3%	715	741	26	3.6%
55.6%	715	738	24	3.3%
56.8%	711	736	26	3.6%
58.0%	709	724	15	2.1%
59.3%	702	719	17	2.4%
60.5%	702	702	0	0.1%
61.7%	698	690	-8	-1.1%
63.0%	692	690	-2	-0.3%
64.2%	690	687	-3	-0.4%
65.4%	690	682	-7	-1.1%
66.7%	686	672	-14	-2.0%
67.9%	660	665	5	0.8%
69.1%	654	648	-6	-1.0%
70.4%	627	641	13	2.1%
71.6%	623	629	6	1.0%
72.8%	621	625	3	0.5%
74.1%	619	621	2	0.3%
75.3%	616	620	4	0.7%
76.5%	612	609	-3	-0.5%
77.8%	601	607	5	0.9%
79.0%	578	593	16	2.7%
80.2%	564	578	14	2.5%
81.5%	553	564	10	1.9%
82.7%	534	532	-2	-0.4%
84.0%	522	524	2	0.4%
85.2%	514	522	9	1.7%
86.4%	497	497	0	0.0%
87.7%	487	490	3	0.5%
88.9%	479	449	-30	-6.2%
90.1%	441	448	7	1.5%
91.4%	419	444	25	5.9%
92.6%	383	440	57	14.8%
93.8%	373	386	13	3.4%
95.1%	373	381	8	2.2%
96.3%	363	348	-15	-4.1%
97.5%	339	342	3	0.9%
98.8%	323	331	8	2.4%
100.0%	164	90	-74	-45.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	967	967	0	0.0%
1.2%	967	967	0	0.0%
2.5%	967	967	0	0.0%
3.7%	967	967	0	0.0%
4.9%	967	967	0	0.0%
6.2%	967	967	0	0.0%
7.4%	960	960	0	0.0%
8.6%	942	942	-1	-0.1%
9.9%	940	940	0	0.0%
11.1%	883	883	0	0.0%
12.3%	878	878	0	0.0%
13.6%	872	872	0	0.0%
14.8%	859	866	7	0.9%
16.0%	853	853	-1	-0.1%
17.3%	840	839	-1	-0.1%
18.5%	824	824	0	0.0%
19.8%	824	824	0	0.0%
21.0%	821	821	0	0.0%
22.2%	788	792	4	0.5%
23.5%	779	788	10	1.3%
24.7%	775	770	-5	-0.6%
25.9%	772	770	-1	-0.2%
27.2%	766	765	-1	-0.1%
28.4%	766	763	-3	-0.3%
29.6%	765	762	-3	-0.4%
30.9%	765	754	-12	-1.5%
32.1%	755	750	-4	-0.6%
33.3%	751	749	-2	-0.3%
34.6%	751	742	-9	-1.2%
35.8%	749	741	-8	-1.1%
37.0%	748	740	-8	-1.1%
38.3%	748	739	-9	-1.3%
39.5%	748	738	-10	-1.3%
40.7%	747	738	-9	-1.2%
42.0%	744	738	-7	-0.9%
43.2%	736	737	1	0.1%
44.4%	736	729	-6	-0.9%
45.7%	734	725	-9	-1.3%
46.9%	729	717	-12	-1.7%
48.1%	719	709	-9	-1.3%
49.4%	709	707	-2	-0.3%
50.6%	707	707	0	0.0%
51.9%	703	689	-14	-2.0%
53.1%	702	689	-13	-1.8%
54.3%	701	688	-13	-1.8%
55.6%	688	678	-10	-1.5%
56.8%	686	676	-10	-1.4%
58.0%	664	655	-9	-1.4%
59.3%	653	652	0	0.0%
60.5%	649	642	-7	-1.1%
61.7%	642	639	-3	-0.5%
63.0%	635	634	-1	-0.2%
64.2%	626	633	7	1.1%
65.4%	624	628	4	0.7%
66.7%	618	618	0	0.0%
67.9%	612	617	5	0.9%
69.1%	608	614	6	1.0%
70.4%	603	613	10	1.6%
71.6%	599	601	2	0.3%
72.8%	596	598	2	0.4%
74.1%	593	578	-15	-2.5%
75.3%	577	575	-3	-0.4%
76.5%	577	574	-3	-0.5%
77.8%	575	551	-24	-4.1%
79.0%	555	544	-11	-2.0%
80.2%	520	540	20	3.9%
81.5%	514	526	12	2.4%
82.7%	499	519	20	4.0%
84.0%	477	501	23	4.9%
85.2%	463	499	36	7.8%
86.4%	462	484	22	4.7%
87.7%	461	461	0	0.0%
88.9%	458	452	-6	-1.4%
90.1%	441	430	-11	-2.6%
91.4%	401	422	21	5.3%
92.6%	376	372	-4	-1.0%
93.8%	369	367	-2	-0.5%
95.1%	360	358	-2	-0.6%
96.3%	354	335	-20	-5.5%
97.5%	318	321	3	0.9%
98.8%	302	310	8	2.6%
100.0%	161	90	-71	-44.1%

Table SW-24-b

Folsom Lake, End of Month Storage
Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	885	885	0	0.0%
1.2%	880	880	0	0.0%
2.5%	872	872	0	0.0%
3.7%	872	872	0	0.0%
4.9%	870	871	1	0.1%
6.2%	868	870	2	0.2%
7.4%	867	867	0	0.0%
8.6%	848	860	12	1.5%
9.9%	826	847	20	2.4%
11.1%	792	792	0	0.0%
12.3%	788	788	0	0.0%
13.6%	782	782	0	0.0%
14.8%	765	764	-1	-0.2%
16.0%	763	761	-1	-0.2%
17.3%	743	751	8	1.1%
18.5%	738	739	1	0.2%
19.8%	736	738	1	0.2%
21.0%	734	736	2	0.3%
22.2%	724	705	-19	-2.6%
23.5%	723	700	-23	-3.2%
24.7%	721	690	-31	-4.3%
25.9%	707	689	-18	-2.5%
27.2%	704	688	-16	-2.2%
28.4%	703	686	-17	-2.5%
29.6%	702	678	-23	-3.3%
30.9%	700	677	-23	-3.4%
32.1%	700	671	-30	-4.2%
33.3%	700	667	-33	-4.7%
34.6%	698	665	-33	-4.7%
35.8%	697	665	-32	-4.6%
37.0%	684	664	-21	-3.1%
38.3%	674	663	-11	-1.7%
39.5%	668	662	-6	-0.9%
40.7%	665	658	-7	-1.0%
42.0%	662	652	-9	-1.4%
43.2%	660	647	-13	-1.9%
44.4%	657	642	-15	-2.2%
45.7%	655	640	-15	-2.3%
46.9%	654	638	-16	-2.4%
48.1%	650	624	-26	-3.9%
49.4%	647	622	-25	-3.9%
50.6%	637	613	-24	-3.8%
51.9%	633	603	-31	-4.9%
53.1%	617	602	-15	-2.4%
54.3%	609	600	-10	-1.6%
55.6%	606	595	-10	-1.7%
56.8%	597	591	-6	-1.1%
58.0%	584	580	-5	-0.8%
59.3%	575	576	1	0.2%
60.5%	573	572	0	-0.1%
61.7%	569	558	-12	-2.0%
63.0%	566	552	-14	-2.5%
64.2%	554	544	-10	-1.7%
65.4%	552	525	-27	-5.0%
66.7%	540	520	-21	-3.8%
67.9%	527	519	-8	-1.5%
69.1%	525	518	-7	-1.3%
70.4%	506	517	11	2.1%
71.6%	506	513	8	1.5%
72.8%	506	511	6	1.1%
74.1%	488	500	12	2.4%
75.3%	479	494	15	3.2%
76.5%	473	460	-14	-2.9%
77.8%	467	456	-10	-2.2%
79.0%	465	446	-18	-4.0%
80.2%	437	442	5	1.2%
81.5%	425	433	8	2.0%
82.7%	410	426	17	4.1%
84.0%	406	425	19	4.6%
85.2%	400	407	7	1.6%
86.4%	391	405	14	3.6%
87.7%	383	405	21	5.6%
88.9%	376	388	13	3.3%
90.1%	375	381	5	1.5%
91.4%	369	365	-3	-0.9%
92.6%	366	365	-1	-0.4%
93.8%	355	342	-13	-3.6%
95.1%	350	313	-38	-10.7%
96.3%	320	309	-11	-3.3%
97.5%	307	304	-3	-0.9%
98.8%	300	275	-25	-8.2%
100.0%	90	90	0	0.0%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	783	756	-27	-3.5%
1.2%	782	743	-39	-4.9%
2.5%	769	740	-29	-3.8%
3.7%	766	735	-32	-4.1%
4.9%	728	729	1	0.1%
6.2%	724	726	2	0.2%
7.4%	687	683	-5	-0.7%
8.6%	676	654	-21	-3.1%
9.9%	640	649	9	1.4%
11.1%	635	628	-7	-1.1%
12.3%	634	608	-26	-4.0%
13.6%	629	602	-27	-4.3%
14.8%	608	597	-11	-1.8%
16.0%	592	592	0	0.0%
17.3%	589	589	0	0.0%
18.5%	587	589	1	0.2%
19.8%	586	585	-1	-0.1%
21.0%	567	575	8	1.5%
22.2%	532	567	35	6.6%
23.5%	531	567	36	6.8%
24.7%	530	558	29	5.4%
25.9%	530	547	17	3.2%
27.2%	528	535	7	1.4%
28.4%	523	529	7	1.3%
29.6%	521	526	5	0.9%
30.9%	508	524	16	3.1%
32.1%	504	523	19	3.8%
33.3%	492	523	31	6.2%
34.6%	490	519	29	5.9%
35.8%	487	518	31	6.3%
37.0%	481	515	34	7.2%
38.3%	477	512	34	7.2%
39.5%	477	504	28	5.8%
40.7%	472	503	31	6.7%
42.0%	469	503	34	7.3%
43.2%	467	501	35	7.4%
44.4%	463	495	32	7.0%
45.7%	462	488	25	5.4%
46.9%	456	484	28	6.1%
48.1%	453	482	28	6.2%
49.4%	446	476	30	6.8%
50.6%	445	475	29	6.5%
51.9%	434	470	36	8.3%
53.1%	431	470	38	8.9%
54.3%	425	466	41	9.7%
55.6%	416	458	43	10.3%
56.8%	414	452	39	9.4%
58.0%	412	451	39	9.5%
59.3%	410	445	35	8.6%
60.5%	400	444	44	11.0%
61.7%	398	436	38	9.6%
63.0%	383	434	51	13.4%
64.2%	382	425	43	11.3%
65.4%	382	420	38	9.8%
66.7%	371	419	48	12.9%
67.9%	371	415	44	11.7%
69.1%	370	410	39	10.6%
70.4%	362	402	40	11.0%
71.6%	359	394	35	9.8%
72.8%	353	393	40	11.4%
74.1%	346	389	44	12.6%
75.3%	340	388	48	14.2%
76.5%	334	387	53	16.0%
77.8%	331	357	26	7.7%
79.0%	328	355	27	8.2%
80.2%	327	355	27	8.4%
81.5%	323	348	25	7.8%
82.7%	319	344	25	7.8%
84.0%	318	340	22	7.0%
85.2%	309	336	27	8.7%
86.4%	300	333	33	10.9%
87.7%	299	330	31	10.2%
88.9%	281	329	48	17.2%
90.1%	266	316	51	19.0%
91.4%	243	315	72	29.6%
92.6%	240	309	69	28.8%
93.8%	226	294	69	30.5%
95.1%	225	293	69	30.5%
96.3%	187	282	95	50.9%
97.5%	169	188	20	11.6%
98.8%	102	169	67	66.0%
100.0%	90	90	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	724	670	-54	-7.4%
1.2%	719	667	-53	-7.3%
2.5%	709	664	-45	-6.4%
3.7%	705	657	-48	-6.8%
4.9%	675	654	-21	-3.1%
6.2%	660	653	-7	-1.1%
7.4%	605	611	6	0.9%
8.6%	583	577	-6	-1.1%
9.9%	574	573	-1	-0.1%
11.1%	571	558	-13	-2.2%
12.3%	563	551	-12	-2.2%
13.6%	562	548	-14	-2.4%
14.8%	540	546	7	1.2%
16.0%	539	540	1	0.2%
17.3%	531	535	4	0.7%
18.5%	530	532	2	0.4%
19.8%	522	531	9	1.7%
21.0%	516	526	10	1.9%
22.2%	515	524	9	1.8%
23.5%	510	522	12	2.4%
24.7%	496	515	19	3.8%
25.9%	491	493	3	0.5%
27.2%	490	493	3	0.6%
28.4%	490	488	-2	-0.4%
29.6%	479	484	6	1.2%
30.9%	478	484	7	1.4%
32.1%	475	481	7	1.4%
33.3%	474	479	5	1.0%
34.6%	468	478	11	2.3%
35.8%	466	478	12	2.6%
37.0%	460	473	13	2.9%
38.3%	459	472	13	2.8%
39.5%	453	467	14	3.2%
40.7%	446	461	14	3.2%
42.0%	446	460	14	3.2%
43.2%	440	452	12	2.8%
44.4%	437	452	14	3.3%
45.7%	428	450	22	5.1%
46.9%	423	448	25	5.8%
48.1%	423	447	24	5.6%
49.4%	418	447	29	6.8%
50.6%	412	441	28	6.8%
51.9%	409	439	30	7.2%
53.1%	406	439	33	8.0%
54.3%	397	434	37	9.3%
55.6%	396	419	23	5.8%
56.8%	392	418	26	6.6%
58.0%	388	417	30	7.7%
59.3%	387	416	29	7.4%
60.5%	378	416	38	9.9%
61.7%	377	414	37	9.9%
63.0%	375	412	38	10.1%
64.2%	370	407	37	10.1%
65.4%	369	406	37	10.0%
66.7%	365	406	41	11.3%
67.9%	364	388	24	6.5%
69.1%	354	387	34	9.5%
70.4%	353	385	32	9.1%
71.6%	351	384	33	9.4%
72.8%	329	372	43	13.1%
74.1%	312	353	40	12.9%
75.3%	311	348	37	12.0%
76.5%	308	341	33	10.7%
77.8%	308	338	30	9.6%
79.0%	300	337	37	12.4%
80.2%	293	330	37	12.5%
81.5%	292	329	37	12.5%
82.7%	282	316	34	12.2%
84.0%	281	301	20	7.0%
85.2%	281	300	19	6.8%
86.4%	270	296	26	9.6%
87.7%	265	291	26	9.8%
88.9%	248	285	37	14.7%
90.1%	239	285	46	19.4%
91.4%	212	284	72	34.0%
92.6%	207	280	73	35.1%
93.8%	199	277	78	39.1%
95.1%	187	268	81	43.4%
96.3%	155	266	111	72.1%
97.5%	90	155	65	72.3%
98.8%	90	130	40	44.9%
100.0%	90	90	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Storage (TAF)	WSIP 2070 With Project End of Month Storage (TAF)	Absolute Difference (TAF)	Relative Difference (%)
0.0%	638	611	-27	-4.2%
1.2%	614	611	-3	-0.5%
2.5%	600	603	3	0.4%
3.7%	592	600	8	1.4%
4.9%	592	597	5	0.8%
6.2%	566	579	13	2.3%
7.4%	551	564	14	2.5%
8.6%	544	546	2	0.4%
9.9%	534	526	-8	-1.5%
11.1%	518	519	1	0.3%
12.3%	513	507	-6	-1.2%
13.6%	512	497	-15	-2.9%
14.8%	493	494	1	0.2%
16.0%	491	490	-1	-0.1%
17.3%	484	484	0	0.0%
18.5%	482	480	-2	-0.5%
19.8%	479	469	-9	-2.0%
21.0%	475	468	-7	-1.5%
22.2%	459	466	7	1.5%
23.5%	454	466	12	2.7%
24.7%	451	465	14	3.1%
25.9%	450	460	10	2.2%
27.2%	447	458	11	2.4%
28.4%	444	453	10	2.2%
29.6%	439	453	13	3.1%
30.9%	435	450	15	3.4%
32.1%	431	443	12	2.8%
33.3%	428	441	13	3.0%
34.6%	425	430	6	1.3%
35.8%	424	430	5	1.3%
37.0%	421	429	8	1.9%
38.3%	420	428	9	2.1%
39.5%	414	425	11	2.7%
40.7%	404	424	20	5.0%
42.0%	401	422	21	5.3%
43.2%	398	417	19	4.7%
44.4%	396	416	19	4.9%
45.7%	396	411	15	3.9%
46.9%	395	406	11	2.9%
48.1%	387	405	18	4.5%
49.4%	383	403	20	5.1%
50.6%	380	401	21	5.6%
51.9%	379	399	20	5.2%
53.1%	378	398	19	5.1%
54.3%	374	397	23	6.2%
55.6%	371	395	23	6.3%
56.8%	369	392	23	6.2%
58.0%	364	382	17	4.7%
59.3%	357	380	23	6.5%
60.5%	351	379	29	8.2%
61.7%	350	378	28	8.0%
63.0%	342	371	28	8.3%
64.2%	342	360	18	5.3%
65.4%	333	357	24	7.3%
66.7%	330	356	26	7.8%
67.9%	307	350	43	14.1%
69.1%	302	346	43	14.4%
70.4%	300	345	45	14.9%
71.6%	297	337	41	13.7%
72.8%	296	335	39	13.3%
74.1%	295	335	40	13.6%
75.3%	294	330	36	12.2%
76.5%	292	326	34	11.6%
77.8%	289	313	24	8.2%
79.0%	289	308	19	6.6%
80.2%	288	307	19	6.5%
81.5%	287	302	15	5.2%
82.7%	285	297	12	4.0%
84.0%	283	296	13	4.8%
85.2%	277	291	15	5.3%
86.4%	267	283	17	6.2%
87.7%	250	277	27	10.9%
88.9%	245	277	32	13.2%
90.1%	215	271	56	26.3%
91.4%	210	266	56	26.9%
92.6%	190	256	66	34.5%
93.8%	169	254	85	50.1%
95.1%	157	252	96	61.1%
96.3%	116	175	59	50.5%
97.5%	109	172	63	57.2%
98.8%	90	100	10	10.6%
100.0%	90	90	0	0.0%

Figure SW-25-b
Folsom Lake, End of Month Elevation
Probability of Exceedance

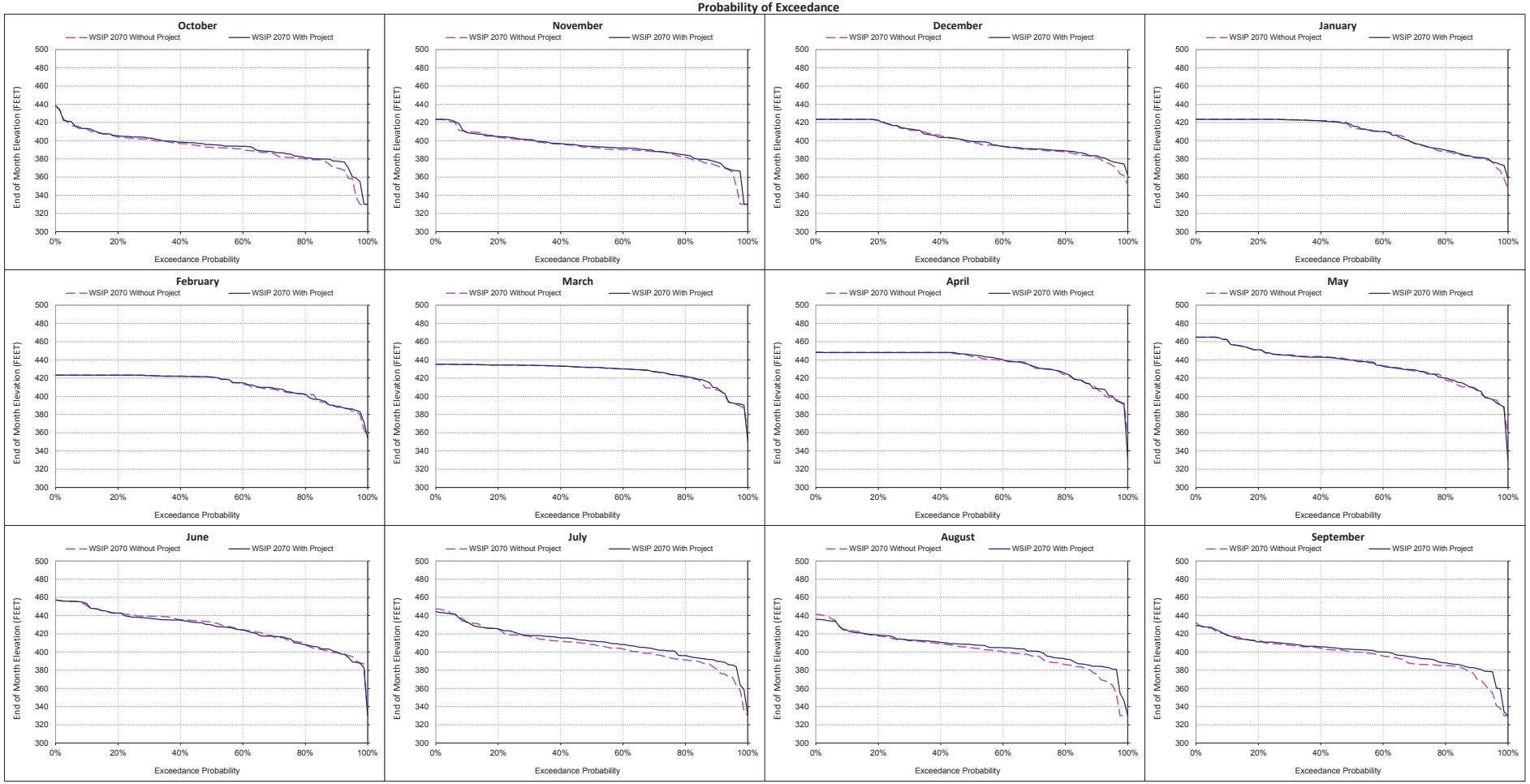


Table SW-25-b

Folsom Lake, End of Month Elevation

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	439	438	-1	-0.2%
1.2%	434	434	0	-0.1%
2.5%	424	422	-2	-0.4%
3.7%	421	421	1	0.2%
4.9%	417	421	4	1.0%
6.2%	416	416	0	0.1%
7.4%	415	414	-2	-0.4%
8.6%	414	413	0	-0.1%
9.9%	413	413	0	0.0%
11.1%	410	413	2	0.6%
12.3%	410	411	1	0.3%
13.6%	408	409	1	0.2%
14.8%	408	408	0	0.0%
16.0%	407	408	0	0.1%
17.3%	406	407	1	0.3%
18.5%	405	406	0	0.1%
19.8%	404	405	1	0.3%
21.0%	403	405	1	0.4%
22.2%	403	405	1	0.3%
23.5%	403	405	2	0.4%
24.7%	403	404	2	0.4%
25.9%	402	404	1	0.4%
27.2%	402	404	2	0.5%
28.4%	402	404	2	0.5%
29.6%	402	403	1	0.3%
30.9%	401	403	2	0.5%
32.1%	400	401	2	0.4%
33.3%	399	401	2	0.4%
34.6%	399	400	1	0.1%
35.8%	399	400	1	0.1%
37.0%	398	399	2	0.4%
38.3%	397	399	2	0.4%
39.5%	397	398	1	0.3%
40.7%	397	398	2	0.4%
42.0%	396	398	1	0.4%
43.2%	396	398	2	0.4%
44.4%	395	398	3	0.6%
45.7%	394	397	3	0.6%
46.9%	394	397	2	0.6%
48.1%	393	396	3	0.8%
49.4%	393	396	3	0.7%
50.6%	392	396	3	0.8%
51.9%	392	395	3	0.7%
53.1%	392	395	3	0.7%
54.3%	392	394	2	0.5%
55.6%	392	394	2	0.5%
56.8%	392	394	2	0.6%
58.0%	391	394	3	0.7%
59.3%	391	394	3	0.8%
60.5%	389	394	4	1.1%
61.7%	389	393	4	1.1%
63.0%	389	393	4	1.0%
64.2%	389	390	1	0.3%
65.4%	387	389	1	0.4%
66.7%	387	389	2	0.4%
67.9%	387	388	1	0.4%
69.1%	386	388	2	0.4%
70.4%	385	387	2	0.5%
71.6%	382	387	5	1.2%
72.8%	382	387	5	1.2%
74.1%	382	385	4	1.0%
75.3%	381	385	4	1.0%
76.5%	381	383	2	0.5%
77.8%	381	383	2	0.6%
79.0%	381	382	2	0.5%
80.2%	380	381	1	0.3%
81.5%	379	381	1	0.4%
82.7%	379	380	1	0.3%
84.0%	379	380	1	0.3%
85.2%	379	380	1	0.3%
86.4%	377	380	3	0.7%
87.7%	374	380	6	1.5%
88.9%	371	378	7	1.9%
90.1%	370	377	7	2.0%
91.4%	369	377	8	2.2%
92.6%	367	376	9	2.5%
93.8%	359	370	11	3.1%
95.1%	358	360	2	0.6%
96.3%	338	359	21	6.2%
97.5%	330	355	25	7.4%
98.8%	330	330	0	0.0%
100.0%	330	330	0	0.0%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	423	423	0	0.0%
1.2%	423	423	0	0.0%
2.5%	423	423	0	0.1%
3.7%	421	423	2	0.4%
4.9%	421	422	2	0.4%
6.2%	420	421	1	0.2%
7.4%	412	419	7	1.7%
8.6%	411	412	1	0.3%
9.9%	410	409	-2	-0.4%
11.1%	410	408	-1	-0.3%
12.3%	409	408	-2	-0.4%
13.6%	409	407	-2	-0.5%
14.8%	409	407	-2	-0.4%
16.0%	406	405	-1	-0.3%
17.3%	406	405	-1	-0.2%
18.5%	406	405	-1	-0.2%
19.8%	404	405	1	0.3%
21.0%	403	404	1	0.2%
22.2%	403	404	1	0.3%
23.5%	402	404	1	0.3%
24.7%	402	403	2	0.4%
25.9%	402	403	1	0.3%
27.2%	401	402	1	0.2%
28.4%	401	401	1	0.2%
29.6%	400	401	1	0.2%
30.9%	400	401	1	0.3%
32.1%	398	399	1	0.2%
33.3%	398	399	1	0.2%
34.6%	398	399	1	0.3%
35.8%	397	398	1	0.3%
37.0%	397	397	0	0.1%
38.3%	396	397	1	0.2%
39.5%	396	397	1	0.2%
40.7%	396	397	1	0.1%
42.0%	395	396	1	0.1%
43.2%	395	396	1	0.1%
44.4%	395	396	1	0.3%
45.7%	394	395	1	0.1%
46.9%	393	394	1	0.3%
48.1%	393	394	1	0.3%
49.4%	393	394	1	0.3%
50.6%	392	394	2	0.4%
51.9%	392	393	1	0.3%
53.1%	392	393	2	0.4%
54.3%	391	393	2	0.5%
55.6%	391	393	2	0.5%
56.8%	390	392	2	0.5%
58.0%	390	392	2	0.4%
59.3%	390	392	2	0.5%
60.5%	390	392	2	0.4%
61.7%	390	392	2	0.4%
63.0%	390	392	2	0.5%
64.2%	390	392	2	0.5%
65.4%	389	391	1	0.3%
66.7%	389	390	1	0.4%
67.9%	389	390	1	0.3%
69.1%	388	390	1	0.4%
70.4%	388	388	0	0.1%
71.6%	388	388	1	0.1%
72.8%	387	388	0	0.1%
74.1%	387	387	0	0.0%
75.3%	386	387	0	0.1%
76.5%	385	386	2	0.4%
77.8%	383	385	2	0.6%
79.0%	383	385	2	0.4%
80.2%	382	384	2	0.6%
81.5%	380	384	3	0.8%
82.7%	379	381	2	0.5%
84.0%	379	380	1	0.3%
85.2%	377	380	2	0.6%
86.4%	375	379	4	1.1%
87.7%	375	379	3	0.9%
88.9%	374	378	4	1.0%
90.1%	372	376	4	1.1%
91.4%	371	375	4	1.1%
92.6%	370	370	0	0.1%
93.8%	368	369	1	0.2%
95.1%	365	367	2	0.5%
96.3%	350	367	17	4.8%
97.5%	330	367	36	11.0%
98.8%	330	330	0	0.1%
100.0%	330	330	0	0.0%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	423	423	0	0.0%
1.2%	423	423	0	0.0%
2.5%	423	423	0	0.0%
3.7%	423	423	0	0.0%
4.9%	423	423	0	0.0%
6.2%	423	423	0	0.0%
7.4%	423	423	0	0.0%
8.6%	423	423	0	0.0%
9.9%	423	423	0	0.0%
11.1%	423	423	0	0.0%
12.3%	423	423	0	0.0%
13.6%	423	423	0	0.0%
14.8%	423	423	0	0.0%
16.0%	423	423	0	0.0%
17.3%	423	423	0	0.0%
18.5%	423	423	0	0.0%
19.8%	422	422	0	0.0%
21.0%	422	421	-2	-0.4%
22.2%	420	419	0	-0.1%
23.5%	418	418	0	0.0%
24.7%	418	417	-1	-0.2%
25.9%	417	416	0	0.0%
27.2%	414	415	1	0.2%
28.4%	414	414	0	0.1%
29.6%	412	413	1	0.2%
30.9%	411	412	1	0.3%
32.1%	411	412	0	0.1%
33.3%	410	411	1	0.3%
34.6%	410	407	-2	-0.6%
35.8%	408	407	-1	-0.3%
37.0%	408	406	-2	-0.4%
38.3%	407	405	-1	-0.4%
39.5%	406	404	-3	-0.6%
40.7%	404	403	-1	-0.2%
42.0%	404	403	-1	-0.2%
43.2%	403	403	-1	-0.1%
44.4%	403	402	0	0.0%
45.7%	402	402	0	0.0%
46.9%	402	401	-1	-0.1%
48.1%	399	400	1	0.4%
49.4%	398	400	2	0.4%
50.6%	398	399	1	0.3%
51.9%	397	399	2	0.4%
53.1%	395	399	3	0.8%
54.3%	395	398	3	0.8%
55.6%	395	398	3	0.7%
56.8%	395	395	0	0.0%
58.0%	395	395	0	0.0%
59.3%	394	394	-1	-0.2%
60.5%	394	393	0	0.0%
61.7%	393	393	0	-0.1%
63.0%	393	393	0	0.0%
64.2%	392	393	1	0.2%
65.4%	391	392	1	0.2%
66.7%	391	391	1	0.2%
67.9%	390	391	1	0.2%
69.1%	390	391	1	0.2%
70.4%	390	391	1	0.1%
71.6%	390	391	1	0.2%
72.8%	389	391	1	0.4%
74.1%	389	390	1	0.3%
75.3%	389	390	1	0.3%
76.5%	389	389	1	0.2%
77.8%	388	389	1	0.2%
79.0%	388	389	1	0.3%
80.2%	388	389	1	0.2%
81.5%	387	388	1	0.4%
82.7%	386	388	2	0.6%
84.0%	385	387	2	0.5%
85.2%	384	387	3	0.7%
86.4%	384	386	2	0.5%
87.7%	384	384	0	0.0%
88.9%	382	384	2	0.4%
90.1%	382	383	2	0.5%
91.4%	379	382	2	0.6%
92.6%	376	381	5	1.4%
93.8%	375	379	4	0.9%
95.1%	373	377	4	1.1%
96.3%	370	376	6	1.6%
97.5%	364	375	12	3.2%
98.8%	361	374	13	3.7%
100.0%	351	362	11	3.1%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	423	423	0	0.0%
1.2%	423	423	0	0.0%
2.5%	423	423	0	0.0%
3.7%	423	423	0	0.0%
4.9%	423	423	0	0.0%
6.2%	423	423	0	0.0%
7.4%	423	423	0	0.0%
8.6%	423	423	0	0.0%
9.9%	423	423	0	0.0%
11.1%	423	423	0	0.0%
12.3%	423	423	0	0.0%
13.6%	423	423	0	0.0%
14.8%	423	423	0	0.0%
16.0%	423	423	0	0.0%
17.3%	423	423	0	0.0%
18.5%	423	423	0	0.0%
19.8%	423	423	0	0.0%
21.0%	423	423	0	0.0%
22.2%	423	423	0	0.0%
23.5%	423	423	0	0.0%
24.7%	423	423	0	0.0%
25.9%	423	423	0	0.0%
27.2%	423	423	0	0.0%
28.4%	423	423	0	0.0%
29.6%	423	423	0	0.0%
30.9%	423	423	0	0.0%
32.1%	423	423	0	0.0%
33.3%	423	423	0	0.0%
34.6%	423	422	0	-0.1%
35.8%	422	422	0	0.0%
37.0%	422	422	0	-0.1%
38.3%	422	422	0	0.0%
39.5%	422	422	0	0.0%
40.7%	422	421	-1	-0.1%
42.0%	422	421	-1	-0.1%
43.2%	421	421	-1	-0.1%
44.4%	421	420	-1	-0.1%
45.7%	421	420	0	-0.1%
46.9%	420	419	-1	-0.3%
48.1%	420	419	-1	-0.3%
49.4%	416	418	3	0.7%
50.6%	413	416	2	0.6%
51.9%	413	416	3	0.6%
53.1%	413	413	0	0.0%
54.3%	413	413	0	0.0%
55.6%	412	411	-1	-0.2%
56.8%	411	410	-1	-0.1%
58.0%	411	410	0	-0.1%
59.3%	410	410	0	0.0%
60.5%	410	410	0	0.0%
61.7%	409	409	0	0.0%
63.0%	408	406	-2	-0.6%
64.2%	406	406	0	-0.1%
65.4%	406	403	-2	-0.6%
66.7%	404	402	-2	-0.6%
67.9%	401	401	0	0.0%
69.1%	398	398	0	0.0%
70.4%	397	397	0	-0.1%
71.6%	395	396	0	0.1%
72.8%	394	395	0	0.1%
74.1%	394	393	-1	-0.1%
75.3%	392	392	1	0.2%
76.5%	391	392	1	0.3%
77.8%	389	391	2	0.6%
79.0%	388	390	2	0.5%
80.2%	388	389	2	0.5%
81.5%	388	389	1	0.2%
82.7%	386	388	2	0.5%
84.0%	386	386	0	0.1%
85.2%	384	385	1	0.3%
86.4%	383	384	0	0.1%
87.7%	383	383	0	0.1%
88.9%	381	382	0	0.1%
90.1%	381	382	1	0.3%
91.4%	381	381	1	0.2%
92.6%	379	381	2	0.4%
93.8%	379	380	1	0.3%
95.1%	377	376	-1	-0.2%
96.3%	370	376	6	1.6%
97.5%	367	374	7	1.8%
98.8%	358	373	15	4.2%
100.0%	348	359	11	3.0%

Table SW-25-b

Folsom Lake, End of Month Elevation

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	423	423	0	0.0%
1.2%	423	423	0	0.0%
2.5%	423	423	0	0.0%
3.7%	423	423	0	0.0%
4.9%	423	423	0	0.0%
6.2%	423	423	0	0.0%
7.4%	423	423	0	0.0%
8.6%	423	423	0	0.0%
9.9%	423	423	0	0.0%
11.1%	423	423	0	0.0%
12.3%	423	423	0	0.0%
13.6%	423	423	0	0.0%
14.8%	423	423	0	0.0%
16.0%	423	423	0	0.0%
17.3%	423	423	0	0.0%
18.5%	423	423	0	0.0%
19.8%	423	423	0	0.0%
21.0%	423	423	0	0.0%
22.2%	423	423	0	0.0%
23.5%	423	423	0	0.0%
24.7%	423	423	0	0.0%
25.9%	423	423	0	0.0%
27.2%	423	423	0	0.0%
28.4%	423	423	0	0.0%
29.6%	423	423	0	0.0%
30.9%	423	423	0	0.0%
32.1%	422	422	0	0.0%
33.3%	422	422	0	0.0%
34.6%	422	422	0	0.0%
35.8%	422	422	0	0.0%
37.0%	422	422	0	0.0%
38.3%	422	422	0	0.0%
39.5%	422	422	0	0.0%
40.7%	422	422	0	0.0%
42.0%	422	422	0	0.0%
43.2%	422	422	0	0.0%
44.4%	422	422	0	0.0%
45.7%	422	422	0	0.0%
46.9%	422	422	0	0.0%
48.1%	421	421	0	0.0%
49.4%	421	421	0	0.0%
50.6%	421	421	0	0.0%
51.9%	420	420	0	0.0%
53.1%	419	419	0	0.0%
54.3%	419	419	0	0.0%
55.6%	418	418	0	0.0%
56.8%	415	415	0	0.0%
58.0%	415	415	0	0.0%
59.3%	414	415	1	0.1%
60.5%	413	414	1	0.3%
61.7%	412	413	0	0.1%
63.0%	410	412	3	0.6%
64.2%	410	411	1	0.3%
65.4%	410	410	0	0.0%
66.7%	408	410	1	0.4%
67.9%	408	410	1	0.3%
69.1%	408	410	1	0.4%
70.4%	408	408	1	0.2%
71.6%	406	408	2	0.5%
72.8%	406	408	2	0.5%
74.1%	404	405	1	0.2%
75.3%	404	405	1	0.3%
76.5%	404	404	0	0.0%
77.8%	403	403	0	0.0%
79.0%	403	403	0	0.0%
80.2%	402	402	0	0.0%
81.5%	402	398	-4	-1.0%
82.7%	402	397	-5	-1.3%
84.0%	394	397	2	0.6%
85.2%	394	396	2	0.5%
86.4%	393	394	1	0.2%
87.7%	390	390	0	0.1%
88.9%	390	390	0	0.1%
90.1%	389	388	-1	-0.2%
91.4%	389	388	-1	-0.2%
92.6%	387	387	0	0.0%
93.8%	386	386	0	-0.1%
95.1%	384	386	2	0.6%
96.3%	383	385	1	0.3%
97.5%	380	383	3	0.8%
98.8%	364	371	8	2.1%
100.0%	356	355	-2	-0.4%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	435	435	0	0.0%
1.2%	435	435	0	0.0%
2.5%	435	435	0	0.0%
3.7%	435	435	0	0.0%
4.9%	435	435	0	0.0%
6.2%	435	435	0	0.0%
7.4%	435	435	0	0.0%
8.6%	435	435	0	0.0%
9.9%	435	435	0	0.0%
11.1%	435	435	0	0.0%
12.3%	435	435	0	0.0%
13.6%	435	435	0	-0.1%
14.8%	435	435	0	0.0%
16.0%	435	435	0	0.0%
17.3%	435	434	0	0.0%
18.5%	434	434	0	0.0%
19.8%	434	434	0	0.0%
21.0%	434	434	0	0.0%
22.2%	434	434	0	0.0%
23.5%	434	434	0	0.0%
24.7%	434	434	0	0.0%
25.9%	434	434	0	0.0%
27.2%	434	434	0	0.0%
28.4%	434	434	0	0.0%
29.6%	434	434	0	0.0%
30.9%	434	434	0	0.0%
32.1%	434	434	0	-0.1%
33.3%	434	434	0	0.0%
34.6%	434	434	0	0.0%
35.8%	434	434	0	0.0%
37.0%	434	433	0	0.0%
38.3%	433	433	0	0.0%
39.5%	433	433	0	0.0%
40.7%	433	433	0	0.0%
42.0%	433	433	0	0.0%
43.2%	433	433	0	-0.1%
44.4%	433	432	0	-0.1%
45.7%	432	432	0	-0.1%
46.9%	432	432	0	0.0%
48.1%	432	432	0	0.0%
49.4%	432	432	0	0.0%
50.6%	432	432	0	0.0%
51.9%	432	432	0	0.0%
53.1%	432	432	0	0.0%
54.3%	431	431	0	0.0%
55.6%	431	431	0	0.0%
56.8%	431	431	0	0.0%
58.0%	430	430	0	0.0%
59.3%	430	430	0	0.0%
60.5%	430	430	0	0.0%
61.7%	430	430	0	0.0%
63.0%	430	430	0	0.0%
64.2%	429	429	0	0.0%
65.4%	429	429	0	0.0%
66.7%	429	429	0	-0.1%
67.9%	429	429	0	0.0%
69.1%	427	427	0	0.0%
70.4%	427	427	1	0.2%
71.6%	426	427	0	0.1%
72.8%	426	426	0	0.0%
74.1%	425	425	0	0.0%
75.3%	424	424	0	0.1%
76.5%	423	424	1	0.1%
77.8%	423	423	0	0.0%
79.0%	421	423	1	0.3%
80.2%	421	422	1	0.3%
81.5%	420	421	1	0.2%
82.7%	419	421	2	0.4%
84.0%	419	419	0	0.0%
85.2%	415	419	3	0.8%
86.4%	409	417	7	1.8%
87.7%	409	415	6	1.4%
88.9%	409	410	1	0.3%
90.1%	407	409	2	0.6%
91.4%	406	405	-1	-0.3%
92.6%	401	403	2	0.4%
93.8%	393	394	1	0.2%
95.1%	392	393	0	0.1%
96.3%	391	392	1	0.2%
97.5%	390	391	2	0.5%
98.8%	387	390	3	0.9%
100.0%	362	350	-12	-3.3%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	448	448	0	0.0%
1.2%	448	448	0	0.0%
2.5%	448	448	0	0.0%
3.7%	448	448	0	0.0%
4.9%	448	448	0	0.0%
6.2%	448	448	0	0.0%
7.4%	448	448	0	0.0%
8.6%	448	448	0	0.0%
9.9%	448	448	0	0.0%
11.1%	448	448	0	0.0%
12.3%	448	448	0	0.0%
13.6%	448	448	0	0.0%
14.8%	448	448	0	0.0%
16.0%	448	448	0	0.0%
17.3%	448	448	0	0.0%
18.5%	448	448	0	0.0%
19.8%	448	448	0	0.0%
21.0%	448	448	0	0.0%
22.2%	448	448	0	0.0%
23.5%	448	448	0	0.0%
24.7%	448	448	0	0.0%
25.9%	448	448	0	0.0%
27.2%	448	448	0	0.0%
28.4%	448	448	0	0.0%
29.6%	448	448	0	0.0%
30.9%	448	448	0	0.0%
32.1%	448	448	0	0.0%
33.3%	448	448	0	0.0%
34.6%	448	448	0	0.0%
35.8%	448	448	0	0.0%
37.0%	448	448	0	0.0%
38.3%	448	448	0	0.0%
39.5%	448	448	0	0.0%
40.7%	448	448	0	0.0%
42.0%	448	448	0	0.0%
43.2%	448	448	0	0.0%
44.4%	447	448	1	0.3%
45.7%	447	447	0	0.1%
46.9%	446	447	1	0.2%
48.1%	446	446	1	0.1%
49.4%	444	446	1	0.3%
50.6%	443	445	2	0.5%
51.9%	443	445	2	0.4%
53.1%	442	444	2	0.6%
54.3%	441	443	3	0.6%
55.6%	441	443	2	0.5%
56.8%	440	443	2	0.6%
58.0%	440	441	1	0.3%
59.3%	439	441	2	0.4%
60.5%	439	439	0	0.0%
61.7%	439	438	-1	-0.2%
63.0%	438	438	0	0.0%
64.2%	438	438	0	-0.1%
65.4%	438	437	-1	-0.2%
66.7%	438	436	-2	-0.3%
67.9%	435	435	1	0.1%
69.1%	434	433	-1	-0.2%
70.4%	431	432	2	0.4%
71.6%	430	431	1	0.2%
72.8%	430	430	0	0.1%
74.1%	430	430	0	0.1%
75.3%	429	430	1	0.1%
76.5%	429	429	0	-0.1%
77.8%	428	428	1	0.2%
79.0%	425	427	2	0.5%
80.2%	423	425	2	0.4%
81.5%	422	423	1	0.3%
82.7%	419	419	0	-0.1%
84.0%	418	418	0	0.1%
85.2%	417	418	1	0.3%
86.4%	415	415	0	0.0%
87.7%	414	414	0	0.1%
88.9%	412	409	-4	-0.9%
90.1%	408	409	1	0.2%
91.4%	405	408	3	0.8%
92.6%	401	408	7	1.8%
93.8%	399	401	2	0.5%
95.1%	399	400	1	0.3%
96.3%	397	395	-2	-0.6%
97.5%	393	394	0	0.1%
98.8%	391	392	1	0.3%
100.0%	357	330	-27	-7.6%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	465	465	0	0.0%
1.2%	465	465	0	0.0%
2.5%	465	465	0	0.0%
3.7%	465	465	0	0.0%
4.9%	465	465	0	0.0%
6.2%	465	465	0	0.0%
7.4%	464	464	0	0.0%
8.6%	463	463	0	0.0%
9.9%	462	462	0	0.0%
11.1%	457	457	0	0.0%
12.3%	456	456	0	0.0%
13.6%	456	456	0	0.0%
14.8%	455	455	1	0.2%
16.0%	454	454	0	0.0%
17.3%	453	453	0	0.0%
18.5%	451	451	0	0.0%
19.8%	451	451	0	0.0%
21.0%	451	451	0	0.0%
22.2%	448	448	0	0.1%
23.5%	447	448	1	0.2%
24.7%	446	446	0	-0.1%
25.9%	446	446	0	0.0%
27.2%	446	445	0	0.0%
28.4%	446	445	0	-0.1%
29.6%	445	445	0	-0.1%
30.9%	445	444	-1	-0.3%
32.1%	444	444	0	-0.1%
33.3%	444	444	0	0.0%
34.6%	444	443	-1	-0.2%
35.8%	444	443	-1	-0.2%
37.0%	444	443	-1	-0.2%
38.3%	444	443	-1	-0.2%
39.5%	444	443	-1	-0.2%
40.7%	444	443	-1	-0.2%
42.0%	443	443	-1	-0.1%
43.2%	443	443	0	0.0%
44.4%	443	442	-1	-0.1%
45.7%	442	442	-1	-0.2%
46.9%	442	441	-1	-0.3%
48.1%	441	440	-1	-0.2%
49.4%	440	440	0	0.0%
50.6%	440	440	0	0.0%
51.9%	439	438	-1	-0.3%
53.1%	439	438	-1	-0.3%
54.3%	439	438	-1	-0.3%
55.6%	438	437	-1	-0.2%
56.8%	438	437	-1	-0.2%
58.0%	435	434	-1	-0.3%
59.3%	434	434	0	0.0%
60.5%	433	433	-1	-0.2%
61.7%	433	432	0	-0.1%
63.0%	432	432	0	0.0%
64.2%	431	431	1	0.2%
65.4%	430	431	1	0.1%
66.7%	430	430	0	0.0%
67.9%	429	430	1	0.2%
69.1%	428	429	1	0.2%
70.4%	428	429	1	0.3%
71.6%	427	428	0	0.1%
72.8%	427	427	0	0.1%
74.1%	426	425	-2	-0.4%
75.3%	425	424	0	-0.1%
76.5%	425	424	0	-0.1%
77.8%	424	421	-3	-0.7%
79.0%	422	421	-1	-0.3%
80.2%	418	420	3	0.6%
81.5%	417	418	2	0.4%
82.7%	415	417	2	0.6%
84.0%	412	415	3	0.7%
85.2%	410	415	4	1.1%
86.4%	410	413	3	0.7%
87.7%	410	410	0	0.0%
88.9%	410	409	-1	-0.2%
90.1%	408	406	-1	-0.3%
91.4%	403	405	3	0.7%
92.6%	399	399	-1	-0.1%
93.8%	398	398	0	-0.1%
95.1%	397	396	0	-0.1%
96.3%	396	393	-3	-0.8%
97.5%	390	390	0	0.1%
98.8%	387	389	1	0.3%
100.0%	356	330	-26	-7.3%

Table SW-25-b

Folsom Lake, End of Month Elevation

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	457	457	0	0.0%
1.2%	457	457	0	0.0%
2.5%	456	456	0	0.0%
3.7%	456	456	0	0.0%
4.9%	456	456	0	0.0%
6.2%	455	456	0	0.0%
7.4%	455	455	0	0.0%
8.6%	453	455	1	0.3%
9.9%	451	453	2	0.4%
11.1%	448	448	0	0.0%
12.3%	448	448	0	0.0%
13.6%	447	447	0	0.0%
14.8%	445	445	0	0.0%
16.0%	445	445	0	0.0%
17.3%	443	444	1	0.2%
18.5%	443	443	0	0.0%
19.8%	443	443	0	0.0%
21.0%	442	443	0	0.1%
22.2%	441	440	-2	-0.4%
23.5%	441	439	-2	-0.5%
24.7%	441	438	-3	-0.7%
25.9%	440	438	-2	-0.4%
27.2%	440	438	-2	-0.3%
28.4%	439	438	-2	-0.4%
29.6%	439	437	-2	-0.5%
30.9%	439	437	-2	-0.5%
32.1%	439	436	-3	-0.7%
33.3%	439	436	-3	-0.8%
34.6%	439	435	-4	-0.8%
35.8%	439	435	-3	-0.8%
37.0%	438	435	-2	-0.6%
38.3%	437	435	-1	-0.3%
39.5%	436	435	-1	-0.2%
40.7%	435	435	-1	-0.2%
42.0%	435	434	-1	-0.3%
43.2%	435	433	-2	-0.4%
44.4%	434	433	-2	-0.4%
45.7%	434	432	-2	-0.4%
46.9%	434	432	-2	-0.4%
48.1%	434	430	-3	-0.7%
49.4%	433	430	-3	-0.7%
50.6%	432	429	-3	-0.7%
51.9%	432	428	-4	-0.9%
53.1%	430	428	-2	-0.4%
54.3%	429	427	-1	-0.3%
55.6%	428	427	-1	-0.3%
56.8%	427	426	-1	-0.2%
58.0%	425	425	-1	-0.1%
59.3%	424	424	0	0.0%
60.5%	424	424	0	0.0%
61.7%	424	422	-1	-0.3%
63.0%	423	421	-2	-0.4%
64.2%	422	420	-1	-0.3%
65.4%	421	418	-3	-0.8%
66.7%	420	417	-3	-0.6%
67.9%	418	417	-1	-0.2%
69.1%	418	417	-1	-0.2%
70.4%	416	417	1	0.3%
71.6%	416	417	1	0.2%
72.8%	416	416	1	0.2%
74.1%	414	415	1	0.4%
75.3%	412	414	2	0.5%
76.5%	412	410	-2	-0.4%
77.8%	411	410	-1	-0.3%
79.0%	411	408	-2	-0.6%
80.2%	407	408	1	0.2%
81.5%	406	407	1	0.3%
82.7%	404	406	2	0.5%
84.0%	403	406	2	0.6%
85.2%	403	404	1	0.2%
86.4%	402	403	2	0.4%
87.7%	401	403	3	0.7%
88.9%	399	401	2	0.5%
90.1%	399	400	1	0.2%
91.4%	398	398	-1	-0.1%
92.6%	398	398	0	-0.1%
93.8%	396	394	-2	-0.5%
95.1%	395	389	-6	-1.6%
96.3%	390	388	-2	-0.4%
97.5%	388	388	0	-0.1%
98.8%	387	383	-4	-1.1%
100.0%	330	330	0	0.0%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	447	445	-3	-0.6%
1.2%	447	443	-4	-0.8%
2.5%	446	443	-3	-0.6%
3.7%	446	443	-3	-0.7%
4.9%	442	442	0	0.0%
6.2%	442	442	0	0.0%
7.4%	438	437	0	-0.1%
8.6%	437	434	-3	-0.6%
9.9%	432	433	1	0.3%
11.1%	432	431	-1	-0.2%
12.3%	432	428	-3	-0.7%
13.6%	431	428	-3	-0.8%
14.8%	428	427	-1	-0.3%
16.0%	426	426	0	0.0%
17.3%	426	426	0	0.0%
18.5%	426	426	0	0.0%
19.8%	426	426	0	0.0%
21.0%	423	424	1	0.2%
22.2%	419	423	4	1.0%
23.5%	419	423	4	1.1%
24.7%	419	422	4	0.8%
25.9%	419	421	2	0.5%
27.2%	418	419	1	0.2%
28.4%	418	419	1	0.2%
29.6%	418	418	1	0.1%
30.9%	416	418	2	0.5%
32.1%	416	418	2	0.6%
33.3%	414	418	4	0.9%
34.6%	414	417	4	0.9%
35.8%	413	417	4	0.9%
37.0%	413	417	4	1.0%
38.3%	412	417	4	1.0%
39.5%	412	416	3	0.8%
40.7%	412	415	4	0.9%
42.0%	411	415	4	1.0%
43.2%	411	415	4	1.0%
44.4%	410	414	4	1.0%
45.7%	410	414	3	0.8%
46.9%	410	413	3	0.8%
48.1%	409	413	3	0.9%
49.4%	408	412	4	0.9%
50.6%	408	412	4	0.9%
51.9%	407	411	4	1.1%
53.1%	407	411	5	1.2%
54.3%	406	411	5	1.2%
55.6%	405	410	5	1.3%
56.8%	404	409	5	1.2%
58.0%	404	409	5	1.2%
59.3%	404	408	4	1.1%
60.5%	403	408	5	1.3%
61.7%	402	407	5	1.2%
63.0%	400	407	6	1.6%
64.2%	400	406	5	1.4%
65.4%	400	405	5	1.2%
66.7%	399	405	6	1.6%
67.9%	399	405	6	1.5%
69.1%	398	404	5	1.4%
70.4%	397	403	6	1.5%
71.6%	397	402	5	1.4%
72.8%	396	402	6	1.6%
74.1%	394	401	7	1.8%
75.3%	393	401	8	2.0%
76.5%	392	401	9	2.2%
77.8%	392	396	4	1.1%
79.0%	392	396	4	1.1%
80.2%	391	396	4	1.1%
81.5%	391	395	4	1.1%
82.7%	390	394	4	1.0%
84.0%	390	394	4	0.9%
85.2%	388	393	4	1.1%
86.4%	387	392	5	1.4%
87.7%	387	392	5	1.3%
88.9%	384	392	8	2.1%
90.1%	381	390	9	2.3%
91.4%	376	389	13	3.5%
92.6%	376	388	13	3.4%
93.8%	373	386	13	3.6%
95.1%	372	386	14	3.6%
96.3%	364	384	20	5.6%
97.5%	358	364	6	1.5%
98.8%	335	359	23	6.9%
100.0%	330	330	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	442	436	-5	-1.2%
1.2%	441	436	-5	-1.2%
2.5%	440	435	-5	-1.1%
3.7%	440	434	-5	-1.2%
4.9%	437	434	-3	-0.6%
6.2%	435	434	-1	-0.2%
7.4%	428	429	1	0.2%
8.6%	425	425	-1	-0.2%
9.9%	424	424	0	0.0%
11.1%	424	422	-2	-0.4%
12.3%	423	421	-2	-0.4%
13.6%	423	421	-2	-0.4%
14.8%	420	421	1	0.2%
16.0%	420	420	0	0.0%
17.3%	419	419	0	0.1%
18.5%	419	419	0	0.1%
19.8%	418	419	1	0.3%
21.0%	417	418	1	0.3%
22.2%	417	418	1	0.3%
23.5%	416	418	1	0.4%
24.7%	415	417	2	0.6%
25.9%	414	414	0	0.1%
27.2%	414	414	0	0.1%
28.4%	414	414	0	-0.1%
29.6%	412	413	1	0.2%
30.9%	412	413	1	0.2%
32.1%	412	413	1	0.2%
33.3%	412	412	1	0.1%
34.6%	411	412	1	0.3%
35.8%	411	412	2	0.4%
37.0%	410	412	2	0.4%
38.3%	410	412	2	0.4%
39.5%	409	411	2	0.4%
40.7%	408	410	2	0.4%
42.0%	408	410	2	0.4%
43.2%	408	409	2	0.4%
44.4%	407	409	2	0.4%
45.7%	406	409	3	0.7%
46.9%	406	409	3	0.7%
48.1%	406	408	3	0.7%
49.4%	405	408	4	0.9%
50.6%	404	408	3	0.9%
51.9%	404	408	4	0.9%
53.1%	403	407	4	1.0%
54.3%	402	407	5	1.1%
55.6%	402	405	3	0.7%
56.8%	402	405	3	0.8%
58.0%	401	405	4	0.9%
59.3%	401	405	4	0.9%
60.5%	400	405	5	1.2%
61.7%	400	404	5	1.2%
63.0%	399	404	5	1.3%
64.2%	398	404	5	1.3%
65.4%	398	403	5	1.3%
66.7%	398	403	6	1.5%
67.9%	397	401	4	1.0%
69.1%	396	401	5	1.4%
70.4%	396	401	5	1.3%
71.6%	395	401	5	1.4%
72.8%	392	399	7	1.8%
74.1%	389	396	7	1.7%
75.3%	389	395	6	1.6%
76.5%	388	394	5	1.4%
77.8%	388	393	5	1.2%
79.0%	387	393	6	1.6%
80.2%	386	392	6	1.6%
81.5%	386	392	6	1.5%
82.7%	384	390	6	1.5%
84.0%	384	387	3	0.9%
85.2%	384	387	3	0.9%
86.4%	382	386	5	1.2%
87.7%	381	386	5	1.3%
88.9%	377	384	7	1.9%
90.1%	375	384	9	2.4%
91.4%	369	384	15	4.0%
92.6%	368	383	15	4.1%
93.8%	367	383	16	4.5%
95.1%	364	381	18	4.9%
96.3%	354	381	26	7.4%
97.5%	330	355	25	7.4%
98.8%	330	346	16	4.9%
100.0%	330	330	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Elevation (FEET)	WSIP 2070 With Project End of Month Elevation (FEET)	Absolute Difference (FEET)	Relative Difference (%)
0.0%	432	429	-3	-0.8%
1.2%	429	429	0	-0.1%
2.5%	427	428	0	0.1%
3.7%	426	427	1	0.2%
4.9%	426	427	1	0.1%
6.2%	423	425	2	0.4%
7.4%	421	423	2	0.4%
8.6%	420	421	0	0.1%
9.9%	419	418	-1	-0.2%
11.1%	417	417	0	0.0%
12.3%	417	416	-1	-0.2%
13.6%	417	415	-2	-0.4%
14.8%	414	414	0	0.0%
16.0%	414	414	0	0.0%
17.3%	413	413	0	0.0%
18.5%	413	413	0	-0.1%
19.8%	412	411	-1	-0.3%
21.0%	412	411	-1	-0.2%
22.2%	410	411	1	0.2%
23.5%	409	411	2	0.4%
24.7%	409	411	2	0.4%
25.9%	409	410	1	0.3%
27.2%	409	410	1	0.3%
28.4%	408	409	1	0.3%
29.6%	408	409	2	0.4%
30.9%	407	409	2	0.5%
32.1%	407	408	1	0.4%
33.3%	406	408	2	0.4%
34.6%	406	406	1	0.2%
35.8%	406	406	1	0.2%
37.0%	405	406	1	0.2%
38.3%	405	406	1	0.3%
39.5%	404	406	1	0.3%
40.7%	403	406	2	0.6%
42.0%	403	405	3	0.7%
43.2%	402	405	2	0.6%
44.4%	402	405	2	0.6%
45.7%	402	404	2	0.5%
46.9%	402	403	1	0.3%
48.1%	401	403	2	0.5%
49.4%	401	403	3	0.6%
50.6%	400	403	3	0.7%
51.9%	400	403	3	0.7%
53.1%	400	402	3	0.7%
54.3%	399	402	3	0.8%
55.6%	399	402	3	0.9%
56.8%	398	402	4	0.9%
58.0%	397	400	3	0.7%
59.3%	396	400	4	1.0%
60.5%	395	400	5	1.2%
61.7%	395	400	5	1.2%
63.0%	394	398	5	1.2%
64.2%	394	397	3	0.7%
65.4%	392	396	4	1.0%
66.7%	392	396	4	1.1%
67.9%	388	395	7	1.8%
69.1%	387	394	7	1.8%
70.4%	387	394	7	1.9%
71.6%	386	393	7	1.7%
72.8%	386	393	6	1.7%
74.1%	386	393	7	1.7%
75.3%	386	392	6	1.5%
76.5%	386	391	6	1.4%
77.8%	385	389	4	1.0%
79.0%	385	388	3	0.8%
80.2%	385	388	3	0.8%
81.5%	385	387	2	0.6%
82.7%	385	386	2	0.5%
84.0%	384	386	2	0.6%
85.2%	383	386	3	0.7%
86.4%	381	384	3	0.8%
87.7%	378	383	5	1.4%
88.9%	377	383	6	1.6%
90.1%	370	382	12	3.2%
91.4%	369	381	12	3.2%
92.6%	364	379	14	3.9%
93.8%	359	379	20	5.6%
95.1%	355	378	23	6.5%
96.3%	341	360	19	5.7%
97.5%	338	359	21	6.2%
98.8%	330	334	4	1.3%
100.0%	330	330	0	0.0%

Figure SW-26-b
Folsom Lake, End of Month Area
Probability of Exceedance

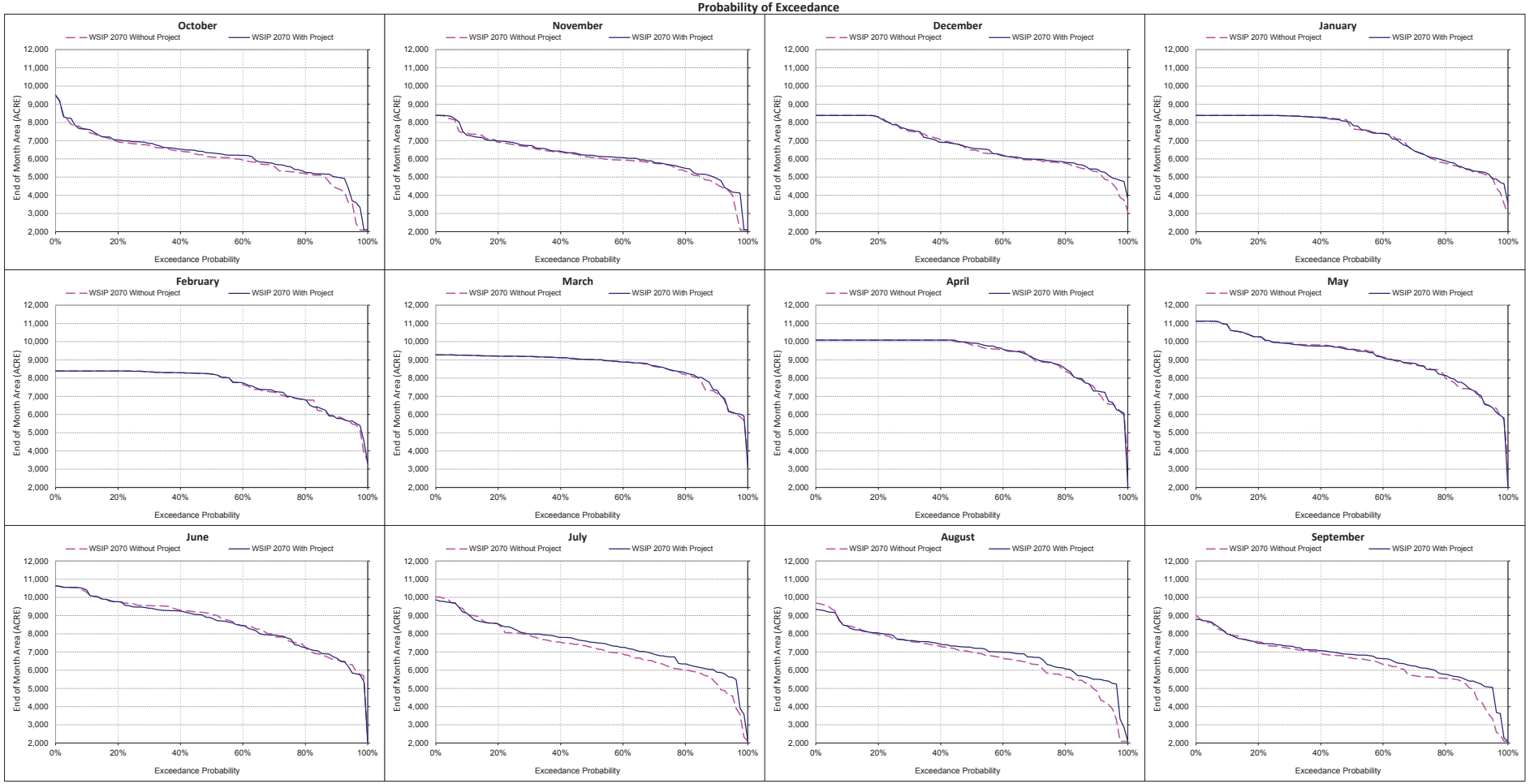


Table SW-26-b

Folsom Lake, End of Month Area

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,510	9,468	-42	-0.4%
1.2%	9,213	9,183	-30	-0.3%
2.5%	8,434	8,312	-121	-1.4%
3.7%	8,180	8,248	68	0.8%
4.9%	7,900	8,223	323	4.1%
6.2%	7,819	7,853	34	0.4%
7.4%	7,800	7,674	-125	-1.6%
8.6%	7,667	7,649	-18	-0.2%
9.9%	7,639	7,634	-5	-0.1%
11.1%	7,420	7,601	181	2.4%
12.3%	7,369	7,462	94	1.3%
13.6%	7,272	7,327	55	0.8%
14.8%	7,228	7,216	-11	-0.2%
16.0%	7,184	7,208	23	0.3%
17.3%	7,096	7,200	104	1.5%
18.5%	7,046	7,063	17	0.2%
19.8%	6,942	7,046	104	1.5%
21.0%	6,904	7,015	111	1.6%
22.2%	6,893	6,991	99	1.4%
23.5%	6,875	6,988	113	1.6%
24.7%	6,833	6,946	113	1.6%
25.9%	6,829	6,940	111	1.6%
27.2%	6,786	6,935	150	2.2%
28.4%	6,777	6,920	143	2.1%
29.6%	6,762	6,865	103	1.5%
30.9%	6,695	6,846	151	2.3%
32.1%	6,621	6,752	131	2.0%
33.3%	6,607	6,720	113	1.7%
34.6%	6,588	6,629	41	0.6%
35.8%	6,577	6,614	37	0.6%
37.0%	6,492	6,606	114	1.8%
38.3%	6,458	6,570	111	1.7%
39.5%	6,431	6,528	97	1.5%
40.7%	6,403	6,517	113	1.8%
42.0%	6,384	6,494	110	1.7%
43.2%	6,366	6,489	122	1.9%
44.4%	6,285	6,473	188	3.0%
45.7%	6,232	6,415	183	2.9%
46.9%	6,232	6,414	183	2.9%
48.1%	6,116	6,342	225	3.7%
49.4%	6,111	6,326	215	3.5%
50.6%	6,089	6,319	230	3.8%
51.9%	6,088	6,284	196	3.2%
53.1%	6,073	6,281	208	3.4%
54.3%	6,069	6,218	149	2.5%
55.6%	6,063	6,208	145	2.4%
56.8%	6,029	6,207	178	2.9%
58.0%	5,987	6,199	213	3.5%
59.3%	5,979	6,194	215	3.6%
60.5%	5,870	6,193	323	5.5%
61.7%	5,867	6,167	300	5.1%
63.0%	5,828	6,121	293	5.0%
64.2%	5,822	5,900	79	1.3%
65.4%	5,723	5,828	105	1.8%
66.7%	5,692	5,815	123	2.2%
67.9%	5,692	5,791	100	1.8%
69.1%	5,653	5,780	127	2.2%
70.4%	5,549	5,698	149	2.7%
71.6%	5,343	5,675	332	6.2%
72.8%	5,332	5,663	331	6.2%
74.1%	5,309	5,584	275	5.2%
75.3%	5,290	5,562	271	5.1%
76.5%	5,274	5,413	139	2.6%
77.8%	5,236	5,402	166	3.2%
79.0%	5,221	5,349	128	2.4%
80.2%	5,177	5,249	72	1.4%
81.5%	5,142	5,244	102	2.0%
82.7%	5,111	5,186	75	1.5%
84.0%	5,108	5,180	72	1.4%
85.2%	5,100	5,172	72	1.4%
86.4%	4,979	5,164	186	3.7%
87.7%	4,727	5,160	433	9.2%
88.9%	4,467	5,027	560	12.5%
90.1%	4,389	4,996	607	13.8%
91.4%	4,298	4,958	660	15.4%
92.6%	4,152	4,922	770	18.6%
93.8%	3,575	4,376	802	22.4%
95.1%	3,552	3,685	133	3.7%
96.3%	2,444	3,596	1,153	47.2%
97.5%	2,091	3,322	1,231	58.9%
98.8%	2,091	2,091	0	0.0%
100.0%	2,091	2,091	0	0.0%

November				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,385	8,385	0	0.0%
1.2%	8,385	8,385	0	0.0%
2.5%	8,366	8,385	18	0.2%
3.7%	8,232	8,366	135	1.6%
4.9%	8,191	8,322	131	1.6%
6.2%	8,124	8,191	67	0.8%
7.4%	7,510	8,028	518	6.9%
8.6%	7,428	7,510	81	1.1%
9.9%	7,424	7,298	-127	-1.7%
11.1%	7,358	7,268	-89	-1.2%
12.3%	7,351	7,214	-137	-1.9%
13.6%	7,327	7,186	-141	-1.9%
14.8%	7,298	7,170	-128	-1.8%
16.0%	7,127	7,038	-89	-1.3%
17.3%	7,083	7,022	-61	-0.9%
18.5%	7,079	7,016	-63	-0.9%
19.8%	6,915	6,993	78	1.1%
21.0%	6,895	6,968	73	1.1%
22.2%	6,865	6,960	95	1.4%
23.5%	6,829	6,927	98	1.4%
24.7%	6,787	6,900	113	1.7%
25.9%	6,762	6,846	84	1.2%
27.2%	6,714	6,777	63	0.9%
28.4%	6,690	6,752	62	0.9%
29.6%	6,669	6,733	64	1.0%
30.9%	6,634	6,731	97	1.5%
32.1%	6,534	6,599	65	1.0%
33.3%	6,510	6,579	69	1.1%
34.6%	6,489	6,570	81	1.2%
35.8%	6,435	6,517	82	1.3%
37.0%	6,413	6,444	31	0.5%
38.3%	6,379	6,435	56	0.9%
39.5%	6,379	6,424	46	0.7%
40.7%	6,354	6,395	41	0.6%
42.0%	6,311	6,350	39	0.6%
43.2%	6,293	6,333	39	0.6%
44.4%	6,258	6,332	74	1.2%
45.7%	6,229	6,267	37	0.6%
46.9%	6,129	6,222	93	1.5%
48.1%	6,113	6,199	87	1.4%
49.4%	6,103	6,198	95	1.6%
50.6%	6,072	6,181	110	1.8%
51.9%	6,056	6,144	88	1.5%
53.1%	6,025	6,137	113	1.9%
54.3%	5,974	6,119	145	2.4%
55.6%	5,964	6,114	151	2.5%
56.8%	5,950	6,096	146	2.5%
58.0%	5,943	6,071	128	2.2%
59.3%	5,935	6,070	135	2.3%
60.5%	5,927	6,053	126	2.1%
61.7%	5,921	6,038	117	2.0%
63.0%	5,894	6,032	138	2.3%
64.2%	5,887	6,028	142	2.4%
65.4%	5,872	5,952	80	1.4%
66.7%	5,843	5,946	103	1.8%
67.9%	5,810	5,895	85	1.5%
69.1%	5,790	5,892	101	1.8%
70.4%	5,749	5,776	26	0.5%
71.6%	5,732	5,773	41	0.7%
72.8%	5,725	5,751	27	0.5%
74.1%	5,694	5,682	-12	-0.2%
75.3%	5,632	5,662	30	0.5%
76.5%	5,523	5,634	110	2.0%
77.8%	5,400	5,571	171	3.2%
79.0%	5,393	5,514	122	2.3%
80.2%	5,308	5,474	166	3.1%
81.5%	5,216	5,443	227	4.4%
82.7%	5,097	5,234	137	2.7%
84.0%	5,085	5,159	74	1.5%
85.2%	4,988	5,156	168	3.4%
86.4%	4,841	5,141	300	6.2%
87.7%	4,828	5,083	255	5.3%
88.9%	4,730	5,012	282	6.0%
90.1%	4,591	4,922	331	7.2%
91.4%	4,457	4,808	351	7.9%
92.6%	4,385	4,412	27	0.6%
93.8%	4,241	4,310	69	1.6%
95.1%	4,016	4,173	157	3.9%
96.3%	3,056	4,143	1,087	35.6%
97.5%	2,101	4,113	2,012	95.8%
98.8%	2,091	2,101	10	0.5%
100.0%	2,091	2,091	0	0.0%

December				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,385	8,385	0	0.0%
1.2%	8,385	8,385	0	0.0%
2.5%	8,385	8,385	0	0.0%
3.7%	8,385	8,385	0	0.0%
4.9%	8,385	8,385	0	0.0%
6.2%	8,385	8,385	0	0.0%
7.4%	8,385	8,385	0	0.0%
8.6%	8,385	8,385	0	0.0%
9.9%	8,385	8,385	0	0.0%
11.1%	8,385	8,385	0	0.0%
12.3%	8,385	8,385	0	0.0%
13.6%	8,385	8,385	0	0.0%
14.8%	8,385	8,385	0	0.0%
16.0%	8,385	8,385	0	0.0%
17.3%	8,385	8,385	0	0.0%
18.5%	8,366	8,366	0	0.0%
19.8%	8,318	8,321	3	0.0%
21.0%	8,304	8,181	-123	-1.5%
22.2%	8,110	8,074	-37	-0.5%
23.5%	7,989	7,989	0	0.0%
24.7%	7,952	7,878	-74	-0.9%
25.9%	7,878	7,875	-3	0.0%
27.2%	7,660	7,735	74	1.0%
28.4%	7,656	7,674	17	0.2%
29.6%	7,532	7,606	73	1.0%
30.9%	7,492	7,575	82	1.1%
32.1%	7,484	7,518	34	0.5%
33.3%	7,412	7,500	88	1.2%
34.6%	7,370	7,189	-181	-2.5%
35.8%	7,249	7,150	-99	-1.4%
37.0%	7,218	7,104	-114	-1.6%
38.3%	7,150	7,043	-107	-1.5%
39.5%	7,104	6,913	-192	-2.7%
40.7%	6,971	6,901	-70	-1.0%
42.0%	6,947	6,901	-45	-0.7%
43.2%	6,901	6,863	-38	-0.6%
44.4%	6,840	6,829	-11	-0.2%
45.7%	6,790	6,804	14	0.2%
46.9%	6,756	6,715	-41	-0.6%
48.1%	6,566	6,672	107	1.6%
49.4%	6,490	6,612	121	1.9%
50.6%	6,488	6,571	83	1.3%
51.9%	6,447	6,557	110	1.7%
53.1%	6,315	6,551	235	3.7%
54.3%	6,311	6,533	222	3.5%
55.6%	6,288	6,490	203	3.2%
56.8%	6,286	6,288	1	0.0%
58.0%	6,279	6,267	-11	-0.2%
59.3%	6,234	6,188	-46	-0.7%
60.5%	6,171	6,164	-7	-0.1%
61.7%	6,143	6,112	-31	-0.5%
63.0%	6,101	6,107	6	0.1%
64.2%	6,049	6,101	52	0.9%
65.4%	5,989	6,060	70	1.2%
66.7%	5,952	6,006	54	0.9%
67.9%	5,947	5,998	51	0.9%
69.1%	5,941	5,991	50	0.8%
70.4%	5,941	5,978	37	0.6%
71.6%	5,922	5,969	47	0.8%
72.8%	5,861	5,963	102	1.7%
74.1%	5,831	5,906	75	1.3%
75.3%	5,819	5,904	85	1.5%
76.5%	5,817	5,869	52	0.9%
77.8%	5,788	5,857	68	1.2%
79.0%	5,769	5,845	76	1.3%
80.2%	5,758	5,807	49	0.9%
81.5%	5,681	5,785	103	1.8%
82.7%	5,602	5,779	177	3.2%
84.0%	5,549	5,692	143	2.6%
85.2%	5,478	5,676	198	3.6%
86.4%	5,446	5,586	140	2.6%
87.7%	5,441	5,446	6	0.1%
88.9%	5,319	5,444	124	2.3%
90.1%	5,301	5,430	129	2.4%
91.4%	5,123	5,302	179	3.5%
92.6%	4,879	5,260	381	7.8%
93.8%	4,823	5,088	265	5.5%
95.1%	4,634	4,954	320	6.9%
96.3%	4,392	4,891	499	11.4%
97.5%	3,882	4,821	939	24.2%
98.8%	3,734	4,764	1,030	27.6%
100.0%	3,098	3,794	696	22.5%

January				
Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,385	8,385	0	0.0%
1.2%	8,385	8,385	0	0.0%
2.5%	8,385	8,385	0	0.0%
3.7%	8,385	8,385	0	0.0%
4.9%	8,385	8,385	0	0.0%
6.2%	8,385	8,385	0	0.0%
7.4%	8,385	8,385	0	0.0%
8.6%	8,385	8,385	0	0.0%
9.9%	8,385	8,385	0	0.0%
11.1%	8,385	8,385	0	0.0%
12.3%	8,385	8,385	0	0.0%
13.6%	8,385	8,385	0	0.0%
14.8%	8,385	8,385	0	0.0%
16.0%	8,385	8,385	0	0.0%
17.3%	8,385	8,385	0	0.0%
18.5%	8,385	8,385	0	0.0%
19.8%	8,385	8,385	0	0.0%
21.0%	8,385	8,385	0	0.0%
22.2%	8,385	8,385	0	0.0%
23.5%	8,385	8,385	0	0.0%
24.7%	8,385	8,385	0	0.0%
25.9%	8,385	8,385	0	0.0%
27.2%	8,376	8,376	0	0.0%
28.4%	8,366	8,366	0	0.0%
29.6%	8,357	8,357	0	0.0%
30.9%	8,357	8,357	0	0.0%
32.1%	8,357	8,348	-9	-0.1%
33.3%	8,348	8,339	-9	-0.1%
34.6%	8,339	8,320	-18	-0.2%
35.8%	8,320	8,311	-9	-0.1%
37.0%	8,311	8,293	-18	-0.2%
38.3%	8,293	8,283	-9	-0.1%
39.5%	8,283	8,283	0	0.0%
40.7%	8,283	8,237	-46	-0.6%
42.0%	8,278	8,233	-46	-0.6%
43.2%	8,237	8,191	-46	-0.6%
44.4%	8,217	8,173	-44	-0.5%
45.7%	8,191	8,164	-28	-0.3%
46.9%	8,173	8,083	-90	-1.1%
48.1%	8,164	8,076	-88	-1.1%
49.4%	7,814	8,020	206	2.6%
50.6%	7,643	7,814	171	2.2%
51.9%	7,608	7,806	197	2.6%
53.1%	7,603	7,592	-11	-0.1%
54.3%	7,592	7,580	-13	-0.2%
55.6%	7,556	7,492	-65	-0.9%
56.8%	7,463	7,418	-46	-0.6%
58.0%	7,432	7,405	-27	-0.4%
59.3%	7,399	7,399	0	0.0%
60.5%	7,390	7,390	0	0.0%
61.7%	7,334	7,334	0	0.0%
63.0%	7,270	7,095	-175	-2.4%
64.2%	7,095	7,077	-18	-0.3%
65.4%	7,077	6,897	-180	-2.5%
66.7%	6,950	6,765	-186	-2.7%
67.9%	6,693	6,693	0	0.0%
69.1%	6,526	6,526	0	0.0%
70.4%	6,422	6,398	-24	-0.4%
71.6%	6,315	6,346	31	0.5%
72.8%	6,241	6,267	26	0.4%
74.1%	6,193	6,150	-43	-0.7%
75.3%	6,025	6,074	49	0.8%
76.5%	5,953	6,048	95	1.6%
77.8%	5,821	6,000	179	3.1%
79.0%	5,802	5,938	136	2.3%
80.2%	5,739	5,872	132	2.3%
81.5%	5,736	5,806	71	1.2%
82.7%	5,621	5,775	154	2.7%
84.0%	5,603	5,621	17	0.3%
85.2%	5,478	5,559	82	1.5%
86.4%	5,428	5,464	36	0.7%
87.7%	5,397	5,428	32	0.6%
88.9%	5,292	5,327	35	0.7%
90.1%	5,243	5,319	76	1.4%
91.4%	5,234	5,283	49	0.9%
92.6%	5,138	5,258	120	2.3%
93.8%	5,084	5,162	77	1.5%
95.1%	4,950	4,902	-48	-1.0%
96.3%	4,398	4,883	485	11.0%
97.5%	4,156	4,702	546	13.1%
98.8%	3,537	4,639	1,102	31.2%
100.0%	2,943	3,570	627	21.3%

Table SW-26-b

Folsom Lake, End of Month Area

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	8,385	8,385	0	0.0%
1.2%	8,385	8,385	0	0.0%
2.5%	8,385	8,385	0	0.0%
3.7%	8,385	8,385	0	0.0%
4.9%	8,385	8,385	0	0.0%
6.2%	8,385	8,385	0	0.0%
7.4%	8,385	8,385	0	0.0%
8.6%	8,385	8,385	0	0.0%
9.9%	8,385	8,385	0	0.0%
11.1%	8,385	8,385	0	0.0%
12.3%	8,385	8,385	0	0.0%
13.6%	8,385	8,385	0	0.0%
14.8%	8,385	8,385	0	0.0%
16.0%	8,385	8,385	0	0.0%
17.3%	8,385	8,385	0	0.0%
18.5%	8,385	8,385	0	0.0%
19.8%	8,385	8,385	0	0.0%
21.0%	8,385	8,385	0	0.0%
22.2%	8,385	8,385	0	0.0%
23.5%	8,385	8,385	0	0.0%
24.7%	8,376	8,376	0	0.0%
25.9%	8,376	8,376	0	0.0%
27.2%	8,376	8,376	0	0.0%
28.4%	8,366	8,366	0	0.0%
29.6%	8,348	8,348	0	0.0%
30.9%	8,339	8,339	0	0.0%
32.1%	8,320	8,320	0	0.0%
33.3%	8,320	8,320	0	0.0%
34.6%	8,302	8,302	0	0.0%
35.8%	8,302	8,302	0	0.0%
37.0%	8,302	8,302	0	0.0%
38.3%	8,302	8,302	0	0.0%
39.5%	8,293	8,293	0	0.0%
40.7%	8,293	8,293	0	0.0%
42.0%	8,283	8,283	0	0.0%
43.2%	8,274	8,274	0	0.0%
44.4%	8,274	8,274	0	0.0%
45.7%	8,256	8,256	0	0.0%
46.9%	8,256	8,256	0	0.0%
48.1%	8,247	8,247	0	0.0%
49.4%	8,237	8,237	0	0.0%
50.6%	8,201	8,201	0	0.0%
51.9%	8,164	8,164	0	0.0%
53.1%	8,044	8,044	0	0.0%
54.3%	8,035	8,035	0	0.0%
55.6%	8,016	8,016	0	0.0%
56.8%	7,758	7,772	14	0.2%
58.0%	7,758	7,758	0	0.0%
59.3%	7,712	7,758	46	0.6%
60.5%	7,609	7,712	104	1.4%
61.7%	7,570	7,600	30	0.4%
63.0%	7,381	7,570	190	2.6%
64.2%	7,381	7,466	85	1.2%
65.4%	7,371	7,381	9	0.1%
66.7%	7,270	7,381	111	1.5%
67.9%	7,268	7,371	103	1.4%
69.1%	7,242	7,354	112	1.5%
70.4%	7,215	7,270	55	0.8%
71.6%	7,096	7,242	147	2.1%
72.8%	7,056	7,215	159	2.2%
74.1%	6,964	7,009	46	0.7%
75.3%	6,918	6,998	80	1.2%
76.5%	6,911	6,911	0	0.0%
77.8%	6,865	6,865	0	0.0%
79.0%	6,849	6,837	-11	-0.2%
80.2%	6,799	6,791	-8	-0.1%
81.5%	6,791	6,509	-282	-4.2%
82.7%	6,790	6,410	-381	-5.6%
84.0%	6,234	6,407	173	2.8%
85.2%	6,189	6,320	131	2.1%
86.4%	6,168	6,238	70	1.1%
87.7%	5,913	5,946	34	0.6%
88.9%	5,906	5,932	26	0.4%
90.1%	5,854	5,785	-69	-1.2%
91.4%	5,845	5,781	-64	-1.1%
92.6%	5,711	5,707	-4	-0.1%
93.8%	5,654	5,639	-16	-0.3%
95.1%	5,473	5,636	163	3.0%
96.3%	5,430	5,516	86	1.6%
97.5%	5,168	5,397	229	4.4%
98.8%	3,898	4,514	616	15.8%
100.0%	3,421	3,322	-99	-2.9%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,278	9,278	0	0.0%
1.2%	9,278	9,278	0	0.0%
2.5%	9,278	9,278	0	0.0%
3.7%	9,278	9,278	0	0.0%
4.9%	9,278	9,269	-9	-0.1%
6.2%	9,269	9,260	-9	-0.1%
7.4%	9,260	9,260	0	0.0%
8.6%	9,260	9,260	0	0.0%
9.9%	9,260	9,260	0	0.0%
11.1%	9,260	9,251	-9	-0.1%
12.3%	9,251	9,251	0	0.0%
13.6%	9,251	9,232	-18	-0.2%
14.8%	9,232	9,223	-9	-0.1%
16.0%	9,223	9,223	0	0.0%
17.3%	9,223	9,214	-9	-0.1%
18.5%	9,214	9,214	0	0.0%
19.8%	9,214	9,205	-9	-0.1%
21.0%	9,205	9,205	0	0.0%
22.2%	9,205	9,205	0	0.0%
23.5%	9,205	9,205	0	0.0%
24.7%	9,205	9,205	0	0.0%
25.9%	9,205	9,205	0	0.0%
27.2%	9,196	9,196	0	0.0%
28.4%	9,196	9,196	0	0.0%
29.6%	9,187	9,186	0	0.0%
30.9%	9,186	9,186	0	0.0%
32.1%	9,186	9,168	-18	-0.2%
33.3%	9,168	9,168	0	0.0%
34.6%	9,168	9,159	-9	-0.1%
35.8%	9,159	9,149	-9	-0.1%
37.0%	9,149	9,140	-9	-0.1%
38.3%	9,140	9,131	-9	-0.1%
39.5%	9,131	9,122	-9	-0.1%
40.7%	9,122	9,113	-9	-0.1%
42.0%	9,113	9,113	0	0.0%
43.2%	9,113	9,076	-37	-0.4%
44.4%	9,076	9,057	-18	-0.2%
45.7%	9,057	9,030	-28	-0.3%
46.9%	9,030	9,030	0	0.0%
48.1%	9,030	9,029	-1	0.0%
49.4%	9,020	9,024	3	0.0%
50.6%	9,017	9,020	3	0.0%
51.9%	9,011	9,011	0	0.0%
53.1%	9,008	9,008	0	0.0%
54.3%	8,956	8,956	0	0.0%
55.6%	8,947	8,947	0	0.0%
56.8%	8,928	8,928	0	0.0%
58.0%	8,919	8,919	0	0.0%
59.3%	8,891	8,891	0	0.0%
60.5%	8,882	8,882	0	0.0%
61.7%	8,882	8,882	0	0.0%
63.0%	8,855	8,855	0	0.0%
64.2%	8,836	8,836	0	0.0%
65.4%	8,827	8,827	0	0.0%
66.7%	8,827	8,790	-37	-0.4%
67.9%	8,790	8,780	-10	-0.1%
69.1%	8,680	8,689	10	0.1%
70.4%	8,624	8,680	55	0.6%
71.6%	8,597	8,624	28	0.3%
72.8%	8,587	8,597	10	0.1%
74.1%	8,512	8,512	0	0.0%
75.3%	8,424	8,446	22	0.3%
76.5%	8,366	8,404	38	0.5%
77.8%	8,366	8,366	0	0.0%
79.0%	8,237	8,343	106	1.3%
80.2%	8,183	8,273	90	1.1%
81.5%	8,158	8,218	60	0.7%
82.7%	8,059	8,174	116	1.4%
84.0%	8,039	8,037	-3	0.0%
85.2%	7,775	8,028	253	3.3%
86.4%	7,338	7,887	549	7.5%
87.7%	7,333	7,775	441	6.0%
88.9%	7,300	7,378	79	1.1%
90.1%	7,159	7,333	175	2.4%
91.4%	7,113	7,028	-85	-1.2%
92.6%	6,745	6,863	119	1.8%
93.8%	6,148	6,194	46	0.7%
95.1%	6,093	6,120	28	0.5%
96.3%	6,002	6,055	54	0.9%
97.5%	5,884	6,021	137	2.3%
98.8%	5,671	5,921	250	4.4%
100.0%	3,808	3,057	-751	-19.7%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,094	10,094	0	0.0%
1.2%	10,094	10,094	0	0.0%
2.5%	10,084	10,084	0	0.0%
3.7%	10,084	10,084	0	0.0%
4.9%	10,084	10,084	0	0.0%
6.2%	10,084	10,084	0	0.0%
7.4%	10,084	10,084	0	0.0%
8.6%	10,084	10,084	0	0.0%
9.9%	10,084	10,084	0	0.0%
11.1%	10,084	10,084	0	0.0%
12.3%	10,084	10,084	0	0.0%
13.6%	10,084	10,084	0	0.0%
14.8%	10,084	10,084	0	0.0%
16.0%	10,084	10,084	0	0.0%
17.3%	10,084	10,084	0	0.0%
18.5%	10,084	10,084	0	0.0%
19.8%	10,084	10,084	0	0.0%
21.0%	10,084	10,084	0	0.0%
22.2%	10,084	10,084	0	0.0%
23.5%	10,084	10,084	0	0.0%
24.7%	10,084	10,084	0	0.0%
25.9%	10,084	10,084	0	0.0%
27.2%	10,084	10,084	0	0.0%
28.4%	10,084	10,084	0	0.0%
29.6%	10,084	10,084	0	0.0%
30.9%	10,084	10,084	0	0.0%
32.1%	10,084	10,084	0	0.0%
33.3%	10,084	10,084	0	0.0%
34.6%	10,084	10,084	0	0.0%
35.8%	10,084	10,084	0	0.0%
37.0%	10,084	10,084	0	0.0%
38.3%	10,084	10,084	0	0.0%
39.5%	10,084	10,084	0	0.0%
40.7%	10,084	10,084	0	0.0%
42.0%	10,084	10,084	0	0.0%
43.2%	10,083	10,084	1	0.0%
44.4%	10,008	10,083	75	0.7%
45.7%	9,993	10,008	15	0.1%
46.9%	9,949	9,993	44	0.4%
48.1%	9,940	9,980	40	0.4%
49.4%	9,852	9,937	84	0.9%
50.6%	9,787	9,916	129	1.3%
51.9%	9,786	9,898	112	1.1%
53.1%	9,700	9,852	152	1.6%
54.3%	9,628	9,782	155	1.6%
55.6%	9,625	9,765	140	1.5%
56.8%	9,601	9,754	153	1.6%
58.0%	9,594	9,681	87	0.9%
59.3%	9,552	9,653	101	1.1%
60.5%	9,550	9,552	2	0.0%
61.7%	9,527	9,479	-47	-0.5%
63.0%	9,490	9,478	-12	-0.1%
64.2%	9,479	9,461	-18	-0.2%
65.4%	9,475	9,431	-44	-0.5%
66.7%	9,455	9,354	-101	-1.1%
67.9%	9,240	9,287	47	0.5%
69.1%	9,191	9,131	-59	-0.6%
70.4%	8,939	9,062	123	1.4%
71.6%	8,903	8,959	56	0.6%
72.8%	8,885	8,915	31	0.3%
74.1%	8,865	8,884	19	0.2%
75.3%	8,836	8,875	39	0.4%
76.5%	8,803	8,775	-28	-0.3%
77.8%	8,701	8,751	50	0.6%
79.0%	8,484	8,628	144	1.7%
80.2%	8,354	8,484	129	1.5%
81.5%	8,259	8,354	96	1.2%
82.7%	8,084	8,066	-18	-0.2%
84.0%	7,972	7,992	21	0.3%
85.2%	7,892	7,971	79	1.0%
86.4%	7,737	7,737	0	0.0%
87.7%	7,651	7,676	25	0.3%
88.9%	7,570	7,296	-274	-3.6%
90.1%	7,224	7,286	63	0.9%
91.4%	7,023	7,250	228	3.2%
92.6%	6,686	7,217	532	8.0%
93.8%	6,566	6,718	152	2.3%
95.1%	6,562	6,659	96	1.5%
96.3%	6,443	6,265	-178	-2.8%
97.5%	6,152	6,188	36	0.6%
98.8%	5,970	6,064	93	1.6%
100.0%	3,472	2,091	-1,381	-39.8%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	11,124	11,124	0	0.0%
1.2%	11,124	11,124	0	0.0%
2.5%	11,124	11,124	0	0.0%
3.7%	11,124	11,124	0	0.0%
4.9%	11,124	11,124	0	0.0%
6.2%	11,124	11,124	0	0.0%
7.4%	11,080	11,080	0	0.0%
8.6%	10,976	10,973	-4	0.0%
9.9%	10,962	10,962	0	0.0%
11.1%	10,623	10,623	0	0.0%
12.3%	10,593	10,593	0	0.0%
13.6%	10,558	10,558	0	0.0%
14.8%	10,482	10,526	44	0.4%
16.0%	10,449	10,445	-4	0.0%
17.3%	10,367	10,364	-4	0.0%
18.5%	10,275	10,275	0	0.0%
19.8%	10,272	10,272	0	0.0%
21.0%	10,258	10,258	0	0.0%
22.2%	10,063	10,086	22	0.2%
23.5%	10,005	10,063	59	0.6%
24.7%	9,984	9,956	-27	-0.3%
25.9%	9,963	9,954	-9	-0.1%
27.2%	9,929	9,926	-3	0.0%
28.4%	9,929	9,914	-15	-0.2%
29.6%	9,926	9,907	-19	-0.2%
30.9%	9,925	9,856	-70	-0.7%
32.1%	9,862	9,835	-27	-0.3%
33.3%	9,843	9,830	-12	-0.1%
34.6%	9,841	9,789	-52	-0.5%
35.8%	9,826	9,779	-47	-0.5%
37.0%	9,825	9,776	-49	-0.5%
38.3%	9,823	9,766	-56	-0.6%
39.5%	9,822	9,765	-57	-0.6%
40.7%	9,818	9,764	-54	-0.6%
42.0%	9,800	9,761	-39	-0.4%
43.2%	9,754	9,760	6	0.1%
44.4%	9,749	9,711	-38	-0.4%
45.7%	9,742	9,688	-55	-0.6%
46.9%	9,713	9,641	-72	-0.7%
48.1%	9,648	9,592	-56	-0.6%
49.4%	9,592	9,581	-11	-0.1%
50.6%	9,577	9,578	1	0.0%
51.9%	9,558	9,474	-84	-0.9%
53.1%	9,548	9,472	-76	-0.8%
54.3%	9,545	9,468	-77	-0.8%
55.6%	9,464	9,404	-61	-0.6%
56.8%	9,454	9,392	-62	-0.7%
58.0%	9,274	9,191	-83	-0.9%
59.3%	9,173	9,172	-1	0.0%
60.5%	9,139	9,072	-66	-0.7%
61.7%	9,076	9,048	-27	-0.3%
63.0%	9,011	9,002	-10	-0.1%
64.2%	8,929	8,995	66	0.7%
65.4%	8,907	8,947	40	0.5%
66.7%	8,852	8,852	0	0.0%
67.9%	8,800	8,848	48	0.5%
69.1%	8,765	8,818	53	0.6%
70.4%	8,716	8,808	91	1.0%
71.6%	8,681	8,698	17	0.2%
72.8%	8,653	8,672	19	0.2%
74.1%	8,621	8,482	-139	-1.6%
75.3%	8,480	8,457	-23	-0.3%
76.5%	8,474	8,446	-27	-0.3%
77.8%	8,457	8,238	-219	-2.6%
79.0%	8,279	8,174	-104	-1.3%
80.2%	7,953	8,140	187	2.4%
81.5%	7,896	8,008	113	1.4%
82.7%	7,763	7,945	182	2.3%
84.0%	7,557	7,773	216	2.9%
85.2%	7,427	7,759	332	4.5%
86.4%	7,421	7,620	200	2.7%
87.7%	7,412	7,412	0	0.0%
88.9%	7,384	7,326	-57	-0.8%
90.1%	7,223	7,119	-104	-1.4%
91.4%	6,857	7,053	196	2.9%
92.6%	6,593	6,550	-43	-0.6%
93.8%	6,513	6,490	-24	-0.4%
95.1%	6,408	6,381	-26	-0.4%
96.3%	6,339	6,104	-234	-3.7%
97.5%	5,911	5,947	36	0.6%
98.8%	5,716	5,808	92	1.6%
100.0%	3,423	2,091	-1,332	-38.9%

Table SW-26-b

Folsom Lake, End of Month Area

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,636	10,636	-1	0.0%
1.2%	10,605	10,605	0	0.0%
2.5%	10,559	10,559	0	0.0%
3.7%	10,558	10,558	0	0.0%
4.9%	10,547	10,551	4	0.0%
6.2%	10,537	10,547	10	0.1%
7.4%	10,532	10,532	0	0.0%
8.6%	10,416	10,489	73	0.7%
9.9%	10,289	10,408	120	1.2%
11.1%	10,086	10,086	0	0.0%
12.3%	10,062	10,062	0	0.0%
13.6%	10,027	10,027	0	0.0%
14.8%	9,925	9,917	-8	-0.1%
16.0%	9,910	9,901	-9	-0.1%
17.3%	9,791	9,839	48	0.5%
18.5%	9,762	9,769	7	0.1%
19.8%	9,753	9,762	9	0.1%
21.0%	9,740	9,753	14	0.1%
22.2%	9,679	9,568	-111	-1.1%
23.5%	9,676	9,540	-137	-1.4%
24.7%	9,662	9,476	-186	-1.9%
25.9%	9,581	9,474	-106	-1.1%
27.2%	9,561	9,469	-92	-1.0%
28.4%	9,558	9,454	-104	-1.1%
29.6%	9,548	9,409	-138	-1.4%
30.9%	9,540	9,397	-143	-1.5%
32.1%	9,540	9,341	-199	-2.1%
33.3%	9,538	9,308	-230	-2.4%
34.6%	9,526	9,289	-237	-2.5%
35.8%	9,519	9,286	-234	-2.5%
37.0%	9,445	9,274	-171	-1.8%
38.3%	9,372	9,268	-104	-1.1%
39.5%	9,313	9,260	-53	-0.6%
40.7%	9,287	9,223	-64	-0.7%
42.0%	9,257	9,171	-86	-0.9%
43.2%	9,242	9,124	-118	-1.3%
44.4%	9,211	9,075	-136	-1.5%
45.7%	9,193	9,056	-137	-1.5%
46.9%	9,182	9,038	-144	-1.6%
48.1%	9,146	8,910	-236	-2.6%
49.4%	9,122	8,891	-232	-2.5%
50.6%	9,034	8,812	-222	-2.5%
51.9%	8,997	8,713	-283	-3.1%
53.1%	8,848	8,710	-138	-1.6%
54.3%	8,774	8,685	-89	-1.0%
55.6%	8,742	8,647	-95	-1.1%
56.8%	8,662	8,603	-59	-0.7%
58.0%	8,543	8,501	-42	-0.5%
59.3%	8,458	8,468	10	0.1%
60.5%	8,439	8,435	-4	0.0%
61.7%	8,406	8,300	-107	-1.3%
63.0%	8,378	8,247	-130	-1.6%
64.2%	8,263	8,174	-89	-1.1%
65.4%	8,247	7,994	-253	-3.1%
66.7%	8,139	7,950	-190	-2.3%
67.9%	8,014	7,943	-71	-0.9%
69.1%	7,998	7,934	-64	-0.8%
70.4%	7,824	7,921	97	1.2%
71.6%	7,820	7,890	70	0.9%
72.8%	7,819	7,871	52	0.7%
74.1%	7,661	7,770	109	1.4%
75.3%	7,572	7,712	140	1.8%
76.5%	7,522	7,397	-125	-1.7%
77.8%	7,461	7,365	-96	-1.3%
79.0%	7,441	7,272	-169	-2.3%
80.2%	7,189	7,237	48	0.7%
81.5%	7,072	7,149	77	1.1%
82.7%	6,934	7,088	154	2.2%
84.0%	6,899	7,072	173	2.5%
85.2%	6,849	6,909	60	0.9%
86.4%	6,766	6,897	130	1.9%
87.7%	6,684	6,888	204	3.1%
88.9%	6,594	6,738	144	2.2%
90.1%	6,589	6,654	65	1.0%
91.4%	6,510	6,471	-38	-0.6%
92.6%	6,479	6,462	-17	-0.3%
93.8%	6,348	6,197	-152	-2.4%
95.1%	6,293	5,844	-449	-7.1%
96.3%	5,929	5,804	-125	-2.1%
97.5%	5,777	5,745	-32	-0.6%
98.8%	5,692	5,374	-317	-5.6%
100.0%	2,091	2,091	0	0.0%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	10,030	9,868	-162	-1.6%
1.2%	10,025	9,795	-229	-2.3%
2.5%	9,950	9,776	-173	-1.7%
3.7%	9,931	9,744	-187	-1.9%
4.9%	9,706	9,710	4	0.0%
6.2%	9,682	9,692	10	0.1%
7.4%	9,462	9,434	-28	-0.3%
8.6%	9,386	9,191	-195	-2.1%
9.9%	9,059	9,140	81	0.9%
11.1%	9,012	8,950	-62	-0.7%
12.3%	8,999	8,764	-235	-2.6%
13.6%	8,952	8,704	-248	-2.8%
14.8%	8,759	8,658	-101	-1.1%
16.0%	8,615	8,615	0	0.0%
17.3%	8,589	8,590	1	0.0%
18.5%	8,571	8,583	12	0.1%
19.8%	8,561	8,554	-8	-0.1%
21.0%	8,382	8,459	77	0.9%
22.2%	8,062	8,387	325	4.0%
23.5%	8,052	8,386	334	4.1%
24.7%	8,041	8,305	264	3.3%
25.9%	8,040	8,198	158	2.0%
27.2%	8,022	8,089	67	0.8%
28.4%	7,975	8,037	62	0.8%
29.6%	7,960	8,005	45	0.6%
30.9%	7,842	7,985	144	1.8%
32.1%	7,804	7,983	179	2.3%
33.3%	7,694	7,977	283	3.7%
34.6%	7,679	7,945	266	3.5%
35.8%	7,646	7,930	284	3.7%
37.0%	7,589	7,906	317	4.2%
38.3%	7,559	7,876	317	4.2%
39.5%	7,552	7,806	254	3.4%
40.7%	7,509	7,799	290	3.9%
42.0%	7,478	7,792	314	4.2%
43.2%	7,461	7,781	320	4.3%
44.4%	7,423	7,722	299	4.0%
45.7%	7,421	7,653	232	3.1%
46.9%	7,367	7,623	256	3.5%
48.1%	7,337	7,597	261	3.6%
49.4%	7,268	7,546	278	3.8%
50.6%	7,265	7,533	268	3.7%
51.9%	7,162	7,493	331	4.6%
53.1%	7,135	7,487	352	4.9%
54.3%	7,076	7,455	378	5.3%
55.6%	6,991	7,385	394	5.6%
56.8%	6,972	7,330	358	5.1%
58.0%	6,959	7,319	360	5.2%
59.3%	6,938	7,261	323	4.7%
60.5%	6,846	7,251	405	5.9%
61.7%	6,829	7,179	350	5.1%
63.0%	6,679	7,163	483	7.2%
64.2%	6,673	7,080	407	6.1%
65.4%	6,671	7,028	357	5.3%
66.7%	6,544	7,025	481	7.3%
67.9%	6,544	6,985	441	6.7%
69.1%	6,532	6,935	403	6.2%
70.4%	6,429	6,863	434	6.7%
71.6%	6,395	6,794	399	6.2%
72.8%	6,327	6,786	459	7.3%
74.1%	6,236	6,747	511	8.2%
75.3%	6,164	6,735	571	9.3%
76.5%	6,094	6,726	632	10.4%
77.8%	6,066	6,370	304	5.0%
79.0%	6,025	6,345	320	5.3%
80.2%	6,015	6,343	328	5.4%
81.5%	5,967	6,269	302	5.1%
82.7%	5,916	6,212	296	5.0%
84.0%	5,908	6,172	264	4.5%
85.2%	5,802	6,124	322	5.6%
86.4%	5,692	6,080	389	6.8%
87.7%	5,682	6,047	365	6.4%
88.9%	5,451	6,041	590	10.8%
90.1%	5,242	5,888	647	12.3%
91.4%	4,925	5,872	947	19.2%
92.6%	4,878	5,803	925	19.0%
93.8%	4,608	5,625	1,017	22.1%
95.1%	4,590	5,611	1,021	22.2%
96.3%	3,890	5,471	1,580	40.6%
97.5%	3,558	3,906	348	9.8%
98.8%	2,320	3,574	1,254	54.1%
100.0%	2,091	2,091	0	0.0%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,682	9,338	-344	-3.6%
1.2%	9,653	9,305	-349	-3.6%
2.5%	9,591	9,276	-315	-3.3%
3.7%	9,568	9,213	-355	-3.7%
4.9%	9,376	9,183	-193	-2.1%
6.2%	9,242	9,174	-68	-0.7%
7.4%	8,733	8,786	53	0.6%
8.6%	8,534	8,477	-57	-0.7%
9.9%	8,449	8,441	-8	-0.1%
11.1%	8,419	8,303	-116	-1.4%
12.3%	8,346	8,233	-113	-1.4%
13.6%	8,336	8,211	-125	-1.5%
14.8%	8,133	8,193	60	0.7%
16.0%	8,122	8,133	11	0.1%
17.3%	8,054	8,090	36	0.5%
18.5%	8,040	8,062	22	0.3%
19.8%	7,974	8,055	81	1.0%
21.0%	7,918	8,007	89	1.1%
22.2%	7,902	7,989	87	1.1%
23.5%	7,856	7,967	112	1.4%
24.7%	7,732	7,906	174	2.3%
25.9%	7,682	7,706	24	0.3%
27.2%	7,679	7,705	25	0.3%
28.4%	7,679	7,660	-19	-0.2%
29.6%	7,572	7,623	51	0.7%
30.9%	7,561	7,623	62	0.8%
32.1%	7,534	7,594	60	0.8%
33.3%	7,532	7,577	45	0.6%
34.6%	7,469	7,568	100	1.3%
35.8%	7,452	7,565	113	1.5%
37.0%	7,399	7,521	123	1.7%
38.3%	7,386	7,505	119	1.6%
39.5%	7,330	7,463	133	1.8%
40.7%	7,274	7,404	130	1.8%
42.0%	7,268	7,399	131	1.8%
43.2%	7,217	7,329	112	1.6%
44.4%	7,189	7,322	133	1.9%
45.7%	7,102	7,302	200	2.8%
46.9%	7,062	7,288	226	3.2%
48.1%	7,060	7,278	217	3.1%
49.4%	7,012	7,276	264	3.8%
50.6%	6,961	7,220	259	3.7%
51.9%	6,931	7,204	272	3.9%
53.1%	6,902	7,202	300	4.4%
54.3%	6,819	7,160	341	5.0%
55.6%	6,808	7,019	212	3.1%
56.8%	6,774	7,014	240	3.5%
58.0%	6,731	7,006	275	4.1%
59.3%	6,731	6,995	264	3.9%
60.5%	6,624	6,991	368	5.6%
61.7%	6,611	6,979	368	5.6%
63.0%	6,581	6,961	381	5.8%
64.2%	6,522	6,912	389	6.0%
65.4%	6,516	6,903	387	5.9%
66.7%	6,464	6,900	436	6.8%
67.9%	6,454	6,734	279	4.3%
69.1%	6,333	6,729	396	6.3%
70.4%	6,319	6,703	384	6.1%
71.6%	6,300	6,695	395	6.3%
72.8%	6,039	6,551	513	8.5%
74.1%	5,837	6,318	481	8.2%
75.3%	5,825	6,268	444	7.6%
76.5%	5,787	6,180	392	6.8%
77.8%	5,787	6,140	353	6.1%
79.0%	5,692	6,134	442	7.8%
80.2%	5,613	6,051	438	7.8%
81.5%	5,600	6,037	437	7.8%
82.7%	5,459	5,882	423	7.8%
84.0%	5,458	5,704	247	4.5%
85.2%	5,448	5,692	243	4.5%
86.4%	5,301	5,645	343	6.5%
87.7%	5,235	5,588	353	6.8%
88.9%	4,997	5,505	509	10.2%
90.1%	4,850	5,505	655	13.5%
91.4%	4,349	5,491	1,142	26.3%
92.6%	4,257	5,432	1,175	27.6%
93.8%	4,111	5,398	1,287	31.3%
95.1%	3,886	5,273	1,387	35.7%
96.3%	3,308	5,242	1,934	58.5%
97.5%	2,091	3,317	1,227	58.7%
98.8%	2,091	2,862	772	36.9%
100.0%	2,091	2,091	0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project End of Month Area (ACRE)	WSIP 2070 With Project End of Month Area (ACRE)	Absolute Difference (ACRE)	Relative Difference (%)
0.0%	9,034	8,790	-244	-2.7%
1.2%	8,816	8,788	-28	-0.3%
2.5%	8,690	8,714	25	0.3%
3.7%	8,615	8,691	75	0.9%
4.9%	8,615	8,660	45	0.5%
6.2%	8,377	8,495	119	1.4%
7.4%	8,233	8,360	127	1.5%
8.6%	8,173	8,192	18	0.2%
9.9%	8,078	8,004	-74	-0.9%
11.1%	7,929	7,942	13	0.2%
12.3%	7,890	7,835	-55	-0.7%
13.6%	7,876	7,737	-139	-1.8%
14.8%	7,707	7,714	8	0.1%
16.0%	7,680	7,675	-5	-0.1%
17.3%	7,618	7,618	1	0.0%
18.5%	7,606	7,584	-22	-0.3%
19.8%	7,571	7,484	-87	-1.1%
21.0%	7,540	7,476	-65	-0.9%
22.2%	7,390	7,455	65	0.9%
23.5%	7,341	7,453	113	1.5%
24.7%	7,320	7,449	128	1.8%
25.9%	7,311	7,402	91	1.2%
27.2%	7,279	7,379	100	1.4%
28.4%	7,248	7,336	88	1.2%
29.6%	7,209	7,333	124	1.7%
30.9%	7,173	7,311	138	1.9%
32.1%	7,133	7,244	111	1.6%
33.3%	7,105	7,225	120	1.7%
34.6%	7,073	7,124	51	0.7%
35.8%	7,072	7,122	50	0.7%
37.0%	7,037	7,110	73	1.0%
38.3%	7,027	7,107	81	1.1%
39.5%	6,976	7,078	102	1.5%
40.7%	6,879	7,064	185	2.7%
42.0%	6,853	7,049	196	2.9%
43.2%	6,826	6,999	173	2.5%
44.4%	6,811	6,990	179	2.6%
45.7%	6,806	6,947	140	2.1%
46.9%	6,798	6,902	104	1.5%
48.1%	6,728	6,890	162	2.4%
49.4%	6,683	6,872	189	2.8%
50.6%	6,640	6,855	215	3.2%
51.9%	6,634	6,834	200	3.0%
53.1%	6,627	6,827	200	3.0%
54.3%	6,578	6,823	245	3.7%
55.6%	6,541	6,796	256	3.9%
56.8%	6,514	6,772	258	4.0%
58.0%	6,458	6,663	206	3.2%
59.3%	6,366	6,644	278	4.4%
60.5%	6,294	6,636	341	5.4%
61.7%	6,282	6,618	335	5.3%
63.0%	6,198	6,535	337	5.4%
64.2%	6,194	6,410	215	3.5%
65.4%	6,084	6,374	290	4.8%
66.7%	6,052	6,360	308	5.1%
67.9%	5,773	6,288	515	8.9%
69.1%	5,720	6,238	518	9.1%
70.4%	5,692	6,224	533	9.4%
71.6%	5,652	6,137	485	8.6%
72.8%	5,644	6,112	468	8.3%
74.1%	5,629	6,107	477	8.5%
75.3%	5,623	6,050	427	7.6%
76.5%	5,601	6,005	404	7.2%
77.8%	5,565	5,850	284	5.1%
79.0%	5,558	5,785	227	4.1%
80.2%	5,554	5,777	223	4.0%
81.5%	5,531	5,711	180	3.3%
82.7%	5,513	5,656	143	2.6%
84.0%	5,472	5,643	171	3.1%
85.2%	5,391	5,589	198	3.7%
86.4%	5,253	5,485	232	4.4%
87.7%	5,022	5,402	380	7.6%
88.9%	4,945	5,395	450	9.1%
90.1%	4,399	5,312	913	20.8%
91.4%	4,310	5,247	937	21.7%
92.6%	3,942	5,100	1,158	29.4%
93.8%	3,569	5,077	1,507	42.2%
95.1%	3,348	5,055	1,707	51.0%
96.3%	2,594	3,675	1,082	41.7%
97.5%	2,460	3,620	1,160	47.1%
98.8%	2,091	2,271	180	8.6%
100.0%	2,091	2,091	0	0.0%

Figure SW-27-b
American River below Nimbus Reservoir, Monthly Flow
Probability of Exceedance

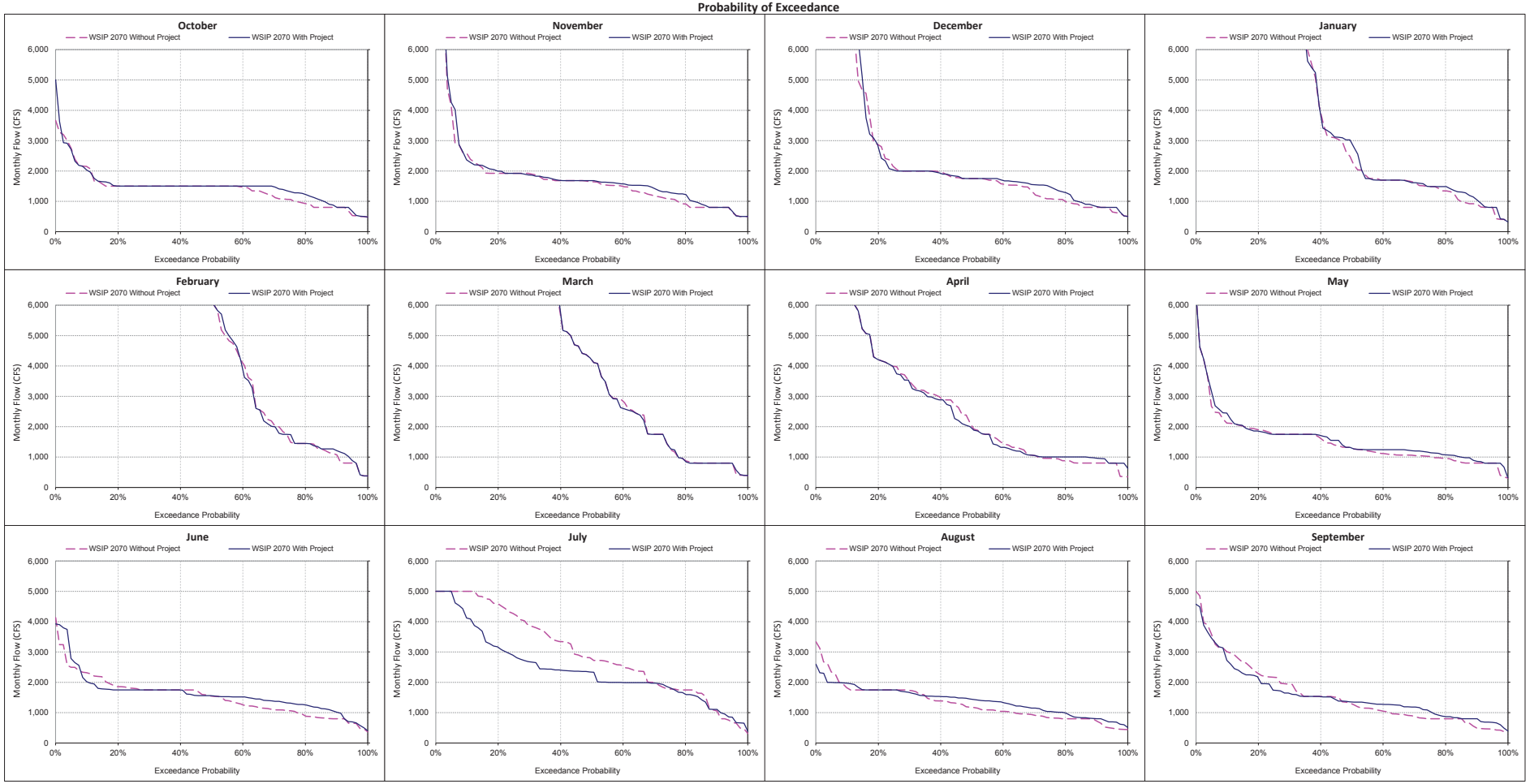


Table SW-27-b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,666	5,000	1,334	36.4%
1.2%	3,281	3,625	343	10.5%
2.5%	3,202	2,934	-268	-8.4%
3.7%	3,004	2,912	-92	-3.1%
4.9%	2,755	2,717	-37	-1.4%
6.2%	2,389	2,328	-61	-2.5%
7.4%	2,199	2,187	-12	-0.5%
8.6%	2,160	2,152	-8	-0.4%
9.9%	2,150	2,036	-115	-5.3%
11.1%	2,069	1,962	-107	-5.2%
12.3%	1,666	1,757	91	5.4%
13.6%	1,665	1,662	-4	-0.2%
14.8%	1,581	1,649	68	4.3%
16.0%	1,500	1,641	141	9.4%
17.3%	1,500	1,604	104	6.9%
18.5%	1,500	1,521	21	1.4%
19.8%	1,500	1,500	0	0.0%
21.0%	1,500	1,500	0	0.0%
22.2%	1,500	1,500	0	0.0%
23.5%	1,500	1,500	0	0.0%
24.7%	1,500	1,500	0	0.0%
25.9%	1,500	1,500	0	0.0%
27.2%	1,500	1,500	0	0.0%
28.4%	1,500	1,500	0	0.0%
29.6%	1,500	1,500	0	0.0%
30.9%	1,500	1,500	0	0.0%
32.1%	1,500	1,500	0	0.0%
33.3%	1,500	1,500	0	0.0%
34.6%	1,500	1,500	0	0.0%
35.8%	1,500	1,500	0	0.0%
37.0%	1,500	1,500	0	0.0%
38.3%	1,500	1,500	0	0.0%
39.5%	1,500	1,500	0	0.0%
40.7%	1,500	1,500	0	0.0%
42.0%	1,500	1,500	0	0.0%
43.2%	1,500	1,500	0	0.0%
44.4%	1,500	1,500	0	0.0%
45.7%	1,500	1,500	0	0.0%
46.9%	1,500	1,500	0	0.0%
48.1%	1,500	1,500	0	0.0%
49.4%	1,500	1,500	0	0.0%
50.6%	1,500	1,500	0	0.0%
51.9%	1,500	1,500	0	0.0%
53.1%	1,500	1,500	0	0.0%
54.3%	1,500	1,500	0	0.0%
55.6%	1,500	1,500	0	0.0%
56.8%	1,500	1,500	0	0.0%
58.0%	1,500	1,500	0	0.0%
59.3%	1,478	1,500	22	1.5%
60.5%	1,470	1,500	30	2.0%
61.7%	1,440	1,500	60	4.1%
63.0%	1,346	1,500	154	11.5%
64.2%	1,344	1,500	156	11.6%
65.4%	1,337	1,500	163	12.2%
66.7%	1,286	1,500	214	16.6%
67.9%	1,236	1,500	264	21.4%
69.1%	1,208	1,500	292	24.2%
70.4%	1,121	1,465	344	30.7%
71.6%	1,084	1,407	323	29.8%
72.8%	1,081	1,394	313	29.0%
74.1%	1,065	1,347	281	26.4%
75.3%	1,060	1,312	252	23.8%
76.5%	989	1,282	293	29.6%
77.8%	981	1,280	299	30.5%
79.0%	952	1,264	312	32.8%
80.2%	920	1,222	301	32.8%
81.5%	907	1,166	259	28.5%
82.7%	800	1,127	327	40.9%
84.0%	800	1,078	278	34.8%
85.2%	800	1,032	232	29.0%
86.4%	800	979	179	22.4%
87.7%	800	907	107	13.3%
88.9%	800	875	75	9.3%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	680	800	120	17.6%
95.1%	532	676	144	27.1%
96.3%	523	532	10	1.8%
97.5%	500	508	8	1.5%
98.8%	500	500	0	0.0%
100.0%	479	482	3	0.6%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,815	15,159	344	2.3%
1.2%	12,446	12,107	-339	-2.7%
2.5%	7,635	7,576	-59	-0.8%
3.7%	4,702	5,136	434	9.2%
4.9%	4,140	4,259	119	2.9%
6.2%	2,917	4,021	1,104	37.9%
7.4%	2,875	2,868	-7	-0.2%
8.6%	2,606	2,641	35	1.3%
9.9%	2,589	2,371	-217	-8.4%
11.1%	2,381	2,283	-99	-4.1%
12.3%	2,295	2,203	-91	-4.0%
13.6%	2,202	2,200	-2	-0.1%
14.8%	2,120	2,184	64	3.0%
16.0%	1,931	2,126	195	10.1%
17.3%	1,925	2,067	142	7.4%
18.5%	1,925	2,047	122	6.4%
19.8%	1,925	2,000	75	3.9%
21.0%	1,925	1,992	67	3.5%
22.2%	1,925	1,925	0	0.0%
23.5%	1,925	1,925	0	0.0%
24.7%	1,925	1,925	0	0.0%
25.9%	1,925	1,925	0	0.0%
27.2%	1,925	1,925	0	0.0%
28.4%	1,925	1,896	-29	-1.5%
29.6%	1,925	1,869	-56	-2.9%
30.9%	1,894	1,859	-35	-1.9%
32.1%	1,869	1,825	-45	-2.4%
33.3%	1,806	1,824	18	1.0%
34.6%	1,724	1,791	67	3.9%
35.8%	1,719	1,785	66	3.9%
37.0%	1,713	1,750	36	2.1%
38.3%	1,683	1,720	36	2.2%
39.5%	1,683	1,689	6	0.3%
40.7%	1,683	1,683	0	0.0%
42.0%	1,683	1,683	0	0.0%
43.2%	1,683	1,683	0	0.0%
44.4%	1,683	1,683	0	0.0%
45.7%	1,683	1,683	0	0.0%
46.9%	1,683	1,683	0	0.0%
48.1%	1,671	1,683	13	0.8%
49.4%	1,644	1,683	39	2.4%
50.6%	1,643	1,683	40	2.5%
51.9%	1,630	1,655	25	1.6%
53.1%	1,560	1,635	75	4.8%
54.3%	1,541	1,628	88	5.7%
55.6%	1,527	1,626	99	6.5%
56.8%	1,524	1,615	91	6.0%
58.0%	1,523	1,596	72	4.8%
59.3%	1,510	1,584	74	4.9%
60.5%	1,478	1,572	94	6.4%
61.7%	1,470	1,538	68	4.6%
63.0%	1,344	1,531	187	13.9%
64.2%	1,337	1,528	191	14.3%
65.4%	1,296	1,527	231	17.8%
66.7%	1,291	1,520	229	17.7%
67.9%	1,236	1,513	277	22.4%
69.1%	1,208	1,465	257	21.3%
70.4%	1,170	1,407	237	20.2%
71.6%	1,149	1,347	198	17.2%
72.8%	1,121	1,313	191	17.1%
74.1%	1,084	1,312	228	21.0%
75.3%	1,078	1,282	204	18.9%
76.5%	1,060	1,264	204	19.3%
77.8%	981	1,248	267	27.2%
79.0%	920	1,247	327	35.5%
80.2%	907	1,222	314	34.6%
81.5%	800	1,032	232	29.0%
82.7%	800	995	195	24.4%
84.0%	800	965	165	20.7%
85.2%	800	907	107	13.3%
86.4%	800	865	65	8.1%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	629	668	39	6.2%
96.3%	530	514	-16	-3.0%
97.5%	500	500	0	0.0%
98.8%	500	500	0	0.0%
100.0%	500	500	0	0.0%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	24,088	24,088	0	0.0%
1.2%	21,609	21,610	1	0.0%
2.5%	21,060	21,476	416	2.0%
3.7%	20,341	20,332	-9	0.0%
4.9%	20,144	20,174	30	0.1%
6.2%	19,342	19,338	-4	0.0%
7.4%	18,459	18,459	0	0.0%
8.6%	15,286	15,286	0	0.0%
9.9%	14,596	13,921	-675	-4.6%
11.1%	10,467	9,610	-857	-8.2%
12.3%	6,471	6,931	460	7.1%
13.6%	4,968	6,310	1,342	27.0%
14.8%	4,677	5,116	440	9.4%
16.0%	4,563	3,748	-815	-17.9%
17.3%	3,776	3,211	-564	-14.9%
18.5%	2,930	3,090	160	5.5%
19.8%	2,879	2,879	0	0.0%
21.0%	2,800	2,423	-378	-13.5%
22.2%	2,416	2,337	-79	-3.3%
23.5%	2,372	2,080	-292	-12.3%
24.7%	2,160	2,044	-116	-5.4%
25.9%	2,052	2,000	-52	-2.5%
27.2%	2,000	2,000	0	0.0%
28.4%	2,000	2,000	0	0.0%
29.6%	2,000	2,000	0	0.0%
30.9%	2,000	2,000	0	0.0%
32.1%	2,000	2,000	0	0.0%
33.3%	2,000	2,000	0	0.0%
34.6%	2,000	2,000	0	0.0%
35.8%	2,000	2,000	0	0.0%
37.0%	2,000	1,991	-9	-0.5%
38.3%	2,000	1,968	-32	-1.6%
39.5%	1,968	1,942	-26	-1.3%
40.7%	1,942	1,896	-47	-2.4%
42.0%	1,877	1,894	17	0.9%
43.2%	1,812	1,855	43	2.4%
44.4%	1,787	1,840	53	3.0%
45.7%	1,781	1,819	38	2.1%
46.9%	1,750	1,756	6	0.3%
48.1%	1,750	1,750	0	0.0%
49.4%	1,750	1,750	0	0.0%
50.6%	1,750	1,750	0	0.0%
51.9%	1,750	1,750	0	0.0%
53.1%	1,750	1,750	0	0.0%
54.3%	1,733	1,750	17	1.0%
55.6%	1,696	1,750	54	3.2%
56.8%	1,695	1,750	55	3.2%
58.0%	1,677	1,750	73	4.4%
59.3%	1,582	1,712	130	8.2%
60.5%	1,556	1,675	119	7.7%
61.7%	1,537	1,671	134	8.7%
63.0%	1,532	1,657	124	8.1%
64.2%	1,532	1,648	116	7.6%
65.4%	1,513	1,630	117	7.7%
66.7%	1,478	1,614	136	9.2%
67.9%	1,470	1,599	129	8.7%
69.1%	1,344	1,552	208	15.5%
70.4%	1,208	1,542	334	27.7%
71.6%	1,170	1,539	369	31.5%
72.8%	1,121	1,536	415	37.0%
74.1%	1,084	1,517	433	40.0%
75.3%	1,084	1,465	381	35.2%
76.5%	1,065	1,407	341	32.0%
77.8%	1,064	1,347	282	26.5%
79.0%	1,060	1,312	252	23.8%
80.2%	981	1,282	301	30.7%
81.5%	952	1,222	269	28.3%
82.7%	920	1,032	111	12.1%
84.0%	907	995	88	9.7%
85.2%	800	965	165	20.7%
86.4%	800	907	107	13.3%
87.7%	800	906	106	13.3%
88.9%	800	865	65	8.1%
90.1%	800	826	26	3.2%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	649	800	151	23.2%
96.3%	626	800	174	27.8%
97.5%	611	649	38	6.3%
98.8%	517	517	0	0.0%
100.0%	504	504	0	0.0%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,239	41,238	-1	0.0%
1.2%	30,032	30,027	-5	0.0%
2.5%	29,658	29,528	-131	-0.4%
3.7%	29,190	29,189	0	0.0%
4.9%	27,844	27,846	2	0.0%
6.2%	26,020	26,020	0	0.0%
7.4%	25,327	25,327	0	0.0%
8.6%	22,692	22,692	0	0.0%
9.9%	21,584	21,584	0	0.0%
11.1%	20,743	21,078	335	1.6%
12.3%	20,265	20,265	0	0.0%
13.6%	17,945	17,945	0	0.0%
14.8%	16,713	16,714	1	0.0%
16.0%	15,841	15,842	0	0.0%
17.3%	14,649	14,584	-65	-0.4%
18.5%	14,622	13,531	-1,091	-7.5%
19.8%	13,518	13,509	-9	-0.1%
21.0%	12,894	12,758	-136	-1.1%
22.2%	11,767	11,763	-4	0.0%
23.5%	10,141	10,141	0	0.0%
24.7%	10,023	10,030	7	0.1%
25.9%	9,978	9,978	0	0.0%
27.2%	9,385	9,385	0	0.0%
28.4%	9,186	9,186	0	0.0%
29.6%	8,450	8,452	1	0.0%
30.9%	8,369	8,369	0	0.0%
32.1%	7,214	7,214	0	0.0%
33.3%	7,014	7,014	0	0.0%
34.6%	6,580	6,721	142	2.2%
35.8%	5,979	5,618	-361	-6.0%
37.0%	5,537	5,414	-124	-2.2%
38.3%	5,083	5,246	163	3.2%
39.5%	4,138	4,122	-17	-0.4%
40.7%	3,593	3,413	-179	-5.0%
42.0%	3,177	3,341	164	5.2%
43.2%	3,117	3,260	143	4.6%
44.4%	3,099	3,119	21	0.7%
45.7%	3,039	3,111	72	2.4%
46.9%	2,971	3,099	128	4.3%
48.1%	2,634	3,028	394	15.0%
49.4%	2,481	3,025	545	22.0%
50.6%	2,199	2,789	590	26.8%
51.9%	2,037	2,556	519	25.5%
53.1%	2,032	2,037	5	0.2%
54.3%	1,863	1,750	-113	-6.1%
55.6%	1,750	1,750	0	0.0%
56.8%	1,750	1,712	-38	-2.2%
58.0%	1,750	1,700	-50	-2.9%
59.3%	1,700	1,700	0	0.0%
60.5%	1,700	1,700	0	0.0%
61.7%	1,700	1,700	0	0.0%
63.0%	1,700	1,700	0	0.0%
64.2%	1,700	1,700	0	0.0%
65.4%	1,700	1,700	0	0.0%
66.7%	1,700	1,692	-8	-0.5%
67.9%	1,673	1,657	-16	-1.0%
69.1%	1,651	1,611	-40	-2.4%
70.4%	1,602	1,610	8	0.5%
71.6%	1,519	1,596	77	5.1%
72.8%	1,514	1,577	63	4.2%
74.1%	1,488	1,492	5	0.3%
75.3%	1,488	1,488	0	0.0%
76.5%	1,488	1,488	0	0.0%
77.8%	1,425	1,488	62	4.4%
79.0%	1,345	1,488	143	10.6%
80.2%	1,344	1,488	144	10.7%
81.5%	1,322	1,421	98	7.4%
82.7%	1,256	1,359	103	8.2%
84.0%	1,060	1,311	251	23.7%
85.2%	977	1,308	331	33.8%
86.4%	953	1,282	329	34.5%
87.7%	921	1,196	274	29.8%
88.9%	920	1,145	224	24.4%
90.1%	905	1,038	133	14.7%
91.4%	810	941	131	16.2%
92.6%	800	821	21	2.6%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	426	800	374	87.8%
97.5%	405	426	21	5.1%
98.8%	403	405	2	0.6%
100.0%	323	323	0	

Table SW-27-b

American River below Nimbus Reservoir, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,284	42,285	1	0.0%
1.2%	32,838	32,832	-6	0.0%
2.5%	32,535	32,535	0	0.0%
3.7%	23,272	23,272	0	0.0%
4.9%	22,795	22,796	0	0.0%
6.2%	22,260	22,256	-5	0.0%
7.4%	21,383	21,383	0	0.0%
8.6%	21,104	21,103	-1	0.0%
9.9%	20,630	20,630	0	0.0%
11.1%	20,457	20,457	0	0.0%
12.3%	20,425	20,425	0	0.0%
13.6%	20,076	19,921	-155	-0.8%
14.8%	19,921	19,809	-112	-0.6%
16.0%	18,989	18,989	0	0.0%
17.3%	18,019	18,019	0	0.0%
18.5%	17,834	17,880	46	0.3%
19.8%	16,612	16,612	0	0.0%
21.0%	16,454	16,454	0	0.0%
22.2%	14,866	14,866	0	0.0%
23.5%	14,615	14,615	0	0.0%
24.7%	14,430	14,430	0	0.0%
25.9%	12,752	12,750	-2	0.0%
27.2%	12,750	12,559	-191	-1.5%
28.4%	12,559	12,456	-103	-0.8%
29.6%	11,929	11,929	0	0.0%
30.9%	10,728	10,728	0	0.0%
32.1%	10,233	9,724	-508	-5.0%
33.3%	9,660	9,661	0	0.0%
34.6%	9,126	9,245	119	1.3%
35.8%	8,661	8,663	2	0.0%
37.0%	7,937	8,403	466	5.9%
38.3%	7,924	7,925	1	0.0%
39.5%	7,903	7,676	-227	-2.9%
40.7%	7,677	7,654	-22	-0.3%
42.0%	7,642	7,642	1	0.0%
43.2%	7,342	7,337	-5	-0.1%
44.4%	6,901	6,901	0	0.0%
45.7%	6,802	6,802	0	0.0%
46.9%	6,674	6,673	0	0.0%
48.1%	6,411	6,412	1	0.0%
49.4%	6,361	6,361	0	0.0%
50.6%	6,022	6,022	0	0.0%
51.9%	5,833	5,833	0	0.0%
53.1%	5,188	5,711	522	10.1%
54.3%	5,000	5,188	188	3.8%
55.6%	4,830	5,000	170	3.5%
56.8%	4,746	4,830	85	1.8%
58.0%	4,500	4,641	141	3.1%
59.3%	4,205	4,205	0	0.0%
60.5%	4,015	3,619	-396	-9.9%
61.7%	3,619	3,518	-101	-2.8%
63.0%	3,518	3,290	-228	-6.5%
64.2%	2,608	2,605	-3	-0.1%
65.4%	2,550	2,551	1	0.0%
66.7%	2,458	2,188	-270	-11.0%
67.9%	2,241	2,096	-146	-6.5%
69.1%	2,189	2,010	-179	-8.2%
70.4%	2,010	1,995	-16	-0.8%
71.6%	1,995	1,782	-212	-10.7%
72.8%	1,835	1,750	-85	-4.6%
74.1%	1,750	1,750	0	0.0%
75.3%	1,488	1,736	248	16.7%
76.5%	1,445	1,445	0	0.0%
77.8%	1,445	1,445	0	0.0%
79.0%	1,445	1,445	0	0.0%
80.2%	1,445	1,445	0	0.0%
81.5%	1,445	1,438	-7	-0.5%
82.7%	1,422	1,370	-52	-3.7%
84.0%	1,287	1,340	54	4.2%
85.2%	1,264	1,264	0	0.0%
86.4%	1,212	1,264	53	4.4%
87.7%	1,143	1,264	122	10.6%
88.9%	1,124	1,264	141	12.5%
90.1%	1,068	1,208	140	13.1%
91.4%	810	1,155	345	42.6%
92.6%	800	1,112	312	39.0%
93.8%	800	1,016	216	27.0%
95.1%	800	883	83	10.3%
96.3%	800	800	0	0.0%
97.5%	411	411	0	
98.8%	377	378	1	
100.0%	375	375	0	

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,652	25,652	0	0.0%
1.2%	24,740	24,740	0	0.0%
2.5%	21,515	21,510	-5	0.0%
3.7%	17,525	17,525	0	0.0%
4.9%	17,249	17,249	0	0.0%
6.2%	16,753	16,753	0	0.0%
7.4%	15,782	15,782	0	0.0%
8.6%	14,719	14,719	0	0.0%
9.9%	12,936	12,936	0	0.0%
11.1%	11,172	11,172	0	0.0%
12.3%	10,766	10,766	0	0.0%
13.6%	10,582	10,581	-1	0.0%
14.8%	10,491	10,488	-3	0.0%
16.0%	10,215	10,215	0	0.0%
17.3%	10,039	10,038	-1	0.0%
18.5%	9,847	9,847	0	0.0%
19.8%	9,011	9,013	2	0.0%
21.0%	8,646	8,646	0	0.0%
22.2%	8,519	8,519	0	0.0%
23.5%	8,473	8,473	0	0.0%
24.7%	8,461	8,461	0	0.0%
25.9%	8,415	8,415	0	0.0%
27.2%	8,073	7,974	-99	-1.2%
28.4%	7,979	7,970	-9	-0.1%
29.6%	7,749	7,755	6	0.1%
30.9%	6,691	6,690	-1	0.0%
32.1%	6,565	6,565	0	0.0%
33.3%	6,529	6,529	0	0.0%
34.6%	6,499	6,499	0	0.0%
35.8%	6,378	6,378	0	0.0%
37.0%	6,215	6,214	-2	0.0%
38.3%	6,188	6,188	0	0.0%
39.5%	5,968	6,127	159	2.7%
40.7%	5,166	5,166	0	0.0%
42.0%	5,130	5,130	0	0.0%
43.2%	5,000	5,000	0	0.0%
44.4%	4,695	4,695	0	0.0%
45.7%	4,657	4,657	0	0.0%
46.9%	4,417	4,417	0	0.0%
48.1%	4,377	4,378	1	0.0%
49.4%	4,268	4,268	0	0.0%
50.6%	4,113	4,113	-1	0.0%
51.9%	4,082	4,082	0	0.0%
53.1%	3,646	3,646	0	0.0%
54.3%	3,480	3,480	0	0.0%
55.6%	3,064	3,064	0	0.0%
56.8%	2,942	2,922	-20	-0.7%
58.0%	2,923	2,906	-17	-0.6%
59.3%	2,906	2,628	-278	-9.6%
60.5%	2,790	2,587	-204	-7.3%
61.7%	2,584	2,539	-45	-1.7%
63.0%	2,539	2,508	-31	-1.2%
64.2%	2,442	2,442	0	0.0%
65.4%	2,390	2,383	-7	-0.3%
66.7%	2,383	2,209	-175	-7.3%
67.9%	1,760	1,761	1	0.0%
69.1%	1,750	1,750	0	0.0%
70.4%	1,750	1,750	0	0.0%
71.6%	1,750	1,750	0	0.0%
72.8%	1,750	1,750	0	0.0%
74.1%	1,445	1,446	2	0.1%
75.3%	1,232	1,264	32	2.6%
76.5%	1,169	1,232	63	5.4%
77.8%	977	977	0	0.0%
79.0%	957	957	0	0.0%
80.2%	870	838	-33	-3.8%
81.5%	838	800	-38	-4.5%
82.7%	812	800	-12	-1.5%
84.0%	800	800	0	0.0%
85.2%	800	800	0	0.0%
86.4%	800	800	0	0.0%
87.7%	800	800	0	0.0%
88.9%	800	800	0	0.0%
90.1%	800	800	0	0.0%
91.4%	800	800	0	0.0%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	423	562	139	33.0%
97.5%	401	423	21	5.4%
98.8%	396	396	0	0.0%
100.0%	391	392	1	0.2%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	21,023	21,018	-5	0.0%
1.2%	19,755	19,755	0	0.0%
2.5%	12,166	12,166	0	0.0%
3.7%	11,269	11,265	-4	0.0%
4.9%	11,157	11,157	0	0.0%
6.2%	7,925	7,925	0	0.0%
7.4%	7,079	7,079	0	0.0%
8.6%	6,549	6,549	0	0.0%
9.9%	6,392	6,392	0	0.0%
11.1%	6,390	6,390	0	0.0%
12.3%	6,021	6,021	0	0.0%
13.6%	5,824	5,816	-8	-0.1%
14.8%	5,227	5,227	0	0.0%
16.0%	5,068	5,068	0	0.0%
17.3%	5,046	5,046	-1	0.0%
18.5%	4,305	4,296	-10	-0.2%
19.8%	4,219	4,219	0	0.0%
21.0%	4,172	4,172	0	0.0%
22.2%	4,127	4,128	1	0.0%
23.5%	4,049	4,060	11	0.3%
24.7%	3,988	3,988	0	0.0%
25.9%	3,978	3,743	-236	-5.9%
27.2%	3,743	3,706	-37	-1.0%
28.4%	3,707	3,534	-173	-4.7%
29.6%	3,534	3,533	-1	0.0%
30.9%	3,394	3,255	-139	-4.1%
32.1%	3,255	3,198	-57	-1.7%
33.3%	3,209	3,175	-34	-1.1%
34.6%	3,198	3,113	-85	-2.7%
35.8%	3,113	2,989	-124	-4.0%
37.0%	3,091	2,977	-114	-3.7%
38.3%	3,047	2,920	-127	-4.2%
39.5%	2,990	2,885	-105	-3.5%
40.7%	2,885	2,883	-2	-0.1%
42.0%	2,883	2,728	-155	-5.4%
43.2%	2,882	2,690	-191	-6.6%
44.4%	2,727	2,270	-456	-16.7%
45.7%	2,632	2,200	-433	-16.4%
46.9%	2,386	2,099	-287	-12.0%
48.1%	2,385	2,049	-336	-14.1%
49.4%	2,128	2,007	-121	-5.7%
50.6%	1,919	1,887	-32	-1.7%
51.9%	1,882	1,856	-26	-1.4%
53.1%	1,765	1,768	3	0.2%
54.3%	1,750	1,750	0	0.0%
55.6%	1,750	1,750	0	0.0%
56.8%	1,673	1,426	-247	-14.8%
58.0%	1,596	1,392	-205	-12.8%
59.3%	1,493	1,318	-175	-11.7%
60.5%	1,426	1,317	-109	-7.6%
61.7%	1,392	1,281	-111	-8.0%
63.0%	1,318	1,233	-85	-6.5%
64.2%	1,317	1,201	-116	-8.8%
65.4%	1,279	1,186	-93	-7.3%
66.7%	1,234	1,110	-125	-10.1%
67.9%	1,067	1,067	0	0.0%
69.1%	1,064	1,064	0	0.0%
70.4%	1,044	1,044	0	0.0%
71.6%	977	1,008	32	3.2%
72.8%	961	1,000	39	4.1%
74.1%	957	1,000	43	4.4%
75.3%	957	1,000	43	4.5%
76.5%	951	1,000	49	5.1%
77.8%	939	1,000	61	6.5%
79.0%	880	1,000	120	13.6%
80.2%	874	1,000	126	14.4%
81.5%	868	1,000	132	15.2%
82.7%	808	1,000	192	23.7%
84.0%	800	1,000	200	25.0%
85.2%	800	1,000	200	25.0%
86.4%	800	1,000	200	25.0%
87.7%	800	985	185	23.2%
88.9%	800	977	177	22.1%
90.1%	800	957	157	19.6%
91.4%	800	948	148	18.5%
92.6%	800	946	146	18.2%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	360	800	440	122.1%
98.8%	353	800	447	126.7%
100.0%	348	628	280	80.3%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,421	6,421	0	0.0%
1.2%	4,621	4,621	0	0.0%
2.5%	4,216	4,216	0	0.0%
3.7%	3,656	3,656	0	0.0%
4.9%	2,675	3,193	518	19.4%
6.2%	2,476	2,689	214	8.6%
7.4%	2,458	2,579	121	4.9%
8.6%	2,252	2,458	207	9.2%
9.9%	2,118	2,444	327	15.4%
11.1%	2,112	2,245	133	6.3%
12.3%	2,086	2,102	16	0.8%
13.6%	2,053	2,064	11	0.5%
14.8%	2,025	2,046	21	1.0%
16.0%	1,979	1,946	-33	-1.7%
17.3%	1,948	1,900	-47	-2.4%
18.5%	1,937	1,859	-77	-4.0%
19.8%	1,902	1,856	-47	-2.5%
21.0%	1,901	1,834	-67	-3.5%
22.2%	1,859	1,811	-48	-2.6%
23.5%	1,814	1,768	-47	-2.6%
24.7%	1,750	1,750	0	0.0%
25.9%	1,750	1,750	0	0.0%
27.2%	1,750	1,750	0	0.0%
28.4%	1,750	1,750	0	0.0%
29.6%	1,750	1,750	0	0.0%
30.9%	1,750	1,750	0	0.0%
32.1%	1,750	1,750	0	0.0%
33.3%	1,750	1,750	0	0.0%
34.6%	1,750	1,750	0	0.0%
35.8%	1,750	1,750	0	0.0%
37.0%	1,750	1,750	0	0.0%
38.3%	1,727	1,745	18	1.0%
39.5%	1,652	1,725	73	4.4%
40.7%	1,553	1,683	130	8.4%
42.0%	1,464	1,659	195	13.4%
43.2%	1,456	1,553	97	6.6%
44.4%	1,392	1,550	158	11.4%
45.7%	1,378	1,547	169	12.3%
46.9%	1,326	1,392	66	5.0%
48.1%	1,318	1,318	0	0.0%
49.4%	1,317	1,317	0	0.0%
50.6%	1,264	1,264	1	0.1%
51.9%	1,253	1,248	-5	-0.4%
53.1%	1,239	1,246	7	0.5%
54.3%	1,210	1,245	35	2.9%
55.6%	1,194	1,245	51	4.3%
56.8%	1,170	1,245	75	6.4%
58.0%	1,148	1,245	97	8.5%
59.3%	1,120	1,245	125	11.2%
60.5%	1,110	1,245	135	12.2%
61.7%	1,090	1,245	155	14.2%
63.0%	1,089	1,245	156	14.3%
64.2%	1,067	1,245	178	16.7%
65.4%	1,065	1,245	180	16.9%
66.7%	1,064	1,245	181	17.0%
67.9%	1,063	1,225	162	15.3%
69.1%	1,062	1,206	144	13.5%
70.4%	1,044	1,201	157	15.0%
71.6%	1,044	1,196	152	14.6%
72.8%	1,036	1,183	148	14.3%
74.1%	1,024	1,160	137	13.4%
75.3%	1,019	1,138	119	11.7%
76.5%	977	1,131	154	15.8%
77.8%	976	1,123	147	15.0%
79.0%	961	1,075	114	11.9%
80.2%	957	1,073	116	12.1%
81.5%	939	1,061	123	13.1%
82.7%	880	1,051	170	19.4%
84.0%	868	1,017	148	17.1%
85.2%	819	994	175	21.4%
86.4%	800	977	177	22.1%
87.7%	800	973	173	21.6%
88.9%	800	887	87	10.9%
90.1%	800	854	54	6.8%
91.4%	800	851	51	6.4%
92.6%	800	800	0	0.0%
93.8%	800	800	0	0.0%
95.1%	800	800	0	0.0%
96.3%	800	800	0	0.0%
97.5%	396	800	404	102.0%
98.8%	347	665	318	91.7%
100.0%	305	321	15	5.1%

Table SW-27-b

American River below Nimbus Reservoir, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,133	3,927	-206	-5.0%
1.2%	3,243	3,896	653	20.1%
2.5%	3,241	3,794	553	17.1%
3.7%	2,561	3,744	1,183	46.2%
4.9%	2,496	2,783	286	11.5%
6.2%	2,492	2,652	160	6.4%
7.4%	2,390	2,566	176	7.3%
8.6%	2,334	2,157	-176	-7.6%
9.9%	2,319	2,024	-295	-12.7%
11.1%	2,284	1,975	-309	-13.5%
12.3%	2,208	1,951	-258	-11.7%
13.6%	2,195	1,805	-390	-17.8%
14.8%	2,185	1,784	-400	-18.3%
16.0%	2,019	1,777	-241	-11.9%
17.3%	1,957	1,769	-188	-9.6%
18.5%	1,901	1,750	-151	-7.9%
19.8%	1,856	1,750	-106	-5.7%
21.0%	1,856	1,750	-106	-5.7%
22.2%	1,846	1,750	-96	-5.2%
23.5%	1,809	1,750	-59	-3.3%
24.7%	1,805	1,750	-55	-3.1%
25.9%	1,790	1,750	-40	-2.2%
27.2%	1,750	1,750	0	0.0%
28.4%	1,750	1,750	0	0.0%
29.6%	1,750	1,750	0	0.0%
30.9%	1,750	1,750	0	0.0%
32.1%	1,750	1,750	0	0.0%
33.3%	1,750	1,750	0	0.0%
34.6%	1,750	1,750	0	0.0%
35.8%	1,750	1,750	0	0.0%
37.0%	1,750	1,750	0	0.0%
38.3%	1,750	1,750	0	0.0%
39.5%	1,750	1,750	0	0.0%
40.7%	1,750	1,741	-9	-0.5%
42.0%	1,750	1,615	-135	-7.7%
43.2%	1,750	1,600	-150	-8.6%
44.4%	1,750	1,568	-182	-10.4%
45.7%	1,692	1,564	-129	-7.6%
46.9%	1,600	1,562	-38	-2.4%
48.1%	1,588	1,561	-27	-1.7%
49.4%	1,553	1,559	6	0.4%
50.6%	1,539	1,553	14	0.9%
51.9%	1,537	1,536	-1	-0.1%
53.1%	1,511	1,532	21	1.4%
54.3%	1,403	1,528	124	8.9%
55.6%	1,392	1,526	134	9.7%
56.8%	1,354	1,522	169	12.5%
58.0%	1,318	1,522	204	15.4%
59.3%	1,287	1,520	233	18.1%
60.5%	1,240	1,520	280	22.6%
61.7%	1,222	1,491	269	22.0%
63.0%	1,217	1,472	254	20.9%
64.2%	1,194	1,452	257	21.6%
65.4%	1,158	1,448	290	25.0%
66.7%	1,148	1,404	256	22.3%
67.9%	1,136	1,402	266	23.4%
69.1%	1,110	1,392	282	25.4%
70.4%	1,092	1,376	285	26.1%
71.6%	1,090	1,373	283	25.9%
72.8%	1,089	1,347	257	23.6%
74.1%	1,067	1,319	252	23.6%
75.3%	1,063	1,317	254	23.9%
76.5%	1,044	1,284	239	22.9%
77.8%	977	1,270	293	30.0%
79.0%	951	1,268	317	33.3%
80.2%	880	1,257	377	42.8%
81.5%	874	1,221	347	39.7%
82.7%	868	1,186	317	36.6%
84.0%	839	1,173	334	39.8%
85.2%	828	1,136	308	37.2%
86.4%	821	1,127	306	37.2%
87.7%	806	1,097	291	36.1%
88.9%	800	1,056	256	32.0%
90.1%	800	1,010	210	26.2%
91.4%	800	977	177	22.1%
92.6%	800	791	-9	-1.2%
93.8%	653	703	50	7.7%
95.1%	652	694	41	6.4%
96.3%	646	664	18	2.8%
97.5%	481	581	100	20.8%
98.8%	466	496	30	6.5%
100.0%	368	408	40	10.9%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,000	5,000	0	0.0%
1.2%	5,000	5,000	0	0.0%
2.5%	5,000	5,000	0	0.0%
3.7%	5,000	5,000	0	0.0%
4.9%	5,000	5,000	0	0.0%
6.2%	5,000	4,620	-380	-7.6%
7.4%	5,000	4,533	-467	-9.3%
8.6%	5,000	4,427	-573	-11.5%
9.9%	5,000	4,121	-879	-17.6%
11.1%	5,000	4,085	-915	-18.3%
12.3%	5,000	3,874	-1,126	-22.5%
13.6%	4,844	3,798	-1,046	-21.6%
14.8%	4,826	3,687	-1,139	-23.6%
16.0%	4,754	3,332	-1,422	-29.9%
17.3%	4,734	3,278	-1,457	-30.8%
18.5%	4,606	3,197	-1,409	-30.6%
19.8%	4,604	3,167	-1,437	-31.2%
21.0%	4,518	3,079	-1,438	-31.8%
22.2%	4,436	3,020	-1,416	-31.9%
23.5%	4,326	2,955	-1,371	-31.7%
24.7%	4,272	2,898	-1,375	-32.2%
25.9%	4,198	2,812	-1,386	-33.0%
27.2%	4,064	2,758	-1,306	-32.1%
28.4%	4,030	2,715	-1,315	-32.6%
29.6%	3,879	2,680	-1,199	-30.9%
30.9%	3,842	2,670	-1,172	-30.5%
32.1%	3,798	2,645	-1,152	-30.3%
33.3%	3,745	2,445	-1,301	-34.7%
34.6%	3,692	2,443	-1,249	-33.8%
35.8%	3,564	2,432	-1,132	-31.8%
37.0%	3,437	2,432	-1,005	-29.2%
38.3%	3,381	2,408	-973	-28.8%
39.5%	3,346	2,407	-939	-28.1%
40.7%	3,339	2,395	-945	-28.3%
42.0%	3,328	2,380	-948	-28.5%
43.2%	3,265	2,375	-889	-27.2%
44.4%	2,930	2,366	-564	-19.2%
45.7%	2,901	2,364	-537	-18.5%
46.9%	2,844	2,362	-482	-17.0%
48.1%	2,819	2,361	-458	-16.3%
49.4%	2,814	2,343	-471	-16.7%
50.6%	2,723	2,330	-393	-14.4%
51.9%	2,723	2,014	-709	-26.0%
53.1%	2,721	2,003	-717	-26.4%
54.3%	2,703	2,003	-701	-25.9%
55.6%	2,667	1,997	-670	-25.1%
56.8%	2,625	1,995	-630	-24.0%
58.0%	2,582	1,995	-587	-22.7%
59.3%	2,572	1,995	-577	-22.4%
60.5%	2,484	1,993	-491	-19.8%
61.7%	2,468	1,992	-476	-19.3%
63.0%	2,421	1,991	-430	-17.7%
64.2%	2,371	1,991	-379	-16.0%
65.4%	2,365	1,991	-374	-15.8%
66.7%	2,358	1,990	-368	-15.6%
67.9%	2,007	1,990	-17	-0.9%
69.1%	2,002	1,975	-27	-1.3%
70.4%	1,996	1,970	-26	-1.3%
71.6%	1,897	1,953	56	3.0%
72.8%	1,837	1,927	90	4.9%
74.1%	1,788	1,863	75	4.2%
75.3%	1,778	1,812	34	1.9%
76.5%	1,777	1,752	-25	-1.4%
77.8%	1,750	1,669	-81	-4.6%
79.0%	1,750	1,662	-88	-5.0%
80.2%	1,750	1,598	-152	-8.7%
81.5%	1,750	1,596	-154	-8.8%
82.7%	1,750	1,574	-176	-10.1%
84.0%	1,644	1,524	-120	-7.3%
85.2%	1,637	1,428	-210	-12.8%
86.4%	1,538	1,351	-188	-12.2%
87.7%	1,147	1,119	-28	-2.5%
88.9%	1,090	1,111	20	1.8%
90.1%	1,057	1,104	48	4.5%
91.4%	800	999	199	24.9%
92.6%	800	950	150	18.7%
93.8%	757	864	106	14.0%
95.1%	677	849	172	25.4%
96.3%	652	673	21	3.2%
97.5%	493	666	173	35.1%
98.8%	466	656	190	40.8%
100.0%	314	381	67	21.3%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,339	2,598	-741	-22.2%
1.2%	3,125	2,318	-807	-25.8%
2.5%	2,672	2,302	-370	-13.9%
3.7%	2,621	2,001	-620	-23.7%
4.9%	2,340	1,998	-343	-14.6%
6.2%	2,282	1,990	-292	-12.8%
7.4%	2,009	1,987	-22	-1.1%
8.6%	1,952	1,980	29	1.5%
9.9%	1,823	1,969	147	8.0%
11.1%	1,750	1,952	202	11.5%
12.3%	1,750	1,931	181	10.3%
13.6%	1,750	1,833	83	4.7%
14.8%	1,750	1,757	7	0.4%
16.0%	1,750	1,750	0	0.0%
17.3%	1,750	1,750	0	0.0%
18.5%	1,750	1,750	0	0.0%
19.8%	1,750	1,750	0	0.0%
21.0%	1,750	1,750	0	0.0%
22.2%	1,750	1,750	0	0.0%
23.5%	1,750	1,750	0	0.0%
24.7%	1,750	1,750	0	0.0%
25.9%	1,750	1,750	0	0.0%
27.2%	1,750	1,703	-47	-2.7%
28.4%	1,750	1,693	-57	-3.2%
29.6%	1,739	1,671	-68	-3.9%
30.9%	1,721	1,634	-87	-5.0%
32.1%	1,691	1,610	-81	-4.8%
33.3%	1,600	1,570	-30	-1.9%
34.6%	1,595	1,559	-36	-2.3%
35.8%	1,471	1,547	76	5.2%
37.0%	1,434	1,546	111	7.8%
38.3%	1,392	1,539	147	10.5%
39.5%	1,386	1,535	149	10.8%
40.7%	1,384	1,530	146	10.6%
42.0%	1,370	1,524	153	11.2%
43.2%	1,328	1,508	180	13.6%
44.4%	1,318	1,507	189	14.3%
45.7%	1,295	1,482	187	14.5%
46.9%	1,275	1,481	206	16.1%
48.1%	1,194	1,478	284	23.8%
49.4%	1,178	1,446	268	22.8%
50.6%	1,170	1,432	262	22.4%
51.9%	1,148	1,420	272	23.7%
53.1%	1,098	1,396	297	27.1%
54.3%	1,092	1,392	300	27.5%
55.6%	1,090	1,390	299	27.4%
56.8%	1,089	1,371	281	25.8%
58.0%	1,063	1,368	305	28.7%
59.3%	1,044	1,353	309	29.6%
60.5%	1,044	1,320	276	26.5%
61.7%	1,033	1,294	262	25.3%
63.0%	1,019	1,261	242	23.8%
64.2%	977	1,223	246	25.2%
65.4%	961	1,215	255	26.5%
66.7%	957	1,194	237	24.8%
67.9%	951	1,177	226	23.7%
69.1%	939	1,152	213	22.7%
70.4%	911	1,151	240	26.3%
71.6%	899	1,132	233	25.9%
72.8%	880	1,075	194	22.1%
74.1%	838	1,042	204	24.4%
75.3%	828	1,038	210	25.4%
76.5%	821	1,020	199	24.2%
77.8%	819	1,015	195	23.8%
79.0%	800	1,010	210	26.3%
80.2%	800	977	177	22.1%
81.5%	800	909	109	13.6%
82.7%	800	858	58	7.2%
84.0%	800	845	45	5.7%
85.2%	800	838	38	4.7%
86.4%	800	832	32	4.0%
87.7%	800	821	21	2.6%
88.9%	792	809	17	2.2%
90.1%	719	800	81	11.3%
91.4%	652	800	148	22.7%
92.6%	525	749	224	42.7%
93.8%	506	696	190	37.6%
95.1%	487	695	208	42.6%
96.3%	466	687	221	47.5%
97.5%	453	617	164	36.1%
98.8%	449	603	155	34.5%
100.0%	443	509	66	14.9%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,000	4,574	-426	-8.5%
1.2%	4,851	4,492	-359	-7.4%
2.5%	3,967	3,879	-87	-2.2%
3.7%	3,897	3,656	-241	-6.2%
4.9%	3,589	3,474	-115	-3.2%
6.2%	3,250	3,311	60	1.9%
7.4%	3,137	3,173	37	1.2%
8.6%	3,133	3,135	2	0.1%
9.9%	3,010	2,726	-284	-9.4%
11.1%	2,965	2,594	-371	-12.5%
12.3%	2,902	2,448	-454	-15.6%
13.6%	2,785	2,405	-380	-13.6%
14.8%	2,673	2,302	-370	-13.8%
16.0%	2,636	2,250	-386	-14.7%
17.3%	2,522	2,250	-272	-10.8%
18.5%	2,397	2,232	-165	-6.9%
19.8%	2,306	2,184	-122	-5.3%
21.0%	2,223	1,956	-267	-12.0%
22.2%	2,195	1,951	-244	-11.1%
23.5%	2,179	1,945	-233	-10.7%
24.7%	2,167	1,744	-424	-19.5%
25.9%	2,160	1,737	-424	-19.6%
27.2%	1,968	1,716	-252	-12.8%
28.4%	1,953	1,650	-303	-15.5%
29.6%	1,940	1,650	-290	-14.9%
30.9%	1,931	1,602	-329	-17.1%
32.1%	1,712	1,593	-120	-7.0%
33.3%	1,654	1,546	-108	-6.5%
34.6%	1,535	1,533	-2	-0.1%
35.8%	1,533	1,533	0	0.0%
37.0%	1,533	1,533	0	0.0%
38.3%	1,533	1,533	0	0.0%
39.5%	1,533	1,533	0	0.0%
40.7%	1,533	1,520	-13	-0.9%
42.0%	1,533	1,518	-15	-1.0%
43.2%	1,533	1,515	-18	-1.2%
44.4%	1,510	1,448	-62	-4.1%
45.7%	1,507	1,383	-124	-8.2%
46.9%	1,357	1,379	21	1.6%
48.1%	1,346	1,371	25	1.9%
49.4%	1,317	1,353	36	2.7%
50.6%	1,261	1,348	87	6.9%
51.9%	1,197	1,346	149	12.5%
53.1%	1,151	1,345	194	16.9%
54.3%	1,149	1,333	184	16.0%
55.6%	1,148	1,317	169	14.7%
56.8%	1,124	1,300	176	15.6%
58.0%	1,089	1,281	192	17.6%
59.3%	1,067	1,279	212	19.9%
60.5%	1,040	1,274	234	22.5%
61.7%	1,033	1,267	234	22.7%
63.0%	961	1,261	300	31.3%
64.2%	957	1,251	294	30.7%
65.4%	942	1,247	305	32.3%
66.7%	939	1,197	258	27.5%
67.9%	909	1,193	285	31.3%
69.1%	899	1,186	287	31.9%
70.4%	868	1,181	313	36.0%
71.6%	828	1,165	337	40.6%
72.8%	819	1,095	276	33.7%
74.1%	800	1,093	293	36.6%
75.3%	800	1,025	225	28.1%
76.5%	800	957	157	19.6%
77.8%	800	918	118	14.7%
79.0%	800	884	84	10.5%
80.2%	800	869	69	8.6%
81.5%	800	867	67	8.4%
82.7%	800	836	36	4.5%
84.0%	800	830	30	3.8%
85.2%	800	800	0	0.0%
86.4%	653	800	147	22.6%
87.7%	652	800	148	22.7%
88.9%	558	800	242	43.4%
90.1%	487	800	313	64.2%
91.4%	476	703	227	47.6%
92.6%	466	685	219	47.1%
93.8%	462	685	222	48.1%
95.1%	461	677	216	46.9%
96.3%	427	666	239	55.9%
97.5%	425	600	174	41.0%
98.8%	375	492	117	31.1%
100.0%	375	400	25	6.7%

Figure SW-28-b
American River at Watt Avenue, Monthly Flow
Probability of Exceedance

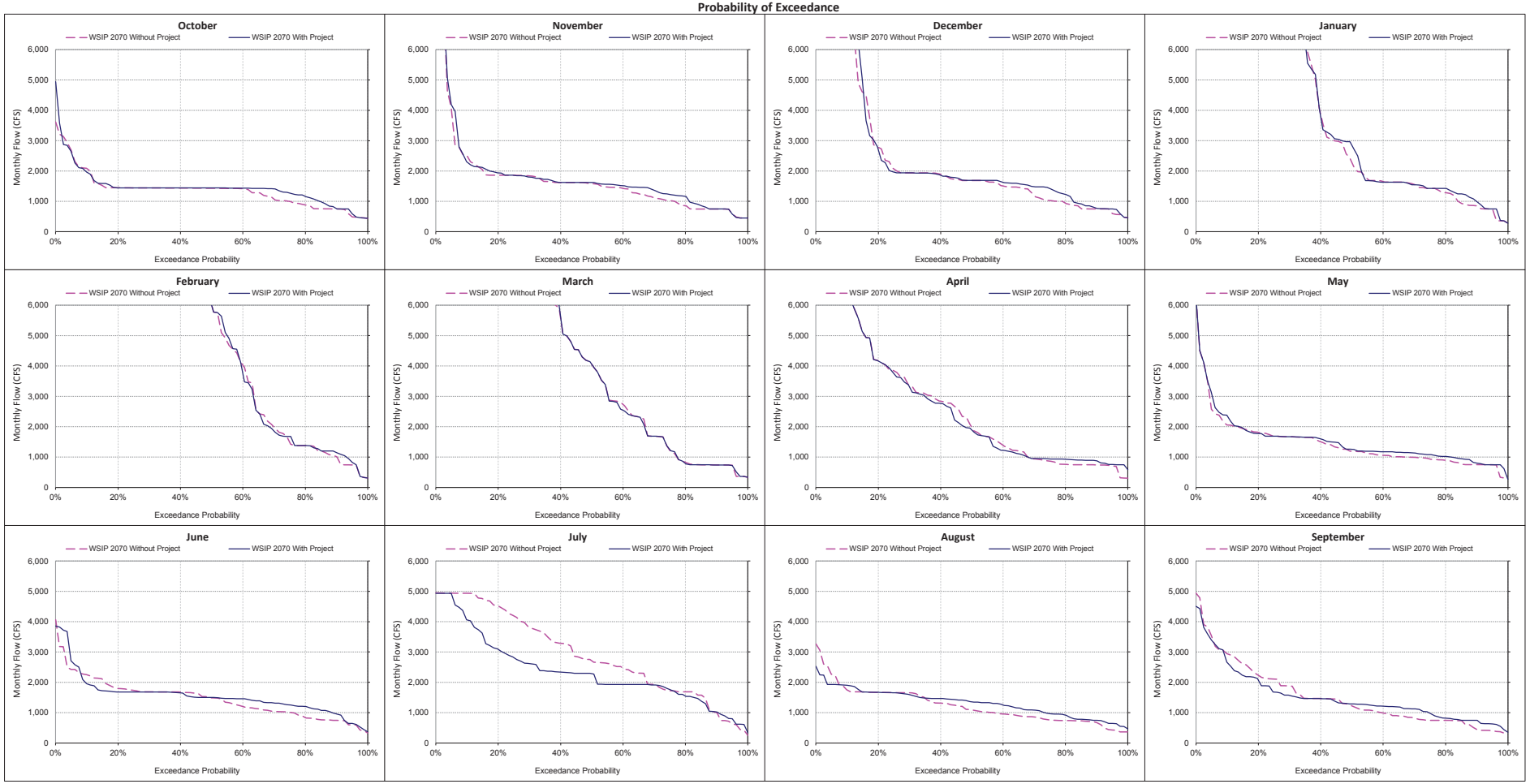


Table SW-28-b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,616	4,940	1,324	36.6%
1.2%	3,213	3,575	362	11.3%
2.5%	3,141	2,873	-268	-8.5%
3.7%	2,937	2,848	-90	-3.1%
4.9%	2,694	2,648	-45	-1.7%
6.2%	2,314	2,265	-48	-2.1%
7.4%	2,145	2,112	-32	-1.5%
8.6%	2,103	2,085	-19	-0.9%
9.9%	2,090	1,968	-121	-5.8%
11.1%	1,993	1,897	-96	-4.8%
12.3%	1,593	1,679	85	5.4%
13.6%	1,584	1,600	16	1.0%
14.8%	1,528	1,588	60	3.9%
16.0%	1,448	1,584	136	9.4%
17.3%	1,448	1,537	89	6.1%
18.5%	1,448	1,461	13	0.9%
19.8%	1,448	1,446	-2	-0.1%
21.0%	1,448	1,443	-5	-0.3%
22.2%	1,446	1,443	-3	-0.2%
23.5%	1,445	1,442	-3	-0.2%
24.7%	1,444	1,442	-2	-0.1%
25.9%	1,443	1,442	-1	-0.1%
27.2%	1,443	1,442	-1	-0.1%
28.4%	1,443	1,442	-1	0.0%
29.6%	1,442	1,442	-1	-0.1%
30.9%	1,442	1,441	-1	-0.1%
32.1%	1,442	1,441	-1	-0.1%
33.3%	1,441	1,441	1	0.1%
34.6%	1,439	1,441	2	0.1%
35.8%	1,439	1,441	2	0.1%
37.0%	1,439	1,441	2	0.1%
38.3%	1,439	1,441	2	0.1%
39.5%	1,439	1,441	2	0.1%
40.7%	1,439	1,441	2	0.1%
42.0%	1,439	1,441	2	0.1%
43.2%	1,438	1,441	3	0.2%
44.4%	1,435	1,441	5	0.4%
45.7%	1,435	1,440	5	0.4%
46.9%	1,435	1,440	5	0.3%
48.1%	1,433	1,439	6	0.4%
49.4%	1,433	1,439	6	0.4%
50.6%	1,432	1,439	7	0.5%
51.9%	1,429	1,439	10	0.7%
53.1%	1,427	1,439	12	0.8%
54.3%	1,426	1,439	12	0.9%
55.6%	1,426	1,438	12	0.8%
56.8%	1,426	1,438	12	0.8%
58.0%	1,425	1,438	13	0.9%
59.3%	1,418	1,437	19	1.3%
60.5%	1,418	1,437	19	1.4%
61.7%	1,382	1,431	49	3.6%
63.0%	1,284	1,430	146	11.3%
64.2%	1,281	1,429	147	11.5%
65.4%	1,279	1,425	146	11.4%
66.7%	1,196	1,423	227	19.0%
67.9%	1,169	1,420	251	21.5%
69.1%	1,141	1,418	277	24.3%
70.4%	1,042	1,404	362	34.7%
71.6%	1,026	1,350	324	31.6%
72.8%	1,025	1,306	281	27.4%
74.1%	1,011	1,294	282	27.9%
75.3%	989	1,259	270	27.3%
76.5%	937	1,228	291	31.1%
77.8%	932	1,215	283	30.3%
79.0%	901	1,211	310	34.5%
80.2%	875	1,155	280	32.0%
81.5%	856	1,117	261	30.5%
82.7%	756	1,078	322	42.7%
84.0%	755	1,027	272	36.0%
85.2%	755	980	225	29.8%
86.4%	753	925	172	22.8%
87.7%	751	847	95	12.7%
88.9%	748	823	75	10.0%
90.1%	748	751	2	0.3%
91.4%	745	750	5	0.7%
92.6%	730	748	18	2.5%
93.8%	589	748	159	27.0%
95.1%	487	589	102	21.0%
96.3%	478	487	9	1.9%
97.5%	461	460	-1	-0.2%
98.8%	456	451	-5	-1.1%
100.0%	439	439	0	0.0%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,753	15,096	344	2.3%
1.2%	12,384	12,041	-343	-2.8%
2.5%	7,573	7,514	-59	-0.8%
3.7%	4,639	5,074	434	9.4%
4.9%	4,077	4,191	114	2.8%
6.2%	2,849	3,958	1,109	38.9%
7.4%	2,797	2,795	-2	-0.1%
8.6%	2,543	2,577	34	1.3%
9.9%	2,525	2,309	-216	-8.6%
11.1%	2,305	2,207	-98	-4.2%
12.3%	2,232	2,142	-90	-4.0%
13.6%	2,142	2,137	-5	-0.2%
14.8%	2,057	2,122	64	3.1%
16.0%	1,872	2,063	191	10.2%
17.3%	1,862	2,003	141	7.6%
18.5%	1,862	1,977	115	6.2%
19.8%	1,862	1,937	75	4.0%
21.0%	1,862	1,929	67	3.6%
22.2%	1,862	1,862	0	0.0%
23.5%	1,862	1,862	0	0.0%
24.7%	1,861	1,862	1	0.0%
25.9%	1,856	1,849	-7	-0.4%
27.2%	1,851	1,843	-8	-0.4%
28.4%	1,847	1,838	-8	-0.5%
29.6%	1,843	1,806	-37	-2.0%
30.9%	1,831	1,796	-35	-1.9%
32.1%	1,805	1,762	-43	-2.4%
33.3%	1,743	1,761	18	1.0%
34.6%	1,656	1,728	72	4.4%
35.8%	1,653	1,722	69	4.2%
37.0%	1,644	1,687	43	2.6%
38.3%	1,621	1,651	30	1.9%
39.5%	1,621	1,626	6	0.3%
40.7%	1,621	1,621	0	0.0%
42.0%	1,621	1,621	0	0.0%
43.2%	1,621	1,621	0	0.0%
44.4%	1,621	1,621	0	0.0%
45.7%	1,621	1,621	0	0.0%
46.9%	1,621	1,621	0	0.0%
48.1%	1,608	1,621	13	0.8%
49.4%	1,581	1,620	39	2.4%
50.6%	1,580	1,618	38	2.4%
51.9%	1,567	1,592	26	1.6%
53.1%	1,497	1,572	75	5.0%
54.3%	1,478	1,566	88	5.9%
55.6%	1,464	1,563	99	6.7%
56.8%	1,461	1,552	91	6.2%
58.0%	1,460	1,533	73	5.0%
59.3%	1,447	1,521	74	5.1%
60.5%	1,415	1,510	94	6.7%
61.7%	1,408	1,475	67	4.8%
63.0%	1,282	1,468	186	14.5%
64.2%	1,276	1,466	190	14.9%
65.4%	1,237	1,464	227	18.4%
66.7%	1,229	1,457	228	18.6%
67.9%	1,175	1,450	275	23.4%
69.1%	1,148	1,403	255	22.2%
70.4%	1,101	1,345	244	22.1%
71.6%	1,088	1,285	198	18.2%
72.8%	1,062	1,251	188	17.7%
74.1%	1,025	1,249	224	21.8%
75.3%	1,021	1,221	200	19.6%
76.5%	1,002	1,204	202	20.2%
77.8%	923	1,188	265	28.7%
79.0%	864	1,179	315	36.5%
80.2%	852	1,161	310	36.4%
81.5%	752	973	221	29.4%
82.7%	747	936	189	25.3%
84.0%	747	905	158	21.2%
85.2%	746	851	105	14.0%
86.4%	746	809	63	8.4%
87.7%	746	750	3	0.5%
88.9%	746	747	0	0.0%
90.1%	746	746	0	0.0%
91.4%	746	746	0	0.0%
92.6%	746	746	0	0.0%
93.8%	743	741	-2	-0.3%
95.1%	579	574	-5	-0.9%
96.3%	482	467	-16	-3.3%
97.5%	453	453	0	0.0%
98.8%	453	453	0	0.0%
100.0%	452	452	0	0.0%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,931	23,934	3	0.0%
1.2%	21,432	21,430	-2	0.0%
2.5%	21,001	21,414	413	2.0%
3.7%	20,283	20,270	-13	-0.1%
4.9%	20,082	20,115	33	0.2%
6.2%	19,227	19,224	-4	0.0%
7.4%	18,389	18,394	5	0.0%
8.6%	15,197	15,193	-4	0.0%
9.9%	14,531	13,858	-674	-4.6%
11.1%	10,409	9,551	-857	-8.2%
12.3%	6,407	6,864	458	7.1%
13.6%	4,895	6,249	1,354	27.7%
14.8%	4,614	5,053	439	9.5%
16.0%	4,511	3,663	-848	-18.8%
17.3%	3,724	3,160	-564	-15.2%
18.5%	2,863	3,023	160	5.6%
19.8%	2,795	2,796	1	0.0%
21.0%	2,728	2,350	-378	-13.8%
22.2%	2,352	2,275	-77	-3.3%
23.5%	2,309	2,012	-297	-12.9%
24.7%	2,089	1,975	-114	-5.5%
25.9%	2,000	1,942	-58	-2.9%
27.2%	1,942	1,936	-6	-0.3%
28.4%	1,936	1,936	0	0.0%
29.6%	1,936	1,936	0	0.0%
30.9%	1,936	1,936	0	0.0%
32.1%	1,936	1,935	-1	0.0%
33.3%	1,936	1,934	-1	-0.1%
34.6%	1,936	1,934	-2	-0.1%
35.8%	1,936	1,929	-6	-0.3%
37.0%	1,932	1,925	-7	-0.4%
38.3%	1,932	1,901	-31	-1.6%
39.5%	1,904	1,878	-26	-1.4%
40.7%	1,879	1,832	-46	-2.5%
42.0%	1,814	1,831	17	0.9%
43.2%	1,746	1,792	46	2.6%
44.4%	1,724	1,781	57	3.3%
45.7%	1,719	1,756	37	2.2%
46.9%	1,688	1,702	14	0.8%
48.1%	1,688	1,693	6	0.3%
49.4%	1,688	1,688	0	0.0%
50.6%	1,688	1,688	0	0.0%
51.9%	1,688	1,688	0	0.0%
53.1%	1,688	1,688	0	0.0%
54.3%	1,671	1,688	17	1.0%
55.6%	1,634	1,688	53	3.3%
56.8%	1,633	1,688	55	3.3%
58.0%	1,615	1,688	73	4.5%
59.3%	1,521	1,650	129	8.5%
60.5%	1,494	1,613	119	7.9%
61.7%	1,476	1,610	134	9.0%
63.0%	1,471	1,596	125	8.5%
64.2%	1,471	1,595	124	8.5%
65.4%	1,452	1,569	116	8.0%
66.7%	1,418	1,552	135	9.5%
67.9%	1,410	1,537	128	9.1%
69.1%	1,284	1,491	206	16.1%
70.4%	1,150	1,481	332	28.8%
71.6%	1,112	1,478	366	32.9%
72.8%	1,064	1,476	412	38.7%
74.1%	1,032	1,457	424	41.1%
75.3%	1,027	1,405	378	36.8%
76.5%	1,006	1,347	340	33.8%
77.8%	1,003	1,287	284	28.3%
79.0%	1,000	1,253	253	25.3%
80.2%	926	1,223	298	32.2%
81.5%	895	1,163	268	29.9%
82.7%	866	975	109	12.6%
84.0%	854	940	86	10.1%
85.2%	754	910	157	20.8%
86.4%	752	854	103	13.7%
87.7%	748	853	105	14.0%
88.9%	748	812	63	8.5%
90.1%	748	767	19	2.6%
91.4%	748	754	6	0.8%
92.6%	748	754	6	0.8%
93.8%	748	748	0	0.0%
95.1%	598	748	151	25.2%
96.3%	568	736	167	29.5%
97.5%	565	598	33	5.8%
98.8%	472	472	0	0.0%
100.0%	459	459	0	0.0%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,015	41,012	-2	0.0%
1.2%	29,963	29,959	-5	0.0%
2.5%	29,604	29,466	-138	-0.5%
3.7%	29,124	29,127	3	0.0%
4.9%	27,612	27,610	-2	0.0%
6.2%	25,933	25,917	-15	-0.1%
7.4%	25,101	25,102	1	0.0%
8.6%	22,482	22,482	0	0.0%
9.9%	21,538	21,538	0	0.0%
11.1%	20,680	21,014	334	1.6%
12.3%	20,083	20,083	0	0.0%
13.6%	17,894	17,894	0	0.0%
14.8%	16,477	16,478	1	0.0%
16.0%	15,768	15,767	-1	0.0%
17.3%	14,597	14,533	-65	-0.4%
18.5%	14,564	13,468	-1,096	-7.5%
19.8%	13,456	13,446	-10	-0.1%
21.0%	12,829	12,693	-136	-1.1%
22.2%	11,551	11,547	-4	0.0%
23.5%	10,053	10,049	-4	0.0%
24.7%	9,962	9,969	7	0.1%
25.9%	9,906	9,909	3	0.0%
27.2%	9,245	9,253	8	0.1%
28.4%	9,105	9,110	5	0.1%
29.6%	8,312	8,315	3	0.0%
30.9%	8,275	8,282	7	0.1%
32.1%	6,966	6,966	0	0.0%
33.3%	6,923	6,933	11	0.2%
34.6%	6,528	6,658	130	2.0%
35.8%	5,910	5,553	-357	-6.0%
37.0%	5,479	5,353	-126	-2.3%
38.3%	5,019	5,183	164	3.3%
39.5%	4,076	4,060	-16	-0.4%
40.7%	3,538	3,360	-177	-5.0%
42.0%	3,114	3,285	171	5.5%
43.2%	3,054	3,208	154	5.0%
44.4%	2,994	3,060	66	2.2%
45.7%	2,978	3,048	70	2.3%
46.9%	2,919	2,990	71	2.4%
48.1%	2,568	2,966	399	15.5%
49.4%	2,420	2,962	543	22.4%
50.6%	2,138	2,723	585	27.4%
51.9%	1,980	2,494	514	26.0%
53.1%	1,965	1,965	0	0.0%
54.3%	1,799	1,685	-114	-6.4%
55.6%	1,687	1,685	-2	-0.1%
56.8%	1,685	1,675	-10	-0.6%
58.0%	1,685	1,647	-38	-2.3%
59.3%	1,675	1,635	-40	-2.4%
60.5%	1,635	1,635	0	0.0%
61.7%	1,635	1,635	0	0.0%
63.0%	1,635	1,635	0	0.0%
64.2%	1,635	1,635	0	0.0%
65.4%	1,635	1,635	0	0.0%
66.7%	1,635	1,627	-8	-0.5%
67.9%	1,608	1,595	-13	-0.8%
69.1%	1,586	1,547	-39	-2.5%
70.4%	1,542	1,546	4	0.3%
71.6%	1,455	1,535	79	5.4%
72.8%	1,451	1,513	62	4.3%
74.1%	1,425	1,429	5	0.3%
75.3%	1,425	1,425	0	0.0%
76.5%	1,425	1,425	0	0.0%
77.8%	1,363	1,425	62	4.5%
79.0%	1,284	1,425	140	10.9%
80.2%	1,283	1,425	141	11.0%
81.5%	1,261	1,358	97	7.7%
82.7%	1,196	1,297	102	8.5%
84.0%	1,003	1,250	247	24.6%
85.2%	929	1,247	318	34.2%
86.4%	896	1,223	327	36.5%
87.7%	866	1,136	270	31.1%
88.9%	864	1,085	221	25.5%
90.1%	849	980	132	15.5%
91.4%	755	889	134	17.8%
92.6%	748	766	17	2.3%
93.8%	748	748	0	0.0%
95.1%	748	748	0	0.0%
96.3%	369	746	377	102.1%
97.5%	356	369	13	
98.8%	355	356	2	
100.0%	277	277	0	

Table SW-28-b

American River at Watt Avenue, Monthly Flow
Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,202	42,202	0	0.0%
1.2%	32,740	32,732	-8	0.0%
2.5%	32,452	32,452	0	0.0%
3.7%	23,166	23,167	1	0.0%
4.9%	22,717	22,714	-2	0.0%
6.2%	22,095	22,090	-4	0.0%
7.4%	21,267	21,267	0	0.0%
8.6%	20,987	20,985	-2	0.0%
9.9%	20,556	20,547	-9	0.0%
11.1%	20,308	20,308	0	0.0%
12.3%	20,230	20,230	1	0.0%
13.6%	20,009	19,746	-263	-1.3%
14.8%	19,676	19,673	-3	0.0%
16.0%	18,689	18,690	1	0.0%
17.3%	17,835	17,881	46	0.3%
18.5%	17,751	17,751	0	0.0%
19.8%	16,339	16,339	0	0.0%
21.0%	16,324	16,324	0	0.0%
22.2%	14,682	14,682	0	0.0%
23.5%	14,543	14,543	0	0.0%
24.7%	14,235	14,246	11	0.1%
25.9%	12,686	12,523	-163	-1.3%
27.2%	12,523	12,466	-57	-0.5%
28.4%	12,466	12,388	-79	-0.6%
29.6%	11,667	11,667	0	0.0%
30.9%	10,653	10,651	-1	0.0%
32.1%	10,194	9,657	-537	-5.3%
33.3%	9,454	9,454	0	0.0%
34.6%	9,059	9,206	148	1.6%
35.8%	8,380	8,382	2	0.0%
37.0%	7,889	8,346	457	5.8%
38.3%	7,847	7,775	-73	-0.9%
39.5%	7,774	7,593	-181	-2.3%
40.7%	7,428	7,429	1	0.0%
42.0%	7,324	7,323	-1	0.0%
43.2%	7,040	7,035	-5	-0.1%
44.4%	6,785	6,785	0	0.0%
45.7%	6,651	6,651	0	0.0%
46.9%	6,376	6,375	0	0.0%
48.1%	6,331	6,333	2	0.0%
49.4%	6,220	6,220	0	0.0%
50.6%	5,773	5,773	0	0.0%
51.9%	5,762	5,764	1	0.0%
53.1%	5,101	5,642	541	10.6%
54.3%	4,928	5,103	176	3.6%
55.6%	4,677	4,914	238	5.1%
56.8%	4,551	4,572	21	0.5%
58.0%	4,433	4,551	118	2.7%
59.3%	4,121	4,123	1	0.0%
60.5%	3,960	3,476	-484	-12.2%
61.7%	3,476	3,441	-35	-1.0%
63.0%	3,442	3,235	-207	-6.0%
64.2%	2,542	2,539	-3	-0.1%
65.4%	2,417	2,418	1	0.0%
66.7%	2,395	2,081	-314	-13.1%
67.9%	2,181	2,030	-151	-6.9%
69.1%	2,078	1,943	-136	-6.5%
70.4%	1,942	1,818	-124	-6.4%
71.6%	1,817	1,725	-92	-5.1%
72.8%	1,778	1,683	-95	-5.3%
74.1%	1,680	1,680	0	0.0%
75.3%	1,420	1,679	258	18.2%
76.5%	1,378	1,378	0	0.0%
77.8%	1,376	1,376	0	0.0%
79.0%	1,376	1,376	0	0.0%
80.2%	1,376	1,376	0	0.0%
81.5%	1,376	1,369	-6	-0.5%
82.7%	1,353	1,301	-52	-3.8%
84.0%	1,219	1,273	53	4.4%
85.2%	1,197	1,197	0	0.0%
86.4%	1,145	1,197	52	4.6%
87.7%	1,077	1,197	120	11.2%
88.9%	1,058	1,197	139	13.1%
90.1%	1,005	1,141	136	13.5%
91.4%	752	1,089	338	44.9%
92.6%	743	1,046	304	40.9%
93.8%	741	954	213	28.8%
95.1%	740	822	82	11.1%
96.3%	740	742	2	0.2%
97.5%	362	362	0	
98.8%	326	326	0	
100.0%	312	312	0	

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,548	25,548	0	0.0%
1.2%	24,500	24,500	0	0.0%
2.5%	21,232	21,227	-5	0.0%
3.7%	17,296	17,296	0	0.0%
4.9%	16,926	16,926	0	0.0%
6.2%	16,510	16,510	0	0.0%
7.4%	15,651	15,651	0	0.0%
8.6%	14,620	14,620	0	0.0%
9.9%	12,868	12,873	4	0.0%
11.1%	10,981	10,980	0	0.0%
12.3%	10,562	10,562	0	0.0%
13.6%	10,364	10,356	-8	-0.1%
14.8%	10,348	10,347	-1	0.0%
16.0%	10,149	10,149	0	0.0%
17.3%	9,889	9,888	-1	0.0%
18.5%	9,723	9,722	0	0.0%
19.8%	8,919	8,921	2	0.0%
21.0%	8,548	8,548	0	0.0%
22.2%	8,345	8,345	0	0.0%
23.5%	8,315	8,315	0	0.0%
24.7%	8,274	8,274	0	0.0%
25.9%	8,191	8,193	2	0.0%
27.2%	8,013	7,910	-103	-1.3%
28.4%	7,767	7,762	-5	-0.1%
29.6%	7,688	7,692	3	0.0%
30.9%	6,574	6,569	-5	-0.1%
32.1%	6,442	6,431	-11	-0.2%
33.3%	6,392	6,391	-1	0.0%
34.6%	6,273	6,273	0	0.0%
35.8%	6,157	6,157	0	0.0%
37.0%	6,112	6,111	-2	0.0%
38.3%	6,011	6,067	56	0.9%
39.5%	5,908	6,011	103	1.7%
40.7%	5,053	5,053	0	0.0%
42.0%	4,988	4,988	0	0.0%
43.2%	4,809	4,809	0	0.0%
44.4%	4,547	4,547	0	0.0%
45.7%	4,538	4,538	0	0.0%
46.9%	4,298	4,299	1	0.0%
48.1%	4,185	4,185	0	0.0%
49.4%	4,146	4,146	0	0.0%
50.6%	3,954	3,956	2	0.0%
51.9%	3,798	3,798	0	0.0%
53.1%	3,529	3,531	2	0.1%
54.3%	3,389	3,389	0	0.0%
55.6%	2,872	2,838	-33	-1.2%
56.8%	2,853	2,834	-19	-0.7%
58.0%	2,838	2,799	-40	-1.4%
59.3%	2,799	2,577	-222	-7.9%
60.5%	2,691	2,521	-170	-6.3%
61.7%	2,515	2,408	-107	-4.3%
63.0%	2,364	2,364	0	0.0%
64.2%	2,338	2,338	0	0.0%
65.4%	2,314	2,314	-1	0.0%
66.7%	2,252	2,080	-172	-7.7%
67.9%	1,693	1,694	1	0.1%
69.1%	1,686	1,686	0	0.0%
70.4%	1,684	1,684	0	0.0%
71.6%	1,676	1,677	1	0.0%
72.8%	1,662	1,662	0	0.0%
74.1%	1,366	1,368	2	0.1%
75.3%	1,169	1,206	37	3.2%
76.5%	1,117	1,169	52	4.6%
77.8%	916	916	0	0.0%
79.0%	864	864	0	0.0%
80.2%	819	767	-51	-6.3%
81.5%	767	747	-21	-2.7%
82.7%	748	743	-6	-0.8%
84.0%	748	742	-6	-0.8%
85.2%	742	741	-1	-0.1%
86.4%	742	741	0	-0.1%
87.7%	741	741	0	0.0%
88.9%	741	741	0	-0.1%
90.1%	740	740	0	0.1%
91.4%	740	740	0	0.0%
92.6%	740	740	0	0.0%
93.8%	737	737	0	0.0%
95.1%	729	724	-6	-0.8%
96.3%	363	518	156	42.9%
97.5%	357	363	5	1.5%
98.8%	357	357	0	0.0%
100.0%	333	333	0	0.0%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,878	20,872	-5	0.0%
1.2%	19,548	19,548	0	0.0%
2.5%	12,041	12,041	0	0.0%
3.7%	11,198	11,194	-4	0.0%
4.9%	11,077	11,077	0	0.0%
6.2%	7,667	7,667	0	0.0%
7.4%	6,817	6,817	0	0.0%
8.6%	6,409	6,409	0	0.0%
9.9%	6,268	6,268	0	0.0%
11.1%	6,208	6,208	0	0.0%
12.3%	5,880	5,880	0	0.0%
13.6%	5,582	5,574	-8	-0.1%
14.8%	5,140	5,140	0	0.0%
16.0%	4,938	4,938	-1	0.0%
17.3%	4,925	4,925	0	0.0%
18.5%	4,214	4,214	0	0.0%
19.8%	4,185	4,176	-10	-0.2%
21.0%	4,107	4,107	0	0.0%
22.2%	4,036	4,037	1	0.0%
23.5%	3,882	3,938	56	1.4%
24.7%	3,856	3,789	-67	-1.7%
25.9%	3,789	3,641	-148	-3.9%
27.2%	3,642	3,623	-18	-0.5%
28.4%	3,623	3,468	-155	-4.3%
29.6%	3,385	3,385	0	0.0%
30.9%	3,329	3,130	-199	-6.0%
32.1%	3,130	3,114	-16	-0.5%
33.3%	3,114	3,071	-43	-1.4%
34.6%	3,106	3,037	-69	-2.2%
35.8%	3,037	2,923	-114	-3.8%
37.0%	3,020	2,845	-175	-5.8%
38.3%	2,916	2,777	-140	-4.8%
39.5%	2,847	2,776	-70	-2.5%
40.7%	2,828	2,753	-74	-2.6%
42.0%	2,776	2,668	-108	-3.9%
43.2%	2,776	2,617	-159	-5.7%
44.4%	2,667	2,217	-449	-16.9%
45.7%	2,577	2,129	-449	-17.4%
46.9%	2,331	2,039	-293	-12.6%
48.1%	2,326	1,967	-359	-15.4%
49.4%	2,074	1,953	-121	-5.8%
50.6%	1,865	1,823	-42	-2.3%
51.9%	1,806	1,725	-81	-4.5%
53.1%	1,703	1,706	3	0.2%
54.3%	1,685	1,685	0	0.0%
55.6%	1,663	1,663	0	0.0%
56.8%	1,591	1,351	-241	-15.1%
58.0%	1,531	1,296	-234	-15.3%
59.3%	1,439	1,224	-216	-15.0%
60.5%	1,351	1,213	-138	-10.2%
61.7%	1,296	1,192	-104	-8.0%
63.0%	1,224	1,162	-61	-5.0%
64.2%	1,213	1,126	-87	-7.2%
65.4%	1,191	1,095	-95	-8.0%
66.7%	1,164	1,056	-108	-9.2%
67.9%	997	998	2	0.2%
69.1%	940	947	7	0.8%
70.4%	937	947	10	1.1%
71.6%	921	947	26	2.8%
72.8%	900	947	47	5.2%
74.1%	875	940	64	7.3%
75.3%	860	937	76	8.9%
76.5%	833	936	102	12.3%
77.8%	765	935	170	22.2%
79.0%	763	932	169	22.1%
80.2%	757	921	164	21.6%
81.5%	747	914	168	22.4%
82.7%	747	905	158	21.2%
84.0%	747	900	153	20.5%
85.2%	747	899	153	20.4%
86.4%	747	895	148	19.9%
87.7%	747	892	146	19.5%
88.9%	747	891	144	19.3%
90.1%	736	876	140	19.1%
91.4%	735	808	73	9.9%
92.6%	735	797	62	8.4%
93.8%	724	757	32	4.5%
95.1%	705	755	49	7.0%
96.3%	689	747	58	8.5%
97.5%	315	747	432	137.2%
98.8%	307	747	439	142.8%
100.0%	303	582	280	92.3%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,313	6,313	0	0.0%
1.2%	4,506	4,506	0	0.0%
2.5%	4,113	4,113	0	0.0%
3.7%	3,502	3,502	0	0.0%
4.9%	2,572	3,138	566	22.0%
6.2%	2,424	2,632	208	8.6%
7.4%	2,378	2,477	98	4.1%
8.6%	2,181	2,389	208	9.5%
9.9%	2,057	2,378	321	15.6%
11.1%	2,049	2,178	129	6.3%
12.3%	2,006	2,026	20	1.0%
13.6%	1,990	2,008	18	0.9%
14.8%	1,942	1,966	24	1.3%
16.0%	1,906	1,873	-33	-1.7%
17.3%	1,874	1,827	-48	-2.6%
18.5%	1,827	1,785	-42	-2.3%
19.8%	1,819	1,772	-47	-2.6%
21.0%	1,790	1,771	-19	-1.1%
22.2%	1,784	1,689	-95	-5.3%
23.5%	1,740	1,687	-52	-3.0%
24.7%	1,687	1,687	0	0.0%
25.9%	1,687	1,686	-1	-0.1%
27.2%	1,675	1,675	0	0.0%
28.4%	1,673	1,671	-1	-0.1%
29.6%	1,666	1,666	0	0.0%
30.9%	1,665	1,665	0	0.0%
32.1%	1,659	1,664	6	0.3%
33.3%	1,653	1,659	6	0.3%
34.6%	1,650	1,653	3	0.2%
35.8%	1,646	1,652	7	0.4%
37.0%	1,645	1,650	5	0.3%
38.3%	1,583	1,646	62	3.9%
39.5%	1,519	1,612	94	6.2%
40.7%	1,475	1,577	101	6.9%
42.0%	1,412	1,519	107	7.6%
43.2%	1,404	1,495	90	6.4%
44.4%	1,332	1,492	159	12.0%
45.7%	1,306	1,475	170	13.0%
46.9%	1,259	1,332	73	5.8%
48.1%	1,258	1,259	1	0.1%
49.4%	1,193	1,258	65	5.5%
50.6%	1,188	1,246	58	4.9%
51.9%	1,182	1,198	17	1.4%
53.1%	1,181	1,198	17	1.4%
54.3%	1,139	1,189	51	4.5%
55.6%	1,110	1,187	77	6.9%
56.8%	1,103	1,187	84	7.6%
58.0%	1,072	1,185	113	10.5%
59.3%	1,064	1,173	110	10.3%
60.5%	1,054	1,173	119	11.3%
61.7%	1,051	1,172	121	11.5%
63.0%	1,010	1,169	159	15.8%
64.2%	1,008	1,154	146	14.4%
65.4%	1,008	1,152	144	14.3%
66.7%	1,001	1,151	150	15.0%
67.9%	996	1,145	149	15.0%
69.1%	992	1,143	151	15.2%
70.4%	988	1,127	139	14.0%
71.6%	972	1,108	135	13.9%
72.8%	972	1,100	128	13.2%
74.1%	961	1,082	122	12.7%
75.3%	924	1,076	152	16.4%
76.5%	921	1,055	134	14.5%
77.8%	907	1,026	119	13.1%
79.0%	904	1,020	116	12.9%
80.2%	887	1,015	128	14.5%
81.5%	871	998	127	14.6%
82.7%	830	985	156	18.8%
84.0%	816	959	143	17.5%
85.2%	762	940	178	23.4%
86.4%	749	921	172	23.0%
87.7%	748	918	170	22.7%
88.9%	748	822	74	9.8%
90.1%	748	800	51	6.8%
91.4%	748	779	31	4.2%
92.6%	748	748	0	0.0%
93.8%	748	748	0	0.0%
95.1%	746	748	3	0.4%
96.3%	738	748	10	1.4%
97.5%	332	748	416	125.3%
98.8%	309	617	308	99.5%
100.0%	266	266	0	0.0%

Table SW-28-b

American River at Watt Avenue, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,065	3,859	-206	-5.1%
1.2%	3,180	3,818	639	20.1%
2.5%	3,175	3,723	548	17.2%
3.7%	2,496	3,678	1,182	47.4%
4.9%	2,427	2,709	282	11.6%
6.2%	2,426	2,583	156	6.4%
7.4%	2,325	2,505	180	7.8%
8.6%	2,277	2,093	-185	-8.1%
9.9%	2,254	1,959	-295	-13.1%
11.1%	2,212	1,909	-304	-13.7%
12.3%	2,141	1,886	-255	-11.9%
13.6%	2,137	1,747	-389	-18.2%
14.8%	2,116	1,725	-392	-18.5%
16.0%	1,959	1,712	-247	-12.6%
17.3%	1,898	1,706	-193	-10.1%
18.5%	1,837	1,687	-150	-8.2%
19.8%	1,798	1,685	-113	-6.3%
21.0%	1,791	1,685	-106	-5.9%
22.2%	1,780	1,685	-94	-5.3%
23.5%	1,756	1,685	-70	-4.0%
24.7%	1,738	1,685	-53	-3.1%
25.9%	1,719	1,685	-34	-2.0%
27.2%	1,687	1,685	-1	-0.1%
28.4%	1,685	1,685	0	0.0%
29.6%	1,685	1,685	0	0.0%
30.9%	1,685	1,685	0	0.0%
32.1%	1,685	1,684	-1	-0.1%
33.3%	1,685	1,683	-2	-0.1%
34.6%	1,685	1,681	-4	-0.2%
35.8%	1,685	1,679	-6	-0.4%
37.0%	1,685	1,669	-16	-1.0%
38.3%	1,684	1,663	-21	-1.3%
39.5%	1,683	1,659	-24	-1.4%
40.7%	1,669	1,643	-25	-1.5%
42.0%	1,663	1,552	-111	-6.7%
43.2%	1,659	1,528	-131	-7.9%
44.4%	1,643	1,509	-135	-8.2%
45.7%	1,630	1,503	-127	-7.8%
46.9%	1,531	1,502	-29	-1.9%
48.1%	1,527	1,502	-25	-1.7%
49.4%	1,490	1,501	11	0.7%
50.6%	1,484	1,498	15	1.0%
51.9%	1,482	1,493	11	0.7%
53.1%	1,452	1,472	20	1.4%
54.3%	1,345	1,471	126	9.4%
55.6%	1,330	1,467	137	10.3%
56.8%	1,294	1,463	170	13.1%
58.0%	1,257	1,462	205	16.3%
59.3%	1,227	1,460	233	19.0%
60.5%	1,187	1,459	273	23.0%
61.7%	1,163	1,430	268	23.0%
63.0%	1,157	1,412	255	22.0%
64.2%	1,135	1,392	257	22.7%
65.4%	1,124	1,388	264	23.5%
66.7%	1,088	1,336	247	22.7%
67.9%	1,078	1,334	257	23.8%
69.1%	1,051	1,330	279	26.6%
70.4%	1,040	1,317	277	26.6%
71.6%	1,034	1,314	279	27.0%
72.8%	1,031	1,292	261	25.3%
74.1%	1,025	1,260	234	22.8%
75.3%	1,008	1,256	248	24.6%
76.5%	986	1,225	239	24.2%
77.8%	920	1,211	291	31.7%
79.0%	892	1,208	316	35.4%
80.2%	825	1,199	374	45.3%
81.5%	817	1,157	340	41.6%
82.7%	813	1,128	315	38.7%
84.0%	778	1,114	336	43.1%
85.2%	763	1,073	310	40.5%
86.4%	760	1,070	309	40.7%
87.7%	760	1,043	283	37.2%
88.9%	747	991	244	32.7%
90.1%	746	956	209	28.0%
91.4%	740	920	180	24.4%
92.6%	738	737	0	-0.1%
93.8%	599	649	50	8.4%
95.1%	599	643	44	7.4%
96.3%	593	611	18	3.0%
97.5%	428	528	100	23.4%
98.8%	412	443	31	7.4%
100.0%	328	374	46	13.9%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,948	4,939	-10	-0.2%
1.2%	4,948	4,937	-11	-0.2%
2.5%	4,942	4,937	-5	-0.1%
3.7%	4,942	4,937	-5	-0.1%
4.9%	4,938	4,937	-1	0.0%
6.2%	4,937	4,553	-384	-7.8%
7.4%	4,937	4,470	-467	-9.5%
8.6%	4,937	4,366	-571	-11.6%
9.9%	4,937	4,060	-877	-17.8%
11.1%	4,935	4,023	-911	-18.5%
12.3%	4,930	3,813	-1,117	-22.7%
13.6%	4,781	3,735	-1,046	-21.9%
14.8%	4,764	3,625	-1,139	-23.9%
16.0%	4,697	3,271	-1,426	-30.4%
17.3%	4,682	3,216	-1,466	-31.3%
18.5%	4,549	3,137	-1,412	-31.0%
19.8%	4,534	3,104	-1,430	-31.5%
21.0%	4,458	3,016	-1,442	-32.3%
22.2%	4,383	2,959	-1,424	-32.5%
23.5%	4,266	2,892	-1,374	-32.2%
24.7%	4,209	2,837	-1,373	-32.6%
25.9%	4,141	2,749	-1,391	-33.6%
27.2%	4,012	2,699	-1,314	-32.7%
28.4%	3,973	2,635	-1,339	-33.7%
29.6%	3,834	2,620	-1,214	-31.7%
30.9%	3,778	2,607	-1,172	-31.0%
32.1%	3,735	2,585	-1,150	-30.8%
33.3%	3,688	2,382	-1,306	-35.4%
34.6%	3,634	2,382	-1,253	-34.5%
35.8%	3,500	2,370	-1,131	-32.3%
37.0%	3,379	2,369	-1,010	-29.9%
38.3%	3,317	2,345	-971	-29.3%
39.5%	3,291	2,344	-947	-28.8%
40.7%	3,280	2,332	-948	-28.9%
42.0%	3,265	2,320	-945	-28.9%
43.2%	3,200	2,314	-886	-27.7%
44.4%	2,862	2,301	-561	-19.6%
45.7%	2,834	2,301	-533	-18.8%
46.9%	2,788	2,299	-488	-17.5%
48.1%	2,756	2,299	-457	-16.6%
49.4%	2,753	2,295	-457	-16.6%
50.6%	2,661	2,269	-393	-14.8%
51.9%	2,656	1,934	-722	-27.2%
53.1%	2,647	1,934	-713	-26.9%
54.3%	2,635	1,933	-702	-26.7%
55.6%	2,614	1,933	-681	-26.1%
56.8%	2,562	1,933	-630	-24.6%
58.0%	2,519	1,932	-587	-23.3%
59.3%	2,519	1,932	-587	-23.3%
60.5%	2,431	1,932	-499	-20.5%
61.7%	2,417	1,932	-485	-20.1%
63.0%	2,337	1,932	-405	-17.3%
64.2%	2,306	1,932	-374	-16.2%
65.4%	2,302	1,932	-370	-16.1%
66.7%	2,298	1,932	-366	-15.9%
67.9%	1,933	1,932	-1	-0.1%
69.1%	1,933	1,911	-22	-1.1%
70.4%	1,931	1,909	-22	-1.2%
71.6%	1,836	1,895	59	3.2%
72.8%	1,773	1,862	88	5.0%
74.1%	1,736	1,803	67	3.9%
75.3%	1,722	1,753	31	1.8%
76.5%	1,717	1,697	-20	-1.1%
77.8%	1,687	1,608	-80	-4.7%
79.0%	1,687	1,605	-82	-4.9%
80.2%	1,687	1,539	-149	-8.8%
81.5%	1,687	1,538	-149	-8.8%
82.7%	1,687	1,502	-185	-11.0%
84.0%	1,581	1,467	-114	-7.2%
85.2%	1,576	1,370	-206	-13.1%
86.4%	1,472	1,295	-177	-12.0%
87.7%	1,089	1,052	-37	-3.4%
88.9%	1,033	1,038	5	0.5%
90.1%	996	1,022	26	2.7%
91.4%	742	947	206	27.7%
92.6%	741	891	150	20.2%
93.8%	716	804	88	12.3%
95.1%	628	800	171	27.3%
96.3%	603	623	20	3.3%
97.5%	444	617	173	38.8%
98.8%	421	610	189	45.0%
100.0%	256	336	81	31.5%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,267	2,530	-738	-22.6%
1.2%	3,062	2,245	-817	-26.7%
2.5%	2,602	2,234	-368	-14.1%
3.7%	2,544	1,932	-612	-24.1%
4.9%	2,267	1,929	-338	-14.9%
6.2%	2,231	1,925	-305	-13.7%
7.4%	1,931	1,918	-13	-0.7%
8.6%	1,887	1,911	24	1.3%
9.9%	1,754	1,900	146	8.3%
11.1%	1,687	1,883	196	11.6%
12.3%	1,687	1,862	175	10.4%
13.6%	1,687	1,764	77	4.6%
14.8%	1,687	1,679	-8	-0.5%
16.0%	1,680	1,678	-2	-0.1%
17.3%	1,678	1,675	-3	-0.2%
18.5%	1,669	1,670	1	0.1%
19.8%	1,669	1,669	0	0.0%
21.0%	1,667	1,665	-1	-0.1%
22.2%	1,665	1,663	-2	-0.1%
23.5%	1,662	1,662	0	0.0%
24.7%	1,660	1,659	-1	-0.1%
25.9%	1,659	1,659	0	0.0%
27.2%	1,659	1,638	-20	-1.2%
28.4%	1,659	1,625	-33	-2.0%
29.6%	1,659	1,606	-53	-3.2%
30.9%	1,651	1,566	-85	-5.1%
32.1%	1,626	1,539	-87	-5.4%
33.3%	1,537	1,501	-36	-2.3%
34.6%	1,514	1,486	-29	-1.9%
35.8%	1,409	1,478	69	4.9%
37.0%	1,363	1,470	107	7.8%
38.3%	1,321	1,469	148	11.2%
39.5%	1,317	1,466	149	11.3%
40.7%	1,308	1,465	156	11.9%
42.0%	1,306	1,447	141	10.8%
43.2%	1,260	1,443	184	14.6%
44.4%	1,247	1,435	188	15.1%
45.7%	1,219	1,417	198	16.3%
46.9%	1,205	1,416	210	17.4%
48.1%	1,107	1,403	296	26.8%
49.4%	1,103	1,363	260	23.5%
50.6%	1,079	1,350	271	25.2%
51.9%	1,056	1,345	289	27.4%
53.1%	1,033	1,331	297	28.8%
54.3%	1,025	1,327	301	29.4%
55.6%	1,012	1,326	315	31.1%
56.8%	1,005	1,306	302	30.0%
58.0%	975	1,306	331	33.9%
59.3%	961	1,282	321	33.4%
60.5%	954	1,237	282	29.6%
61.7%	941	1,229	288	30.6%
63.0%	940	1,190	250	26.6%
64.2%	914	1,158	245	26.8%
65.4%	889	1,154	266	29.9%
66.7%	874	1,103	229	26.2%
67.9%	867	1,089	222	25.6%
69.1%	866	1,087	221	25.5%
70.4%	854	1,085	231	27.1%
71.6%	831	1,067	236	28.5%
72.8%	794	1,010	216	27.2%
74.1%	774	976	202	26.1%
75.3%	754	959	205	27.2%
76.5%	748	956	207	27.7%
77.8%	742	954	212	28.6%
79.0%	741	945	204	27.6%
80.2%	739	914	175	23.6%
81.5%	739	844	105	14.2%
82.7%	735	803	68	9.3%
84.0%	732	786	54	7.4%
85.2%	730	779	50	6.8%
86.4%	717	773	57	7.9%
87.7%	710	764	54	7.5%
88.9%	709	752	43	6.1%
90.1%	670	747	77	11.6%
91.4%	603	743	139	23.1%
92.6%	493	694	201	40.7%
93.8%	442	647	205	46.4%
95.1%	429	646	217	50.7%
96.3%	420	638	217	51.7%
97.5%	367	549	182	49.6%
98.8%	366	541	175	47.7%
100.0%	366	467	101	27.6%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,940	4,510	-431	-8.7%
1.2%	4,786	4,432	-354	-7.4%
2.5%	3,902	3,813	-89	-2.3%
3.7%	3,832	3,592	-241	-6.3%
4.9%	3,535	3,404	-130	-3.7%
6.2%	3,185	3,246	61	1.9%
7.4%	3,072	3,110	38	1.3%
8.6%	3,060	3,070	10	0.3%
9.9%	2,945	2,665	-280	-9.5%
11.1%	2,902	2,529	-372	-12.8%
12.3%	2,837	2,381	-456	-16.1%
13.6%	2,721	2,342	-379	-13.9%
14.8%	2,615	2,235	-379	-14.5%
16.0%	2,577	2,190	-386	-15.0%
17.3%	2,460	2,190	-270	-11.0%
18.5%	2,332	2,169	-163	-7.0%
19.8%	2,248	2,126	-121	-5.4%
21.0%	2,164	1,889	-275	-12.7%
22.2%	2,131	1,887	-243	-11.4%
23.5%	2,118	1,878	-240	-11.3%
24.7%	2,111	1,681	-430	-20.4%
25.9%	2,103	1,676	-427	-20.3%
27.2%	1,889	1,651	-238	-12.6%
28.4%	1,888	1,583	-306	-16.2%
29.6%	1,882	1,577	-305	-16.2%
30.9%	1,872	1,540	-331	-17.7%
32.1%	1,647	1,523	-125	-7.6%
33.3%	1,596	1,482	-114	-7.1%
34.6%	1,476	1,469	-7	-0.5%
35.8%	1,469	1,469	0	0.0%
37.0%	1,469	1,469	0	0.0%
38.3%	1,469	1,468	0	0.0%
39.5%	1,468	1,468	0	0.0%
40.7%	1,463	1,461	-2	-0.1%
42.0%	1,461	1,456	-5	-0.3%
43.2%	1,456	1,450	-6	-0.4%
44.4%	1,449	1,386	-63	-4.4%
45.7%	1,440	1,320	-121	-8.4%
46.9%	1,304	1,312	8	0.6%
48.1%	1,293	1,308	15	1.2%
49.4%	1,253	1,290	37	3.0%
50.6%	1,196	1,285	89	7.4%
51.9%	1,143	1,283	140	12.3%
53.1%	1,089	1,282	194	17.8%
54.3%	1,084	1,270	186	17.2%
55.6%	1,084	1,255	172	15.9%
56.8%	1,066	1,238	171	16.1%
58.0%	1,031	1,219	189	18.3%
59.3%	1,002	1,217	215	21.5%
60.5%	978	1,212	234	23.9%
61.7%	975	1,205	230	23.6%
63.0%	904	1,201	296	32.8%
64.2%	901	1,190	288	32.0%
65.4%	887	1,186	299	33.7%
66.7%	883	1,136	254	28.7%
67.9%	846	1,131	285	33.7%
69.1%	844	1,124	281	33.3%
70.4%	808	1,121	313	38.8%
71.6%	775	1,105	330	42.6%
72.8%	766	1,036	271	35.3%
74.1%	747	1,033	286	38.3%
75.3%	747	966	219	29.3%
76.5%	747	890	142	19.1%
77.8%	747	862	115	15.5%
79.0%	747	827	80	10.7%
80.2%	747	815	68	9.2%
81.5%	746	809	62	8.4%
82.7%	738	782	43	5.9%
84.0%	738	773	34	4.6%
85.2%	738	747	8	1.1%
86.4%	602	747	145	24.1%
87.7%	601	746	146	24.3%
88.9%	511	746	235	45.9%
90.1%	440	745	305	69.4%
91.4%	419	649	230	54.8%
92.6%	417	634	217	52.0%
93.8%	415	634	218	52.5%
95.1%	406	626	220	54.1%
96.3%	380	614	234	61.6%
97.5%	374	551	177	47.3%
98.8%	327	442	116	35.4%
100.0%	314	352	38	12.3%

Figure SW-29-b
American River at H Street, Monthly Flow
Probability of Exceedance

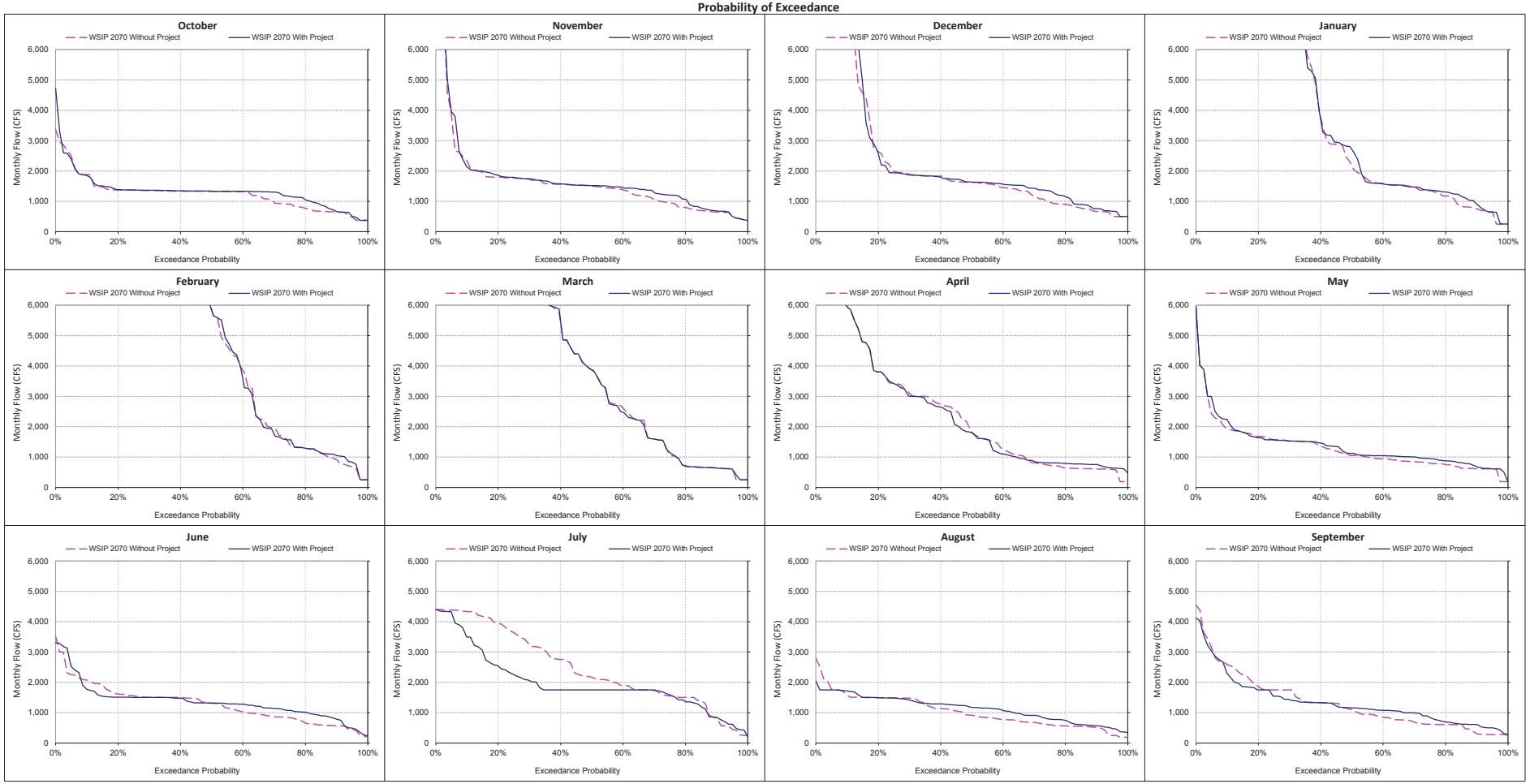


Table SW-29-b

American River at H Street, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,366	4,716	1,350	40.1%
1.2%	2,964	3,324	360	12.1%
2.5%	2,865	2,597	-268	-9.4%
3.7%	2,668	2,583	-86	-3.2%
4.9%	2,508	2,400	-109	-4.3%
6.2%	2,107	2,080	-27	-1.3%
7.4%	1,879	1,906	27	1.4%
8.6%	1,879	1,879	0	0.0%
9.9%	1,879	1,854	-25	-1.3%
11.1%	1,879	1,794	-85	-4.5%
12.3%	1,499	1,585	85	5.7%
13.6%	1,486	1,510	24	1.6%
14.8%	1,477	1,509	31	2.1%
16.0%	1,415	1,484	69	4.9%
17.3%	1,382	1,476	94	6.8%
18.5%	1,380	1,427	47	3.4%
19.8%	1,377	1,379	2	0.2%
21.0%	1,375	1,379	4	0.3%
22.2%	1,372	1,377	5	0.3%
23.5%	1,370	1,375	5	0.4%
24.7%	1,367	1,373	6	0.4%
25.9%	1,365	1,372	7	0.5%
27.2%	1,363	1,370	7	0.5%
28.4%	1,358	1,368	10	0.8%
29.6%	1,356	1,368	12	0.9%
30.9%	1,355	1,363	8	0.6%
32.1%	1,355	1,363	8	0.6%
33.3%	1,352	1,362	11	0.8%
34.6%	1,343	1,358	14	1.1%
35.8%	1,341	1,357	16	1.2%
37.0%	1,337	1,354	17	1.3%
38.3%	1,336	1,353	17	1.2%
39.5%	1,336	1,352	16	1.2%
40.7%	1,335	1,348	13	1.0%
42.0%	1,335	1,344	9	0.7%
43.2%	1,335	1,341	7	0.5%
44.4%	1,334	1,340	6	0.4%
45.7%	1,334	1,340	6	0.4%
46.9%	1,331	1,337	6	0.4%
48.1%	1,331	1,336	5	0.4%
49.4%	1,329	1,336	7	0.5%
50.6%	1,327	1,334	8	0.6%
51.9%	1,326	1,333	7	0.6%
53.1%	1,325	1,331	6	0.4%
54.3%	1,323	1,330	6	0.5%
55.6%	1,323	1,330	7	0.5%
56.8%	1,321	1,329	8	0.6%
58.0%	1,321	1,329	8	0.6%
59.3%	1,318	1,328	10	0.8%
60.5%	1,315	1,328	13	1.0%
61.7%	1,303	1,327	25	1.9%
63.0%	1,199	1,327	128	10.7%
64.2%	1,193	1,325	132	11.1%
65.4%	1,178	1,320	143	12.1%
66.7%	1,087	1,318	230	21.2%
67.9%	1,079	1,317	238	22.0%
69.1%	1,046	1,309	263	25.2%
70.4%	935	1,309	373	39.9%
71.6%	932	1,282	350	37.5%
72.8%	918	1,197	280	30.5%
74.1%	912	1,180	269	29.5%
75.3%	906	1,162	256	28.2%
76.5%	836	1,139	302	36.2%
77.8%	822	1,132	310	37.7%
79.0%	800	1,127	328	41.0%
80.2%	763	1,045	282	36.9%
81.5%	756	1,007	250	33.1%
82.7%	683	966	283	41.4%
84.0%	676	935	259	38.3%
85.2%	666	872	205	30.8%
86.4%	663	836	173	26.1%
87.7%	655	760	104	15.9%
88.9%	654	720	66	10.1%
90.1%	643	654	11	1.7%
91.4%	642	647	5	0.7%
92.6%	642	642	0	0.0%
93.8%	500	639	139	27.8%
95.1%	478	500	22	4.7%
96.3%	376	473	97	25.7%
97.5%	375	375	0	0.0%
98.8%	375	375	0	0.0%
100.0%	375	375	0	0.0%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,660	15,003	344	2.3%
1.2%	12,333	11,990	-343	-2.8%
2.5%	7,498	7,439	-59	-0.8%
3.7%	4,575	5,009	434	9.5%
4.9%	3,903	3,967	64	1.6%
6.2%	2,663	3,785	1,121	42.1%
7.4%	2,625	2,661	36	1.4%
8.6%	2,479	2,391	-88	-3.6%
9.9%	2,361	2,142	-220	-9.3%
11.1%	2,090	2,044	-46	-2.2%
12.3%	2,045	2,014	-32	-1.5%
13.6%	2,000	2,000	0	0.0%
14.8%	1,968	2,000	32	1.6%
16.0%	1,817	1,963	147	8.1%
17.3%	1,802	1,951	149	8.3%
18.5%	1,797	1,896	99	5.5%
19.8%	1,797	1,866	70	3.9%
21.0%	1,796	1,822	26	1.4%
22.2%	1,776	1,802	26	1.5%
23.5%	1,775	1,797	22	1.2%
24.7%	1,773	1,790	17	0.9%
25.9%	1,758	1,777	19	1.1%
27.2%	1,758	1,759	1	0.0%
28.4%	1,755	1,740	-15	-0.8%
29.6%	1,745	1,735	-11	-0.6%
30.9%	1,740	1,700	-40	-2.3%
32.1%	1,723	1,696	-27	-1.5%
33.3%	1,700	1,694	-5	-0.3%
34.6%	1,592	1,675	83	5.2%
35.8%	1,582	1,664	82	5.2%
37.0%	1,577	1,613	36	2.3%
38.3%	1,565	1,582	17	1.1%
39.5%	1,562	1,577	15	1.0%
40.7%	1,554	1,575	21	1.4%
42.0%	1,548	1,563	15	1.0%
43.2%	1,547	1,542	-5	-0.3%
44.4%	1,545	1,538	-7	-0.4%
45.7%	1,541	1,531	-9	-0.6%
46.9%	1,530	1,531	1	0.1%
48.1%	1,519	1,528	9	0.6%
49.4%	1,510	1,521	11	0.7%
50.6%	1,492	1,519	27	1.8%
51.9%	1,488	1,516	28	1.9%
53.1%	1,470	1,515	45	3.1%
54.3%	1,446	1,515	69	4.8%
55.6%	1,440	1,493	53	3.7%
56.8%	1,430	1,481	51	3.5%
58.0%	1,409	1,476	68	4.8%
59.3%	1,403	1,474	71	5.1%
60.5%	1,362	1,433	71	5.2%
61.7%	1,335	1,432	97	7.3%
63.0%	1,245	1,431	186	14.9%
64.2%	1,200	1,427	227	18.9%
65.4%	1,197	1,393	196	16.4%
66.7%	1,180	1,390	210	17.8%
67.9%	1,155	1,368	213	18.4%
69.1%	1,112	1,366	253	22.8%
70.4%	1,027	1,264	237	23.1%
71.6%	1,008	1,246	237	23.6%
72.8%	984	1,228	244	24.8%
74.1%	968	1,210	242	25.1%
75.3%	952	1,204	252	26.4%
76.5%	925	1,200	275	29.7%
77.8%	813	1,174	362	44.5%
79.0%	808	1,079	271	33.5%
80.2%	797	1,067	270	33.9%
81.5%	753	877	124	16.4%
82.7%	720	836	115	16.0%
84.0%	707	825	117	16.6%
85.2%	694	777	83	12.0%
86.4%	680	740	61	8.9%
87.7%	679	711	32	4.7%
88.9%	648	694	46	7.1%
90.1%	647	679	33	5.0%
91.4%	637	673	36	5.7%
92.6%	635	671	35	5.6%
93.8%	635	648	13	2.0%
95.1%	500	500	0	0.0%
96.3%	447	447	0	0.0%
97.5%	427	427	0	0.0%
98.8%	391	391	0	0.0%
100.0%	375	375	0	0.0%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,870	23,873	3	0.0%
1.2%	21,347	21,420	73	0.3%
2.5%	21,007	21,344	337	1.6%
3.7%	20,220	20,230	10	0.1%
4.9%	20,042	20,052	10	0.1%
6.2%	19,114	19,111	-4	0.0%
7.4%	18,281	18,286	5	0.0%
8.6%	15,097	15,094	-4	0.0%
9.9%	14,453	13,779	-674	-4.7%
11.1%	10,314	9,456	-857	-8.3%
12.3%	6,291	6,748	458	7.3%
13.6%	4,820	6,167	1,347	28.0%
14.8%	4,591	5,030	439	9.6%
16.0%	4,429	3,588	-841	-19.0%
17.3%	3,658	3,094	-564	-15.4%
18.5%	2,747	2,907	160	5.8%
19.8%	2,656	2,657	1	0.0%
21.0%	2,571	2,193	-378	-14.7%
22.2%	2,307	2,187	-121	-5.2%
23.5%	2,221	1,945	-276	-12.4%
24.7%	2,000	1,940	-60	-3.0%
25.9%	1,956	1,938	-18	-0.9%
27.2%	1,945	1,923	-23	-1.2%
28.4%	1,940	1,905	-35	-1.8%
29.6%	1,898	1,870	-28	-1.5%
30.9%	1,871	1,866	-5	-0.3%
32.1%	1,866	1,862	-3	-0.2%
33.3%	1,862	1,843	-19	-1.0%
34.6%	1,849	1,840	-9	-0.5%
35.8%	1,837	1,838	1	0.0%
37.0%	1,836	1,838	1	0.1%
38.3%	1,832	1,821	-10	-0.6%
39.5%	1,829	1,811	-18	-1.0%
40.7%	1,828	1,757	-71	-3.9%
42.0%	1,724	1,749	25	1.4%
43.2%	1,670	1,735	65	3.9%
44.4%	1,654	1,729	75	4.5%
45.7%	1,645	1,722	77	4.7%
46.9%	1,636	1,693	58	3.5%
48.1%	1,632	1,641	9	0.6%
49.4%	1,631	1,637	7	0.4%
50.6%	1,628	1,632	4	0.3%
51.9%	1,624	1,631	7	0.4%
53.1%	1,590	1,628	37	2.4%
54.3%	1,582	1,624	42	2.7%
55.6%	1,573	1,611	38	2.4%
56.8%	1,556	1,600	44	2.8%
58.0%	1,511	1,589	78	5.2%
59.3%	1,460	1,584	123	8.4%
60.5%	1,447	1,552	105	7.3%
61.7%	1,428	1,544	116	8.1%
63.0%	1,419	1,535	116	8.2%
64.2%	1,403	1,527	123	8.8%
65.4%	1,351	1,526	175	12.9%
66.7%	1,351	1,518	167	12.4%
67.9%	1,325	1,443	119	8.9%
69.1%	1,216	1,433	217	17.9%
70.4%	1,159	1,428	269	23.2%
71.6%	1,085	1,377	292	26.9%
72.8%	1,078	1,375	298	27.6%
74.1%	989	1,356	367	37.1%
75.3%	964	1,340	376	39.0%
76.5%	922	1,254	332	36.0%
77.8%	915	1,201	286	31.2%
79.0%	901	1,194	293	32.5%
80.2%	897	1,142	245	27.3%
81.5%	874	1,089	214	24.5%
82.7%	811	915	105	12.9%
84.0%	806	900	93	11.6%
85.2%	768	891	123	16.0%
86.4%	760	889	129	17.0%
87.7%	742	846	105	14.1%
88.9%	683	764	81	11.9%
90.1%	662	760	98	14.9%
91.4%	660	746	86	13.0%
92.6%	657	693	36	5.5%
93.8%	647	689	42	6.4%
95.1%	500	676	176	35.3%
96.3%	500	667	167	33.5%
97.5%	500	500	0	0.0%
98.8%	500	500	0	0.0%
100.0%	500	500	0	0.0%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,001	40,999	-2	0.0%
1.2%	29,906	29,901	-5	0.0%
2.5%	29,612	29,474	-138	-0.5%
3.7%	29,182	29,185	3	0.0%
4.9%	27,559	27,557	-2	0.0%
6.2%	25,921	25,906	-15	-0.1%
7.4%	24,999	25,001	1	0.0%
8.6%	22,399	22,399	0	0.0%
9.9%	21,667	21,667	0	0.0%
11.1%	20,605	20,939	334	1.6%
12.3%	19,969	19,969	0	0.0%
13.6%	17,878	17,878	0	0.0%
14.8%	16,349	16,350	1	0.0%
16.0%	15,696	15,695	-1	0.0%
17.3%	14,486	14,422	-65	-0.4%
18.5%	14,486	13,445	-1,041	-7.2%
19.8%	13,432	13,367	-65	-0.5%
21.0%	12,711	12,575	-136	-1.1%
22.2%	11,475	11,471	-4	0.0%
23.5%	9,932	9,933	1	0.0%
24.7%	9,926	9,928	2	0.0%
25.9%	9,790	9,793	3	0.0%
27.2%	9,084	9,091	8	0.1%
28.4%	8,966	8,971	5	0.1%
29.6%	8,162	8,165	3	0.0%
30.9%	8,110	8,117	7	0.1%
32.1%	6,815	6,826	11	0.2%
33.3%	6,792	6,792	0	0.0%
34.6%	6,404	6,533	130	2.0%
35.8%	5,757	5,400	-357	-6.2%
37.0%	5,410	5,285	-126	-2.3%
38.3%	4,905	5,069	164	3.3%
39.5%	3,978	3,962	-16	-0.4%
40.7%	3,439	3,275	-164	-4.8%
42.0%	2,972	3,187	215	7.2%
43.2%	2,891	3,173	282	9.8%
44.4%	2,884	2,951	67	2.3%
45.7%	2,870	2,944	74	2.6%
46.9%	2,862	2,866	4	0.1%
48.1%	2,460	2,820	361	14.7%
49.4%	2,305	2,803	498	21.6%
50.6%	2,042	2,615	574	28.1%
51.9%	1,947	2,380	433	22.2%
53.1%	1,902	1,902	0	0.0%
54.3%	1,770	1,645	-124	-7.0%
55.6%	1,674	1,617	-56	-3.4%
56.8%	1,645	1,600	-45	-2.7%
58.0%	1,600	1,594	-6	-0.4%
59.3%	1,595	1,585	-9	-0.6%
60.5%	1,585	1,563	-22	-1.4%
61.7%	1,548	1,542	-6	-0.4%
63.0%	1,542	1,541	-1	-0.1%
64.2%	1,540	1,540	0	0.0%
65.4%	1,538	1,538	0	0.0%
66.7%	1,531	1,514	-17	-1.1%
67.9%	1,514	1,484	-31	-2.0%
69.1%	1,483	1,476	-7	-0.5%
70.4%	1,466	1,470	4	0.3%
71.6%	1,372	1,463	91	6.6%
72.8%	1,366	1,394	28	2.1%
74.1%	1,362	1,370	8	0.6%
75.3%	1,353	1,367	15	1.1%
76.5%	1,305	1,361	55	4.2%
77.8%	1,299	1,340	40	3.1%
79.0%	1,181	1,317	136	11.5%
80.2%	1,175	1,304	128	10.9%
81.5%	1,173	1,278	105	9.0%
82.7%	1,083	1,238	155	14.3%
84.0%	890	1,236	346	38.8%
85.2%	831	1,162	331	39.8%
86.4%	814	1,110	296	36.4%
87.7%	810	1,028	218	26.9%
88.9%	789	1,023	234	29.6%
90.1%	753	898	145	19.2%
91.4%	696	791	95	13.7%
92.6%	691	707	16	2.3%
93.8%	663	648	-15	-2.3%
95.1%	650	644	-7	-1.0%
96.3%	250	636	386	
97.5%	250	250	0	
98.8%	250	250	0	
100.0%	250	250	0	

Table SW-29-b

American River at H Street, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,203	42,203	0	0.0%
1.2%	32,715	32,707	-8	0.0%
2.5%	32,419	32,419	0	0.0%
3.7%	23,198	23,199	1	0.0%
4.9%	22,674	22,672	-2	0.0%
6.2%	22,020	22,016	-4	0.0%
7.4%	21,197	21,197	0	0.0%
8.6%	20,907	20,905	-2	0.0%
9.9%	20,489	20,480	-9	0.0%
11.1%	20,203	20,203	0	0.0%
12.3%	20,103	20,104	1	0.0%
13.6%	20,003	19,740	-263	-1.3%
14.8%	19,622	19,619	-3	0.0%
16.0%	18,618	18,619	1	0.0%
17.3%	17,754	17,800	46	0.3%
18.5%	17,612	17,612	0	0.0%
19.8%	16,183	16,183	0	0.0%
21.0%	16,182	16,182	0	0.0%
22.2%	14,608	14,608	0	0.0%
23.5%	14,402	14,402	0	0.0%
24.7%	14,152	14,163	11	0.1%
25.9%	12,577	12,436	-141	-1.1%
27.2%	12,436	12,338	-98	-0.8%
28.4%	12,338	12,279	-59	-0.5%
29.6%	11,693	11,693	0	0.0%
30.9%	10,506	10,504	-1	0.0%
32.1%	10,251	9,590	-661	-6.4%
33.3%	9,297	9,297	0	0.0%
34.6%	8,992	9,263	272	3.0%
35.8%	8,232	8,313	81	1.0%
37.0%	7,856	8,234	378	4.8%
38.3%	7,723	7,587	-136	-1.8%
39.5%	7,586	7,469	-117	-1.5%
40.7%	7,269	7,270	1	0.0%
42.0%	7,131	7,130	-1	0.0%
43.2%	6,865	6,860	-5	-0.1%
44.4%	6,603	6,603	0	0.0%
45.7%	6,472	6,472	0	0.0%
46.9%	6,184	6,184	0	0.0%
48.1%	6,169	6,170	2	0.0%
49.4%	6,037	6,037	0	0.0%
50.6%	5,646	5,648	1	0.0%
51.9%	5,591	5,591	0	0.0%
53.1%	4,931	5,510	578	11.7%
54.3%	4,749	4,934	185	3.9%
55.6%	4,568	4,735	167	3.7%
56.8%	4,363	4,463	100	2.3%
58.0%	4,301	4,363	62	1.4%
59.3%	3,961	3,962	1	0.0%
60.5%	3,780	3,279	-501	-13.2%
61.7%	3,279	3,271	-8	-0.3%
63.0%	3,272	3,055	-217	-6.6%
64.2%	2,354	2,351	-3	-0.1%
65.4%	2,243	2,244	1	0.1%
66.7%	2,233	1,978	-255	-11.4%
67.9%	2,002	1,941	-62	-3.1%
69.1%	1,976	1,938	-37	-1.9%
70.4%	1,940	1,690	-250	-12.9%
71.6%	1,714	1,662	-53	-3.1%
72.8%	1,689	1,591	-97	-5.8%
74.1%	1,570	1,570	0	0.0%
75.3%	1,360	1,570	210	15.5%
76.5%	1,329	1,319	-10	-0.8%
77.8%	1,325	1,314	-11	-0.8%
79.0%	1,314	1,308	-6	-0.5%
80.2%	1,282	1,282	0	0.0%
81.5%	1,269	1,269	0	0.0%
82.7%	1,266	1,266	0	0.0%
84.0%	1,156	1,188	31	2.7%
85.2%	1,112	1,134	22	1.9%
86.4%	1,062	1,114	52	4.9%
87.7%	980	1,100	120	12.3%
88.9%	964	1,093	128	13.3%
90.1%	905	1,047	142	15.7%
91.4%	761	1,028	267	35.0%
92.6%	757	1,012	255	33.6%
93.8%	708	854	146	20.6%
95.1%	679	832	153	22.5%
96.3%	635	758	123	19.3%
97.5%	250	250	0	
98.8%	250	250	0	
100.0%	250	250	0	

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,520	25,520	0	0.0%
1.2%	24,488	24,488	0	0.0%
2.5%	21,135	21,131	-5	0.0%
3.7%	17,200	17,200	0	0.0%
4.9%	16,829	16,829	0	0.0%
6.2%	16,404	16,404	0	0.0%
7.4%	15,533	15,533	0	0.0%
8.6%	14,524	14,524	0	0.0%
9.9%	12,805	12,809	4	0.0%
11.1%	10,871	10,871	0	0.0%
12.3%	10,506	10,506	0	0.0%
13.6%	10,305	10,296	-8	-0.1%
14.8%	10,202	10,201	-1	0.0%
16.0%	10,051	10,051	0	0.0%
17.3%	9,940	9,939	-1	0.0%
18.5%	9,586	9,585	0	0.0%
19.8%	8,796	8,798	2	0.0%
21.0%	8,415	8,415	0	0.0%
22.2%	8,238	8,238	0	0.0%
23.5%	8,180	8,180	0	0.0%
24.7%	8,136	8,136	0	0.0%
25.9%	8,029	8,031	2	0.0%
27.2%	7,936	7,833	-103	-1.3%
28.4%	7,615	7,609	-5	-0.1%
29.6%	7,580	7,584	3	0.0%
30.9%	6,430	6,425	-5	-0.1%
32.1%	6,326	6,315	-11	-0.2%
33.3%	6,271	6,271	-1	0.0%
34.6%	6,126	6,126	0	0.0%
35.8%	6,028	6,028	0	0.0%
37.0%	5,977	5,975	-2	0.0%
38.3%	5,883	5,930	47	0.8%
39.5%	5,771	5,883	113	2.0%
40.7%	4,863	4,863	0	0.0%
42.0%	4,853	4,853	0	0.0%
43.2%	4,598	4,598	0	0.0%
44.4%	4,401	4,401	0	0.0%
45.7%	4,399	4,399	0	0.0%
46.9%	4,133	4,134	1	0.0%
48.1%	4,018	4,018	0	0.0%
49.4%	3,906	3,906	0	0.0%
50.6%	3,832	3,833	2	0.0%
51.9%	3,626	3,626	0	0.0%
53.1%	3,378	3,380	2	0.1%
54.3%	3,282	3,283	0	0.0%
55.6%	2,798	2,760	-38	-1.4%
56.8%	2,760	2,712	-47	-1.7%
58.0%	2,731	2,695	-37	-1.3%
59.3%	2,695	2,503	-192	-7.1%
60.5%	2,558	2,449	-109	-4.3%
61.7%	2,443	2,300	-143	-5.9%
63.0%	2,300	2,275	-25	-1.1%
64.2%	2,238	2,225	-13	-0.6%
65.4%	2,226	2,209	-16	-0.7%
66.7%	2,209	2,066	-144	-6.5%
67.9%	1,632	1,633	1	0.1%
69.1%	1,597	1,597	0	0.0%
70.4%	1,587	1,587	0	0.0%
71.6%	1,555	1,555	0	0.0%
72.8%	1,551	1,552	1	0.1%
74.1%	1,239	1,241	2	0.1%
75.3%	1,042	1,124	82	7.9%
76.5%	1,035	1,042	7	0.7%
77.8%	951	951	0	0.0%
79.0%	739	739	0	0.0%
80.2%	710	686	-24	-3.4%
81.5%	685	680	-6	-0.8%
82.7%	680	677	-3	-0.4%
84.0%	677	663	-15	-2.2%
85.2%	663	656	-6	-1.0%
86.4%	657	651	-6	-0.9%
87.7%	656	650	-6	-1.0%
88.9%	651	641	-9	-1.5%
90.1%	642	638	-4	-0.6%
91.4%	634	628	-6	-0.9%
92.6%	615	615	0	0.0%
93.8%	613	613	0	0.1%
95.1%	603	597	-6	-0.9%
96.3%	250	411	161	
97.5%	250	250	0	
98.8%	250	250	0	
100.0%	250	250	0	

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,737	20,731	-5	0.0%
1.2%	19,388	19,388	0	0.0%
2.5%	11,880	11,880	0	0.0%
3.7%	10,987	10,983	-4	0.0%
4.9%	10,960	10,960	0	0.0%
6.2%	7,489	7,489	0	0.0%
7.4%	6,496	6,496	0	0.0%
8.6%	6,170	6,170	0	0.0%
9.9%	5,959	5,959	0	0.0%
11.1%	5,854	5,854	0	0.0%
12.3%	5,506	5,506	0	0.0%
13.6%	5,227	5,219	-8	-0.2%
14.8%	4,798	4,798	0	0.0%
16.0%	4,767	4,766	-1	0.0%
17.3%	4,559	4,559	0	0.0%
18.5%	3,849	3,849	0	0.0%
19.8%	3,807	3,803	-4	-0.1%
21.0%	3,803	3,798	-5	-0.1%
22.2%	3,659	3,660	1	0.0%
23.5%	3,445	3,499	54	1.6%
24.7%	3,434	3,433	0	0.0%
25.9%	3,416	3,382	-34	-1.0%
27.2%	3,382	3,283	-100	-2.9%
28.4%	3,246	3,246	0	0.0%
29.6%	3,143	3,013	-131	-4.2%
30.9%	3,013	3,000	-13	-0.4%
32.1%	3,000	3,000	0	0.0%
33.3%	3,000	2,991	-9	-0.3%
34.6%	3,000	2,965	-35	-1.2%
35.8%	2,991	2,784	-207	-6.9%
37.0%	2,907	2,758	-149	-5.1%
38.3%	2,801	2,677	-125	-4.4%
39.5%	2,759	2,652	-107	-3.9%
40.7%	2,689	2,618	-70	-2.6%
42.0%	2,676	2,531	-146	-5.4%
43.2%	2,652	2,496	-156	-5.9%
44.4%	2,530	2,075	-454	-18.0%
45.7%	2,470	2,016	-455	-18.4%
46.9%	2,224	1,897	-327	-14.7%
48.1%	2,185	1,844	-341	-15.6%
49.4%	1,932	1,823	-109	-5.6%
50.6%	1,735	1,766	30	1.8%
51.9%	1,685	1,610	-75	-4.5%
53.1%	1,604	1,607	3	0.2%
54.3%	1,591	1,591	0	0.0%
55.6%	1,557	1,557	0	0.0%
56.8%	1,473	1,219	-254	-17.3%
58.0%	1,468	1,168	-300	-20.4%
59.3%	1,299	1,108	-192	-14.8%
60.5%	1,219	1,095	-124	-10.1%
61.7%	1,168	1,059	-109	-9.3%
63.0%	1,108	1,025	-83	-7.5%
64.2%	1,095	1,006	-89	-8.2%
65.4%	1,058	953	-104	-9.9%
66.7%	1,026	949	-77	-7.5%
67.9%	892	894	2	0.2%
69.1%	821	892	71	8.6%
70.4%	803	839	36	4.5%
71.6%	787	821	33	4.3%
72.8%	769	816	47	6.1%
74.1%	738	812	73	9.9%
75.3%	718	807	89	12.4%
76.5%	711	804	93	13.1%
77.8%	706	803	97	13.7%
79.0%	653	798	144	22.1%
80.2%	634	787	154	24.3%
81.5%	631	777	147	23.2%
82.7%	625	772	147	23.6%
84.0%	622	769	147	23.6%
85.2%	619	769	150	24.2%
86.4%	616	765	149	24.1%
87.7%	614	757	142	23.1%
88.9%	612	757	145	23.7%
90.1%	605	754	149	24.5%
91.4%	605	712	108	17.8%
92.6%	604	676	72	11.9%
93.8%	598	654	56	9.4%
95.1%	593	635	42	7.2%
96.3%	569	634	65	11.5%
97.5%	188	622	434	231.0%
98.8%	188	605	417	222.0%
100.0%	188	468	280	148.7%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,966	5,966	0	0.0%
1.2%	4,025	4,025	0	0.0%
2.5%	3,888	3,888	0	0.0%
3.7%	3,000	3,000	0	0.0%
4.9%	2,428	3,000	572	23.6%
6.2%	2,281	2,501	221	9.7%
7.4%	2,250	2,332	82	3.6%
8.6%	2,050	2,250	200	9.8%
9.9%	1,919	2,245	326	17.0%
11.1%	1,905	2,041	136	7.1%
12.3%	1,864	1,894	30	1.6%
13.6%	1,856	1,864	9	0.5%
14.8%	1,805	1,824	20	1.1%
16.0%	1,788	1,786	-1	-0.1%
17.3%	1,772	1,693	-79	-4.5%
18.5%	1,695	1,673	-22	-1.3%
19.8%	1,676	1,637	-39	-2.3%
21.0%	1,673	1,635	-38	-2.2%
22.2%	1,662	1,571	-91	-5.5%
23.5%	1,603	1,569	-34	-2.1%
24.7%	1,571	1,568	-3	-0.2%
25.9%	1,570	1,552	-19	-1.2%
27.2%	1,568	1,551	-17	-1.1%
28.4%	1,551	1,548	-3	-0.2%
29.6%	1,522	1,536	14	0.9%
30.9%	1,521	1,522	1	0.0%
32.1%	1,520	1,522	2	0.1%
33.3%	1,517	1,520	3	0.2%
34.6%	1,511	1,517	6	0.4%
35.8%	1,506	1,509	3	0.2%
37.0%	1,501	1,506	5	0.3%
38.3%	1,459	1,501	43	2.9%
39.5%	1,372	1,468	96	7.0%
40.7%	1,333	1,446	113	8.5%
42.0%	1,271	1,372	101	7.9%
43.2%	1,267	1,357	90	7.1%
44.4%	1,211	1,355	143	11.8%
45.7%	1,167	1,333	166	14.2%
46.9%	1,128	1,211	83	7.4%
48.1%	1,123	1,128	5	0.4%
49.4%	1,051	1,123	72	6.8%
50.6%	1,051	1,119	68	6.4%
51.9%	1,050	1,074	23	2.2%
53.1%	1,038	1,064	26	2.5%
54.3%	1,005	1,057	53	5.2%
55.6%	991	1,056	65	6.6%
56.8%	969	1,049	80	8.2%
58.0%	948	1,049	100	10.6%
59.3%	936	1,044	107	11.5%
60.5%	936	1,042	106	11.3%
61.7%	929	1,035	106	11.4%
63.0%	907	1,033	126	13.9%
64.2%	894	1,026	132	14.8%
65.4%	868	1,019	152	17.5%
66.7%	865	1,013	148	17.2%
67.9%	857	1,010	153	17.8%
69.1%	852	1,004	152	17.8%
70.4%	844	1,001	157	18.5%
71.6%	832	966	134	16.1%
72.8%	830	957	126	15.2%
74.1%	829	957	127	15.4%
75.3%	784	944	159	20.3%
76.5%	782	938	156	19.9%
77.8%	782	896	114	14.6%
79.0%	775	878	103	13.3%
80.2%	745	872	127	17.0%
81.5%	741	861	120	16.2%
82.7%	697	855	158	22.7%
84.0%	688	818	130	19.0%
85.2%	629	816	187	29.7%
86.4%	627	784	158	25.1%
87.7%	621	782	160	25.8%
88.9%	619	728	109	17.7%
90.1%	613	680	68	11.0%
91.4%	610	646	36	5.9%
92.6%	609	627	18	2.9%
93.8%	608	621	13	2.1%
95.1%	607	608	1	0.1%
96.3%	605	606	1	0.1%
97.5%	188	605	417	221.7%
98.8%	188	496	308	163.7%
100.0%	188	188	0	0.0%

Table SW-29-b

American River at H Street, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,512	3,308	-204	-5.8%
1.2%	3,000	3,285	285	9.5%
2.5%	3,000	3,181	181	6.0%
3.7%	2,313	3,125	812	35.1%
4.9%	2,250	2,532	282	12.5%
6.2%	2,241	2,404	163	7.3%
7.4%	2,146	2,326	180	8.4%
8.6%	2,095	1,908	-187	-8.9%
9.9%	2,077	1,776	-301	-14.5%
11.1%	2,033	1,735	-299	-14.7%
12.3%	1,959	1,710	-249	-12.7%
13.6%	1,957	1,575	-382	-19.5%
14.8%	1,936	1,542	-393	-20.3%
16.0%	1,788	1,530	-259	-14.5%
17.3%	1,715	1,521	-193	-11.3%
18.5%	1,654	1,514	-140	-8.5%
19.8%	1,616	1,511	-105	-6.5%
21.0%	1,607	1,511	-96	-6.0%
22.2%	1,603	1,508	-95	-5.9%
23.5%	1,573	1,507	-66	-4.2%
24.7%	1,564	1,504	-60	-3.9%
25.9%	1,534	1,504	-31	-2.0%
27.2%	1,514	1,504	-10	-0.7%
28.4%	1,511	1,502	-9	-0.6%
29.6%	1,507	1,502	-4	-0.3%
30.9%	1,504	1,502	-2	-0.1%
32.1%	1,504	1,501	-2	-0.2%
33.3%	1,504	1,500	-3	-0.2%
34.6%	1,502	1,500	-2	-0.2%
35.8%	1,502	1,499	-3	-0.2%
37.0%	1,502	1,494	-8	-0.5%
38.3%	1,501	1,479	-22	-1.5%
39.5%	1,500	1,477	-23	-1.6%
40.7%	1,499	1,477	-22	-1.5%
42.0%	1,479	1,379	-100	-6.8%
43.2%	1,477	1,352	-125	-8.4%
44.4%	1,477	1,324	-153	-10.4%
45.7%	1,446	1,322	-124	-8.6%
46.9%	1,351	1,320	-31	-2.3%
48.1%	1,351	1,319	-32	-2.4%
49.4%	1,317	1,316	-1	0.0%
50.6%	1,312	1,315	3	0.3%
51.9%	1,300	1,313	12	1.0%
53.1%	1,269	1,309	40	3.1%
54.3%	1,163	1,302	139	12.0%
55.6%	1,148	1,290	142	12.4%
56.8%	1,122	1,285	163	14.6%
58.0%	1,075	1,285	210	19.6%
59.3%	1,044	1,281	236	22.6%
60.5%	1,005	1,276	271	27.0%
61.7%	989	1,248	259	26.2%
63.0%	980	1,242	261	26.7%
64.2%	972	1,213	240	24.7%
65.4%	949	1,212	263	27.7%
66.7%	926	1,159	233	25.2%
67.9%	895	1,154	259	29.0%
69.1%	871	1,148	277	31.8%
70.4%	859	1,135	276	32.1%
71.6%	857	1,130	274	31.9%
72.8%	856	1,109	253	29.6%
74.1%	849	1,077	228	26.9%
75.3%	832	1,076	244	29.3%
76.5%	806	1,042	236	29.3%
77.8%	748	1,028	280	37.5%
79.0%	720	1,026	306	42.5%
80.2%	646	1,017	371	57.4%
81.5%	634	975	340	53.7%
82.7%	631	949	317	50.3%
84.0%	596	932	336	56.4%
85.2%	594	894	300	50.5%
86.4%	581	893	313	53.8%
87.7%	580	861	281	48.4%
88.9%	570	821	252	44.2%
90.1%	568	784	216	38.0%
91.4%	565	748	183	32.5%
92.6%	560	566	6	1.1%
93.8%	439	503	64	14.5%
95.1%	438	490	52	11.9%
96.3%	422	450	28	6.6%
97.5%	245	345	100	40.7%
98.8%	235	266	31	13.1%
100.0%	188	239	51	26.9%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,401	4,403	2	0.1%
1.2%	4,399	4,351	-49	-1.1%
2.5%	4,386	4,332	-54	-1.2%
3.7%	4,385	4,332	-52	-1.2%
4.9%	4,379	4,326	-53	-1.2%
6.2%	4,377	3,953	-424	-9.7%
7.4%	4,373	3,900	-474	-10.8%
8.6%	4,350	3,805	-545	-12.5%
9.9%	4,332	3,495	-837	-19.3%
11.1%	4,332	3,485	-847	-19.5%
12.3%	4,329	3,216	-1,113	-25.7%
13.6%	4,210	3,174	-1,037	-24.6%
14.8%	4,179	3,070	-1,109	-26.5%
16.0%	4,144	2,737	-1,407	-33.9%
17.3%	4,138	2,657	-1,481	-35.8%
18.5%	3,990	2,584	-1,406	-35.2%
19.8%	3,934	2,551	-1,383	-35.1%
21.0%	3,926	2,442	-1,484	-37.8%
22.2%	3,822	2,419	-1,403	-36.7%
23.5%	3,718	2,330	-1,388	-37.3%
24.7%	3,655	2,275	-1,380	-37.7%
25.9%	3,576	2,200	-1,377	-38.5%
27.2%	3,472	2,159	-1,313	-37.8%
28.4%	3,435	2,089	-1,346	-39.2%
29.6%	3,288	2,075	-1,213	-36.9%
30.9%	3,184	2,017	-1,167	-36.7%
32.1%	3,174	2,013	-1,161	-36.6%
33.3%	3,154	1,820	-1,334	-42.3%
34.6%	3,095	1,750	-1,345	-43.5%
35.8%	2,960	1,750	-1,210	-40.9%
37.0%	2,782	1,750	-1,032	-37.1%
38.3%	2,774	1,750	-1,024	-36.9%
39.5%	2,754	1,750	-1,004	-36.5%
40.7%	2,754	1,750	-1,004	-36.4%
42.0%	2,702	1,750	-952	-35.2%
43.2%	2,639	1,750	-889	-33.7%
44.4%	2,311	1,750	-561	-24.3%
45.7%	2,260	1,750	-510	-22.6%
46.9%	2,219	1,750	-469	-21.1%
48.1%	2,207	1,750	-457	-20.7%
49.4%	2,183	1,750	-433	-19.8%
50.6%	2,143	1,750	-393	-18.3%
51.9%	2,096	1,750	-346	-16.5%
53.1%	2,093	1,750	-343	-16.4%
54.3%	2,086	1,750	-336	-16.1%
55.6%	2,062	1,750	-312	-15.1%
56.8%	2,013	1,750	-263	-13.1%
58.0%	1,979	1,750	-229	-11.6%
59.3%	1,902	1,750	-152	-8.0%
60.5%	1,893	1,750	-143	-7.5%
61.7%	1,887	1,750	-137	-7.3%
63.0%	1,791	1,750	-41	-2.3%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,750	1,750	0	0.0%
67.9%	1,750	1,750	0	0.0%
69.1%	1,750	1,750	0	0.0%
70.4%	1,750	1,727	-23	-1.3%
71.6%	1,654	1,713	59	3.6%
72.8%	1,592	1,681	88	5.6%
74.1%	1,558	1,622	64	4.1%
75.3%	1,553	1,570	16	1.1%
76.5%	1,541	1,516	-25	-1.6%
77.8%	1,504	1,425	-78	-5.2%
79.0%	1,503	1,422	-80	-5.3%
80.2%	1,503	1,359	-144	-9.6%
81.5%	1,502	1,357	-144	-9.6%
82.7%	1,501	1,319	-182	-12.1%
84.0%	1,397	1,285	-112	-8.0%
85.2%	1,393	1,189	-205	-14.7%
86.4%	1,289	1,114	-176	-13.6%
87.7%	907	870	-37	-4.1%
88.9%	849	856	7	0.8%
90.1%	814	840	26	3.2%
91.4%	578	765	187	32.4%
92.6%	560	709	149	26.6%
93.8%	559	622	63	11.2%
95.1%	446	617	171	38.4%
96.3%	422	485	64	15.1%
97.5%	263	435	173	65.8%
98.8%	256	430	174	67.9%
100.0%	240	203	-37	-15.4%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,793	2,044	-749	-26.8%
1.2%	2,521	1,750	-771	-30.6%
2.5%	2,118	1,750	-368	-17.4%
3.7%	2,049	1,750	-299	-14.6%
4.9%	1,781	1,750	-31	-1.8%
6.2%	1,750	1,750	0	0.0%
7.4%	1,750	1,738	-12	-0.7%
8.6%	1,708	1,730	21	1.2%
9.9%	1,575	1,718	143	9.1%
11.1%	1,508	1,702	194	12.9%
12.3%	1,507	1,683	177	11.7%
13.6%	1,506	1,585	79	5.2%
14.8%	1,505	1,503	-2	-0.1%
16.0%	1,499	1,502	3	0.2%
17.3%	1,497	1,499	1	0.1%
18.5%	1,497	1,498	1	0.1%
19.8%	1,493	1,493	0	0.0%
21.0%	1,489	1,489	0	0.0%
22.2%	1,488	1,484	-4	-0.3%
23.5%	1,487	1,483	-4	-0.3%
24.7%	1,487	1,481	-6	-0.4%
25.9%	1,481	1,477	-4	-0.3%
27.2%	1,480	1,458	-22	-1.5%
28.4%	1,477	1,446	-31	-2.1%
29.6%	1,477	1,425	-52	-3.5%
30.9%	1,472	1,386	-86	-5.8%
32.1%	1,448	1,359	-89	-6.1%
33.3%	1,357	1,322	-35	-2.6%
34.6%	1,336	1,306	-30	-2.2%
35.8%	1,233	1,301	68	5.5%
37.0%	1,186	1,291	105	8.8%
38.3%	1,141	1,290	149	13.1%
39.5%	1,139	1,288	149	13.1%
40.7%	1,129	1,286	157	13.9%
42.0%	1,127	1,268	140	12.5%
43.2%	1,080	1,264	184	17.0%
44.4%	1,068	1,256	189	17.7%
45.7%	1,039	1,239	199	19.2%
46.9%	1,027	1,237	210	20.5%
48.1%	927	1,224	297	32.0%
49.4%	921	1,183	262	28.4%
50.6%	904	1,169	265	29.3%
51.9%	877	1,165	289	32.9%
53.1%	853	1,153	301	35.3%
54.3%	845	1,148	303	35.8%
55.6%	833	1,147	314	37.6%
56.8%	825	1,130	305	36.9%
58.0%	795	1,128	333	41.8%
59.3%	783	1,103	320	40.9%
60.5%	775	1,058	283	36.5%
61.7%	762	1,051	289	37.9%
63.0%	762	1,011	250	32.8%
64.2%	741	978	237	32.0%
65.4%	709	975	266	37.5%
66.7%	696	921	226	32.5%
67.9%	688	911	223	32.4%
69.1%	686	911	224	32.7%
70.4%	675	908	233	34.6%
71.6%	651	888	236	36.3%
72.8%	619	834	215	34.8%
74.1%	614	797	182	29.7%
75.3%	596	781	185	31.1%
76.5%	579	776	198	34.1%
77.8%	570	776	206	36.2%
79.0%	564	765	201	35.6%
80.2%	560	741	181	32.3%
81.5%	560	667	107	19.2%
82.7%	556	624	69	12.4%
84.0%	555	608	53	9.6%
85.2%	552	600	48	8.7%
86.4%	538	595	57	10.6%
87.7%	533	587	53	10.0%
88.9%	530	573	43	8.1%
90.1%	493	568	75	15.2%
91.4%	491	564	74	15.0%
92.6%	425	525	100	23.6%
93.8%	263	515	252	95.9%
95.1%	250	474	224	89.6%
96.3%	248	459	211	84.9%
97.5%	188	370	182	96.8%
98.8%	188	362	174	92.5%
100.0%	188	349	161	85.8%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,542	4,120	-422	-9.3%
1.2%	4,397	4,034	-362	-8.2%
2.5%	3,636	3,547	-89	-2.5%
3.7%	3,446	3,222	-223	-6.5%
4.9%	3,162	3,039	-123	-3.9%
6.2%	2,802	2,866	64	2.3%
7.4%	2,694	2,752	58	2.2%
8.6%	2,678	2,676	-2	-0.1%
9.9%	2,591	2,303	-287	-11.1%
11.1%	2,544	2,149	-395	-15.5%
12.3%	2,468	2,005	-462	-18.7%
13.6%	2,341	1,968	-373	-15.9%
14.8%	2,253	1,859	-394	-17.5%
16.0%	2,223	1,852	-370	-16.7%
17.3%	2,094	1,836	-257	-12.3%
18.5%	1,956	1,829	-127	-6.5%
19.8%	1,885	1,754	-132	-7.0%
21.0%	1,785	1,750	-35	-2.0%
22.2%	1,750	1,750	0	0.0%
23.5%	1,750	1,750	0	0.0%
24.7%	1,750	1,543	-207	-11.8%
25.9%	1,750	1,543	-207	-11.8%
27.2%	1,750	1,526	-224	-12.8%
28.4%	1,750	1,445	-305	-17.4%
29.6%	1,750	1,439	-311	-17.8%
30.9%	1,750	1,402	-348	-19.9%
32.1%	1,508	1,390	-119	-7.9%
33.3%	1,458	1,352	-106	-7.3%
34.6%	1,352	1,344	-8	-0.6%
35.8%	1,345	1,337	-7	-0.5%
37.0%	1,343	1,330	-13	-1.0%
38.3%	1,338	1,330	-8	-0.6%
39.5%	1,330	1,329	-1	-0.1%
40.7%	1,328	1,323	-4	-0.3%
42.0%	1,325	1,318	-7	-0.5%
43.2%	1,318	1,317	-1	-0.1%
44.4%	1,311	1,250	-61	-4.7%
45.7%	1,308	1,181	-127	-9.7%
46.9%	1,166	1,174	8	0.7%
48.1%	1,154	1,169	15	1.3%
49.4%	1,115	1,161	46	4.2%
50.6%	1,071	1,157	87	8.1%
51.9%	1,005	1,150	145	14.4%
53.1%	950	1,144	194	20.4%
54.3%	948	1,132	184	19.4%
55.6%	944	1,118	173	18.4%
56.8%	936	1,107	171	18.3%
58.0%	892	1,086	194	21.8%
59.3%	867	1,081	213	24.6%
60.5%	840	1,076	236	28.1%
61.7%	837	1,072	236	28.2%
63.0%	768	1,067	298	38.8%
64.2%	766	1,055	290	37.8%
65.4%	763	1,048	284	37.3%
66.7%	756	998	242	32.0%
67.9%	749	995	246	32.9%
69.1%	726	993	267	36.8%
70.4%	670	988	318	47.5%
71.6%	637	983	346	54.3%
72.8%	631	898	267	42.3%
74.1%	620	896	276	44.5%
75.3%	616	828	212	34.4%
76.5%	611	772	162	26.5%
77.8%	609	751	142	23.3%
79.0%	609	710	101	16.6%
80.2%	609	688	79	13.0%
81.5%	608	677	69	11.4%
82.7%	607	655	47	7.8%
84.0%	601	637	36	5.9%
85.2%	600	620	20	3.4%
86.4%	464	616	152	32.7%
87.7%	462	610	147	31.9%
88.9%	375	609	234	62.3%
90.1%	302	608	306	101.4%
91.4%	284	533	250	88.0%
92.6%	281	510	229	81.6%
93.8%	281	498	217	77.2%
95.1%	281	496	215	76.4%
96.3%	281	476	195	69.2%
97.5%	281	412	131	46.7%
98.8%	281	308	27	9.6%
100.0%	252	278	26	10.1%

Figure SW-46-b
Feather River at Shanghai Bend, Monthly Flow
Probability of Exceedance

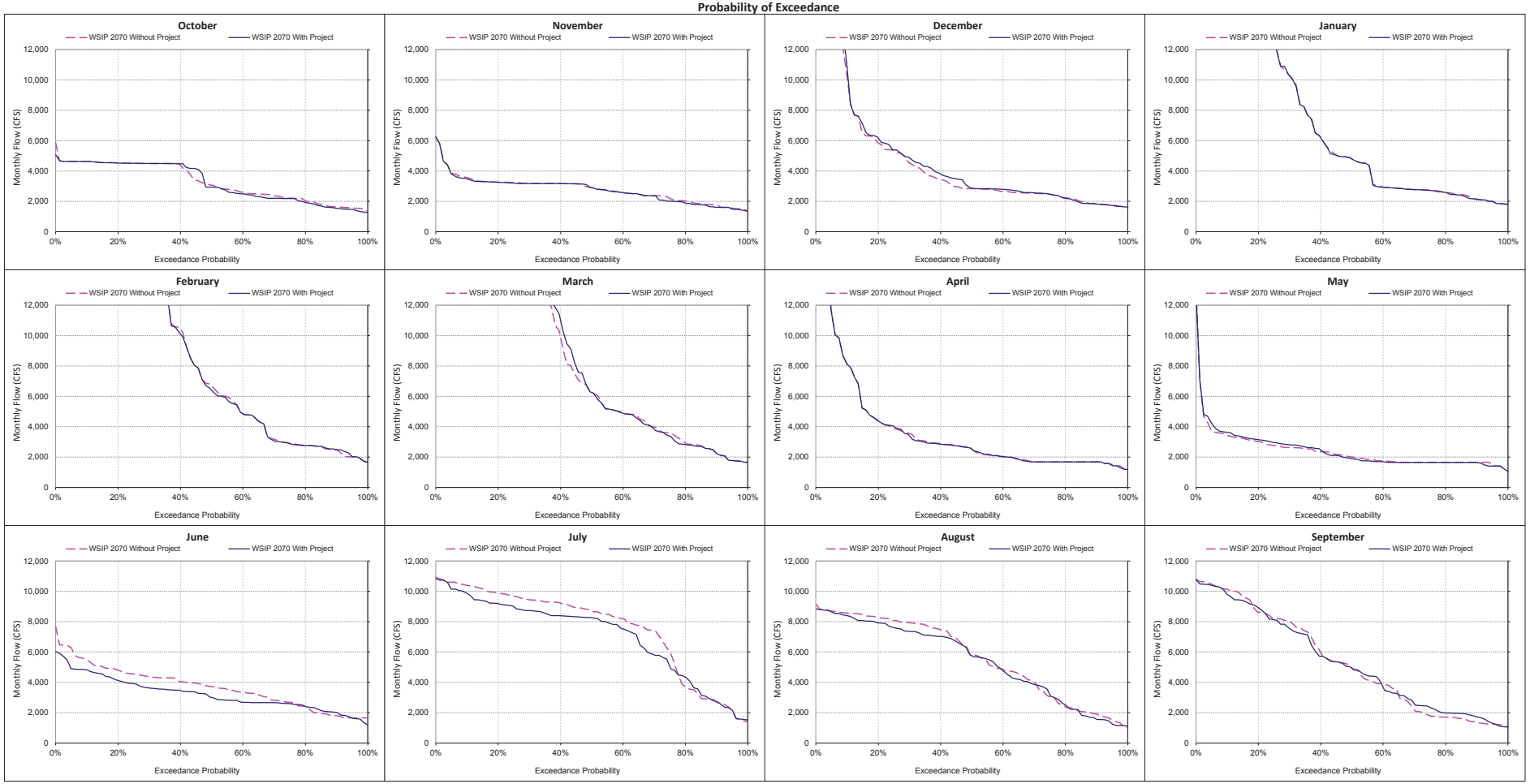


Table SW-46-b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,869	5,071	-798	-13.6%
1.2%	4,671	4,669	-2	0.0%
2.5%	4,635	4,635	0	0.0%
3.7%	4,635	4,635	0	0.0%
4.9%	4,635	4,635	0	0.0%
6.2%	4,635	4,635	0	0.0%
7.4%	4,635	4,635	0	0.0%
8.6%	4,635	4,635	0	0.0%
9.9%	4,635	4,635	0	0.0%
11.1%	4,631	4,631	0	0.0%
12.3%	4,631	4,590	-41	-0.9%
13.6%	4,590	4,568	-22	-0.5%
14.8%	4,554	4,554	0	0.0%
16.0%	4,554	4,554	0	0.0%
17.3%	4,546	4,546	0	0.0%
18.5%	4,542	4,542	0	0.0%
19.8%	4,523	4,523	0	0.0%
21.0%	4,520	4,520	0	0.0%
22.2%	4,515	4,515	0	0.0%
23.5%	4,511	4,511	0	0.0%
24.7%	4,507	4,507	0	0.0%
25.9%	4,502	4,504	2	0.0%
27.2%	4,502	4,502	0	0.0%
28.4%	4,500	4,502	2	0.0%
29.6%	4,492	4,500	9	0.2%
30.9%	4,491	4,495	4	0.1%
32.1%	4,491	4,491	0	0.0%
33.3%	4,491	4,491	0	0.0%
34.6%	4,489	4,489	0	0.0%
35.8%	4,487	4,487	0	0.0%
37.0%	4,487	4,487	0	0.0%
38.3%	4,484	4,486	2	0.0%
39.5%	4,484	4,484	0	0.0%
40.7%	4,197	4,484	287	6.8%
42.0%	4,075	4,216	141	3.4%
43.2%	3,747	4,173	426	11.4%
44.4%	3,384	4,161	777	23.0%
45.7%	3,364	4,101	737	21.9%
46.9%	3,215	3,848	633	19.7%
48.1%	3,210	2,940	-270	-8.4%
49.4%	3,078	2,940	-138	-4.5%
50.6%	3,046	2,939	-107	-3.5%
51.9%	2,849	2,933	84	2.9%
53.1%	2,821	2,836	16	0.6%
54.3%	2,810	2,747	-63	-2.2%
55.6%	2,782	2,598	-184	-6.6%
56.8%	2,755	2,578	-176	-6.4%
58.0%	2,696	2,520	-176	-6.5%
59.3%	2,613	2,495	-118	-4.5%
60.5%	2,583	2,493	-90	-3.5%
61.7%	2,512	2,432	-81	-3.2%
63.0%	2,504	2,415	-89	-3.5%
64.2%	2,496	2,318	-178	-7.1%
65.4%	2,491	2,307	-184	-7.4%
66.7%	2,460	2,245	-215	-8.7%
67.9%	2,457	2,206	-251	-10.2%
69.1%	2,428	2,200	-228	-9.4%
70.4%	2,355	2,198	-157	-6.7%
71.6%	2,328	2,197	-131	-5.6%
72.8%	2,254	2,192	-62	-2.8%
74.1%	2,211	2,189	-22	-1.0%
75.3%	2,206	2,188	-18	-0.8%
76.5%	2,200	2,185	-15	-0.7%
77.8%	2,189	2,031	-158	-7.2%
79.0%	2,185	2,000	-185	-8.5%
80.2%	1,990	1,911	-80	-4.0%
81.5%	1,980	1,873	-107	-5.4%
82.7%	1,961	1,818	-143	-7.3%
84.0%	1,824	1,728	-96	-5.3%
85.2%	1,802	1,691	-111	-6.2%
86.4%	1,715	1,611	-105	-6.1%
87.7%	1,670	1,601	-69	-4.1%
88.9%	1,647	1,592	-55	-3.3%
90.1%	1,626	1,540	-86	-5.3%
91.4%	1,614	1,523	-91	-5.7%
92.6%	1,592	1,486	-106	-6.7%
93.8%	1,589	1,482	-107	-6.7%
95.1%	1,562	1,469	-92	-5.9%
96.3%	1,539	1,389	-150	-9.7%
97.5%	1,536	1,331	-204	-13.3%
98.8%	1,496	1,297	-199	-13.3%
100.0%	1,331	1,251	-80	-6.0%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	6,237	6,237	0	0.0%
1.2%	5,818	5,818	0	0.0%
2.5%	4,632	4,632	0	0.0%
3.7%	4,411	4,411	0	0.0%
4.9%	3,843	3,812	-31	-0.8%
6.2%	3,808	3,653	-156	-4.1%
7.4%	3,676	3,551	-125	-3.4%
8.6%	3,653	3,516	-137	-3.8%
9.9%	3,551	3,508	-43	-1.2%
11.1%	3,508	3,398	-110	-3.1%
12.3%	3,398	3,336	-63	-1.8%
13.6%	3,336	3,322	-14	-0.4%
14.8%	3,322	3,300	-22	-0.7%
16.0%	3,300	3,296	-3	-0.1%
17.3%	3,296	3,280	-17	-0.5%
18.5%	3,280	3,266	-14	-0.4%
19.8%	3,266	3,257	-8	-0.3%
21.0%	3,257	3,250	-8	-0.2%
22.2%	3,256	3,248	-8	-0.2%
23.5%	3,250	3,215	-35	-1.1%
24.7%	3,248	3,212	-36	-1.1%
25.9%	3,215	3,175	-39	-1.2%
27.2%	3,212	3,175	-37	-1.2%
28.4%	3,175	3,172	-3	-0.1%
29.6%	3,175	3,172	-3	-0.1%
30.9%	3,172	3,172	0	0.0%
32.1%	3,172	3,172	0	0.0%
33.3%	3,172	3,172	0	0.0%
34.6%	3,172	3,172	0	0.0%
35.8%	3,172	3,172	0	0.0%
37.0%	3,172	3,172	0	0.0%
38.3%	3,172	3,172	0	0.0%
39.5%	3,172	3,171	-1	0.0%
40.7%	3,172	3,167	-6	-0.2%
42.0%	3,171	3,163	-8	-0.3%
43.2%	3,163	3,160	-3	-0.1%
44.4%	3,160	3,159	-1	0.0%
45.7%	3,159	3,141	-18	-0.6%
46.9%	3,145	3,137	-8	-0.3%
48.1%	2,960	3,111	150	5.1%
49.4%	2,932	2,913	-19	-0.7%
50.6%	2,876	2,876	0	0.0%
51.9%	2,827	2,782	-45	-1.6%
53.1%	2,759	2,781	22	0.8%
54.3%	2,730	2,760	31	1.1%
55.6%	2,687	2,687	0	0.0%
56.8%	2,680	2,628	-52	-1.9%
58.0%	2,628	2,623	-5	-0.2%
59.3%	2,599	2,599	0	0.0%
60.5%	2,530	2,567	37	1.5%
61.7%	2,529	2,530	1	0.1%
63.0%	2,515	2,515	0	0.0%
64.2%	2,453	2,505	52	2.1%
65.4%	2,451	2,451	0	0.0%
66.7%	2,405	2,376	-29	-1.2%
67.9%	2,376	2,372	-4	-0.2%
69.1%	2,376	2,372	-4	-0.2%
70.4%	2,372	2,372	0	0.0%
71.6%	2,372	2,084	-288	-12.1%
72.8%	2,372	2,076	-296	-12.5%
74.1%	2,303	2,006	-298	-12.9%
75.3%	2,162	2,006	-156	-7.2%
76.5%	2,076	2,002	-74	-3.6%
77.8%	2,047	1,984	-63	-3.1%
79.0%	2,044	1,963	-81	-3.9%
80.2%	2,006	1,863	-143	-7.1%
81.5%	2,002	1,856	-146	-7.3%
82.7%	1,884	1,788	-96	-5.1%
84.0%	1,856	1,784	-71	-3.8%
85.2%	1,837	1,778	-59	-3.2%
86.4%	1,790	1,753	-37	-2.1%
87.7%	1,788	1,657	-131	-7.4%
88.9%	1,784	1,637	-148	-8.3%
90.1%	1,767	1,605	-162	-9.2%
91.4%	1,611	1,602	-9	-0.6%
92.6%	1,602	1,601	-1	-0.1%
93.8%	1,601	1,599	-3	-0.2%
95.1%	1,549	1,488	-61	-4.0%
96.3%	1,516	1,463	-53	-3.5%
97.5%	1,503	1,455	-48	-3.2%
98.8%	1,463	1,389	-74	-5.0%
100.0%	1,340	1,340	0	0.0%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	45,261	48,039	2,778	6.1%
1.2%	32,039	32,353	315	1.0%
2.5%	29,017	26,402	-2,616	-9.0%
3.7%	22,892	26,110	3,218	14.1%
4.9%	22,648	25,437	2,789	12.3%
6.2%	20,682	22,688	2,006	9.7%
7.4%	14,181	14,020	-161	-1.1%
8.6%	12,139	13,245	1,106	9.1%
9.9%	10,420	11,014	593	5.7%
11.1%	8,403	8,407	4	0.0%
12.3%	7,699	7,699	0	0.0%
13.6%	7,613	7,613	0	0.0%
14.8%	6,527	7,148	621	9.5%
16.0%	6,323	6,524	201	3.2%
17.3%	6,313	6,349	36	0.6%
18.5%	6,245	6,344	98	1.6%
19.8%	5,874	6,246	372	6.3%
21.0%	5,725	5,874	149	2.6%
22.2%	5,412	5,828	416	7.7%
23.5%	5,396	5,725	329	6.1%
24.7%	5,391	5,384	-7	-0.1%
25.9%	5,193	5,381	187	3.6%
27.2%	5,186	5,186	0	0.0%
28.4%	5,004	4,952	-52	-1.0%
29.6%	4,570	4,925	355	7.8%
30.9%	4,423	4,723	300	6.8%
32.1%	4,287	4,570	283	6.6%
33.3%	4,178	4,512	334	8.0%
34.6%	3,945	4,310	365	9.2%
35.8%	3,702	4,281	579	15.6%
37.0%	3,657	4,178	521	14.3%
38.3%	3,554	3,945	391	11.0%
39.5%	3,449	3,856	407	11.8%
40.7%	3,411	3,700	289	8.5%
42.0%	3,308	3,647	339	10.2%
43.2%	3,078	3,554	476	15.5%
44.4%	2,973	3,509	536	18.0%
45.7%	2,955	3,449	493	16.7%
46.9%	2,838	3,411	572	20.2%
48.1%	2,838	3,075	236	8.3%
49.4%	2,838	2,894	56	2.0%
50.6%	2,838	2,838	0	0.0%
51.9%	2,838	2,838	0	0.0%
53.1%	2,813	2,838	26	0.9%
54.3%	2,801	2,838	38	1.3%
55.6%	2,790	2,838	48	1.7%
56.8%	2,764	2,823	58	2.1%
58.0%	2,724	2,813	89	3.3%
59.3%	2,661	2,801	140	5.3%
60.5%	2,656	2,790	134	5.1%
61.7%	2,635	2,767	132	5.0%
63.0%	2,584	2,724	140	5.4%
64.2%	2,579	2,706	127	4.9%
65.4%	2,569	2,656	87	3.4%
66.7%	2,552	2,579	26	1.0%
67.9%	2,545	2,572	27	1.1%
69.1%	2,538	2,569	31	1.2%
70.4%	2,532	2,538	6	0.2%
71.6%	2,506	2,537	31	1.2%
72.8%	2,503	2,532	29	1.2%
74.1%	2,497	2,503	5	0.2%
75.3%	2,451	2,451	0	0.0%
76.5%	2,405	2,405	0	0.0%
77.8%	2,351	2,367	17	0.7%
79.0%	2,263	2,241	-23	-1.0%
80.2%	2,241	2,190	-51	-2.3%
81.5%	2,187	2,158	-29	-1.3%
82.7%	2,170	2,065	-105	-4.8%
84.0%	2,065	1,974	-92	-4.4%
85.2%	1,974	1,877	-97	-4.9%
86.4%	1,970	1,859	-111	-5.6%
87.7%	1,859	1,851	-8	-0.4%
88.9%	1,851	1,851	0	0.0%
90.1%	1,817	1,817	0	0.0%
91.4%	1,816	1,784	-32	-1.7%
92.6%	1,784	1,773	-11	-0.6%
93.8%	1,773	1,755	-19	-1.0%
95.1%	1,755	1,721	-34	-1.9%
96.3%	1,721	1,677	-44	-2.6%
97.5%	1,677	1,668	-9	-0.5%
98.8%	1,633	1,633	0	0.0%
100.0%	1,611	1,611	0	0.0%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	78,332	78,333	1	0.0%
1.2%	71,102	70,884	-218	-0.3%
2.5%	63,346	63,011	-334	-0.5%
3.7%	49,892	48,018	-1,874	-3.8%
4.9%	39,932	41,330	1,397	3.5%
6.2%	37,420	40,050	2,631	7.0%
7.4%	36,548	36,451	-97	-0.3%
8.6%	33,228	34,274	1,045	3.1%
9.9%	32,134	34,053	1,919	6.0%
11.1%	25,047	25,047	0	0.0%
12.3%	23,411	24,127	716	3.1%
13.6%	22,570	23,997	1,428	6.3%
14.8%	22,367	22,783	416	1.9%
16.0%	19,656	22,244	2,589	13.2%
17.3%	19,646	20,233	587	3.0%
18.5%	17,332	19,931	2,599	15.0%
19.8%	15,423	19,856	4,433	28.7%
21.0%	14,319	16,031	1,711	12.0%
22.2%	13,878	13,878	0	0.0%
23.5%	13,610	13,610	0	0.0%
24.7%	12,787	13,325	538	4.2%
25.9%	11,960	11,858	-102	-0.8%
27.2%	10,901	10,901	0	0.0%
28.4%	10,671	10,901	230	2.2%
29.6%	10,376	10,376	0	0.0%
30.9%	10,075	10,079	4	0.0%
32.1%	9,687	9,567	-120	-1.2%
33.3%	8,363	8,363	0	0.0%
34.6%	8,271	8,254	-17	-0.2%
35.8%	7,674	7,674	0	0.0%
37.0%	7,415	7,415	0	0.0%
38.3%	6,494	6,494	0	0.0%
39.5%	6,337	6,337	0	0.0%
40.7%	5,967	5,967	0	0.0%
42.0%	5,597	5,597	0	0.0%
43.2%	5,340	5,133	-207	-3.9%
44.4%	5,089	5,089	0	0.0%
45.7%	4,978	4,978	0	0.0%
46.9%	4,973	4,932	-40	-0.8%
48.1%	4,932	4,918	-14	-0.3%
49.4%	4,876	4,876	0	0.0%
50.6%	4,717	4,717	0	0.0%
51.9%	4,605	4,605	0	0.0%
53.1%	4,528	4,528	0	0.0%
54.3%	4,519	4,519	0	0.0%
55.6%	4,370	4,370	0	0.0%
56.8%	3,083	3,061	-22	-0.7%
58.0%	3,061	2,973	-89	-2.9%
59.3%	2,973	2,930	-43	-1.4%
60.5%	2,912	2,912	0	0.0%
61.7%	2,909	2,909	0	0.0%
63.0%	2,891	2,891	0	0.0%
64.2%	2,865	2,864	-2	-0.1%
65.4%	2,864	2,845	-19	-0.7%
66.7%	2,845	2,811	-33	-1.2%
67.9%	2,811	2,786	-26	-0.9%
69.1%	2,786	2,782	-3	-0.1%
70.4%	2,782	2,761	-22	-0.8%
71.6%	2,761	2,760	-1	0.0%
72.8%	2,760	2,743	-17	-0.6%
74.1%	2,754	2,724	-29	-1.1%
75.3%	2,743	2,712	-31	-1.1%
76.5%	2,712	2,674	-38	-1.4%
77.8%	2,674	2,627	-47	-1.8%
79.0%	2,627	2,618	-10	-0.4%
80.2%	2,576	2,576	0	0.0%
81.5%	2,568	2,450	-118	-4.6%
82.7%	2,475	2,433	-42	-1.7%
84.0%	2,450	2,415	-36	-1.5%
85.2%	2,433	2,406	-27	-1.1%
86.4%	2,406	2,308	-98	-4.1%
87.7%	2,311	2,190	-121	-5.2%
88.9%	2,171	2,171	0	0.0%
90.1%	2,105	2,148	43	2.0%
91.4%	2,101	2,105	4	0.2%
92.6%	2,018	2,104	86	4.2%
93.8%	2,002	2,018	17	0.8%
95.1%	2,000	2,002	2	0.1%
96.3%	1,871	1,857	-15	-0.8%
97.5%	1,857	1,845	-12	-0.6%
98.8%	1,831	1,831	0	0.0%
100.0%	1,794	1,809	15	0.8%

Table SW-46-b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	71,558	71,558	0	0.0%
1.2%	54,880	55,279	399	0.7%
2.5%	50,217	52,277	2,060	4.1%
3.7%	48,798	50,217	1,419	2.9%
4.9%	48,215	48,798	583	1.2%
6.2%	46,988	46,963	-25	-0.1%
7.4%	45,425	42,191	-3,234	-7.1%
8.6%	39,696	40,793	1,098	2.8%
9.9%	37,959	37,959	0	0.0%
11.1%	36,570	36,416	-154	-0.4%
12.3%	36,277	36,270	-7	0.0%
13.6%	35,960	35,851	-109	-0.3%
14.8%	35,162	35,272	111	0.3%
16.0%	34,818	34,818	0	0.0%
17.3%	33,468	34,472	1,005	3.0%
18.5%	31,903	31,902	-1	0.0%
19.8%	29,940	29,940	0	0.0%
21.0%	29,175	29,175	0	0.0%
22.2%	26,715	29,157	2,442	9.1%
23.5%	24,888	24,888	0	0.0%
24.7%	24,270	24,270	0	0.0%
25.9%	22,546	22,742	196	0.9%
27.2%	21,739	22,546	807	3.7%
28.4%	20,913	21,739	826	3.9%
29.6%	18,664	19,533	869	4.7%
30.9%	18,184	18,184	0	0.0%
32.1%	17,244	17,244	0	0.0%
33.3%	16,644	16,644	0	0.0%
34.6%	14,810	14,485	-325	-2.2%
35.8%	12,673	12,673	0	0.0%
37.0%	10,795	10,644	-151	-1.4%
38.3%	10,565	10,565	-1	0.0%
39.5%	10,565	10,218	-347	-3.3%
40.7%	10,218	9,928	-290	-2.8%
42.0%	9,213	9,244	32	0.3%
43.2%	8,529	8,529	-1	0.0%
44.4%	8,052	8,052	0	0.0%
45.7%	7,866	7,866	0	0.0%
46.9%	7,107	7,100	-8	-0.1%
48.1%	6,852	6,711	-142	-2.1%
49.4%	6,818	6,544	-274	-4.0%
50.6%	6,544	6,266	-278	-4.2%
51.9%	6,266	6,024	-243	-3.9%
53.1%	6,038	6,010	-27	-0.5%
54.3%	6,010	5,916	-94	-1.6%
55.6%	5,916	5,658	-259	-4.4%
56.8%	5,658	5,517	-141	-2.5%
58.0%	5,445	5,445	0	0.0%
59.3%	4,925	4,925	0	0.0%
60.5%	4,804	4,802	-2	-0.1%
61.7%	4,778	4,778	0	0.0%
63.0%	4,762	4,762	0	0.0%
64.2%	4,519	4,519	0	0.0%
65.4%	4,303	4,303	0	0.0%
66.7%	4,185	4,188	4	0.1%
67.9%	3,318	3,318	0	0.0%
69.1%	3,205	3,155	-50	-1.6%
70.4%	3,155	3,035	-120	-3.8%
71.6%	3,010	3,010	0	0.0%
72.8%	2,979	2,979	0	0.0%
74.1%	2,944	2,944	0	0.0%
75.3%	2,891	2,866	-25	-0.9%
76.5%	2,866	2,809	-57	-2.0%
77.8%	2,813	2,793	-20	-0.7%
79.0%	2,793	2,759	-33	-1.2%
80.2%	2,759	2,757	-2	-0.1%
81.5%	2,757	2,755	-3	-0.1%
82.7%	2,755	2,727	-28	-1.0%
84.0%	2,703	2,703	0	0.0%
85.2%	2,681	2,702	21	0.8%
86.4%	2,530	2,596	66	2.6%
87.7%	2,527	2,530	3	0.1%
88.9%	2,490	2,527	37	1.5%
90.1%	2,467	2,490	23	0.9%
91.4%	2,273	2,467	195	8.6%
92.6%	2,029	2,368	339	16.7%
93.8%	2,021	2,273	252	12.5%
95.1%	2,007	2,029	22	1.1%
96.3%	1,979	2,017	38	1.9%
97.5%	1,914	1,914	0	0.0%
98.8%	1,708	1,711	3	0.2%
100.0%	1,667	1,667	0	0.0%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	64,080	64,080	0	0.0%
1.2%	63,565	63,569	5	0.0%
2.5%	48,535	48,030	-505	-1.0%
3.7%	48,030	47,973	-57	-0.1%
4.9%	47,973	47,473	-500	-1.0%
6.2%	42,607	42,437	-170	-0.4%
7.4%	32,392	32,392	0	0.0%
8.6%	29,017	29,017	0	0.0%
9.9%	27,431	27,898	467	1.7%
11.1%	27,096	27,431	335	1.2%
12.3%	26,912	27,096	183	0.7%
13.6%	25,713	25,713	0	0.0%
14.8%	25,154	25,154	0	0.0%
16.0%	24,753	24,652	-101	-0.4%
17.3%	21,311	21,304	-7	0.0%
18.5%	20,267	20,267	0	0.0%
19.8%	20,253	20,253	0	0.0%
21.0%	20,012	20,012	0	0.0%
22.2%	19,278	19,278	0	0.0%
23.5%	18,770	18,770	0	0.0%
24.7%	18,306	18,344	38	0.2%
25.9%	18,006	18,306	300	1.7%
27.2%	16,485	18,006	1,521	9.2%
28.4%	16,076	16,076	0	0.0%
29.6%	15,923	15,487	-437	-2.7%
30.9%	15,181	15,193	12	0.1%
32.1%	14,235	14,087	-149	-1.0%
33.3%	13,295	13,295	0	0.0%
34.6%	12,697	12,783	86	0.7%
35.8%	12,297	12,697	400	3.3%
37.0%	11,887	12,224	337	2.8%
38.3%	10,673	11,887	1,214	11.4%
39.5%	10,328	11,452	1,124	10.9%
40.7%	9,147	10,328	1,181	12.9%
42.0%	8,110	9,463	1,352	16.7%
43.2%	8,032	9,147	1,115	13.9%
44.4%	7,520	8,271	751	10.0%
45.7%	7,078	7,601	522	7.4%
46.9%	6,868	7,520	652	9.5%
48.1%	6,780	6,780	0	0.0%
49.4%	6,305	6,305	0	0.0%
50.6%	6,180	6,191	12	0.2%
51.9%	6,059	5,798	-261	-4.3%
53.1%	5,580	5,578	-2	0.0%
54.3%	5,188	5,188	0	0.0%
55.6%	5,157	5,157	0	0.0%
56.8%	5,098	5,098	0	0.0%
58.0%	5,030	5,030	0	0.0%
59.3%	5,008	4,928	-80	-1.6%
60.5%	4,842	4,840	-2	-0.1%
61.7%	4,840	4,812	-28	-0.6%
63.0%	4,812	4,786	-26	-0.5%
64.2%	4,786	4,589	-197	-4.1%
65.4%	4,481	4,402	-78	-1.7%
66.7%	4,406	4,178	-228	-5.2%
67.9%	4,157	4,108	-50	-1.2%
69.1%	4,010	4,010	0	0.0%
70.4%	3,957	3,748	-209	-5.3%
71.6%	3,748	3,663	-86	-2.3%
72.8%	3,615	3,631	15	0.4%
74.1%	3,599	3,441	-158	-4.4%
75.3%	3,574	3,362	-211	-5.9%
76.5%	3,425	3,063	-362	-10.6%
77.8%	3,249	2,872	-377	-11.6%
79.0%	3,116	2,839	-277	-8.9%
80.2%	2,865	2,806	-59	-2.1%
81.5%	2,839	2,790	-49	-1.7%
82.7%	2,806	2,734	-72	-2.6%
84.0%	2,790	2,702	-88	-3.2%
85.2%	2,734	2,689	-45	-1.6%
86.4%	2,572	2,572	0	0.0%
87.7%	2,555	2,555	0	0.0%
88.9%	2,464	2,464	0	0.0%
90.1%	2,207	2,207	0	0.0%
91.4%	2,111	2,102	-9	-0.4%
92.6%	2,066	2,066	0	0.0%
93.8%	1,784	1,780	-4	-0.2%
95.1%	1,780	1,762	-18	-1.0%
96.3%	1,758	1,734	-25	-1.4%
97.5%	1,734	1,733	0	0.0%
98.8%	1,657	1,659	2	0.1%
100.0%	1,623	1,657	34	2.1%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	33,449	33,443	-6	0.0%
1.2%	26,602	26,598	-4	0.0%
2.5%	23,671	23,672	1	0.0%
3.7%	13,820	14,652	831	6.0%
4.9%	11,611	11,608	-3	0.0%
6.2%	10,051	10,047	-4	0.0%
7.4%	9,849	9,841	-7	-0.1%
8.6%	8,681	8,674	-8	-0.1%
9.9%	8,164	8,132	-32	-0.4%
11.1%	7,916	7,911	-5	-0.1%
12.3%	7,299	7,294	-4	-0.1%
13.6%	6,824	6,820	-4	-0.1%
14.8%	5,229	5,220	-9	-0.2%
16.0%	5,091	5,082	-9	-0.2%
17.3%	4,753	4,753	0	0.0%
18.5%	4,608	4,601	-6	-0.1%
19.8%	4,448	4,407	-41	-0.9%
21.0%	4,241	4,241	0	0.0%
22.2%	4,106	4,128	22	0.5%
23.5%	4,059	4,097	38	0.9%
24.7%	3,886	4,059	173	4.4%
25.9%	3,836	3,886	50	1.3%
27.2%	3,740	3,836	97	2.6%
28.4%	3,654	3,569	-85	-2.3%
29.6%	3,569	3,487	-82	-2.3%
30.9%	3,487	3,166	-321	-9.2%
32.1%	3,166	3,078	-88	-2.8%
33.3%	3,087	3,054	-33	-1.1%
34.6%	3,069	2,989	-80	-2.6%
35.8%	2,989	2,918	-71	-2.4%
37.0%	2,918	2,915	-3	-0.1%
38.3%	2,917	2,898	-19	-0.7%
39.5%	2,899	2,853	-46	-1.6%
40.7%	2,844	2,822	-22	-0.8%
42.0%	2,826	2,814	-12	-0.4%
43.2%	2,814	2,783	-31	-1.1%
44.4%	2,801	2,744	-57	-2.0%
45.7%	2,744	2,726	-19	-0.7%
46.9%	2,688	2,665	-23	-0.8%
48.1%	2,679	2,636	-42	-1.6%
49.4%	2,665	2,601	-64	-2.4%
50.6%	2,410	2,410	0	0.0%
51.9%	2,256	2,348	92	4.1%
53.1%	2,176	2,248	72	3.3%
54.3%	2,171	2,176	5	0.3%
55.6%	2,124	2,171	47	2.2%
56.8%	2,123	2,096	-27	-1.2%
58.0%	2,100	2,089	-11	-0.5%
59.3%	2,052	2,022	-30	-1.5%
60.5%	2,023	2,020	-4	-0.2%
61.7%	2,022	1,981	-41	-2.0%
63.0%	1,981	1,961	-19	-1.0%
64.2%	1,916	1,891	-25	-1.3%
65.4%	1,850	1,822	-28	-1.5%
66.7%	1,823	1,754	-69	-3.8%
67.9%	1,754	1,706	-48	-2.7%
69.1%	1,706	1,672	-34	-2.0%
70.4%	1,672	1,672	0	0.0%
71.6%	1,672	1,672	0	0.0%
72.8%	1,672	1,672	0	0.0%
74.1%	1,672	1,672	0	0.0%
75.3%	1,672	1,672	0	0.0%
76.5%	1,672	1,672	0	0.0%
77.8%	1,672	1,672	0	0.0%
79.0%	1,672	1,672	0	0.0%
80.2%	1,672	1,672	0	0.0%
81.5%	1,672	1,672	0	0.0%
82.7%	1,672	1,672	0	0.0%
84.0%	1,672	1,672	0	0.0%
85.2%	1,672	1,672	0	0.0%
86.4%	1,672	1,672	0	0.0%
87.7%	1,672	1,672	0	0.0%
88.9%	1,672	1,672	0	0.0%
90.1%	1,672	1,672	0	0.0%
91.4%	1,672	1,672	0	0.0%
92.6%	1,576	1,576	0	0.0%
93.8%	1,575	1,575	0	0.0%
95.1%	1,504	1,422	-81	-5.4%
96.3%	1,422	1,422	0	0.0%
97.5%	1,422	1,301	-121	-8.5%
98.8%	1,205	1,205	0	0.0%
100.0%	1,173	1,170	-2	-0.2%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	13,169	13,160	-9	-0.1%
1.2%	7,063	7,063	0	0.0%
2.5%	4,689	4,818	129	2.7%
3.7%	4,287	4,689	402	9.4%
4.9%	3,712	4,267	555	15.0%
6.2%	3,633	3,898	265	7.3%
7.4%	3,594	3,711	117	3.2%
8.6%	3,549	3,672	123	3.5%
9.9%	3,416	3,626	210	6.1%
11.1%	3,376	3,593	217	6.4%
12.3%	3,306	3,432	126	3.8%
13.6%	3,277	3,393	117	3.6%
14.8%	3,249	3,344	95	2.9%
16.0%	3,177	3,274	97	3.1%
17.3%	3,112	3,225	113	3.6%
18.5%	3,081	3,177	96	3.1%
19.8%	3,029	3,150	121	4.0%
21.0%	2,990	3,114	125	4.2%
22.2%	2,828	3,087	259	9.2%
23.5%	2,802	3,029	227	8.1%
24.7%	2,771	2,967	196	7.1%
25.9%	2,706	2,934	228	8.4%
27.2%	2,690	2,878	188	7.0%
28.4%	2,630	2,843	213	8.1%
29.6%	2,626	2,801	175	6.7%
30.9%	2,624	2,798	174	6.6%
32.1%	2,613	2,795	182	7.0%
33.3%	2,606	2,745	139	5.3%
34.6%	2,563	2,695	132	5.2%
35.8%	2,539	2,615	76	3.0%
37.0%	2,535	2,613	78	3.1%
38.3%	2,381	2,561	180	7.6%
39.5%	2,359	2,544	185	7.8%
40.7%	2,345	2,341	-4	-0.2%
42.0%	2,330	2,193	-136	-5.9%
43.2%	2,320	2,105	-215	-9.3%
44.4%	2,179	2,104	-75	-3.4%
45.7%	2,161	2,097	-64	-3.0%
46.9%	2,121	2,000	-121	-5.7%
48.1%	2,064	1,948	-117	-5.7%
49.4%	2,014	1,921	-93	-4.6%
50.6%	1,986	1,871	-115	-5.8%
51.9%	1,927	1,850	-77	-4.0%
53.1%	1,918	1,753	-165	-8.6%
54.3%	1,853	1,747	-106	-5.7%
55.6%	1,850	1,746	-104	-5.6%
56.8%	1,828	1,713	-116	-6.3%
58.0%	1,753	1,696	-56	-3.2%
59.3%	1,750	1,696	-55	-3.1%
60.5%	1,750	1,675	-75	-4.3%
61.7%	1,716	1,651	-65	-3.8%
63.0%	1,700	1,651	-50	-2.9%
64.2%	1,675	1,651	-25	-1.5%
65.4%	1,651	1,651	0	0.0%
66.7%	1,651	1,651	0	0.0%
67.9%	1,651	1,651	0	0.0%
69.1%	1,651	1,651	0	0.0%
70.4%	1,651	1,651	0	0.0%
71.6%	1,651	1,651	0	0.0%
72.8%	1,651	1,651	0	0.0%
74.1%	1,651	1,651	0	0.0%
75.3%	1,651	1,651	0	0.0%
76.5%	1,651	1,651	0	0.0%
77.8%	1,651	1,651	0	0.0%
79.0%	1,651	1,651	0	0.0%
80.2%	1,651	1,651	0	0.0%
81.5%	1,651	1,651	0	0.0%
82.7%	1,651	1,651	0	0.0%
84.0%	1,651	1,651	0	0.0%
85.2%	1,651	1,651	0	0.0%
86.4%	1,651	1,651	0	0.0%
87.7%	1,651	1,651	0	0.0%
88.9%	1,651	1,651	0	0.0%
90.1%	1,651	1,651	0	0.0%
91.4%	1,651	1,592	-58	-3.5%
92.6%	1,651	1,467	-184	-11.1%
93.8%	1,651	1,401	-250	-15.1%
95.1%	1,507	1,401	-106	-7.0%
96.3%	1,401	1,401	0	0.0%
97.5%	1,401	1,401	0	0.0%
98.8%	1,243	1,219	-24	-1.9%
100.0%	1,066	1,066	0	0.0%

Table SW-46-b

Feather River at Shanghai Bend, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	7,683	6,039	-1,644	-21.4%
1.2%	6,471	5,907	-564	-8.7%
2.5%	6,456	5,706	-750	-11.6%
3.7%	6,421	5,467	-954	-14.9%
4.9%	6,305	4,899	-1,406	-22.3%
6.2%	5,768	4,875	-893	-15.5%
7.4%	5,640	4,855	-785	-13.9%
8.6%	5,598	4,853	-744	-13.3%
9.9%	5,500	4,840	-660	-12.0%
11.1%	5,318	4,709	-609	-11.4%
12.3%	5,119	4,653	-466	-9.1%
13.6%	5,111	4,591	-520	-10.2%
14.8%	5,051	4,557	-495	-9.8%
16.0%	4,932	4,393	-539	-10.9%
17.3%	4,924	4,354	-570	-11.6%
18.5%	4,910	4,242	-668	-13.6%
19.8%	4,817	4,137	-679	-14.1%
21.0%	4,728	4,071	-657	-13.9%
22.2%	4,632	3,989	-642	-13.9%
23.5%	4,580	3,927	-653	-14.3%
24.7%	4,566	3,920	-646	-14.2%
25.9%	4,509	3,880	-629	-13.9%
27.2%	4,481	3,746	-735	-16.4%
28.4%	4,425	3,668	-757	-17.1%
29.6%	4,398	3,631	-767	-17.4%
30.9%	4,340	3,604	-736	-17.0%
32.1%	4,323	3,587	-737	-17.0%
33.3%	4,306	3,554	-753	-17.5%
34.6%	4,298	3,544	-753	-17.5%
35.8%	4,297	3,517	-780	-18.2%
37.0%	4,292	3,506	-785	-18.3%
38.3%	4,278	3,491	-787	-18.4%
39.5%	4,065	3,484	-581	-14.3%
40.7%	4,032	3,419	-612	-15.2%
42.0%	3,997	3,393	-604	-15.1%
43.2%	3,986	3,381	-605	-15.2%
44.4%	3,952	3,376	-576	-14.6%
45.7%	3,921	3,285	-636	-16.2%
46.9%	3,870	3,261	-609	-15.7%
48.1%	3,773	3,236	-537	-14.2%
49.4%	3,736	3,032	-704	-18.8%
50.6%	3,706	2,967	-740	-20.0%
51.9%	3,620	2,868	-752	-20.8%
53.1%	3,607	2,857	-750	-20.8%
54.3%	3,591	2,835	-756	-21.1%
55.6%	3,490	2,823	-667	-19.1%
56.8%	3,465	2,823	-642	-18.5%
58.0%	3,394	2,821	-574	-16.9%
59.3%	3,355	2,698	-657	-19.6%
60.5%	3,336	2,683	-653	-19.6%
61.7%	3,291	2,677	-614	-18.7%
63.0%	3,278	2,656	-622	-19.0%
64.2%	3,271	2,656	-615	-18.8%
65.4%	3,148	2,656	-492	-15.6%
66.7%	3,058	2,656	-402	-13.1%
67.9%	3,029	2,656	-373	-12.3%
69.1%	2,830	2,656	-174	-6.1%
70.4%	2,823	2,656	-166	-5.9%
71.6%	2,780	2,651	-129	-4.6%
72.8%	2,740	2,604	-136	-5.0%
74.1%	2,690	2,602	-88	-3.3%
75.3%	2,687	2,590	-97	-3.6%
76.5%	2,608	2,539	-69	-2.6%
77.8%	2,454	2,536	82	3.3%
79.0%	2,429	2,501	72	3.0%
80.2%	2,411	2,381	-30	-1.2%
81.5%	2,204	2,352	148	6.7%
82.7%	2,009	2,340	330	16.4%
84.0%	1,985	2,240	255	12.8%
85.2%	1,952	2,124	173	8.8%
86.4%	1,920	2,077	157	8.2%
87.7%	1,847	2,069	222	12.0%
88.9%	1,819	2,050	231	12.7%
90.1%	1,799	2,017	218	12.1%
91.4%	1,743	1,836	93	5.3%
92.6%	1,657	1,830	173	10.4%
93.8%	1,656	1,753	97	5.9%
95.1%	1,656	1,641	-15	-0.9%
96.3%	1,656	1,604	-52	-3.2%
97.5%	1,656	1,574	-82	-5.0%
98.8%	1,656	1,319	-337	-20.3%
100.0%	1,649	1,206	-443	-26.8%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,928	10,824	-104	-1.0%
1.2%	10,824	10,750	-73	-0.7%
2.5%	10,750	10,725	-25	-0.2%
3.7%	10,600	10,600	0	0.0%
4.9%	10,600	10,140	-461	-4.3%
6.2%	10,600	10,138	-462	-4.4%
7.4%	10,472	10,050	-422	-4.0%
8.6%	10,456	10,006	-450	-4.3%
9.9%	10,397	9,884	-514	-4.9%
11.1%	10,346	9,719	-627	-6.1%
12.3%	10,314	9,447	-867	-8.4%
13.6%	10,243	9,445	-798	-7.8%
14.8%	10,184	9,386	-798	-7.8%
16.0%	10,033	9,351	-683	-6.8%
17.3%	9,957	9,226	-731	-7.3%
18.5%	9,951	9,226	-725	-7.3%
19.8%	9,878	9,194	-685	-6.9%
21.0%	9,857	9,138	-719	-7.3%
22.2%	9,814	9,100	-714	-7.3%
23.5%	9,747	9,077	-670	-6.9%
24.7%	9,692	9,035	-658	-6.8%
25.9%	9,654	8,846	-808	-8.4%
27.2%	9,562	8,806	-755	-7.9%
28.4%	9,523	8,742	-782	-8.2%
29.6%	9,452	8,736	-716	-7.6%
30.9%	9,424	8,714	-710	-7.5%
32.1%	9,419	8,687	-732	-7.8%
33.3%	9,399	8,678	-721	-7.7%
34.6%	9,317	8,585	-732	-7.9%
35.8%	9,298	8,492	-806	-8.7%
37.0%	9,294	8,397	-897	-9.7%
38.3%	9,291	8,395	-896	-9.6%
39.5%	9,257	8,392	-864	-9.3%
40.7%	9,159	8,386	-773	-8.4%
42.0%	9,137	8,361	-776	-8.5%
43.2%	9,036	8,341	-694	-7.7%
44.4%	8,935	8,322	-612	-6.9%
45.7%	8,920	8,305	-615	-6.9%
46.9%	8,884	8,302	-581	-6.5%
48.1%	8,820	8,277	-543	-6.2%
49.4%	8,796	8,270	-526	-6.0%
50.6%	8,653	8,238	-415	-4.8%
51.9%	8,653	8,206	-447	-5.2%
53.1%	8,530	8,023	-507	-5.9%
54.3%	8,522	7,996	-526	-6.2%
55.6%	8,466	7,892	-573	-6.8%
56.8%	8,331	7,820	-512	-6.1%
58.0%	8,267	7,811	-456	-5.5%
59.3%	8,218	7,577	-642	-7.8%
60.5%	8,162	7,482	-681	-8.3%
61.7%	7,867	7,382	-485	-6.2%
63.0%	7,867	7,269	-598	-7.6%
64.2%	7,763	7,170	-593	-7.6%
65.4%	7,752	6,440	-1,311	-16.9%
66.7%	7,621	6,280	-1,341	-17.6%
67.9%	7,453	5,980	-1,474	-19.8%
69.1%	7,441	5,875	-1,566	-21.0%
70.4%	7,400	5,785	-1,614	-21.8%
71.6%	7,037	5,769	-1,268	-18.0%
72.8%	6,672	5,643	-1,029	-15.4%
74.1%	6,265	5,524	-740	-11.8%
75.3%	5,904	4,888	-1,016	-17.2%
76.5%	5,227	4,777	-450	-8.6%
77.8%	4,423	4,473	50	1.1%
79.0%	3,875	4,434	559	14.4%
80.2%	3,669	4,326	657	17.9%
81.5%	3,542	4,063	521	14.7%
82.7%	3,502	3,644	142	4.1%
84.0%	3,234	3,575	341	10.5%
85.2%	2,919	3,137	218	7.5%
86.4%	2,914	3,085	171	5.9%
87.7%	2,889	2,928	39	1.3%
88.9%	2,876	2,796	-80	-2.8%
90.1%	2,674	2,731	57	2.1%
91.4%	2,603	2,561	-43	-1.6%
92.6%	2,527	2,348	-180	-7.1%
93.8%	2,360	2,338	-22	-0.9%
95.1%	2,148	2,170	21	1.0%
96.3%	1,617	1,602	-15	-0.9%
97.5%	1,560	1,587	27	1.8%
98.8%	1,449	1,540	92	6.3%
100.0%	1,405	1,506	102	7.2%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	9,162	8,838	-325	-3.5%
1.2%	8,815	8,802	-14	-0.2%
2.5%	8,806	8,765	-41	-0.5%
3.7%	8,776	8,754	-23	-0.3%
4.9%	8,697	8,656	-41	-0.5%
6.2%	8,667	8,535	-132	-1.5%
7.4%	8,611	8,535	-76	-0.9%
8.6%	8,596	8,443	-153	-1.8%
9.9%	8,575	8,394	-181	-2.1%
11.1%	8,564	8,350	-214	-2.5%
12.3%	8,529	8,207	-322	-3.8%
13.6%	8,521	8,068	-452	-5.3%
14.8%	8,478	8,067	-410	-4.8%
16.0%	8,377	8,031	-346	-4.1%
17.3%	8,357	8,029	-328	-3.9%
18.5%	8,347	8,015	-332	-4.0%
19.8%	8,273	7,917	-356	-4.3%
21.0%	8,233	7,907	-326	-4.0%
22.2%	8,229	7,883	-346	-4.2%
23.5%	8,192	7,688	-504	-6.2%
24.7%	8,085	7,631	-454	-5.6%
25.9%	8,062	7,556	-506	-6.3%
27.2%	7,973	7,528	-445	-5.6%
28.4%	7,953	7,380	-573	-7.2%
29.6%	7,937	7,372	-564	-7.1%
30.9%	7,917	7,360	-557	-7.0%
32.1%	7,877	7,339	-537	-6.8%
33.3%	7,849	7,234	-615	-7.8%
34.6%	7,824	7,114	-710	-9.1%
35.8%	7,714	7,114	-600	-7.8%
37.0%	7,604	7,074	-530	-7.0%
38.3%	7,555	7,041	-514	-6.8%
39.5%	7,506	7,030	-476	-6.3%
40.7%	7,402	7,009	-392	-5.3%
42.0%	7,392	6,961	-431	-5.8%
43.2%	7,028	6,897	-131	-1.9%
44.4%	7,006	6,752	-254	-3.6%
45.7%	6,757	6,597	-159	-2.4%
46.9%	6,513	6,459	-54	-0.8%
48.1%	6,402	6,301	-101	-1.6%
49.4%	5,839	5,814	-25	-0.4%
50.6%	5,820	5,684	-136	-2.3%
51.9%	5,749	5,667	-82	-1.4%
53.1%	5,586	5,628	43	0.8%
54.3%	5,551	5,573	22	0.4%
55.6%	5,132	5,491	359	7.0%
56.8%	5,059	5,370	311	6.1%
58.0%	4,929	5,060	132	2.7%
59.3%	4,906	4,896	-11	-0.2%
60.5%	4,776	4,682	-94	-2.0%
61.7%	4,754	4,483	-271	-5.7%
63.0%	4,714	4,294	-420	-8.9%
64.2%	4,648	4,223	-426	-9.2%
65.4%	4,522	4,187	-335	-7.4%
66.7%	4,381	4,057	-324	-7.4%
67.9%	4,188	4,046	-143	-3.4%
69.1%	4,113	3,917	-196	-4.8%
70.4%	3,952	3,848	-105	-2.6%
71.6%	3,512	3,766	254	7.2%
72.8%	3,413	3,709	296	8.7%
74.1%	3,133	3,556	424	13.5%
75.3%	3,024	3,082	58	1.9%
76.5%	2,954	2,992	38	1.3%
77.8%	2,590	2,872	282	10.9%
79.0%	2,556	2,625	69	2.7%
80.2%	2,342	2,473	131	5.6%
81.5%	2,340	2,238	-102	-4.4%
82.7%	2,234	2,224	-10	-0.5%
84.0%	2,139	2,211	73	3.4%
85.2%	2,072	1,815	-256	-12.4%
86.4%	2,045	1,796	-249	-12.2%
87.7%	2,036	1,697	-339	-16.6%
88.9%	1,932	1,686	-245	-12.7%
90.1%	1,907	1,555	-352	-18.4%
91.4%	1,734	1,545	-188	-10.9%
92.6%	1,722	1,533	-189	-11.0%
93.8%	1,661	1,467	-194	-11.7%
95.1%	1,498	1,231	-267	-17.8%
96.3%	1,402	1,159	-243	-17.3%
97.5%	1,321	1,156	-165	-12.5%
98.8%	1,028	1,148	121	11.7%
100.0%	1,014	1,099	85	8.4%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	10,793	10,793	0	0.0%
1.2%	10,646	10,479	-167	-1.6%
2.5%	10,630	10,473	-158	-1.5%
3.7%	10,595	10,453	-142	-1.3%
4.9%	10,479	10,392	-87	-0.8%
6.2%	10,340	10,340	0	0.0%
7.4%	10,270	10,299	29	0.3%
8.6%	10,148	10,153	5	0.0%
9.9%	10,148	9,813	-335	-3.3%
11.1%	10,032	9,652	-380	-3.8%
12.3%	10,023	9,441	-582	-5.8%
13.6%	9,940	9,438	-502	-5.1%
14.8%	9,710	9,404	-306	-3.2%
16.0%	9,558	9,297	-261	-2.7%
17.3%	9,428	9,163	-266	-2.8%
18.5%	8,902	9,092	190	2.1%
19.8%	8,625	8,957	333	3.9%
21.0%	8,611	8,779	168	1.9%
22.2%	8,543	8,559	16	0.2%
23.5%	8,406	8,179	-227	-2.7%
24.7%	8,210	8,148	-62	-0.8%
25.9%	8,202	8,086	-116	-1.4%
27.2%	8,177	7,837	-339	-4.1%
28.4%	8,081	7,833	-248	-3.1%
29.6%	8,066	7,608	-459	-5.7%
30.9%	7,897	7,424	-473	-6.0%
32.1%	7,632	7,299	-333	-4.4%
33.3%	7,614	7,224	-389	-5.1%
34.6%	7,419	7,185	-234	-3.2%
35.8%	7,314	7,123	-190	-2.6%
37.0%	6,954	6,449	-505	-7.3%
38.3%	6,430	6,042	-388	-6.0%
39.5%	6,161	5,720	-441	-7.2%
40.7%	5,659	5,713	54	0.9%
42.0%	5,538	5,567	30	0.5%
43.2%	5,446	5,384	-62	-1.1%
44.4%	5,327	5,367	40	0.8%
45.7%	5,306	5,331	25	0.5%
46.9%	5,279	5,269	-10	-0.2%
48.1%	5,241	5,064	-177	-3.4%
49.4%	5,073	5,027	-47	-0.9%
50.6%	4,819	4,856	37	0.8%
51.9%	4,776	4,817	41	0.9%
53.1%	4,416	4,624	208	4.7%
54.3%	4,200	4,489	289	6.9%
55.6%	4,127	4,410	283	6.9%
56.8%	4,049	4,406	357	8.8%
58.0%	3,916	4,360	445	11.4%
59.3%	3,911	4,003	92	2.4%
60.5%	3,841	3,453	-389	-10.1%
61.7%	3,811	3,409	-401	-10.5%
63.0%	3,593	3,289	-304	-8.4%
64.2%	3,567	3,284	-283	-7.9%
65.4%	2,925	3,141	216	7.4%
66.7%	2,896	3,118	222	7.7%
67.9%	2,729	2,916	187	6.9%
69.1%	2,419	2,827	408	16.9%
70.4%	2,079	2,485	406	19.5%
71.6%	2,072	2,472	400	19.3%
72.8%	1,981	2,455	474	23.9%
74.1%	1,875	2,430	555	29.6%
75.3%	1,767	2,327	559	31.6%
76.5%	1,765	2,208	443	25.1%
77.8%	1,725	2,079	354	20.5%
79.0%	1,709	1,985	276	16.1%
80.2%	1,708	1,977	269	15.8%
81.5%	1,698	1,971	272	16.0%
82.7%	1,686	1,959	273	16.2%
84.0%	1,633	1,951	318	19.5%
85.2%	1,611	1,945	334	20.8%
86.4%	1,567	1,920	353	22.5%
87.7%	1,437	1,851	413	28.7%
88.9%	1,416	1,780	364	25.7%
90.1%	1,365	1,723	358	26.2%
91.4%	1,295	1,670	374	28.9%
92.6%	1,277	1,560	283	22.2%
93.8%	1,234	1,409	175	14.2%
95.1%	1,232	1,294	62	5.1%
96.3%	1,231	1,198	-33	-2.7%
97.5%	1,202	1,099	-103	-8.6%
98.8%	1,119	1,070	-50	-4.4%
100.0%	1,052	1,052	0	0.0%

Figure SW-47-b
American River at Mouth, Monthly Flow
Probability of Exceedance

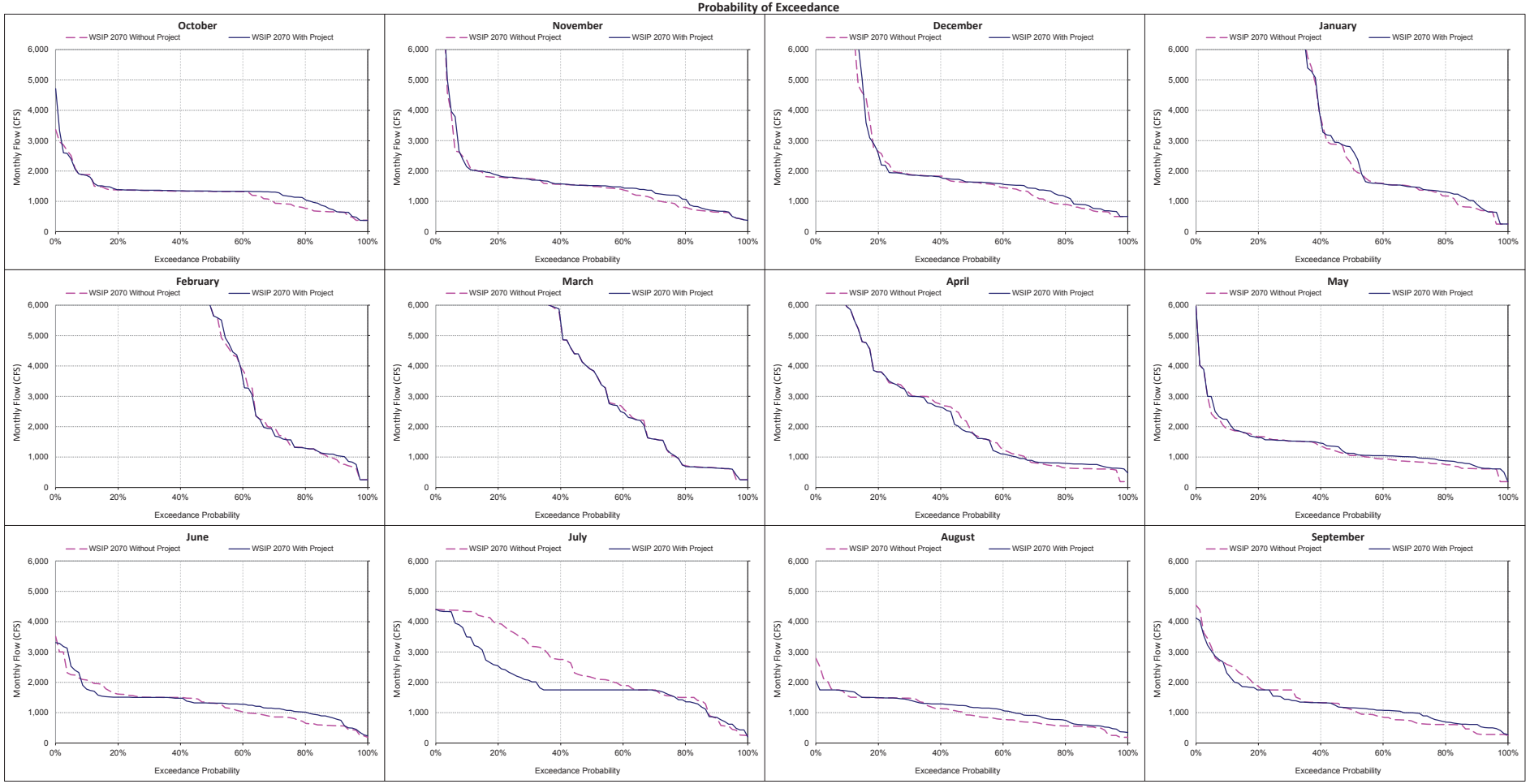


Table SW-47-b

American River at Mouth, Monthly Flow
Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,366	4,716	1,350	40.1%
1.2%	2,964	3,324	360	12.1%
2.5%	2,865	2,597	-268	-9.4%
3.7%	2,668	2,583	-86	-3.2%
4.9%	2,508	2,400	-109	-4.3%
6.2%	2,107	2,080	-27	-1.3%
7.4%	1,879	1,906	27	1.4%
8.6%	1,879	1,879	0	0.0%
9.9%	1,879	1,854	-25	-1.3%
11.1%	1,879	1,794	-85	-4.5%
12.3%	1,499	1,585	85	5.7%
13.6%	1,486	1,510	24	1.6%
14.8%	1,477	1,509	31	2.1%
16.0%	1,415	1,484	69	4.9%
17.3%	1,382	1,476	94	6.8%
18.5%	1,380	1,427	47	3.4%
19.8%	1,377	1,379	2	0.2%
21.0%	1,375	1,379	4	0.3%
22.2%	1,372	1,377	5	0.3%
23.5%	1,370	1,375	5	0.4%
24.7%	1,367	1,373	6	0.4%
25.9%	1,365	1,372	7	0.5%
27.2%	1,363	1,370	7	0.5%
28.4%	1,358	1,368	10	0.8%
29.6%	1,356	1,368	12	0.9%
30.9%	1,355	1,363	8	0.6%
32.1%	1,355	1,363	8	0.6%
33.3%	1,352	1,362	11	0.8%
34.6%	1,343	1,358	14	1.1%
35.8%	1,341	1,357	16	1.2%
37.0%	1,337	1,354	17	1.3%
38.3%	1,336	1,353	17	1.2%
39.5%	1,336	1,352	16	1.2%
40.7%	1,335	1,348	13	1.0%
42.0%	1,335	1,344	9	0.7%
43.2%	1,335	1,341	7	0.5%
44.4%	1,334	1,340	6	0.4%
45.7%	1,334	1,340	6	0.4%
46.9%	1,331	1,337	6	0.4%
48.1%	1,331	1,336	5	0.4%
49.4%	1,329	1,336	7	0.5%
50.6%	1,327	1,334	8	0.6%
51.9%	1,326	1,333	7	0.6%
53.1%	1,325	1,331	6	0.4%
54.3%	1,323	1,330	6	0.5%
55.6%	1,323	1,330	7	0.5%
56.8%	1,321	1,329	8	0.6%
58.0%	1,321	1,329	8	0.6%
59.3%	1,318	1,328	10	0.8%
60.5%	1,315	1,328	13	1.0%
61.7%	1,303	1,327	25	1.9%
63.0%	1,199	1,327	128	10.7%
64.2%	1,193	1,325	132	11.1%
65.4%	1,178	1,320	143	12.1%
66.7%	1,087	1,318	230	21.2%
67.9%	1,079	1,317	238	22.0%
69.1%	1,046	1,309	263	25.2%
70.4%	935	1,309	373	39.9%
71.6%	932	1,282	350	37.5%
72.8%	918	1,197	280	30.5%
74.1%	912	1,180	269	29.5%
75.3%	906	1,162	256	28.2%
76.5%	836	1,139	302	36.2%
77.8%	822	1,132	310	37.7%
79.0%	800	1,127	328	41.0%
80.2%	763	1,045	282	36.9%
81.5%	756	1,007	250	33.1%
82.7%	683	966	283	41.4%
84.0%	676	935	259	38.3%
85.2%	666	872	205	30.8%
86.4%	663	836	173	26.1%
87.7%	655	760	104	15.9%
88.9%	654	720	66	10.1%
90.1%	643	654	11	1.7%
91.4%	642	647	5	0.7%
92.6%	642	642	0	0.0%
93.8%	500	639	139	27.8%
95.1%	478	500	22	4.7%
96.3%	376	473	97	25.7%
97.5%	375	375	0	0.0%
98.8%	375	375	0	0.0%
100.0%	375	375	0	0.0%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	14,660	15,003	344	2.3%
1.2%	12,333	11,990	-343	-2.8%
2.5%	7,498	7,439	-59	-0.8%
3.7%	4,575	5,009	434	9.5%
4.9%	3,903	3,967	64	1.6%
6.2%	2,663	3,785	1,121	42.1%
7.4%	2,625	2,661	36	1.4%
8.6%	2,479	2,391	-88	-3.6%
9.9%	2,361	2,142	-220	-9.3%
11.1%	2,090	2,044	-46	-2.2%
12.3%	2,045	2,014	-32	-1.5%
13.6%	2,000	2,000	0	0.0%
14.8%	1,968	2,000	32	1.6%
16.0%	1,817	1,963	147	8.1%
17.3%	1,802	1,951	149	8.3%
18.5%	1,797	1,896	99	5.5%
19.8%	1,797	1,866	70	3.9%
21.0%	1,796	1,822	26	1.4%
22.2%	1,776	1,802	26	1.5%
23.5%	1,775	1,797	22	1.2%
24.7%	1,773	1,790	17	0.9%
25.9%	1,758	1,777	19	1.1%
27.2%	1,758	1,759	1	0.0%
28.4%	1,755	1,740	-15	-0.8%
29.6%	1,745	1,735	-11	-0.6%
30.9%	1,740	1,700	-40	-2.3%
32.1%	1,723	1,696	-27	-1.5%
33.3%	1,700	1,694	-5	-0.3%
34.6%	1,592	1,675	83	5.2%
35.8%	1,582	1,664	82	5.2%
37.0%	1,577	1,613	36	2.3%
38.3%	1,565	1,582	17	1.1%
39.5%	1,562	1,577	15	1.0%
40.7%	1,554	1,575	21	1.4%
42.0%	1,548	1,563	15	1.0%
43.2%	1,547	1,542	-5	-0.3%
44.4%	1,545	1,538	-7	-0.4%
45.7%	1,541	1,531	-9	-0.6%
46.9%	1,530	1,531	1	0.1%
48.1%	1,519	1,528	9	0.6%
49.4%	1,510	1,521	11	0.7%
50.6%	1,492	1,519	27	1.8%
51.9%	1,488	1,516	28	1.9%
53.1%	1,470	1,515	45	3.1%
54.3%	1,446	1,515	69	4.8%
55.6%	1,440	1,493	53	3.7%
56.8%	1,430	1,481	51	3.5%
58.0%	1,409	1,476	68	4.8%
59.3%	1,403	1,474	71	5.1%
60.5%	1,362	1,433	71	5.2%
61.7%	1,335	1,432	97	7.3%
63.0%	1,245	1,431	186	14.9%
64.2%	1,200	1,427	227	18.9%
65.4%	1,197	1,393	196	16.4%
66.7%	1,180	1,390	210	17.8%
67.9%	1,155	1,368	213	18.4%
69.1%	1,112	1,366	253	22.8%
70.4%	1,027	1,264	237	23.1%
71.6%	1,008	1,246	237	23.6%
72.8%	984	1,228	244	24.8%
74.1%	968	1,210	242	25.1%
75.3%	952	1,204	252	26.4%
76.5%	925	1,200	275	29.7%
77.8%	813	1,174	362	44.5%
79.0%	808	1,079	271	33.5%
80.2%	797	1,067	270	33.9%
81.5%	753	877	124	16.4%
82.7%	720	836	115	16.0%
84.0%	707	825	117	16.6%
85.2%	694	777	83	12.0%
86.4%	680	740	61	8.9%
87.7%	679	711	32	4.7%
88.9%	648	694	46	7.1%
90.1%	647	679	33	5.0%
91.4%	637	673	36	5.7%
92.6%	635	671	35	5.6%
93.8%	635	648	13	2.0%
95.1%	500	500	0	0.0%
96.3%	447	447	0	0.0%
97.5%	427	427	0	0.0%
98.8%	391	391	0	0.0%
100.0%	375	375	0	0.0%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	23,870	23,873	3	0.0%
1.2%	21,347	21,420	73	0.3%
2.5%	21,007	21,344	337	1.6%
3.7%	20,220	20,230	10	0.1%
4.9%	20,042	20,052	10	0.1%
6.2%	19,114	19,111	-4	0.0%
7.4%	18,281	18,286	5	0.0%
8.6%	15,097	15,094	-4	0.0%
9.9%	14,453	13,779	-674	-4.7%
11.1%	10,314	9,456	-857	-8.3%
12.3%	6,291	6,748	458	7.3%
13.6%	4,820	6,167	1,347	28.0%
14.8%	4,591	5,030	439	9.6%
16.0%	4,429	3,588	-841	-19.0%
17.3%	3,658	3,094	-564	-15.4%
18.5%	2,747	2,907	160	5.8%
19.8%	2,656	2,657	1	0.0%
21.0%	2,571	2,193	-378	-14.7%
22.2%	2,307	2,187	-121	-5.2%
23.5%	2,221	1,945	-276	-12.4%
24.7%	2,000	1,940	-60	-3.0%
25.9%	1,956	1,938	-18	-0.9%
27.2%	1,945	1,923	-23	-1.2%
28.4%	1,940	1,905	-35	-1.8%
29.6%	1,898	1,870	-28	-1.5%
30.9%	1,871	1,866	-5	-0.3%
32.1%	1,866	1,862	-3	-0.2%
33.3%	1,862	1,843	-19	-1.0%
34.6%	1,849	1,840	-9	-0.5%
35.8%	1,837	1,838	1	0.0%
37.0%	1,836	1,838	1	0.1%
38.3%	1,832	1,821	-10	-0.6%
39.5%	1,829	1,811	-18	-1.0%
40.7%	1,828	1,757	-71	-3.9%
42.0%	1,724	1,749	25	1.4%
43.2%	1,670	1,735	65	3.9%
44.4%	1,654	1,729	75	4.5%
45.7%	1,645	1,722	77	4.7%
46.9%	1,636	1,693	58	3.5%
48.1%	1,632	1,641	9	0.6%
49.4%	1,631	1,637	7	0.4%
50.6%	1,628	1,632	4	0.3%
51.9%	1,624	1,631	7	0.4%
53.1%	1,590	1,628	37	2.4%
54.3%	1,582	1,624	42	2.7%
55.6%	1,573	1,611	38	2.4%
56.8%	1,556	1,600	44	2.8%
58.0%	1,511	1,589	78	5.2%
59.3%	1,460	1,584	123	8.4%
60.5%	1,447	1,552	105	7.3%
61.7%	1,428	1,544	116	8.1%
63.0%	1,419	1,535	116	8.2%
64.2%	1,403	1,527	123	8.8%
65.4%	1,351	1,526	175	12.9%
66.7%	1,351	1,518	167	12.4%
67.9%	1,325	1,443	119	8.9%
69.1%	1,216	1,433	217	17.9%
70.4%	1,159	1,428	269	23.2%
71.6%	1,085	1,377	292	26.9%
72.8%	1,078	1,375	298	27.6%
74.1%	989	1,356	367	37.1%
75.3%	964	1,340	376	39.0%
76.5%	922	1,254	332	36.0%
77.8%	915	1,201	286	31.2%
79.0%	901	1,194	293	32.5%
80.2%	897	1,142	245	27.3%
81.5%	874	1,089	214	24.5%
82.7%	811	915	105	12.9%
84.0%	806	900	93	11.6%
85.2%	768	891	123	16.0%
86.4%	760	889	129	17.0%
87.7%	742	846	105	14.1%
88.9%	683	764	81	11.9%
90.1%	662	760	98	14.9%
91.4%	660	746	86	13.0%
92.6%	657	693	36	5.5%
93.8%	647	689	42	6.4%
95.1%	500	676	176	35.3%
96.3%	500	667	167	33.5%
97.5%	500	500	0	0.0%
98.8%	500	500	0	0.0%
100.0%	500	500	0	0.0%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	41,001	40,999	-2	0.0%
1.2%	29,906	29,901	-5	0.0%
2.5%	29,612	29,474	-138	-0.5%
3.7%	29,182	29,185	3	0.0%
4.9%	27,559	27,557	-2	0.0%
6.2%	25,921	25,906	-15	-0.1%
7.4%	24,999	25,001	1	0.0%
8.6%	22,399	22,399	0	0.0%
9.9%	21,667	21,667	0	0.0%
11.1%	20,605	20,939	334	1.6%
12.3%	19,969	19,969	0	0.0%
13.6%	17,878	17,878	0	0.0%
14.8%	16,349	16,350	1	0.0%
16.0%	15,696	15,695	-1	0.0%
17.3%	14,486	14,422	-65	-0.4%
18.5%	14,486	13,445	-1,041	-7.2%
19.8%	13,432	13,367	-65	-0.5%
21.0%	12,711	12,575	-136	-1.1%
22.2%	11,475	11,471	-4	0.0%
23.5%	9,932	9,933	1	0.0%
24.7%	9,926	9,928	2	0.0%
25.9%	9,790	9,793	3	0.0%
27.2%	9,084	9,091	8	0.1%
28.4%	8,966	8,971	5	0.1%
29.6%	8,162	8,165	3	0.0%
30.9%	8,110	8,117	7	0.1%
32.1%	6,815	6,826	11	0.2%
33.3%	6,792	6,792	0	0.0%
34.6%	6,404	6,533	130	2.0%
35.8%	5,757	5,400	-357	-6.2%
37.0%	5,410	5,285	-126	-2.3%
38.3%	4,905	5,069	164	3.3%
39.5%	3,978	3,962	-16	-0.4%
40.7%	3,439	3,275	-164	-4.8%
42.0%	2,972	3,187	215	7.2%
43.2%	2,891	3,173	282	9.8%
44.4%	2,884	2,951	67	2.3%
45.7%	2,870	2,944	74	2.6%
46.9%	2,862	2,866	4	0.1%
48.1%	2,460	2,820	361	14.7%
49.4%	2,305	2,803	498	21.6%
50.6%	2,042	2,615	574	28.1%
51.9%	1,947	2,380	433	22.2%
53.1%	1,902	1,902	0	0.0%
54.3%	1,770	1,645	-124	-7.0%
55.6%	1,674	1,617	-56	-3.4%
56.8%	1,645	1,600	-45	-2.7%
58.0%	1,600	1,594	-6	-0.4%
59.3%	1,595	1,585	-9	-0.6%
60.5%	1,585	1,563	-22	-1.4%
61.7%	1,548	1,542	-6	-0.4%
63.0%	1,542	1,541	-1	-0.1%
64.2%	1,540	1,540	0	0.0%
65.4%	1,538	1,538	0	0.0%
66.7%	1,531	1,514	-17	-1.1%
67.9%	1,514	1,484	-31	-2.0%
69.1%	1,483	1,476	-7	-0.5%
70.4%	1,466	1,470	4	0.3%
71.6%	1,372	1,463	91	6.6%
72.8%	1,366	1,394	28	2.1%
74.1%	1,362	1,370	8	0.6%
75.3%	1,353	1,367	15	1.1%
76.5%	1,305	1,361	55	4.2%
77.8%	1,299	1,340	40	3.1%
79.0%	1,181	1,317	136	11.5%
80.2%	1,175	1,304	128	10.9%
81.5%	1,173	1,278	105	9.0%
82.7%	1,083	1,238	155	14.3%
84.0%	890	1,236	346	38.8%
85.2%	831	1,162	331	39.8%
86.4%	814	1,110	296	36.4%
87.7%	810	1,028	218	26.9%
88.9%	789	1,023	234	29.6%
90.1%	753	898	145	19.2%
91.4%	696	791	95	13.7%
92.6%	691	707	16	2.3%
93.8%	663	648	-15	-2.3%
95.1%	650	644	-7	-1.0%
96.3%	250	636	386	
97.5%	250	250	0	
98.8%	250	250	0	
100.0%	250	250	0	

Table SW-47-b

American River at Mouth, Monthly Flow

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	42,203	42,203	0	0.0%
1.2%	32,715	32,707	-8	0.0%
2.5%	32,419	32,419	0	0.0%
3.7%	23,198	23,199	1	0.0%
4.9%	22,674	22,672	-2	0.0%
6.2%	22,020	22,016	-4	0.0%
7.4%	21,197	21,197	0	0.0%
8.6%	20,907	20,905	-2	0.0%
9.9%	20,489	20,480	-9	0.0%
11.1%	20,203	20,203	0	0.0%
12.3%	20,103	20,104	1	0.0%
13.6%	20,003	19,740	-263	-1.3%
14.8%	19,622	19,619	-3	0.0%
16.0%	18,618	18,619	1	0.0%
17.3%	17,754	17,800	46	0.3%
18.5%	17,612	17,612	0	0.0%
19.8%	16,183	16,183	0	0.0%
21.0%	16,182	16,182	0	0.0%
22.2%	14,608	14,608	0	0.0%
23.5%	14,402	14,402	0	0.0%
24.7%	14,152	14,163	11	0.1%
25.9%	12,577	12,436	-141	-1.1%
27.2%	12,436	12,338	-98	-0.8%
28.4%	12,338	12,279	-59	-0.5%
29.6%	11,693	11,693	0	0.0%
30.9%	10,506	10,504	-1	0.0%
32.1%	10,251	9,590	-661	-6.4%
33.3%	9,297	9,297	0	0.0%
34.6%	8,992	9,263	272	3.0%
35.8%	8,232	8,313	81	1.0%
37.0%	7,856	8,234	378	4.8%
38.3%	7,723	7,587	-136	-1.8%
39.5%	7,586	7,469	-117	-1.5%
40.7%	7,269	7,270	1	0.0%
42.0%	7,131	7,130	-1	0.0%
43.2%	6,865	6,860	-5	-0.1%
44.4%	6,603	6,603	0	0.0%
45.7%	6,472	6,472	0	0.0%
46.9%	6,184	6,184	0	0.0%
48.1%	6,169	6,170	2	0.0%
49.4%	6,037	6,037	0	0.0%
50.6%	5,646	5,648	1	0.0%
51.9%	5,591	5,591	0	0.0%
53.1%	4,931	5,510	578	11.7%
54.3%	4,749	4,934	185	3.9%
55.6%	4,568	4,735	167	3.7%
56.8%	4,363	4,463	100	2.3%
58.0%	4,301	4,363	62	1.4%
59.3%	3,961	3,962	1	0.0%
60.5%	3,780	3,279	-501	-13.2%
61.7%	3,279	3,271	-8	-0.3%
63.0%	3,272	3,055	-217	-6.6%
64.2%	2,354	2,351	-3	-0.1%
65.4%	2,243	2,244	1	0.1%
66.7%	2,233	1,978	-255	-11.4%
67.9%	2,002	1,941	-62	-3.1%
69.1%	1,976	1,938	-37	-1.9%
70.4%	1,940	1,690	-250	-12.9%
71.6%	1,714	1,662	-53	-3.1%
72.8%	1,689	1,591	-97	-5.8%
74.1%	1,570	1,570	0	0.0%
75.3%	1,360	1,570	210	15.5%
76.5%	1,329	1,319	-10	-0.8%
77.8%	1,325	1,314	-11	-0.8%
79.0%	1,314	1,308	-6	-0.5%
80.2%	1,282	1,282	0	0.0%
81.5%	1,269	1,269	0	0.0%
82.7%	1,266	1,266	0	0.0%
84.0%	1,156	1,188	31	2.7%
85.2%	1,112	1,134	22	1.9%
86.4%	1,062	1,114	52	4.9%
87.7%	980	1,100	120	12.3%
88.9%	964	1,093	128	13.3%
90.1%	905	1,047	142	15.7%
91.4%	761	1,028	267	35.0%
92.6%	757	1,012	255	33.6%
93.8%	708	854	146	20.6%
95.1%	679	832	153	22.5%
96.3%	635	758	123	19.3%
97.5%	250	250	0	
98.8%	250	250	0	
100.0%	250	250	0	

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	25,520	25,520	0	0.0%
1.2%	24,488	24,488	0	0.0%
2.5%	21,135	21,131	-5	0.0%
3.7%	17,200	17,200	0	0.0%
4.9%	16,829	16,829	0	0.0%
6.2%	16,404	16,404	0	0.0%
7.4%	15,533	15,533	0	0.0%
8.6%	14,524	14,524	0	0.0%
9.9%	12,805	12,809	4	0.0%
11.1%	10,871	10,871	0	0.0%
12.3%	10,506	10,506	0	0.0%
13.6%	10,305	10,296	-8	-0.1%
14.8%	10,202	10,201	-1	0.0%
16.0%	10,051	10,051	0	0.0%
17.3%	9,940	9,939	-1	0.0%
18.5%	9,586	9,585	0	0.0%
19.8%	8,796	8,798	2	0.0%
21.0%	8,415	8,415	0	0.0%
22.2%	8,238	8,238	0	0.0%
23.5%	8,180	8,180	0	0.0%
24.7%	8,136	8,136	0	0.0%
25.9%	8,029	8,031	2	0.0%
27.2%	7,936	7,833	-103	-1.3%
28.4%	7,615	7,609	-5	-0.1%
29.6%	7,580	7,584	3	0.0%
30.9%	6,430	6,425	-5	-0.1%
32.1%	6,326	6,315	-11	-0.2%
33.3%	6,271	6,271	-1	0.0%
34.6%	6,126	6,126	0	0.0%
35.8%	6,028	6,028	0	0.0%
37.0%	5,977	5,975	-2	0.0%
38.3%	5,883	5,930	47	0.8%
39.5%	5,771	5,883	113	2.0%
40.7%	4,863	4,863	0	0.0%
42.0%	4,853	4,853	0	0.0%
43.2%	4,598	4,598	0	0.0%
44.4%	4,401	4,401	0	0.0%
45.7%	4,399	4,399	0	0.0%
46.9%	4,133	4,134	1	0.0%
48.1%	4,018	4,018	0	0.0%
49.4%	3,906	3,906	0	0.0%
50.6%	3,832	3,833	2	0.0%
51.9%	3,626	3,626	0	0.0%
53.1%	3,378	3,380	2	0.1%
54.3%	3,282	3,283	0	0.0%
55.6%	2,798	2,760	-38	-1.4%
56.8%	2,760	2,712	-47	-1.7%
58.0%	2,731	2,695	-37	-1.3%
59.3%	2,695	2,503	-192	-7.1%
60.5%	2,558	2,449	-109	-4.3%
61.7%	2,443	2,300	-143	-5.9%
63.0%	2,300	2,275	-25	-1.1%
64.2%	2,238	2,225	-13	-0.6%
65.4%	2,226	2,209	-16	-0.7%
66.7%	2,209	2,066	-144	-6.5%
67.9%	1,632	1,633	1	0.1%
69.1%	1,597	1,597	0	0.0%
70.4%	1,587	1,587	0	0.0%
71.6%	1,555	1,555	0	0.0%
72.8%	1,551	1,552	1	0.1%
74.1%	1,239	1,241	2	0.1%
75.3%	1,042	1,124	82	7.9%
76.5%	1,035	1,042	7	0.7%
77.8%	951	951	0	0.0%
79.0%	739	739	0	0.0%
80.2%	710	686	-24	-3.4%
81.5%	685	680	-6	-0.8%
82.7%	680	677	-3	-0.4%
84.0%	677	663	-15	-2.2%
85.2%	663	656	-6	-1.0%
86.4%	657	651	-6	-0.9%
87.7%	656	650	-6	-1.0%
88.9%	651	641	-9	-1.5%
90.1%	642	638	-4	-0.6%
91.4%	634	628	-6	-0.9%
92.6%	615	615	0	0.0%
93.8%	613	613	0	0.1%
95.1%	603	597	-6	-0.9%
96.3%	250	411	161	
97.5%	250	250	0	
98.8%	250	250	0	
100.0%	250	250	0	

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	20,737	20,731	-5	0.0%
1.2%	19,388	19,388	0	0.0%
2.5%	11,880	11,880	0	0.0%
3.7%	10,987	10,983	-4	0.0%
4.9%	10,960	10,960	0	0.0%
6.2%	7,489	7,489	0	0.0%
7.4%	6,496	6,496	0	0.0%
8.6%	6,170	6,170	0	0.0%
9.9%	5,959	5,959	0	0.0%
11.1%	5,854	5,854	0	0.0%
12.3%	5,506	5,506	0	0.0%
13.6%	5,227	5,219	-8	-0.2%
14.8%	4,798	4,798	0	0.0%
16.0%	4,767	4,766	-1	0.0%
17.3%	4,559	4,559	0	0.0%
18.5%	3,849	3,849	0	0.0%
19.8%	3,807	3,803	-4	-0.1%
21.0%	3,803	3,798	-5	-0.1%
22.2%	3,659	3,660	1	0.0%
23.5%	3,445	3,499	54	1.6%
24.7%	3,434	3,433	0	0.0%
25.9%	3,416	3,382	-34	-1.0%
27.2%	3,382	3,283	-100	-2.9%
28.4%	3,246	3,246	0	0.0%
29.6%	3,143	3,013	-131	-4.2%
30.9%	3,013	3,000	-13	-0.4%
32.1%	3,000	3,000	0	0.0%
33.3%	3,000	2,991	-9	-0.3%
34.6%	3,000	2,965	-35	-1.2%
35.8%	2,991	2,784	-207	-6.9%
37.0%	2,907	2,758	-149	-5.1%
38.3%	2,801	2,677	-125	-4.4%
39.5%	2,759	2,652	-107	-3.9%
40.7%	2,689	2,618	-70	-2.6%
42.0%	2,676	2,531	-146	-5.4%
43.2%	2,652	2,496	-156	-5.9%
44.4%	2,530	2,075	-454	-18.0%
45.7%	2,470	2,016	-455	-18.4%
46.9%	2,224	1,897	-327	-14.7%
48.1%	2,185	1,844	-341	-15.6%
49.4%	1,932	1,823	-109	-5.6%
50.6%	1,735	1,766	30	1.8%
51.9%	1,685	1,610	-75	-4.5%
53.1%	1,604	1,607	3	0.2%
54.3%	1,591	1,591	0	0.0%
55.6%	1,557	1,557	0	0.0%
56.8%	1,473	1,219	-254	-17.3%
58.0%	1,468	1,168	-300	-20.4%
59.3%	1,299	1,108	-192	-14.8%
60.5%	1,219	1,095	-124	-10.1%
61.7%	1,168	1,059	-109	-9.3%
63.0%	1,108	1,025	-83	-7.5%
64.2%	1,095	1,006	-89	-8.2%
65.4%	1,058	953	-104	-9.9%
66.7%	1,026	949	-77	-7.5%
67.9%	892	894	2	0.2%
69.1%	821	892	71	8.6%
70.4%	803	839	36	4.5%
71.6%	787	821	33	4.3%
72.8%	769	816	47	6.1%
74.1%	738	812	73	9.9%
75.3%	718	807	89	12.4%
76.5%	711	804	93	13.1%
77.8%	706	803	97	13.7%
79.0%	653	798	144	22.1%
80.2%	634	787	154	24.3%
81.5%	631	777	147	23.2%
82.7%	625	772	147	23.6%
84.0%	622	769	147	23.6%
85.2%	619	769	150	24.2%
86.4%	616	765	149	24.1%
87.7%	614	757	142	23.1%
88.9%	612	757	145	23.7%
90.1%	605	754	149	24.5%
91.4%	605	712	108	17.8%
92.6%	604	676	72	11.9%
93.8%	598	654	56	9.4%
95.1%	593	635	42	7.2%
96.3%	569	634	65	11.5%
97.5%	188	622	434	231.0%
98.8%	188	605	417	222.0%
100.0%	188	468	280	148.7%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	5,966	5,966	0	0.0%
1.2%	4,025	4,025	0	0.0%
2.5%	3,888	3,888	0	0.0%
3.7%	3,000	3,000	0	0.0%
4.9%	2,428	3,000	572	23.6%
6.2%	2,281	2,501	221	9.7%
7.4%	2,250	2,332	82	3.6%
8.6%	2,050	2,250	200	9.8%
9.9%	1,919	2,245	326	17.0%
11.1%	1,905	2,041	136	7.1%
12.3%	1,864	1,894	30	1.6%
13.6%	1,856	1,864	9	0.5%
14.8%	1,805	1,824	20	1.1%
16.0%	1,788	1,786	-1	-0.1%
17.3%	1,772	1,693	-79	-4.5%
18.5%	1,695	1,673	-22	-1.3%
19.8%	1,676	1,637	-39	-2.3%
21.0%	1,673	1,635	-38	-2.2%
22.2%	1,662	1,571	-91	-5.5%
23.5%	1,603	1,569	-34	-2.1%
24.7%	1,571	1,568	-3	-0.2%
25.9%	1,570	1,552	-19	-1.2%
27.2%	1,568	1,551	-17	-1.1%
28.4%	1,551	1,548	-3	-0.2%
29.6%	1,522	1,536	14	0.9%
30.9%	1,521	1,522	1	0.0%
32.1%	1,520	1,522	2	0.1%
33.3%	1,517	1,520	3	0.2%
34.6%	1,511	1,517	6	0.4%
35.8%	1,506	1,509	3	0.2%
37.0%	1,501	1,506	5	0.3%
38.3%	1,459	1,501	43	2.9%
39.5%	1,372	1,468	96	7.0%
40.7%	1,333	1,446	113	8.5%
42.0%	1,271	1,372	101	7.9%
43.2%	1,267	1,357	90	7.1%
44.4%	1,211	1,355	143	11.8%
45.7%	1,167	1,333	166	14.2%
46.9%	1,128	1,211	83	7.4%
48.1%	1,123	1,128	5	0.4%
49.4%	1,051	1,123	72	6.8%
50.6%	1,051	1,119	68	6.4%
51.9%	1,050	1,074	23	2.2%
53.1%	1,038	1,064	26	2.5%
54.3%	1,005	1,057	53	5.2%
55.6%	991	1,056	65	6.6%
56.8%	969	1,049	80	8.2%
58.0%	948	1,049	100	10.6%
59.3%	936	1,044	107	11.5%
60.5%	936	1,042	106	11.3%
61.7%	929	1,035	106	11.4%
63.0%	907	1,033	126	13.9%
64.2%	894	1,026	132	14.8%
65.4%	868	1,019	152	17.5%
66.7%	865	1,013	148	17.2%
67.9%	857	1,010	153	17.8%
69.1%	852	1,004	152	17.8%
70.4%	844	1,001	157	18.5%
71.6%	832	966	134	16.1%
72.8%	830	957	126	15.2%
74.1%	829	957	127	15.4%
75.3%	784	944	159	20.3%
76.5%	782	938	156	19.9%
77.8%	782	896	114	14.6%
79.0%	775	878	103	13.3%
80.2%	745	872	127	17.0%
81.5%	741	861	120	16.2%
82.7%	697	855	158	22.7%
84.0%	688	818	130	19.0%
85.2%	629	816	187	29.7%
86.4%	627	784	158	25.1%
87.7%	621	782	160	25.8%
88.9%	619	728	109	17.7%
90.1%	613	680	68	11.0%
91.4%	610	646	36	5.9%
92.6%	609	627	18	2.9%
93.8%	608	621	13	2.1%
95.1%	607	608	1	0.1%
96.3%	605	606	1	0.1%
97.5%	188	605	417	221.7%
98.8%	188	496	308	163.7%
100.0%	188	188	0	0.0%

Table SW-47-b

American River at Mouth, Monthly Flow

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	3,512	3,308	-204	-5.8%
1.2%	3,000	3,285	285	9.5%
2.5%	3,000	3,181	181	6.0%
3.7%	2,313	3,125	812	35.1%
4.9%	2,250	2,532	282	12.5%
6.2%	2,241	2,404	163	7.3%
7.4%	2,146	2,326	180	8.4%
8.6%	2,095	1,908	-187	-8.9%
9.9%	2,077	1,776	-301	-14.5%
11.1%	2,033	1,735	-299	-14.7%
12.3%	1,959	1,710	-249	-12.7%
13.6%	1,957	1,575	-382	-19.5%
14.8%	1,936	1,542	-393	-20.3%
16.0%	1,788	1,530	-259	-14.5%
17.3%	1,715	1,521	-193	-11.3%
18.5%	1,654	1,514	-140	-8.5%
19.8%	1,616	1,511	-105	-6.5%
21.0%	1,607	1,511	-96	-6.0%
22.2%	1,603	1,508	-95	-5.9%
23.5%	1,573	1,507	-66	-4.2%
24.7%	1,564	1,504	-60	-3.9%
25.9%	1,534	1,504	-31	-2.0%
27.2%	1,514	1,504	-10	-0.7%
28.4%	1,511	1,502	-9	-0.6%
29.6%	1,507	1,502	-4	-0.3%
30.9%	1,504	1,502	-2	-0.1%
32.1%	1,504	1,501	-2	-0.2%
33.3%	1,504	1,500	-3	-0.2%
34.6%	1,502	1,500	-2	-0.2%
35.8%	1,502	1,499	-3	-0.2%
37.0%	1,502	1,494	-8	-0.5%
38.3%	1,501	1,479	-22	-1.5%
39.5%	1,500	1,477	-23	-1.6%
40.7%	1,499	1,477	-22	-1.5%
42.0%	1,479	1,379	-100	-6.8%
43.2%	1,477	1,352	-125	-8.4%
44.4%	1,477	1,324	-153	-10.4%
45.7%	1,446	1,322	-124	-8.6%
46.9%	1,351	1,320	-31	-2.3%
48.1%	1,351	1,319	-32	-2.4%
49.4%	1,317	1,316	-1	0.0%
50.6%	1,312	1,315	3	0.3%
51.9%	1,300	1,313	12	1.0%
53.1%	1,269	1,309	40	3.1%
54.3%	1,163	1,302	139	12.0%
55.6%	1,148	1,290	142	12.4%
56.8%	1,122	1,285	163	14.6%
58.0%	1,075	1,285	210	19.6%
59.3%	1,044	1,281	236	22.6%
60.5%	1,005	1,276	271	27.0%
61.7%	989	1,248	259	26.2%
63.0%	980	1,242	261	26.7%
64.2%	972	1,213	240	24.7%
65.4%	949	1,212	263	27.7%
66.7%	926	1,159	233	25.2%
67.9%	895	1,154	259	29.0%
69.1%	871	1,148	277	31.8%
70.4%	859	1,135	276	32.1%
71.6%	857	1,130	274	31.9%
72.8%	856	1,109	253	29.6%
74.1%	849	1,077	228	26.9%
75.3%	832	1,076	244	29.3%
76.5%	806	1,042	236	29.3%
77.8%	748	1,028	280	37.5%
79.0%	720	1,026	306	42.5%
80.2%	646	1,017	371	57.4%
81.5%	634	975	340	53.7%
82.7%	631	949	317	50.3%
84.0%	596	932	336	56.4%
85.2%	594	894	300	50.5%
86.4%	581	893	313	53.8%
87.7%	580	861	281	48.4%
88.9%	570	821	252	44.2%
90.1%	568	784	216	38.0%
91.4%	565	748	183	32.5%
92.6%	560	566	6	1.1%
93.8%	439	503	64	14.5%
95.1%	438	490	52	11.9%
96.3%	422	450	28	6.6%
97.5%	245	345	100	40.7%
98.8%	235	266	31	13.1%
100.0%	188	239	51	26.9%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,401	4,403	2	0.1%
1.2%	4,399	4,351	-49	-1.1%
2.5%	4,386	4,332	-54	-1.2%
3.7%	4,385	4,332	-52	-1.2%
4.9%	4,379	4,326	-53	-1.2%
6.2%	4,377	3,953	-424	-9.7%
7.4%	4,373	3,900	-474	-10.8%
8.6%	4,350	3,805	-545	-12.5%
9.9%	4,332	3,495	-837	-19.3%
11.1%	4,332	3,485	-847	-19.5%
12.3%	4,329	3,216	-1,113	-25.7%
13.6%	4,210	3,174	-1,037	-24.6%
14.8%	4,179	3,070	-1,109	-26.5%
16.0%	4,144	2,737	-1,407	-33.9%
17.3%	4,138	2,657	-1,481	-35.8%
18.5%	3,990	2,584	-1,406	-35.2%
19.8%	3,934	2,551	-1,383	-35.1%
21.0%	3,926	2,442	-1,484	-37.8%
22.2%	3,822	2,419	-1,403	-36.7%
23.5%	3,718	2,330	-1,388	-37.3%
24.7%	3,655	2,275	-1,380	-37.7%
25.9%	3,576	2,200	-1,377	-38.5%
27.2%	3,472	2,159	-1,313	-37.8%
28.4%	3,435	2,089	-1,346	-39.2%
29.6%	3,288	2,075	-1,213	-36.9%
30.9%	3,184	2,017	-1,167	-36.7%
32.1%	3,174	2,013	-1,161	-36.6%
33.3%	3,154	1,820	-1,334	-42.3%
34.6%	3,095	1,750	-1,345	-43.5%
35.8%	2,960	1,750	-1,210	-40.9%
37.0%	2,782	1,750	-1,032	-37.1%
38.3%	2,774	1,750	-1,024	-36.9%
39.5%	2,754	1,750	-1,004	-36.5%
40.7%	2,754	1,750	-1,004	-36.4%
42.0%	2,702	1,750	-952	-35.2%
43.2%	2,639	1,750	-889	-33.7%
44.4%	2,311	1,750	-561	-24.3%
45.7%	2,260	1,750	-510	-22.6%
46.9%	2,219	1,750	-469	-21.1%
48.1%	2,207	1,750	-457	-20.7%
49.4%	2,183	1,750	-433	-19.8%
50.6%	2,143	1,750	-393	-18.3%
51.9%	2,096	1,750	-346	-16.5%
53.1%	2,093	1,750	-343	-16.4%
54.3%	2,086	1,750	-336	-16.1%
55.6%	2,062	1,750	-312	-15.1%
56.8%	2,013	1,750	-263	-13.1%
58.0%	1,979	1,750	-229	-11.6%
59.3%	1,902	1,750	-152	-8.0%
60.5%	1,893	1,750	-143	-7.5%
61.7%	1,887	1,750	-137	-7.3%
63.0%	1,791	1,750	-41	-2.3%
64.2%	1,750	1,750	0	0.0%
65.4%	1,750	1,750	0	0.0%
66.7%	1,750	1,750	0	0.0%
67.9%	1,750	1,750	0	0.0%
69.1%	1,750	1,750	0	0.0%
70.4%	1,750	1,727	-23	-1.3%
71.6%	1,654	1,713	59	3.6%
72.8%	1,592	1,681	88	5.6%
74.1%	1,558	1,622	64	4.1%
75.3%	1,553	1,570	16	1.1%
76.5%	1,541	1,516	-25	-1.6%
77.8%	1,504	1,425	-78	-5.2%
79.0%	1,503	1,422	-80	-5.3%
80.2%	1,503	1,359	-144	-9.6%
81.5%	1,502	1,357	-144	-9.6%
82.7%	1,501	1,319	-182	-12.1%
84.0%	1,397	1,285	-112	-8.0%
85.2%	1,393	1,189	-205	-14.7%
86.4%	1,289	1,114	-176	-13.6%
87.7%	907	870	-37	-4.1%
88.9%	849	856	7	0.8%
90.1%	814	840	26	3.2%
91.4%	578	765	187	32.4%
92.6%	560	709	149	26.6%
93.8%	559	622	63	11.2%
95.1%	446	617	171	38.4%
96.3%	422	485	64	15.1%
97.5%	263	435	173	65.8%
98.8%	256	430	174	67.9%
100.0%	240	203	-37	-15.4%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	2,793	2,044	-749	-26.8%
1.2%	2,521	1,750	-771	-30.6%
2.5%	2,118	1,750	-368	-17.4%
3.7%	2,049	1,750	-299	-14.6%
4.9%	1,781	1,750	-31	-1.8%
6.2%	1,750	1,750	0	0.0%
7.4%	1,750	1,738	-12	-0.7%
8.6%	1,708	1,730	21	1.2%
9.9%	1,575	1,718	143	9.1%
11.1%	1,508	1,702	194	12.9%
12.3%	1,507	1,683	177	11.7%
13.6%	1,506	1,585	79	5.2%
14.8%	1,505	1,503	-2	-0.1%
16.0%	1,499	1,502	3	0.2%
17.3%	1,497	1,499	1	0.1%
18.5%	1,497	1,498	1	0.1%
19.8%	1,493	1,493	0	0.0%
21.0%	1,489	1,489	0	0.0%
22.2%	1,488	1,484	-4	-0.3%
23.5%	1,487	1,483	-4	-0.3%
24.7%	1,487	1,481	-6	-0.4%
25.9%	1,481	1,477	-4	-0.3%
27.2%	1,480	1,458	-22	-1.5%
28.4%	1,477	1,446	-31	-2.1%
29.6%	1,477	1,425	-52	-3.5%
30.9%	1,472	1,386	-86	-5.8%
32.1%	1,448	1,359	-89	-6.1%
33.3%	1,357	1,322	-35	-2.6%
34.6%	1,336	1,306	-30	-2.2%
35.8%	1,233	1,301	68	5.5%
37.0%	1,186	1,291	105	8.8%
38.3%	1,141	1,290	149	13.1%
39.5%	1,139	1,288	149	13.1%
40.7%	1,129	1,286	157	13.9%
42.0%	1,127	1,268	140	12.5%
43.2%	1,080	1,264	184	17.0%
44.4%	1,068	1,256	189	17.7%
45.7%	1,039	1,239	199	19.2%
46.9%	1,027	1,237	210	20.5%
48.1%	927	1,224	297	32.0%
49.4%	921	1,183	262	28.4%
50.6%	904	1,169	265	29.3%
51.9%	877	1,165	289	32.9%
53.1%	853	1,153	301	35.3%
54.3%	845	1,148	303	35.8%
55.6%	833	1,147	314	37.6%
56.8%	825	1,130	305	36.9%
58.0%	795	1,128	333	41.8%
59.3%	783	1,103	320	40.9%
60.5%	775	1,058	283	36.5%
61.7%	762	1,051	289	37.9%
63.0%	762	1,011	250	32.8%
64.2%	741	978	237	32.0%
65.4%	709	975	266	37.5%
66.7%	696	921	226	32.5%
67.9%	688	911	223	32.4%
69.1%	686	911	224	32.7%
70.4%	675	908	233	34.6%
71.6%	651	888	236	36.3%
72.8%	619	834	215	34.8%
74.1%	614	797	182	29.7%
75.3%	596	781	185	31.1%
76.5%	579	776	198	34.1%
77.8%	570	776	206	36.2%
79.0%	564	765	201	35.6%
80.2%	560	741	181	32.3%
81.5%	560	667	107	19.2%
82.7%	556	624	69	12.4%
84.0%	555	608	53	9.6%
85.2%	552	600	48	8.7%
86.4%	538	595	57	10.6%
87.7%	533	587	53	10.0%
88.9%	530	573	43	8.1%
90.1%	493	568	75	15.2%
91.4%	491	564	74	15.0%
92.6%	425	525	100	23.6%
93.8%	263	515	252	95.9%
95.1%	250	474	224	89.6%
96.3%	248	459	211	84.9%
97.5%	188	370	182	96.8%
98.8%	188	362	174	92.5%
100.0%	188	349	161	85.8%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Flow (CFS)	WSIP 2070 With Project Monthly Flow (CFS)	Absolute Difference (CFS)	Relative Difference (%)
0.0%	4,542	4,120	-422	-9.3%
1.2%	4,397	4,034	-362	-8.2%
2.5%	3,636	3,547	-89	-2.5%
3.7%	3,446	3,222	-223	-6.5%
4.9%	3,162	3,039	-123	-3.9%
6.2%	2,802	2,866	64	2.3%
7.4%	2,694	2,752	58	2.2%
8.6%	2,678	2,676	-2	-0.1%
9.9%	2,591	2,303	-287	-11.1%
11.1%	2,544	2,149	-395	-15.5%
12.3%	2,468	2,005	-462	-18.7%
13.6%	2,341	1,968	-373	-15.9%
14.8%	2,253	1,859	-394	-17.5%
16.0%	2,223	1,852	-370	-16.7%
17.3%	2,094	1,836	-257	-12.3%
18.5%	1,956	1,829	-127	-6.5%
19.8%	1,885	1,754	-132	-7.0%
21.0%	1,785	1,750	-35	-2.0%
22.2%	1,750	1,750	0	0.0%
23.5%	1,750	1,750	0	0.0%
24.7%	1,750	1,543	-207	-11.8%
25.9%	1,750	1,543	-207	-11.8%
27.2%	1,750	1,526	-224	-12.8%
28.4%	1,750	1,445	-305	-17.4%
29.6%	1,750	1,439	-311	-17.8%
30.9%	1,750	1,402	-348	-19.9%
32.1%	1,508	1,390	-119	-7.9%
33.3%	1,458	1,352	-106	-7.3%
34.6%	1,352	1,344	-8	-0.6%
35.8%	1,345	1,337	-7	-0.5%
37.0%	1,343	1,330	-13	-1.0%
38.3%	1,338	1,330	-8	-0.6%
39.5%	1,330	1,329	-1	-0.1%
40.7%	1,328	1,323	-4	-0.3%
42.0%	1,325	1,318	-7	-0.5%
43.2%	1,318	1,317	-1	-0.1%
44.4%	1,311	1,250	-61	-4.7%
45.7%	1,308	1,181	-127	-9.7%
46.9%	1,166	1,174	8	0.7%
48.1%	1,154	1,169	15	1.3%
49.4%	1,115	1,161	46	4.2%
50.6%	1,071	1,157	87	8.1%
51.9%	1,005	1,150	145	14.4%
53.1%	950	1,144	194	20.4%
54.3%	948	1,132	184	19.4%
55.6%	944	1,118	173	18.4%
56.8%	936	1,107	171	18.3%
58.0%	892	1,086	194	21.8%
59.3%	867	1,081	213	24.6%
60.5%	840	1,076	236	28.1%
61.7%	837	1,072	236	28.2%
63.0%	768	1,067	298	38.8%
64.2%	766	1,055	290	37.8%
65.4%	763	1,048	284	37.3%
66.7%	756	998	242	32.0%
67.9%	749	995	246	32.9%
69.1%	726	993	267	36.8%
70.4%	670	988	318	47.5%
71.6%	637	983	346	54.3%
72.8%	631	898	267	42.3%
74.1%	620	896	276	44.5%
75.3%	616	828	212	34.4%
76.5%	611	772	162	26.5%
77.8%	609	751	142	23.3%
79.0%	609	710	101	16.6%
80.2%	609	688	79	13.0%
81.5%	608	677	69	11.4%
82.7%	607	655	47	7.8%
84.0%	601	637	36	5.9%
85.2%	600	620	20	3.4%
86.4%	464	616	152	32.7%
87.7%	462	610	147	31.9%
88.9%	375	609	234	62.3%
90.1%	302	608	306	101.4%
91.4%	284	533	250	88.0%
92.6%	281	510	229	81.6%
93.8%	281	498	217	77.2%
95.1%	281	496	215	76.4%
96.3%	281	476	195	69.2%
97.5%	281	412	131	46.7%
98.8%	281	308	27	9.6%
100.0%	252	278	26	10.1%

Figure SW-53-b
Sacramento River at Bend Bridge, Monthly Stage
Probability of Exceedance

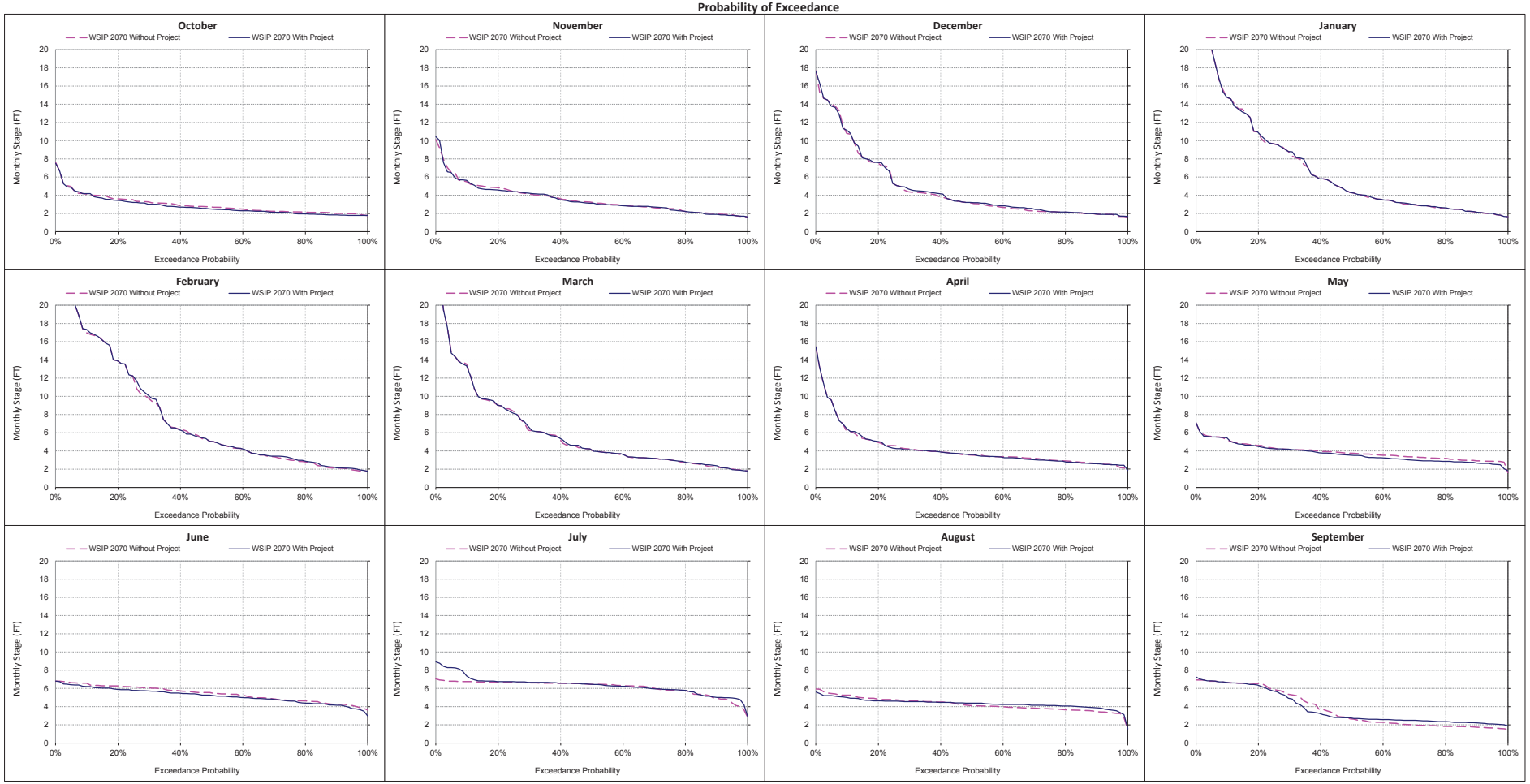


Table SW-53-b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	8	8	0	-1.1%
1.2%	7	7	0	0.0%
2.5%	5	5	0	-0.9%
3.7%	5	5	0	-2.6%
4.9%	5	5	0	-1.7%
6.2%	4	4	0	1.8%
7.4%	4	4	0	4.0%
8.6%	4	4	0	-0.3%
9.9%	4	4	0	1.5%
11.1%	4	4	0	4.1%
12.3%	4	4	0	-3.6%
13.6%	4	4	0	-5.8%
14.8%	4	4	0	-6.6%
16.0%	4	4	0	-9.5%
17.3%	4	4	0	-5.2%
18.5%	4	3	0	-3.9%
19.8%	4	3	0	-4.3%
21.0%	4	3	0	-4.6%
22.2%	4	3	0	-6.8%
23.5%	4	3	0	-7.1%
24.7%	4	3	0	-8.4%
25.9%	3	3	0	-3.9%
27.2%	3	3	0	-4.7%
28.4%	3	3	0	-4.5%
29.6%	3	3	0	-8.0%
30.9%	3	3	0	-4.7%
32.1%	3	3	0	-4.9%
33.3%	3	3	0	-4.5%
34.6%	3	3	0	-8.3%
35.8%	3	3	0	-10.4%
37.0%	3	3	0	-10.3%
38.3%	3	3	0	-7.7%
39.5%	3	3	0	-6.8%
40.7%	3	3	0	-5.6%
42.0%	3	3	0	-5.9%
43.2%	3	3	0	-5.0%
44.4%	3	3	0	-5.0%
45.7%	3	3	0	-5.6%
46.9%	3	3	0	-7.8%
48.1%	3	3	0	-7.3%
49.4%	3	3	0	-8.7%
50.6%	3	2	0	-7.5%
51.9%	3	2	0	-8.5%
53.1%	3	2	0	-9.0%
54.3%	3	2	0	-7.1%
55.6%	3	2	0	-7.0%
56.8%	3	2	0	-8.4%
58.0%	2	2	0	-7.3%
59.3%	2	2	0	-7.7%
60.5%	2	2	0	-6.2%
61.7%	2	2	0	-3.8%
63.0%	2	2	0	-3.5%
64.2%	2	2	0	-3.3%
65.4%	2	2	0	-3.3%
66.7%	2	2	0	-3.3%
67.9%	2	2	0	-3.1%
69.1%	2	2	0	-4.7%
70.4%	2	2	0	-4.7%
71.6%	2	2	0	-4.8%
72.8%	2	2	0	-4.9%
74.1%	2	2	0	-4.7%
75.3%	2	2	0	-4.8%
76.5%	2	2	0	-9.2%
77.8%	2	2	0	-9.6%
79.0%	2	2	0	-9.8%
80.2%	2	2	0	-9.4%
81.5%	2	2	0	-8.6%
82.7%	2	2	0	-8.6%
84.0%	2	2	0	-10.0%
85.2%	2	2	0	-10.5%
86.4%	2	2	0	-11.3%
87.7%	2	2	0	-11.2%
88.9%	2	2	0	-8.2%
90.1%	2	2	0	-8.8%
91.4%	2	2	0	-9.5%
92.6%	2	2	0	-8.2%
93.8%	2	2	0	-8.9%
95.1%	2	2	0	-9.1%
96.3%	2	2	0	-9.5%
97.5%	2	2	0	-5.9%
98.8%	2	2	0	-2.6%
100.0%	2	2	0	0.3%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	10	10	0	3.3%
1.2%	9	10	1	9.3%
2.5%	8	8	0	-4.2%
3.7%	7	7	0	-6.6%
4.9%	7	6	0	-0.8%
6.2%	6	6	-1	-8.5%
7.4%	6	6	0	0.9%
8.6%	6	6	0	1.6%
9.9%	5	6	0	2.6%
11.1%	5	5	0	1.6%
12.3%	5	5	0	-1.0%
13.6%	5	5	0	-5.7%
14.8%	5	5	0	-6.3%
16.0%	5	5	0	-5.8%
17.3%	5	5	0	-5.0%
18.5%	5	5	0	-5.7%
19.8%	5	5	0	-5.0%
21.0%	5	5	0	-5.6%
22.2%	5	5	0	-4.1%
23.5%	5	4	0	-3.0%
24.7%	4	4	0	-0.1%
25.9%	4	4	0	-0.9%
27.2%	4	4	0	1.5%
28.4%	4	4	0	1.1%
29.6%	4	4	0	1.6%
30.9%	4	4	0	2.4%
32.1%	4	4	0	2.9%
33.3%	4	4	0	2.8%
34.6%	4	4	0	4.3%
35.8%	4	4	0	2.9%
37.0%	4	4	0	-1.7%
38.3%	4	4	0	-1.2%
39.5%	4	4	0	-4.0%
40.7%	4	3	0	-2.0%
42.0%	4	3	0	-3.6%
43.2%	3	3	0	-3.5%
44.4%	3	3	0	-3.9%
45.7%	3	3	0	-1.4%
46.9%	3	3	0	-2.4%
48.1%	3	3	0	-3.2%
49.4%	3	3	0	-3.8%
50.6%	3	3	0	-1.8%
51.9%	3	3	0	-3.9%
53.1%	3	3	0	-4.2%
54.3%	3	3	0	-2.5%
55.6%	3	3	0	-1.7%
56.8%	3	3	0	-1.6%
58.0%	3	3	0	-1.5%
59.3%	3	3	0	-1.7%
60.5%	3	3	0	-1.8%
61.7%	3	3	0	-1.1%
63.0%	3	3	0	-0.5%
64.2%	3	3	0	0.3%
65.4%	3	3	0	0.7%
66.7%	3	3	0	2.0%
67.9%	3	3	0	2.2%
69.1%	3	3	0	1.9%
70.4%	3	3	0	2.8%
71.6%	3	3	0	4.1%
72.8%	3	3	0	3.8%
74.1%	3	3	0	3.4%
75.3%	3	2	0	-6.0%
76.5%	3	2	0	-6.0%
77.8%	2	2	0	-7.2%
79.0%	2	2	0	0.1%
80.2%	2	2	0	-0.1%
81.5%	2	2	0	-1.9%
82.7%	2	2	0	1.7%
84.0%	2	2	0	0.5%
85.2%	2	2	0	-0.5%
86.4%	2	2	0	-6.5%
87.7%	2	2	0	-6.2%
88.9%	2	2	0	-5.6%
90.1%	2	2	0	-2.7%
91.4%	2	2	0	-3.9%
92.6%	2	2	0	-2.9%
93.8%	2	2	0	-4.2%
95.1%	2	2	0	-4.0%
96.3%	2	2	0	2.5%
97.5%	2	2	0	0.6%
98.8%	2	2	0	3.1%
100.0%	2	2	0	0.6%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	18	18	0	-0.6%
1.2%	15	16	1	6.6%
2.5%	15	15	0	0.0%
3.7%	14	14	0	0.0%
4.9%	14	14	0	-1.7%
6.2%	14	14	0	-1.0%
7.4%	13	13	0	-3.0%
8.6%	12	11	0	-2.6%
9.9%	11	11	0	3.2%
11.1%	11	11	0	0.9%
12.3%	10	10	0	0.0%
13.6%	9	9	1	9.2%
14.8%	8	8	0	-1.6%
16.0%	8	8	0	-1.1%
17.3%	8	8	0	2.6%
18.5%	8	8	0	0.0%
19.8%	8	8	0	0.1%
21.0%	7	8	0	4.7%
22.2%	7	7	0	-3.0%
23.5%	7	7	0	-4.7%
24.7%	5	5	0	0.0%
25.9%	5	5	0	0.0%
27.2%	5	5	0	0.0%
28.4%	5	5	0	8.0%
29.6%	4	5	0	7.3%
30.9%	4	5	0	5.2%
32.1%	4	5	0	4.1%
33.3%	4	4	0	3.7%
34.6%	4	4	0	4.8%
35.8%	4	4	0	4.7%
37.0%	4	4	0	4.0%
38.3%	4	4	0	4.8%
39.5%	4	4	0	8.1%
40.7%	4	4	0	9.7%
42.0%	4	4	0	0.1%
43.2%	4	4	0	0.0%
44.4%	3	3	0	0.0%
45.7%	3	3	0	0.0%
46.9%	3	3	0	1.0%
48.1%	3	3	0	0.0%
49.4%	3	3	0	0.7%
50.6%	3	3	0	3.4%
51.9%	3	3	0	3.4%
53.1%	3	3	0	2.8%
54.3%	3	3	0	7.2%
55.6%	3	3	0	7.4%
56.8%	3	3	0	3.7%
58.0%	3	3	0	4.3%
59.3%	3	3	0	5.9%
60.5%	3	3	0	6.8%
61.7%	3	3	0	4.9%
63.0%	3	3	0	6.7%
64.2%	3	3	0	5.8%
65.4%	2	3	0	6.9%
66.7%	2	3	0	8.9%
67.9%	2	3	0	10.5%
69.1%	2	3	0	10.9%
70.4%	2	2	0	7.8%
71.6%	2	2	0	9.1%
72.8%	2	2	0	4.0%
74.1%	2	2	0	1.7%
75.3%	2	2	0	0.1%
76.5%	2	2	0	0.5%
77.8%	2	2	0	0.0%
79.0%	2	2	0	0.3%
80.2%	2	2	0	1.4%
81.5%	2	2	0	0.2%
82.7%	2	2	0	-0.1%
84.0%	2	2	0	2.5%
85.2%	2	2	0	0.5%
86.4%	2	2	0	-0.1%
87.7%	2	2	0	-0.2%
88.9%	2	2	0	-0.1%
90.1%	2	2	0	0.0%
91.4%	2	2	0	-0.1%
92.6%	2	2	0	-0.4%
93.8%	2	2	0	0.4%
95.1%	2	2	0	0.6%
96.3%	2	2	0	12.3%
97.5%	2	2	0	0.4%
98.8%	2	2	0	1.0%
100.0%	2	2	0	5.0%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	24	24	0	0.0%
1.2%	22	22	0	0.0%
2.5%	22	22	0	0.0%
3.7%	21	21	0	0.0%
4.9%	20	20	0	1.1%
6.2%	18	18	0	0.0%
7.4%	17	17	0	0.9%
8.6%	16	15	0	-1.5%
9.9%	15	15	0	0.0%
11.1%	15	15	0	0.0%
12.3%	14	14	0	-1.3%
13.6%	13	13	0	0.0%
14.8%	13	13	0	-2.3%
16.0%	13	13	0	-0.3%
17.3%	13	13	0	0.0%
18.5%	11	11	0	0.6%
19.8%	11	11	0	0.0%
21.0%	10	11	0	3.1%
22.2%	10	10	0	3.4%
23.5%	10	10	0	0.0%
24.7%	10	10	0	0.0%
25.9%	10	10	0	0.0%
27.2%	10	9	0	-1.8%
28.4%	9	9	0	0.0%
29.6%	9	9	0	0.0%
30.9%	8	9	0	5.6%
32.1%	8	8	0	0.6%
33.3%	8	8	0	1.7%
34.6%	7	8	1	8.0%
35.8%	7	7	0	0.0%
37.0%	6	6	0	0.0%
38.3%	6	6	0	0.0%
39.5%	6	6	0	-0.5%
40.7%	6	6	0	-0.1%
42.0%	6	6	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	4	4	0	0.0%
50.6%	4	4	0	0.0%
51.9%	4	4	0	-0.1%
53.1%	4	4	0	0.3%
54.3%	4	4	0	3.7%
55.6%	4	4	0	4.0%
56.8%	4	4	0	1.1%
58.0%	4	4	0	0.0%
59.3%	4	4	0	-0.1%
60.5%	3	3	0	-0.2%
61.7%	3	3	0	0.0%
63.0%	3	3	0	0.0%
64.2%	3	3	0	0.0%
65.4%	3	3	0	0.1%
66.7%	3	3	0	4.4%
67.9%	3	3	0	2.5%
69.1%	3	3	0	0.8%
70.4%	3	3	0	2.3%
71.6%	3	3	0	0.0%
72.8%	3	3	0	0.0%
74.1%	3	3	0	0.0%
75.3%	3	3	0	-0.1%
76.5%	3	3	0	3.6%
77.8%	3	3	0	1.0%
79.0%	3	3	0	4.3%
80.2%	3	3	0	3.2%
81.5%	2	2	0	0.0%
82.7%	2	2	0	0.7%
84.0%	2	2	0	0.0%
85.2%	2	2	0	0.0%
86.4%	2	2	0	0.1%
87.7%	2	2	0	-0.3%
88.9%	2	2	0	0.0%
90.1%	2	2	0	-0.4%
91.4%	2	2	0	0.0%
92.6%	2	2	0	0.9%
93.8%	2	2	0	-0.2%
95.1%	2	2	0	1.6%
96.3%	2	2	0	0.9%
97.5%	2	2	0	-0.1%
98.8%	2	2	0	0.0%
100.0%	2	2	0	-0.1%

Table SW-53-b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	26	26	0	0.0%
1.2%	26	26	0	0.0%
2.5%	21	21	0	0.0%
3.7%	21	21	0	1.0%
4.9%	21	21	0	0.0%
6.2%	20	20	0	0.0%
7.4%	19	19	0	0.0%
8.6%	17	17	0	0.0%
9.9%	17	17	0	2.1%
11.1%	17	17	0	1.0%
12.3%	17	17	0	0.7%
13.6%	17	17	0	-0.2%
14.8%	16	16	0	0.0%
16.0%	16	16	0	0.0%
17.3%	16	16	0	0.0%
18.5%	14	14	0	0.0%
19.8%	14	14	0	0.0%
21.0%	14	14	0	0.0%
22.2%	14	14	0	0.0%
23.5%	12	12	0	0.2%
24.7%	12	12	0	0.0%
25.9%	11	12	1	7.8%
27.2%	10	11	1	5.3%
28.4%	10	10	0	3.5%
29.6%	10	10	0	3.0%
30.9%	9	10	0	3.1%
32.1%	9	10	0	4.5%
33.3%	9	9	0	-0.5%
34.6%	7	7	0	0.0%
35.8%	7	7	0	0.0%
37.0%	7	7	0	-1.2%
38.3%	7	7	0	0.0%
39.5%	6	6	0	-1.3%
40.7%	6	6	0	-2.1%
42.0%	6	6	0	-5.5%
43.2%	6	6	0	0.0%
44.4%	6	6	0	-2.8%
45.7%	6	6	0	-2.4%
46.9%	5	5	0	1.6%
48.1%	5	5	0	1.1%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	4	5	0	1.2%
56.8%	4	4	0	3.0%
58.0%	4	4	0	0.6%
59.3%	4	4	0	0.0%
60.5%	4	4	0	0.0%
61.7%	4	4	0	0.0%
63.0%	4	4	0	-0.1%
64.2%	4	4	0	0.0%
65.4%	4	4	0	0.0%
66.7%	4	4	0	0.0%
67.9%	3	3	0	2.3%
69.1%	3	3	0	1.2%
70.4%	3	3	0	2.3%
71.6%	3	3	0	6.2%
72.8%	3	3	0	5.9%
74.1%	3	3	0	8.4%
75.3%	3	3	0	7.9%
76.5%	3	3	0	4.1%
77.8%	3	3	0	4.7%
79.0%	3	3	0	4.3%
80.2%	3	3	0	2.0%
81.5%	3	3	0	1.7%
82.7%	3	3	0	3.0%
84.0%	2	3	0	11.4%
85.2%	2	2	0	2.4%
86.4%	2	2	0	4.0%
87.7%	2	2	0	5.2%
88.9%	2	2	0	4.5%
90.1%	2	2	0	1.3%
91.4%	2	2	0	1.2%
92.6%	2	2	0	1.0%
93.8%	2	2	0	4.4%
95.1%	2	2	0	9.0%
96.3%	2	2	0	8.1%
97.5%	2	2	0	7.0%
98.8%	2	2	0	5.4%
100.0%	2	2	0	0.2%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	25	25	0	0.0%
1.2%	23	23	0	0.0%
2.5%	19	19	0	0.0%
3.7%	18	18	0	0.0%
4.9%	15	15	0	-0.7%
6.2%	14	14	0	0.0%
7.4%	14	14	0	0.0%
8.6%	14	14	0	-1.6%
9.9%	14	13	0	-1.4%
11.1%	12	12	0	0.0%
12.3%	11	11	0	0.0%
13.6%	10	10	0	0.0%
14.8%	10	10	0	0.4%
16.0%	10	10	0	0.8%
17.3%	10	10	0	1.3%
18.5%	9	10	0	1.8%
19.8%	9	9	0	-0.5%
21.0%	9	9	0	0.5%
22.2%	9	9	0	-0.1%
23.5%	9	8	0	-2.7%
24.7%	8	8	0	-2.9%
25.9%	8	8	0	-1.7%
27.2%	7	7	0	0.0%
28.4%	7	7	0	1.4%
29.6%	6	7	0	7.0%
30.9%	6	6	0	0.0%
32.1%	6	6	0	0.0%
33.3%	6	6	0	0.0%
34.6%	6	6	0	0.0%
35.8%	6	6	0	0.0%
37.0%	6	6	0	-1.4%
38.3%	6	6	0	-1.7%
39.5%	5	5	0	0.9%
40.7%	5	5	0	7.6%
42.0%	5	5	0	4.3%
43.2%	5	5	0	0.1%
44.4%	5	5	0	0.9%
45.7%	4	5	0	6.0%
46.9%	4	4	0	-0.1%
48.1%	4	4	0	0.0%
49.4%	4	4	0	0.0%
50.6%	4	4	0	0.0%
51.9%	4	4	0	0.0%
53.1%	4	4	0	0.0%
54.3%	4	4	0	-0.1%
55.6%	4	4	0	1.2%
56.8%	4	4	0	1.3%
58.0%	4	4	0	0.6%
59.3%	4	4	0	2.8%
60.5%	4	4	0	-0.1%
61.7%	3	3	0	0.1%
63.0%	3	3	0	1.9%
64.2%	3	3	0	0.8%
65.4%	3	3	0	0.0%
66.7%	3	3	0	0.0%
67.9%	3	3	0	0.0%
69.1%	3	3	0	0.1%
70.4%	3	3	0	0.0%
71.6%	3	3	0	0.0%
72.8%	3	3	0	0.0%
74.1%	3	3	0	0.0%
75.3%	3	3	0	0.0%
76.5%	3	3	0	0.1%
77.8%	3	3	0	1.3%
79.0%	3	3	0	4.0%
80.2%	3	3	0	2.0%
81.5%	3	3	0	1.8%
82.7%	3	3	0	1.5%
84.0%	3	3	0	1.0%
85.2%	2	3	0	3.5%
86.4%	2	2	0	4.0%
87.7%	2	2	0	8.9%
88.9%	2	2	0	7.8%
90.1%	2	2	0	8.2%
91.4%	2	2	0	0.0%
92.6%	2	2	0	-0.9%
93.8%	2	2	0	-3.3%
95.1%	2	2	0	-3.0%
96.3%	2	2	0	-1.9%
97.5%	2	2	0	-1.1%
98.8%	2	2	0	0.5%
100.0%	2	2	0	0.1%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	15	15	0	0.0%
1.2%	13	13	0	0.0%
2.5%	11	11	0	0.0%
3.7%	10	10	0	0.0%
4.9%	10	10	0	0.0%
6.2%	8	8	0	0.0%
7.4%	7	7	0	-1.2%
8.6%	7	7	0	0.0%
9.9%	6	6	0	4.8%
11.1%	6	6	0	0.1%
12.3%	6	6	0	3.4%
13.6%	6	6	0	6.2%
14.8%	5	6	0	3.6%
16.0%	5	5	0	-0.1%
17.3%	5	5	0	1.0%
18.5%	5	5	0	0.7%
19.8%	5	5	0	2.0%
21.0%	5	5	0	2.6%
22.2%	5	5	0	0.0%
23.5%	5	4	0	-3.9%
24.7%	5	4	0	-5.9%
25.9%	5	4	0	-6.4%
27.2%	4	4	0	-1.4%
28.4%	4	4	0	-2.6%
29.6%	4	4	0	-1.8%
30.9%	4	4	0	-1.7%
32.1%	4	4	0	-0.9%
33.3%	4	4	0	0.9%
34.6%	4	4	0	1.3%
35.8%	4	4	0	0.6%
37.0%	4	4	0	0.5%
38.3%	4	4	0	0.8%
39.5%	4	4	0	0.7%
40.7%	4	4	0	0.1%
42.0%	4	4	0	-1.2%
43.2%	4	4	0	0.3%
44.4%	4	4	0	0.0%
45.7%	4	4	0	1.1%
46.9%	4	4	0	2.1%
48.1%	4	4	0	1.3%
49.4%	4	4	0	1.1%
50.6%	4	4	0	1.6%
51.9%	4	3	0	-0.9%
53.1%	4	3	0	-2.9%
54.3%	3	3	0	-0.2%
55.6%	3	3	0	0.5%
56.8%	3	3	0	0.6%
58.0%	3	3	0	0.2%
59.3%	3	3	0	-1.1%
60.5%	3	3	0	-3.0%
61.7%	3	3	0	-2.7%
63.0%	3	3	0	-3.0%
64.2%	3	3	0	-3.3%
65.4%	3	3	0	-3.8%
66.7%	3	3	0	-4.0%
67.9%	3	3	0	-3.6%
69.1%	3	3	0	-4.9%
70.4%	3	3	0	-4.8%
71.6%	3	3	0	-4.4%
72.8%	3	3	0	-1.7%
74.1%	3	3	0	-2.3%
75.3%	3	3	0	-1.7%
76.5%	3	3	0	-1.7%
77.8%	3	3	0	-1.7%
79.0%	3	3	0	-1.4%
80.2%	3	3	0	-4.4%
81.5%	3	3	0	-4.0%
82.7%	3	3	0	-2.5%
84.0%	3	3	0	-2.2%
85.2%	3	3	0	-3.2%
86.4%	3	3	0	-3.4%
87.7%	3	3	0	-2.6%
88.9%	3	3	0	-1.6%
90.1%	3	3	0	0.0%
91.4%	3	3	0	0.0%
92.6%	3	3	0	-0.7%
93.8%	3	3	0	-0.5%
95.1%	2	2	0	0.4%
96.3%	2	2	0	2.7%
97.5%	2	2	0	12.2%
98.8%	2	2	0	13.4%
100.0%	2	2	0	0.3%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.6%
1.2%	6	6	0	0.0%
2.5%	6	6	0	-2.5%
3.7%	6	6	0	-0.7%
4.9%	6	6	0	-0.9%
6.2%	6	6	0	0.0%
7.4%	6	5	0	-0.8%
8.6%	5	5	0	0.8%
9.9%	5	5	0	4.5%
11.1%	5	5	0	-1.0%
12.3%	5	5	0	-0.1%
13.6%	5	5	0	-1.3%
14.8%	5	5	0	-0.9%
16.0%	5	5	0	-2.9%
17.3%	5	5	0	-1.3%
18.5%	5	5	0	-2.0%
19.8%	5	5	0	-2.1%
21.0%	5	4	0	-4.0%
22.2%	4	4	0	-2.0%
23.5%	4	4	0	-2.5%
24.7%	4	4	0	-1.9%
25.9%	4	4	0	-0.2%
27.2%	4	4	0	0.0%
28.4%	4	4	0	-0.3%
29.6%	4	4	0	0.4%
30.9%	4	4	0	0.1%
32.1%	4	4	0	-0.1%
33.3%	4	4	0	-1.1%
34.6%	4	4	0	-1.4%
35.8%	4	4	0	-2.6%
37.0%	4	4	0	-3.2%
38.3%	4	4	0	-3.7%
39.5%	4	4	0	-4.8%
40.7%	4	4	0	-4.0%
42.0%	4	4	0	-4.2%
43.2%	4	4	0	-4.8%
44.4%	4	4	0	-5.2%
45.7%	4	4	0	-6.2%
46.9%	4	4	0	-5.2%
48.1%	4	4	0	-5.3%
49.4%	4	4	0	-5.5%
50.6%	4	4	0	-6.1%
51.9%	4	4	0	-5.3%
53.1%	4	3	0	-5.3%
54.3%	4	3	0	-8.9%
55.6%	4	3	0	-10.0%
56.8%	4	3	0	-8.6%
58.0%	4	3	0	-8.9%
59.3%	4	3	0	-7.8%
60.5%	4	3	0	-8.9%
61.7%	4	3	0	-9.0%
63.0%	4	3	0	-10.3%
64.2%	3	3	0	-9.7%
65.4%	3	3	0	-8.6%
66.7%	3	3	0	-9.5%
67.9%	3	3	0	-9.9%
69.1%	3	3	0	-10.3%
70.4%	3	3	0	-11.5%
71.6%	3	3	0	-11.1%
72.8%	3	3	0	-10.9%
74.1%	3	3	0	-10.7%
75.3%	3	3	0	-9.8%
76.5%	3	3	0	-9.7%
77.8%	3	3	0	-10.1%
79.0%	3	3	0	-9.6%
80.2%	3	3	0	-10.2%
81.5%	3	3	0	-7.8%
82.7%	3	3	0	-8.7%
84.0%	3	3	0	-8.3%
85.2%	3	3	0	-6.8%
86.4%	3	3	0	-6.9%
87.7%	3	3	0	-7.6%
88.9%	3	3	0	-7.7%
90.1%	3	3	0	-8.7%
91.4%	3	3	0	-9.3%
92.6%	3	3	0	-8.4%
93.8%	3	3	0	-8.7%
95.1%	3	3	0	-11.0%
96.3%	3	3	0	-12.1%
97.5%	3	2	0	-12.3%
98.8%	3	2	-1	-25.5%
100.0%	2	2	0	13.8%

Table SW-53-b

Sacramento River at Bend Bridge, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	-0.7%
2.5%	7	6	0	-3.9%
3.7%	7	6	0	-4.4%
4.9%	7	6	0	-3.2%
6.2%	7	6	0	-3.8%
7.4%	7	6	0	-3.3%
8.6%	7	6	0	-5.2%
9.9%	7	6	0	-5.8%
11.1%	6	6	0	-2.7%
12.3%	6	6	0	-4.0%
13.6%	6	6	0	-3.9%
14.8%	6	6	0	-4.0%
16.0%	6	6	0	-4.0%
17.3%	6	6	0	-4.0%
18.5%	6	6	0	-5.2%
19.8%	6	6	0	-6.0%
21.0%	6	6	0	-6.0%
22.2%	6	6	0	-5.4%
23.5%	6	6	0	-5.5%
24.7%	6	6	0	-6.0%
25.9%	6	6	0	-6.0%
27.2%	6	6	0	-6.1%
28.4%	6	6	0	-5.6%
29.6%	6	6	0	-5.6%
30.9%	6	6	0	-5.6%
32.1%	6	6	0	-5.6%
33.3%	6	6	0	-5.8%
34.6%	6	6	0	-5.2%
35.8%	6	6	0	-4.7%
37.0%	6	5	0	-4.9%
38.3%	6	5	0	-4.8%
39.5%	6	5	0	-4.3%
40.7%	6	5	0	-4.3%
42.0%	6	5	0	-4.4%
43.2%	6	5	0	-4.3%
44.4%	6	5	0	-3.5%
45.7%	6	5	0	-3.5%
46.9%	6	5	0	-5.2%
48.1%	6	5	0	-5.3%
49.4%	6	5	0	-5.3%
50.6%	5	5	0	-4.4%
51.9%	5	5	0	-5.2%
53.1%	5	5	0	-4.6%
54.3%	5	5	0	-4.5%
55.6%	5	5	0	-4.8%
56.8%	5	5	0	-5.4%
58.0%	5	5	0	-5.5%
59.3%	5	5	0	-3.6%
60.5%	5	5	0	-4.7%
61.7%	5	5	0	-2.7%
63.0%	5	5	0	-1.9%
64.2%	5	5	0	-1.8%
65.4%	5	5	0	-1.8%
66.7%	5	5	0	-1.9%
67.9%	5	5	0	-1.7%
69.1%	5	5	0	-0.9%
70.4%	5	5	0	-1.2%
71.6%	5	5	0	0.1%
72.8%	5	5	0	-0.7%
74.1%	5	5	0	-1.3%
75.3%	5	5	0	-2.1%
76.5%	5	5	0	-2.1%
77.8%	5	4	0	-4.0%
79.0%	5	4	0	-4.9%
80.2%	5	4	0	-5.5%
81.5%	5	4	0	-4.8%
82.7%	5	4	0	-5.1%
84.0%	5	4	0	-5.1%
85.2%	4	4	0	-1.5%
86.4%	4	4	0	-1.7%
87.7%	4	4	0	-2.4%
88.9%	4	4	0	-2.2%
90.1%	4	4	0	-2.7%
91.4%	4	4	0	-2.7%
92.6%	4	4	0	-4.5%
93.8%	4	4	0	-5.0%
95.1%	4	4	0	-8.5%
96.3%	4	4	0	-6.0%
97.5%	4	4	0	-5.4%
98.8%	4	3	0	-8.6%
100.0%	4	3	-1	-17.5%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	9	2	26.7%
1.2%	7	9	2	26.6%
2.5%	7	8	2	22.6%
3.7%	7	8	1	22.0%
4.9%	7	8	1	22.0%
6.2%	7	8	1	21.4%
7.4%	7	8	1	20.8%
8.6%	7	8	1	16.9%
9.9%	7	7	1	9.4%
11.1%	7	7	0	5.1%
12.3%	7	7	0	3.1%
13.6%	7	7	0	1.9%
14.8%	7	7	0	1.9%
16.0%	7	7	0	1.4%
17.3%	7	7	0	1.4%
18.5%	7	7	0	1.4%
19.8%	7	7	0	1.2%
21.0%	7	7	0	1.2%
22.2%	7	7	0	1.2%
23.5%	7	7	0	1.1%
24.7%	7	7	0	1.2%
25.9%	7	7	0	0.7%
27.2%	7	7	0	1.3%
28.4%	7	7	0	1.3%
29.6%	7	7	0	0.8%
30.9%	7	7	0	0.8%
32.1%	7	7	0	0.8%
33.3%	7	7	0	1.3%
34.6%	7	7	0	1.3%
35.8%	7	7	0	1.3%
37.0%	7	7	0	0.7%
38.3%	7	7	0	0.7%
39.5%	7	7	0	0.1%
40.7%	7	7	0	0.1%
42.0%	7	7	0	0.5%
43.2%	7	7	0	0.5%
44.4%	7	7	0	0.0%
45.7%	7	7	0	0.0%
46.9%	7	6	0	-0.7%
48.1%	6	6	0	0.0%
49.4%	6	6	0	0.1%
50.6%	6	6	0	0.0%
51.9%	6	6	0	0.0%
53.1%	6	6	0	-0.6%
54.3%	6	6	0	-1.8%
55.6%	6	6	0	-2.0%
56.8%	6	6	0	-2.0%
58.0%	6	6	0	-0.9%
59.3%	6	6	0	-1.3%
60.5%	6	6	0	-0.7%
61.7%	6	6	0	-1.3%
63.0%	6	6	0	-2.1%
64.2%	6	6	0	-2.1%
65.4%	6	6	0	-2.1%
66.7%	6	6	0	-2.2%
67.9%	6	6	0	-1.9%
69.1%	6	6	0	-1.9%
70.4%	6	6	0	-0.6%
71.6%	6	6	0	0.8%
72.8%	6	6	0	0.8%
74.1%	6	6	0	1.4%
75.3%	6	6	0	0.8%
76.5%	6	6	0	0.7%
77.8%	6	6	0	0.7%
79.0%	6	6	0	0.6%
80.2%	6	6	0	0.6%
81.5%	6	6	0	1.6%
82.7%	5	6	0	4.5%
84.0%	5	5	0	0.0%
85.2%	5	5	0	-1.9%
86.4%	5	5	0	-2.7%
87.7%	5	5	0	-1.1%
88.9%	5	5	0	1.9%
90.1%	5	5	0	2.0%
91.4%	5	5	0	3.8%
92.6%	5	5	0	2.8%
93.8%	5	5	0	4.8%
95.1%	4	5	1	13.4%
96.3%	4	5	1	18.9%
97.5%	4	5	1	18.5%
98.8%	4	4	1	14.8%
100.0%	3	3	0	1.7%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	6	0	-5.8%
1.2%	6	5	0	-7.7%
2.5%	6	5	0	-7.5%
3.7%	5	5	0	-5.3%
4.9%	5	5	0	-4.4%
6.2%	5	5	0	-4.4%
7.4%	5	5	0	-3.5%
8.6%	5	5	0	-3.7%
9.9%	5	5	0	-4.6%
11.1%	5	5	0	-6.2%
12.3%	5	5	0	-4.5%
13.6%	5	5	0	-2.8%
14.8%	5	5	0	-4.7%
16.0%	5	5	0	-5.3%
17.3%	5	5	0	-4.7%
18.5%	5	5	0	-5.8%
19.8%	5	5	0	-4.1%
21.0%	5	5	0	-3.0%
22.2%	5	5	0	-3.7%
23.5%	5	5	0	-3.7%
24.7%	5	5	0	-3.7%
25.9%	5	5	0	-3.0%
27.2%	5	5	0	-2.2%
28.4%	5	5	0	-2.8%
29.6%	5	5	0	-1.7%
30.9%	5	5	0	-1.7%
32.1%	5	5	0	-1.7%
33.3%	5	5	0	-1.0%
34.6%	5	5	0	-0.1%
35.8%	5	5	0	-1.0%
37.0%	5	5	0	-1.1%
38.3%	5	5	0	-0.1%
39.5%	5	4	0	-1.1%
40.7%	5	4	0	-1.1%
42.0%	4	4	0	0.0%
43.2%	4	4	0	0.0%
44.4%	4	4	0	0.9%
45.7%	4	4	0	3.8%
46.9%	4	4	0	4.5%
48.1%	4	4	0	5.2%
49.4%	4	4	0	6.3%
50.6%	4	4	0	6.4%
51.9%	4	4	0	7.0%
53.1%	4	4	0	7.3%
54.3%	4	4	0	6.3%
55.6%	4	4	0	6.0%
56.8%	4	4	0	5.8%
58.0%	4	4	0	5.8%
59.3%	4	4	0	6.9%
60.5%	4	4	0	6.9%
61.7%	4	4	0	8.1%
63.0%	4	4	0	8.1%
64.2%	4	4	0	8.6%
65.4%	4	4	0	8.8%
66.7%	4	4	0	9.7%
67.9%	4	4	0	9.4%
69.1%	4	4	0	8.1%
70.4%	4	4	0	8.7%
71.6%	4	4	0	9.1%
72.8%	4	4	0	9.7%
74.1%	4	4	0	9.6%
75.3%	4	4	0	9.8%
76.5%	4	4	0	9.9%
77.8%	4	4	0	9.6%
79.0%	4	4	0	10.8%
80.2%	4	4	0	11.3%
81.5%	4	4	0	11.9%
82.7%	4	4	0	11.3%
84.0%	4	4	0	11.3%
85.2%	4	4	0	10.4%
86.4%	4	4	0	10.1%
87.7%	4	4	0	10.3%
88.9%	4	4	0	10.4%
90.1%	3	4	0	11.9%
91.4%	3	4	0	12.6%
92.6%	3	4	0	9.1%
93.8%	3	4	0	9.6%
95.1%	3	4	0	9.4%
96.3%	3	4	0	8.7%
97.5%	3	3	0	2.9%
98.8%	3	3	0	13.1%
100.0%	1	2	0	6.4%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	4.6%
1.2%	7	7	0	1.7%
2.5%	7	7	0	0.0%
3.7%	7	7	0	0.6%
4.9%	7	7	0	0.6%
6.2%	7	7	0	0.0%
7.4%	7	7	0	-0.5%
8.6%	7	7	0	0.1%
9.9%	7	7	0	0.7%
11.1%	7	7	0	0.0%
12.3%	7	7	0	0.0%
13.6%	7	7	0	-0.1%
14.8%	7	7	0	0.0%
16.0%	7	7	0	-0.6%
17.3%	7	6	0	-2.0%
18.5%	7	6	0	-1.5%
19.8%	7	6	0	-2.6%
21.0%	7	6	0	-5.2%
22.2%	6	6	0	-4.0%
23.5%	6	6	0	-2.9%
24.7%	6	6	0	-2.7%
25.9%	6	6	0	-3.0%
27.2%	6	5	0	-6.0%
28.4%	6	5	0	-5.2%
29.6%	5	5	0	-8.0%
30.9%	5	5	0	-8.7%
32.1%	5	4	-1	-16.0%
33.3%	5	4	-1	-17.2%
34.6%	5	4	-1	-15.5%
35.8%	4	3	-1	-22.0%
37.0%	4	3	-1	-21.2%
38.3%	4	3	-1	-21.3%
39.5%	4	3	0	-11.4%
40.7%	4	3	-1	-15.2%
42.0%	4	3	-1	-14.3%
43.2%	3	3	-1	-15.3%
44.4%	3	3	0	-11.1%
45.7%	3	3	0	-3.8%
46.9%	3	3	0	-2.4%
48.1%	3	3	0	-2.2%
49.4%	3	3	0	4.7%
50.6%	3	3	0	3.1%
51.9%	3	3	0	7.0%
53.1%	2	3	0	6.6%
54.3%	2	3	0	8.7%
55.6%	2	3	0	13.0%
56.8%	2	3	0	13.3%
58.0%	2	3	0	14.1%
59.3%	2	3	0	13.1%
60.5%	2	3	0	13.1%
61.7%	2	3	0	17.1%
63.0%	2	3	0	17.7%
64.2%	2	3	0	16.9%
65.4%	2	3	0	23.2%
66.7%	2	3	0	22.6%
67.9%	2	2	0	23.4%
69.1%	2	2	0	23.8%
70.4%	2	2	1	26.5%
71.6%	2	2	1	26.3%
72.8%	2	2	1	26.0%
74.1%	2	2	1	25.9%
75.3%	2	2	0	25.4%
76.5%	2	2	0	25.3%
77.8%	2	2	1	27.2%
79.0%	2	2	1	28.7%
80.2%	2	2	1	28.4%
81.5%	2	2	1	27.9%
82.7%	2	2	0	25.4%
84.0%	2	2	0	25.0%
85.2%	2	2	0	24.9%
86.4%	2	2	0	25.6%
87.7%	2	2	0	24.8%
88.9%	2	2	0	25.9%
90.1%	2	2	0	27.2%
91.4%	2	2	0	26.3%
92.6%	2	2	0	26.2%
93.8%	2	2	0	26.6%
95.1%	2	2	0	25.8%
96.3%	2	2	0	25.7%
97.5%	2	2	0	28.1%
98.8%	2	2	0	28.9%
100.0%	1	2	0	26.0%

Figure SW-54-b
Sacramento River below Hamilton City, Monthly Stage
Probability of Exceedance

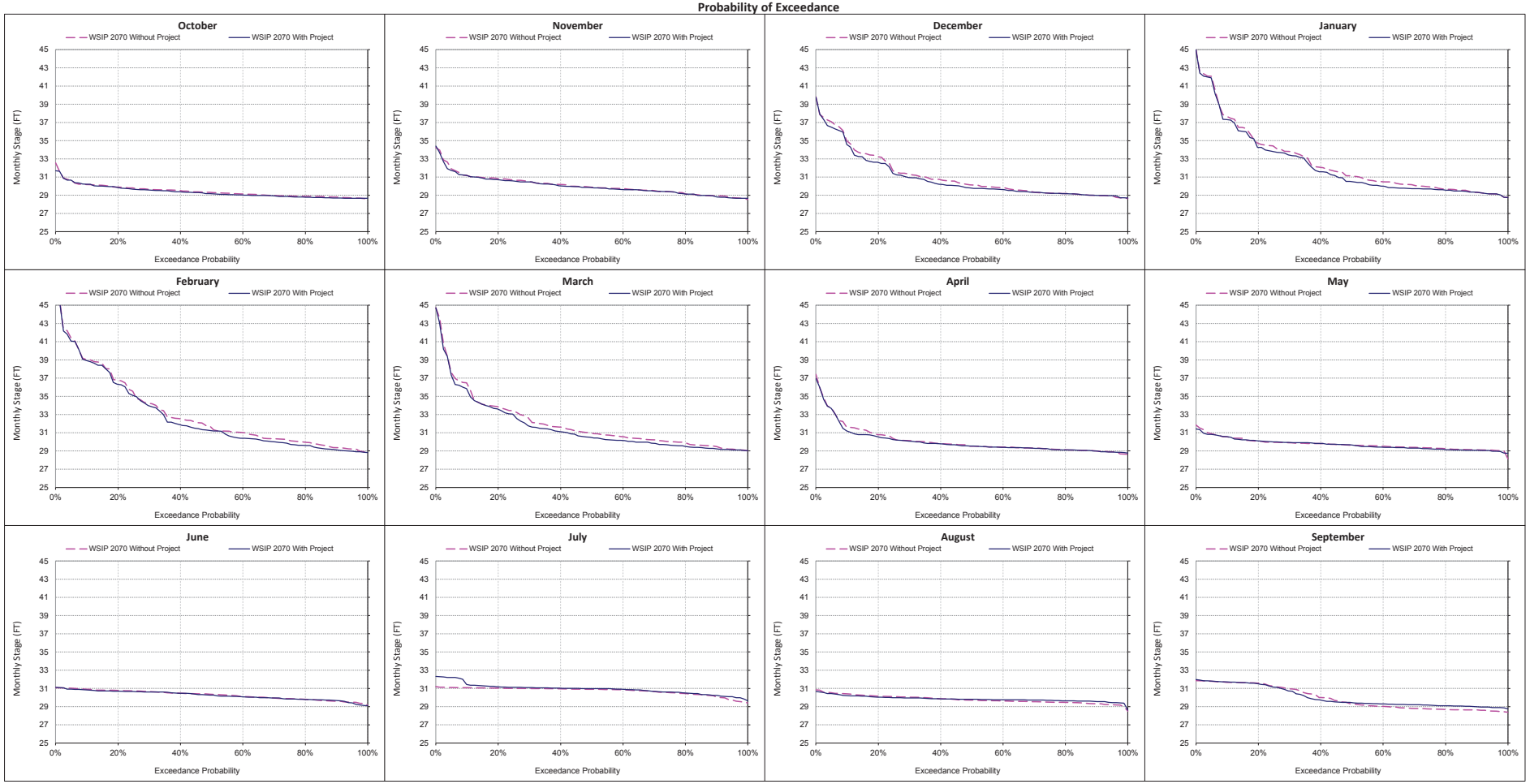


Table SW-54-b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	33	32	-1	-2.6%
1.2%	32	32	0	0.1%
2.5%	31	31	0	-0.1%
3.7%	31	31	0	-0.2%
4.9%	31	31	0	0.0%
6.2%	30	30	0	0.2%
7.4%	30	30	0	0.5%
8.6%	30	30	0	0.0%
9.9%	30	30	0	0.1%
11.1%	30	30	0	0.2%
12.3%	30	30	0	-0.3%
13.6%	30	30	0	-0.3%
14.8%	30	30	0	-0.3%
16.0%	30	30	0	-0.2%
17.3%	30	30	0	-0.1%
18.5%	30	30	0	0.2%
19.8%	30	30	0	-0.1%
21.0%	30	30	0	-0.4%
22.2%	30	30	0	-0.3%
23.5%	30	30	0	-0.3%
24.7%	30	30	0	-0.4%
25.9%	30	30	0	-0.2%
27.2%	30	30	0	-0.3%
28.4%	30	30	0	-0.4%
29.6%	30	30	0	-0.2%
30.9%	30	30	0	-0.2%
32.1%	30	30	0	-0.3%
33.3%	30	30	0	-0.3%
34.6%	30	30	0	-0.3%
35.8%	30	29	0	-0.3%
37.0%	30	29	0	-0.4%
38.3%	30	29	0	-0.6%
39.5%	30	29	0	-0.6%
40.7%	29	29	0	-0.4%
42.0%	29	29	0	-0.4%
43.2%	29	29	0	-0.3%
44.4%	29	29	0	-0.2%
45.7%	29	29	0	-0.3%
46.9%	29	29	0	-0.3%
48.1%	29	29	0	-0.5%
49.4%	29	29	0	-0.5%
50.6%	29	29	0	-0.5%
51.9%	29	29	0	-0.5%
53.1%	29	29	0	-0.5%
54.3%	29	29	0	-0.5%
55.6%	29	29	0	-0.5%
56.8%	29	29	0	-0.4%
58.0%	29	29	0	-0.5%
59.3%	29	29	0	-0.4%
60.5%	29	29	0	-0.4%
61.7%	29	29	0	-0.4%
63.0%	29	29	0	-0.4%
64.2%	29	29	0	-0.4%
65.4%	29	29	0	-0.1%
66.7%	29	29	0	-0.2%
67.9%	29	29	0	-0.1%
69.1%	29	29	0	-0.1%
70.4%	29	29	0	-0.2%
71.6%	29	29	0	-0.2%
72.8%	29	29	0	-0.3%
74.1%	29	29	0	-0.2%
75.3%	29	29	0	-0.3%
76.5%	29	29	0	-0.3%
77.8%	29	29	0	-0.3%
79.0%	29	29	0	-0.3%
80.2%	29	29	0	-0.3%
81.5%	29	29	0	-0.4%
82.7%	29	29	0	-0.4%
84.0%	29	29	0	-0.4%
85.2%	29	29	0	-0.4%
86.4%	29	29	0	-0.4%
87.7%	29	29	0	-0.3%
88.9%	29	29	0	-0.3%
90.1%	29	29	0	-0.3%
91.4%	29	29	0	-0.2%
92.6%	29	29	0	-0.2%
93.8%	29	29	0	-0.2%
95.1%	29	29	0	-0.1%
96.3%	29	29	0	-0.1%
97.5%	29	29	0	-0.1%
98.8%	29	29	0	0.1%
100.0%	29	29	0	0.1%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	34	34	0	0.5%
1.2%	34	34	0	-0.8%
2.5%	33	33	0	-0.6%
3.7%	33	32	-1	-2.2%
4.9%	32	32	0	-0.6%
6.2%	32	32	0	-0.3%
7.4%	32	31	0	-0.7%
8.6%	31	31	0	0.0%
9.9%	31	31	0	0.0%
11.1%	31	31	0	-0.1%
12.3%	31	31	0	0.0%
13.6%	31	31	0	0.0%
14.8%	31	31	0	-0.2%
16.0%	31	31	0	-0.4%
17.3%	31	31	0	-0.4%
18.5%	31	31	0	-0.6%
19.8%	31	31	0	-0.4%
21.0%	31	31	0	-0.5%
22.2%	31	31	0	-0.6%
23.5%	31	31	0	-0.4%
24.7%	31	31	0	-0.3%
25.9%	31	31	0	-0.4%
27.2%	31	30	0	-0.5%
28.4%	31	30	0	-0.4%
29.6%	31	30	0	-0.2%
30.9%	30	30	0	0.1%
32.1%	30	30	0	0.1%
33.3%	30	30	0	-0.3%
34.6%	30	30	0	-0.3%
35.8%	30	30	0	-0.3%
37.0%	30	30	0	0.0%
38.3%	30	30	0	-0.2%
39.5%	30	30	0	-0.5%
40.7%	30	30	0	-0.6%
42.0%	30	30	0	-0.5%
43.2%	30	30	0	-0.1%
44.4%	30	30	0	-0.1%
45.7%	30	30	0	-0.1%
46.9%	30	30	0	-0.3%
48.1%	30	30	0	-0.2%
49.4%	30	30	0	-0.1%
50.6%	30	30	0	-0.2%
51.9%	30	30	0	0.0%
53.1%	30	30	0	-0.1%
54.3%	30	30	0	-0.1%
55.6%	30	30	0	-0.2%
56.8%	30	30	0	-0.2%
58.0%	30	30	0	-0.3%
59.3%	30	30	0	-0.3%
60.5%	30	30	0	-0.3%
61.7%	30	30	0	-0.2%
63.0%	30	30	0	-0.1%
64.2%	30	30	0	-0.1%
65.4%	30	30	0	0.1%
66.7%	30	30	0	-0.1%
67.9%	30	29	0	-0.2%
69.1%	30	29	0	-0.2%
70.4%	29	29	0	-0.2%
71.6%	29	29	0	0.1%
72.8%	29	29	0	0.1%
74.1%	29	29	0	0.0%
75.3%	29	29	0	0.0%
76.5%	29	29	0	0.0%
77.8%	29	29	0	-0.3%
79.0%	29	29	0	-0.4%
80.2%	29	29	0	0.0%
81.5%	29	29	0	0.0%
82.7%	29	29	0	0.1%
84.0%	29	29	0	-0.2%
85.2%	29	29	0	0.0%
86.4%	29	29	0	0.0%
87.7%	29	29	0	0.1%
88.9%	29	29	0	-0.1%
90.1%	29	29	0	-0.5%
91.4%	29	29	0	-0.5%
92.6%	29	29	0	-0.4%
93.8%	29	29	0	-0.3%
95.1%	29	29	0	-0.1%
96.3%	29	29	0	-0.1%
97.5%	29	29	0	0.0%
98.8%	29	29	0	0.2%
100.0%	29	29	0	0.4%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	40	40	0	-0.2%
1.2%	38	38	0	0.2%
2.5%	38	37	0	-0.6%
3.7%	37	37	-1	-1.6%
4.9%	37	36	-1	-1.6%
6.2%	37	36	0	-1.2%
7.4%	37	36	0	-1.1%
8.6%	36	36	0	-0.5%
9.9%	35	35	0	-1.2%
11.1%	35	34	0	-1.0%
12.3%	34	33	-1	-1.7%
13.6%	34	33	0	-1.4%
14.8%	34	33	0	-1.0%
16.0%	34	33	-1	-2.2%
17.3%	33	33	-1	-2.1%
18.5%	33	33	-1	-2.3%
19.8%	33	33	-1	-1.8%
21.0%	33	33	-1	-2.0%
22.2%	33	32	0	-0.9%
23.5%	33	32	0	-1.4%
24.7%	32	31	0	-0.9%
25.9%	31	31	0	-0.8%
27.2%	31	31	0	-0.7%
28.4%	31	31	0	-1.2%
29.6%	31	31	0	-1.2%
30.9%	31	31	0	-1.0%
32.1%	31	31	0	-0.9%
33.3%	31	31	0	-0.8%
34.6%	31	31	0	-1.0%
35.8%	31	31	0	-1.3%
37.0%	31	30	0	-1.1%
38.3%	31	30	0	-1.5%
39.5%	31	30	-1	-1.7%
40.7%	31	30	0	-1.5%
42.0%	31	30	0	-1.6%
43.2%	31	30	0	-1.5%
44.4%	31	30	0	-1.6%
45.7%	30	30	0	-1.1%
46.9%	30	30	0	-1.1%
48.1%	30	30	0	-1.2%
49.4%	30	30	0	-1.2%
50.6%	30	30	0	-1.2%
51.9%	30	30	0	-1.1%
53.1%	30	30	0	-0.7%
54.3%	30	30	0	-0.8%
55.6%	30	30	0	-0.7%
56.8%	30	30	0	-0.7%
58.0%	30	30	0	-0.7%
59.3%	30	30	0	-0.7%
60.5%	30	30	0	-0.7%
61.7%	30	30	0	-0.5%
63.0%	30	30	0	-0.4%
64.2%	30	29	0	-0.4%
65.4%	30	29	0	-0.5%
66.7%	30	29	0	-0.4%
67.9%	29	29	0	-0.4%
69.1%	29	29	0	-0.3%
70.4%	29	29	0	0.0%
71.6%	29	29	0	0.1%
72.8%	29	29	0	0.0%
74.1%	29	29	0	0.0%
75.3%	29	29	0	0.0%
76.5%	29	29	0	0.0%
77.8%	29	29	0	0.0%
79.0%	29	29	0	0.0%
80.2%	29	29	0	-0.1%
81.5%	29	29	0	0.0%
82.7%	29	29	0	0.0%
84.0%	29	29	0	0.0%
85.2%	29	29	0	0.0%
86.4%	29	29	0	0.0%
87.7%	29	29	0	0.0%
88.9%	29	29	0	0.0%
90.1%	29	29	0	0.0%
91.4%	29	29	0	0.1%
92.6%	29	29	0	0.1%
93.8%	29	29	0	0.0%
95.1%	29	29	0	0.0%
96.3%	29	29	0	0.6%
97.5%	29	29	0	0.0%
98.8%	29	29	0	0.1%
100.0%	29	29	0	0.2%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	45	45	0	-0.2%
1.2%	43	42	0	-0.3%
2.5%	42	42	0	-0.6%
3.7%	42	42	0	-0.2%
4.9%	42	42	0	-0.4%
6.2%	40	40	0	-0.9%
7.4%	39	39	0	0.2%
8.6%	38	37	-1	-1.4%
9.9%	38	37	0	-0.9%
11.1%	37	37	0	-0.5%
12.3%	37	37	0	-1.1%
13.6%	36	36	0	-1.1%
14.8%	36	36	0	-1.1%
16.0%	36	36	0	-1.0%
17.3%	36	35	0	-1.2%
18.5%	35	35	0	0.1%
19.8%	35	34	0	-1.3%
21.0%	35	34	0	-0.9%
22.2%	35	34	-1	-1.5%
23.5%	34	34	-1	-1.7%
24.7%	34	34	-1	-1.8%
25.9%	34	34	0	-1.1%
27.2%	34	34	0	-1.1%
28.4%	34	34	0	-0.6%
29.6%	34	33	0	-1.2%
30.9%	34	33	0	-1.4%
32.1%	34	33	0	-0.8%
33.3%	33	33	0	-0.9%
34.6%	33	33	0	-0.5%
35.8%	33	33	-1	-1.6%
37.0%	32	32	0	-0.6%
38.3%	32	32	0	-1.3%
39.5%	32	32	0	-1.5%
40.7%	32	32	0	-1.4%
42.0%	32	32	0	-1.1%
43.2%	32	31	0	-1.5%
44.4%	32	31	0	-1.5%
45.7%	32	31	-1	-1.9%
46.9%	32	31	-1	-1.9%
48.1%	31	31	-1	-2.0%
49.4%	31	31	-1	-2.0%
50.6%	31	30	-1	-2.0%
51.9%	31	30	-1	-2.1%
53.1%	31	30	-1	-1.7%
54.3%	31	30	0	-1.5%
55.6%	31	30	-1	-1.7%
56.8%	31	30	-1	-1.7%
58.0%	31	30	0	-1.4%
59.3%	31	30	-1	-1.7%
60.5%	30	30	0	-1.6%
61.7%	30	30	-1	-2.1%
63.0%	30	30	-1	-2.1%
64.2%	30	30	0	-1.6%
65.4%	30	30	0	-1.4%
66.7%	30	30	0	-1.4%
67.9%	30	30	0	-1.4%
69.1%	30	30	0	-1.5%
70.4%	30	30	0	-1.1%
71.6%	30	30	0	-1.0%
72.8%	30	30	0	-0.9%
74.1%	30	30	0	-0.8%
75.3%	30	30	0	-0.7%
76.5%	30	30	0	-0.8%
77.8%	30	30	0	-0.5%
79.0%	30	30	0	-0.3%
80.2%	30	30	0	-0.3%
81.5%	30	30	0	-0.4%
82.7%	30	29	0	-0.5%
84.0%	30	29	0	-0.3%
85.2%	30	29	0	-0.3%
86.4%	30	29	0	-0.4%
87.7%	29	29	0	-0.2%
88.9%	29	29	0	0.1%
90.1%	29	29	0	0.0%
91.4%	29	29	0	0.0%
92.6%	29	29	0	0.0%
93.8%	29	29	0	0.0%
95.1%	29	29	0	0.0%
96.3%	29	29	0	0.0%
97.5%	29	29	0	0.0%
98.8%	29	29	0	0.0%
100.0%	29	29	0	0.0%

Table SW-54-b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.0%
1.2%	46	45	0	-0.7%
2.5%	42	42	0	-0.5%
3.7%	42	42	0	-0.8%
4.9%	41	41	0	-0.8%
6.2%	41	41	0	-0.1%
7.4%	40	40	0	0.0%
8.6%	39	39	0	-0.3%
9.9%	39	39	0	-0.2%
11.1%	39	39	0	-0.5%
12.3%	39	39	0	-0.4%
13.6%	39	38	0	-0.9%
14.8%	39	38	0	-0.6%
16.0%	38	38	0	-0.1%
17.3%	38	38	0	-1.0%
18.5%	37	37	0	-0.8%
19.8%	37	36	0	-1.2%
21.0%	37	36	0	-1.2%
22.2%	36	36	0	-1.2%
23.5%	36	35	0	-1.3%
24.7%	36	35	0	-1.3%
25.9%	35	35	0	0.6%
27.2%	35	35	0	-0.3%
28.4%	34	34	0	-0.2%
29.6%	34	34	0	-0.7%
30.9%	34	34	0	-1.0%
32.1%	34	34	0	-0.8%
33.3%	34	33	0	-0.4%
34.6%	33	33	0	-1.3%
35.8%	33	32	-1	-1.7%
37.0%	33	32	-1	-1.6%
38.3%	33	32	-1	-1.8%
39.5%	33	32	-1	-2.0%
40.7%	32	32	-1	-2.1%
42.0%	32	32	-1	-1.9%
43.2%	32	32	-1	-2.3%
44.4%	32	32	-1	-2.2%
45.7%	32	31	-1	-2.0%
46.9%	32	31	-1	-2.3%
48.1%	32	31	0	-1.5%
49.4%	32	31	0	-1.6%
50.6%	31	31	0	-0.4%
51.9%	31	31	0	0.0%
53.1%	31	31	0	-0.1%
54.3%	31	31	0	-1.1%
55.6%	31	31	-1	-1.7%
56.8%	31	31	-1	-1.7%
58.0%	31	30	-1	-1.9%
59.3%	31	30	-1	-2.1%
60.5%	31	30	-1	-2.0%
61.7%	31	30	0	-1.6%
63.0%	31	30	0	-1.5%
64.2%	31	30	0	-1.4%
65.4%	31	30	0	-1.1%
66.7%	30	30	0	-0.9%
67.9%	30	30	0	-0.9%
69.1%	30	30	0	-1.1%
70.4%	30	30	0	-1.1%
71.6%	30	30	0	-1.2%
72.8%	30	30	0	-1.3%
74.1%	30	30	0	-1.4%
75.3%	30	30	0	-1.3%
76.5%	30	30	0	-1.4%
77.8%	30	30	0	-1.3%
79.0%	30	30	0	-1.3%
80.2%	30	30	0	-1.1%
81.5%	30	30	0	-1.1%
82.7%	30	29	0	-1.2%
84.0%	30	29	0	-1.3%
85.2%	30	29	0	-1.2%
86.4%	30	29	0	-1.2%
87.7%	29	29	0	-0.9%
88.9%	29	29	0	-0.7%
90.1%	29	29	0	-0.8%
91.4%	29	29	0	-1.0%
92.6%	29	29	0	-0.9%
93.8%	29	29	0	-0.9%
95.1%	29	29	0	-0.8%
96.3%	29	29	0	-0.9%
97.5%	29	29	0	-0.2%
98.8%	29	29	0	-0.2%
100.0%	29	29	0	-0.1%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	45	45	0	0.0%
1.2%	44	43	-1	-1.2%
2.5%	41	40	-1	-1.4%
3.7%	39	39	0	0.0%
4.9%	38	37	0	-0.7%
6.2%	37	36	-1	-1.8%
7.4%	37	36	0	-1.3%
8.6%	37	36	0	-1.4%
9.9%	36	36	-1	-1.8%
11.1%	36	35	-1	-2.0%
12.3%	35	35	0	0.0%
13.6%	34	34	0	-0.1%
14.8%	34	34	0	0.0%
16.0%	34	34	0	-0.2%
17.3%	34	34	0	-0.4%
18.5%	34	34	0	-0.7%
19.8%	34	34	0	-0.8%
21.0%	34	33	0	-0.9%
22.2%	34	33	0	-1.2%
23.5%	33	33	0	-1.1%
24.7%	33	33	0	-1.1%
25.9%	33	33	-1	-2.0%
27.2%	33	32	-1	-2.1%
28.4%	33	32	-1	-2.4%
29.6%	33	32	-1	-2.7%
30.9%	32	32	0	-1.5%
32.1%	32	32	0	-1.5%
33.3%	32	31	-1	-1.7%
34.6%	32	31	-1	-1.6%
35.8%	32	31	0	-1.2%
37.0%	32	31	0	-1.1%
38.3%	32	31	0	-1.5%
39.5%	32	31	0	-1.5%
40.7%	32	31	-1	-1.6%
42.0%	31	31	0	-1.3%
43.2%	31	31	0	-1.5%
44.4%	31	31	0	-1.2%
45.7%	31	31	0	-1.6%
46.9%	31	31	0	-1.6%
48.1%	31	31	0	-1.6%
49.4%	31	31	-1	-1.6%
50.6%	31	30	0	-1.6%
51.9%	31	30	0	-1.5%
53.1%	31	30	0	-1.5%
54.3%	31	30	0	-1.6%
55.6%	31	30	-1	-1.7%
56.8%	31	30	0	-1.5%
58.0%	31	30	0	-1.6%
59.3%	31	30	0	-1.4%
60.5%	31	30	0	-1.3%
61.7%	30	30	0	-1.2%
63.0%	30	30	0	-1.2%
64.2%	30	30	0	-1.3%
65.4%	30	30	0	-1.3%
66.7%	30	30	0	-1.1%
67.9%	30	30	0	-0.9%
69.1%	30	30	0	-1.2%
70.4%	30	30	0	-1.3%
71.6%	30	30	0	-1.5%
72.8%	30	30	0	-1.3%
74.1%	30	30	0	-1.2%
75.3%	30	30	0	-1.3%
76.5%	30	30	0	-1.4%
77.8%	30	30	0	-1.3%
79.0%	30	30	0	-1.4%
80.2%	30	29	0	-1.3%
81.5%	30	29	0	-0.9%
82.7%	30	29	0	-0.8%
84.0%	30	29	0	-0.9%
85.2%	30	29	0	-0.8%
86.4%	30	29	0	-0.9%
87.7%	30	29	0	-0.9%
88.9%	30	29	0	-0.9%
90.1%	29	29	0	-0.9%
91.4%	29	29	0	-0.5%
92.6%	29	29	0	-0.3%
93.8%	29	29	0	-0.2%
95.1%	29	29	0	-0.2%
96.3%	29	29	0	-0.1%
97.5%	29	29	0	-0.1%
98.8%	29	29	0	-0.1%
100.0%	29	29	0	0.1%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	37	37	0	-1.3%
1.2%	36	36	0	0.1%
2.5%	35	35	0	-0.7%
3.7%	34	34	0	0.0%
4.9%	34	34	0	-0.3%
6.2%	33	33	0	0.0%
7.4%	32	32	0	-0.3%
8.6%	32	31	-1	-2.3%
9.9%	32	31	0	-1.3%
11.1%	32	31	-1	-1.7%
12.3%	32	31	-1	-2.1%
13.6%	31	31	-1	-1.9%
14.8%	31	31	-1	-1.8%
16.0%	31	31	-1	-1.6%
17.3%	31	31	0	-0.9%
18.5%	31	31	0	-0.7%
19.8%	31	31	0	-0.7%
21.0%	31	30	0	-1.0%
22.2%	31	30	0	-1.0%
23.5%	31	30	0	-1.0%
24.7%	30	30	0	-0.4%
25.9%	30	30	0	0.0%
27.2%	30	30	0	0.0%
28.4%	30	30	0	-0.1%
29.6%	30	30	0	-0.2%
30.9%	30	30	0	-0.2%
32.1%	30	30	0	-0.2%
33.3%	30	30	0	-0.2%
34.6%	30	30	0	-0.5%
35.8%	30	30	0	-0.4%
37.0%	30	30	0	-0.4%
38.3%	30	30	0	-0.1%
39.5%	30	30	0	-0.1%
40.7%	30	30	0	0.0%
42.0%	30	30	0	-0.2%
43.2%	30	30	0	-0.2%
44.4%	30	30	0	-0.3%
45.7%	30	30	0	-0.2%
46.9%	30	30	0	-0.4%
48.1%	30	30	0	-0.4%
49.4%	30	30	0	0.1%
50.6%	30	30	0	0.0%
51.9%	30	30	0	-0.1%
53.1%	29	29	0	0.0%
54.3%	29	29	0	0.0%
55.6%	29	29	0	0.0%
56.8%	29	29	0	-0.1%
58.0%	29	29	0	-0.1%
59.3%	29	29	0	-0.1%
60.5%	29	29	0	-0.2%
61.7%	29	29	0	-0.2%
63.0%	29	29	0	-0.1%
64.2%	29	29	0	0.0%
65.4%	29	29	0	0.0%
66.7%	29	29	0	0.0%
67.9%	29	29	0	0.0%
69.1%	29	29	0	0.0%
70.4%	29	29	0	-0.1%
71.6%	29	29	0	-0.1%
72.8%	29	29	0	0.0%
74.1%	29	29	0	0.1%
75.3%	29	29	0	-0.1%
76.5%	29	29	0	-0.1%
77.8%	29	29	0	-0.1%
79.0%	29	29	0	-0.1%
80.2%	29	29	0	0.0%
81.5%	29	29	0	0.0%
82.7%	29	29	0	0.0%
84.0%	29	29	0	0.0%
85.2%	29	29	0	0.0%
86.4%	29	29	0	0.0%
87.7%	29	29	0	0.0%
88.9%	29	29	0	-0.2%
90.1%	29	29	0	0.0%
91.4%	29	29	0	-0.2%
92.6%	29	29	0	-0.1%
93.8%	29	29	0	-0.1%
95.1%	29	29	0	-0.1%
96.3%	29	29	0	-0.2%
97.5%	29	29	0	0.6%
98.8%	29	29	0	0.6%
100.0%	29	29	0	0.5%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	32	31	0	-1.4%
1.2%	32	31	0	-0.6%
2.5%	31	31	0	-1.3%
3.7%	31	31	0	-0.6%
4.9%	31	31	0	-0.2%
6.2%	31	31	0	0.0%
7.4%	31	31	0	0.0%
8.6%	31	31	0	0.1%
9.9%	31	31	0	0.0%
11.1%	30	31	0	0.1%
12.3%	30	30	0	-0.3%
13.6%	30	30	0	-0.4%
14.8%	30	30	0	-0.6%
16.0%	30	30	0	0.2%
17.3%	30	30	0	0.1%
18.5%	30	30	0	0.2%
19.8%	30	30	0	0.2%
21.0%	30	30	0	0.1%
22.2%	30	30	0	0.3%
23.5%	30	30	0	0.2%
24.7%	30	30	0	0.1%
25.9%	30	30	0	0.1%
27.2%	30	30	0	0.1%
28.4%	30	30	0	0.0%
29.6%	30	30	0	0.1%
30.9%	30	30	0	0.1%
32.1%	30	30	0	0.2%
33.3%	30	30	0	0.2%
34.6%	30	30	0	0.2%
35.8%	30	30	0	0.3%
37.0%	30	30	0	0.2%
38.3%	30	30	0	0.1%
39.5%	30	30	0	0.1%
40.7%	30	30	0	0.1%
42.0%	30	30	0	-0.1%
43.2%	30	30	0	0.0%
44.4%	30	30	0	0.0%
45.7%	30	30	0	0.1%
46.9%	30	30	0	0.0%
48.1%	30	30	0	0.1%
49.4%	30	30	0	0.1%
50.6%	30	30	0	0.0%
51.9%	30	30	0	-0.2%
53.1%	30	29	0	-0.4%
54.3%	30	29	0	-0.4%
55.6%	30	29	0	-0.3%
56.8%	30	29	0	-0.3%
58.0%	30	29	0	-0.4%
59.3%	30	29	0	-0.3%
60.5%	30	29	0	-0.4%
61.7%	29	29	0	-0.3%
63.0%	29	29	0	-0.2%
64.2%	29	29	0	-0.3%
65.4%	29	29	0	-0.3%
66.7%	29	29	0	-0.2%
67.9%	29	29	0	-0.3%
69.1%	29	29	0	-0.3%
70.4%	29	29	0	-0.3%
71.6%	29	29	0	-0.2%
72.8%	29	29	0	-0.4%
74.1%	29	29	0	-0.3%
75.3%	29	29	0	-0.4%
76.5%	29	29	0	-0.3%
77.8%	29	29	0	-0.3%
79.0%	29	29	0	-0.3%
80.2%	29	29	0	-0.3%
81.5%	29	29	0	-0.2%
82.7%	29	29	0	-0.2%
84.0%	29	29	0	-0.2%
85.2%	29	29	0	-0.2%
86.4%	29	29	0	-0.2%
87.7%	29	29	0	-0.2%
88.9%	29	29	0	-0.1%
90.1%	29	29	0	-0.2%
91.4%	29	29	0	-0.1%
92.6%	29	29	0	-0.2%
93.8%	29	29	0	-0.2%
95.1%	29	29	0	-0.4%
96.3%	29	29	0	-0.3%
97.5%	29	29	0	-0.4%
98.8%	29	29	0	-0.7%
100.0%	28	29	1	2.2%

Table SW-54-b

Sacramento River below Hamilton City, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	31	0	0.2%
1.2%	31	31	0	0.1%
2.5%	31	31	0	0.1%
3.7%	31	31	0	-0.3%
4.9%	31	31	0	-0.3%
6.2%	31	31	0	-0.3%
7.4%	31	31	0	-0.2%
8.6%	31	31	0	-0.3%
9.9%	31	31	0	-0.2%
11.1%	31	31	0	-0.3%
12.3%	31	31	0	-0.1%
13.6%	31	31	0	-0.3%
14.8%	31	31	0	-0.3%
16.0%	31	31	0	-0.3%
17.3%	31	31	0	-0.3%
18.5%	31	31	0	-0.3%
19.8%	31	31	0	-0.3%
21.0%	31	31	0	-0.3%
22.2%	31	31	0	-0.3%
23.5%	31	31	0	-0.3%
24.7%	31	31	0	-0.2%
25.9%	31	31	0	-0.3%
27.2%	31	31	0	-0.2%
28.4%	31	31	0	-0.2%
29.6%	31	31	0	-0.2%
30.9%	31	31	0	-0.1%
32.1%	31	31	0	0.0%
33.3%	31	31	0	0.1%
34.6%	31	31	0	0.1%
35.8%	31	31	0	0.2%
37.0%	30	31	0	0.1%
38.3%	30	30	0	0.0%
39.5%	30	30	0	0.0%
40.7%	30	30	0	0.0%
42.0%	30	30	0	0.1%
43.2%	30	30	0	0.0%
44.4%	30	30	0	-0.1%
45.7%	30	30	0	-0.3%
46.9%	30	30	0	-0.3%
48.1%	30	30	0	-0.3%
49.4%	30	30	0	-0.3%
50.6%	30	30	0	-0.3%
51.9%	30	30	0	-0.6%
53.1%	30	30	0	-0.5%
54.3%	30	30	0	-0.5%
55.6%	30	30	0	-0.4%
56.8%	30	30	0	-0.4%
58.0%	30	30	0	-0.2%
59.3%	30	30	0	-0.1%
60.5%	30	30	0	-0.1%
61.7%	30	30	0	-0.1%
63.0%	30	30	0	-0.1%
64.2%	30	30	0	-0.1%
65.4%	30	30	0	-0.1%
66.7%	30	30	0	-0.1%
67.9%	30	30	0	0.0%
69.1%	30	30	0	0.0%
70.4%	30	30	0	0.1%
71.6%	30	30	0	0.1%
72.8%	30	30	0	0.0%
74.1%	30	30	0	-0.1%
75.3%	30	30	0	-0.1%
76.5%	30	30	0	-0.1%
77.8%	30	30	0	-0.1%
79.0%	30	30	0	-0.1%
80.2%	30	30	0	0.0%
81.5%	30	30	0	0.0%
82.7%	30	30	0	0.0%
84.0%	30	30	0	0.2%
85.2%	30	30	0	0.3%
86.4%	30	30	0	0.3%
87.7%	30	30	0	0.3%
88.9%	30	30	0	0.3%
90.1%	30	30	0	0.2%
91.4%	30	30	0	0.1%
92.6%	30	30	0	0.2%
93.8%	29	29	0	-0.2%
95.1%	29	29	0	-0.2%
96.3%	29	29	0	-0.7%
97.5%	29	29	0	-0.6%
98.8%	29	29	0	-0.8%
100.0%	29	29	0	-0.2%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	32	1	3.6%
1.2%	31	32	1	3.7%
2.5%	31	32	1	3.6%
3.7%	31	32	1	3.6%
4.9%	31	32	1	3.5%
6.2%	31	32	1	3.6%
7.4%	31	32	1	3.3%
8.6%	31	32	1	3.0%
9.9%	31	31	0	1.1%
11.1%	31	31	0	0.9%
12.3%	31	31	0	0.9%
13.6%	31	31	0	0.8%
14.8%	31	31	0	0.8%
16.0%	31	31	0	0.7%
17.3%	31	31	0	0.7%
18.5%	31	31	0	0.6%
19.8%	31	31	0	0.4%
21.0%	31	31	0	0.4%
22.2%	31	31	0	0.4%
23.5%	31	31	0	0.4%
24.7%	31	31	0	0.4%
25.9%	31	31	0	0.4%
27.2%	31	31	0	0.4%
28.4%	31	31	0	0.3%
29.6%	31	31	0	0.3%
30.9%	31	31	0	0.3%
32.1%	31	31	0	0.3%
33.3%	31	31	0	0.3%
34.6%	31	31	0	0.3%
35.8%	31	31	0	0.3%
37.0%	31	31	0	0.2%
38.3%	31	31	0	0.2%
39.5%	31	31	0	0.2%
40.7%	31	31	0	0.2%
42.0%	31	31	0	0.2%
43.2%	31	31	0	0.2%
44.4%	31	31	0	0.2%
45.7%	31	31	0	0.2%
46.9%	31	31	0	0.2%
48.1%	31	31	0	0.2%
49.4%	31	31	0	0.2%
50.6%	31	31	0	0.2%
51.9%	31	31	0	0.2%
53.1%	31	31	0	0.3%
54.3%	31	31	0	0.3%
55.6%	31	31	0	0.3%
56.8%	31	31	0	0.2%
58.0%	31	31	0	0.2%
59.3%	31	31	0	0.1%
60.5%	31	31	0	0.1%
61.7%	31	31	0	0.2%
63.0%	31	31	0	0.3%
64.2%	31	31	0	0.3%
65.4%	31	31	0	0.3%
66.7%	31	31	0	0.2%
67.9%	31	31	0	0.1%
69.1%	31	31	0	0.0%
70.4%	31	31	0	0.0%
71.6%	31	31	0	0.2%
72.8%	31	31	0	0.2%
74.1%	31	31	0	0.2%
75.3%	31	31	0	0.2%
76.5%	31	31	0	0.2%
77.8%	30	31	0	0.4%
79.0%	30	31	0	0.3%
80.2%	30	30	0	0.2%
81.5%	30	30	0	0.3%
82.7%	30	30	0	0.3%
84.0%	30	30	0	0.3%
85.2%	30	30	0	0.0%
86.4%	30	30	0	0.1%
87.7%	30	30	0	0.2%
88.9%	30	30	0	0.1%
90.1%	30	30	0	0.7%
91.4%	30	30	0	0.5%
92.6%	30	30	0	0.5%
93.8%	30	30	0	1.0%
95.1%	30	30	0	1.2%
96.3%	30	30	0	1.3%
97.5%	30	30	0	1.5%
98.8%	29	30	0	1.2%
100.0%	29	30	0	0.7%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	31	31	0	-0.5%
1.2%	31	31	0	-0.7%
2.5%	31	31	0	-0.1%
3.7%	31	30	0	-0.4%
4.9%	31	30	0	-0.3%
6.2%	30	30	0	-0.3%
7.4%	30	30	0	-0.5%
8.6%	30	30	0	-0.6%
9.9%	30	30	0	-0.7%
11.1%	30	30	0	-0.6%
12.3%	30	30	0	-0.4%
13.6%	30	30	0	-0.3%
14.8%	30	30	0	-0.4%
16.0%	30	30	0	-0.3%
17.3%	30	30	0	-0.4%
18.5%	30	30	0	-0.4%
19.8%	30	30	0	-0.3%
21.0%	30	30	0	-0.3%
22.2%	30	30	0	-0.4%
23.5%	30	30	0	-0.4%
24.7%	30	30	0	-0.4%
25.9%	30	30	0	-0.4%
27.2%	30	30	0	-0.3%
28.4%	30	30	0	-0.3%
29.6%	30	30	0	-0.3%
30.9%	30	30	0	-0.2%
32.1%	30	30	0	-0.3%
33.3%	30	30	0	-0.3%
34.6%	30	30	0	-0.3%
35.8%	30	30	0	-0.3%
37.0%	30	30	0	-0.2%
38.3%	30	30	0	-0.1%
39.5%	30	30	0	0.0%
40.7%	30	30	0	0.0%
42.0%	30	30	0	0.0%
43.2%	30	30	0	0.0%
44.4%	30	30	0	0.1%
45.7%	30	30	0	0.2%
46.9%	30	30	0	0.2%
48.1%	30	30	0	0.3%
49.4%	30	30	0	0.3%
50.6%	30	30	0	0.3%
51.9%	30	30	0	0.3%
53.1%	30	30	0	0.4%
54.3%	30	30	0	0.4%
55.6%	30	30	0	0.4%
56.8%	30	30	0	0.4%
58.0%	30	30	0	0.4%
59.3%	30	30	0	0.5%
60.5%	30	30	0	0.5%
61.7%	30	30	0	0.5%
63.0%	30	30	0	0.6%
64.2%	30	30	0	0.6%
65.4%	30	30	0	0.6%
66.7%	30	30	0	0.6%
67.9%	30	30	0	0.6%
69.1%	30	30	0	0.7%
70.4%	30	30	0	0.6%
71.6%	30	30	0	0.6%
72.8%	30	30	0	0.6%
74.1%	29	30	0	0.7%
75.3%	29	30	0	0.7%
76.5%	29	30	0	0.6%
77.8%	29	30	0	0.6%
79.0%	29	30	0	0.6%
80.2%	29	30	0	0.6%
81.5%	29	30	0	0.6%
82.7%	29	30	0	0.6%
84.0%	29	30	0	0.6%
85.2%	29	30	0	0.7%
86.4%	29	30	0	0.7%
87.7%	29	30	0	0.9%
88.9%	29	30	0	0.8%
90.1%	29	30	0	0.8%
91.4%	29	30	0	0.8%
92.6%	29	30	0	1.0%
93.8%	29	29	0	0.8%
95.1%	29	29	0	0.8%
96.3%	29	29	0	0.8%
97.5%	29	29	0	0.8%
98.8%	29	29	0	1.3%
100.0%	29	29	0	0.3%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	32	32	0	0.4%
1.2%	32	32	0	0.3%
2.5%	32	32	0	0.0%
3.7%	32	32	0	0.1%
4.9%	32	32	0	0.1%
6.2%	32	32	0	0.0%
7.4%	32	32	0	0.1%
8.6%	32	32	0	0.0%
9.9%	32	32	0	0.1%
11.1%	32	32	0	0.1%
12.3%	32	32	0	0.1%
13.6%	32	32	0	0.1%
14.8%	32	32	0	0.0%
16.0%	32	32	0	0.0%
17.3%	32	32	0	-0.1%
18.5%	32	32	0	-0.1%
19.8%	32	32	0	-0.2%
21.0%	32	31	0	-0.5%
22.2%	31	31	0	-0.2%
23.5%	31	31	0	-0.1%
24.7%	31	31	0	-0.3%
25.9%	31	31	0	-0.1%
27.2%	31	31	0	-0.4%
28.4%	31	31	0	-0.5%
29.6%	31	31	0	-0.7%
30.9%	31	31	0	-0.8%
32.1%	31	30	0	-1.5%
33.3%	31	30	0	-1.3%
34.6%	31	30	0	-1.1%
35.8%	30	30	0	-1.5%
37.0%	30	30	-1	-1.7%
38.3%	30	30	-1	-1.8%
39.5%	30	30	0	-0.9%
40.7%	30	30	0	-1.1%
42.0%	30	30	0	-1.3%
43.2%	30	30	0	-1.1%
44.4%	30	30	0	-0.5%
45.7%	30	29	0	-0.4%
46.9%	30	29	0	-0.2%
48.1%	29	29	0	0.0%
49.4%	29	29	0	0.5%
50.6%	29	29	0	0.4%
51.9%	29	29	0	0.6%
53.1%	29	29	0	0.6%
54.3%	29	29	0	0.7%
55.6%	29	29	0	0.9%
56.8%	29	29	0	0.9%
58.0%	29	29	0	0.9%
59.3%	29	29	0	0.9%
60.5%	29	29	0	0.9%
61.7%	29	29	0	1.0%
63.0%	29	29	0	1.1%
64.2%	29	29	0	1.0%
65.4%	29	29	0	1.3%
66.7%	29	29	0	1.3%
67.9%	29	29	0	1.3%
69.1%	29	29	0	1.4%
70.4%	29	29	0	1.5%
71.6%	29	29	0	1.4%
72.8%	29	29	0	1.4%
74.1%	29	29	0	1.5%
75.3%	29	29	0	1.5%
76.5%	29	29	0	1.4%
77.8%	29	29	0	1.3%
79.0%	29	29	0	1.3%
80.2%	29	29	0	1.4%
81.5%	29	29	0	1.4%
82.7%	29	29	0	1.5%
84.0%	29	29	0	1.5%
85.2%	29	29	0	1.5%
86.4%	29	29	0	1.4%
87.7%	29	29	0	1.3%
88.9%	29	29	0	1.3%
90.1%	29	29	0	1.2%
91.4%	29	29	0	1.3%
92.6%	29	29	0	1.3%
93.8%	29	29	0	1.5%
95.1%	29	29	0	1.4%
96.3%	29	29	0	1.4%
97.5%	28	29	0	1.5%
98.8%	28	29	0	1.5%
100.0%	28	29	0	1.3%

Figure SW-56-b
Sacramento River at Wilkins Slough, Monthly Stage
Probability of Exceedance

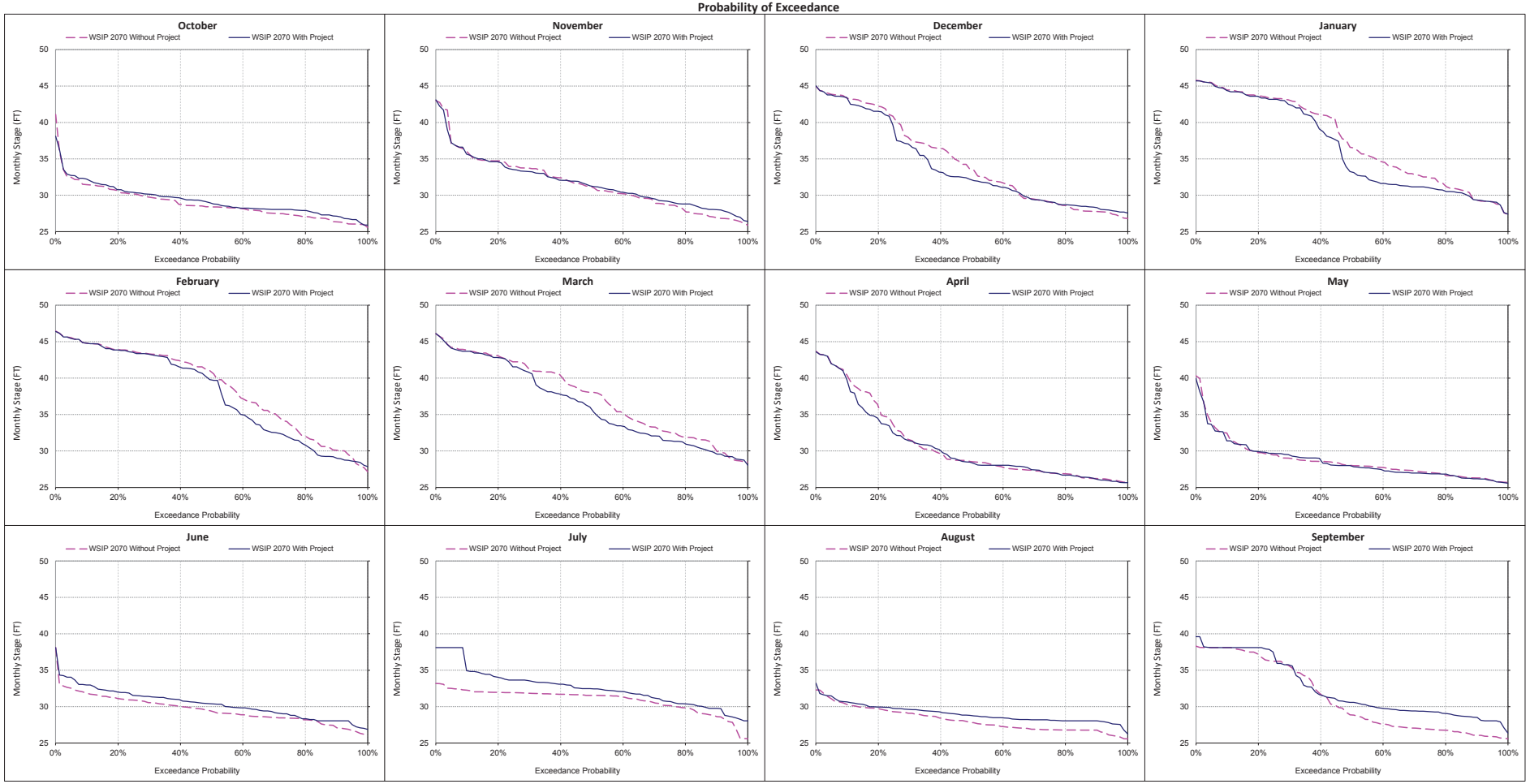


Table SW-56-b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	41	38	-3	-7.3%
1.2%	36	36	0	0.5%
2.5%	34	34	0	0.0%
3.7%	32	33	0	1.2%
4.9%	32	33	0	0.7%
6.2%	32	33	1	1.6%
7.4%	32	32	0	0.7%
8.6%	32	32	1	2.6%
9.9%	31	32	1	2.4%
11.1%	31	32	1	1.8%
12.3%	31	32	0	1.1%
13.6%	31	32	0	1.1%
14.8%	31	31	0	0.8%
16.0%	31	31	0	0.9%
17.3%	31	31	0	1.3%
18.5%	31	31	0	1.4%
19.8%	31	31	0	0.4%
21.0%	30	31	0	1.4%
22.2%	30	30	0	0.6%
23.5%	30	30	0	0.8%
24.7%	30	30	0	0.7%
25.9%	30	30	0	0.6%
27.2%	30	30	0	1.1%
28.4%	30	30	0	1.2%
29.6%	30	30	0	1.3%
30.9%	30	30	0	1.4%
32.1%	30	30	0	1.5%
33.3%	29	30	0	1.4%
34.6%	29	30	0	1.2%
35.8%	29	30	0	1.3%
37.0%	29	30	0	1.4%
38.3%	29	30	0	1.3%
39.5%	29	30	1	3.1%
40.7%	29	30	1	2.7%
42.0%	29	29	1	2.7%
43.2%	29	29	1	2.7%
44.4%	29	29	1	2.7%
45.7%	29	29	1	2.8%
46.9%	29	29	1	2.4%
48.1%	28	29	1	2.5%
49.4%	28	29	1	2.0%
50.6%	28	29	0	1.4%
51.9%	28	29	0	1.3%
53.1%	28	29	0	0.9%
54.3%	28	29	0	0.7%
55.6%	28	28	0	0.7%
56.8%	28	28	0	0.3%
58.0%	28	28	0	0.3%
59.3%	28	28	0	0.2%
60.5%	28	28	0	0.4%
61.7%	28	28	0	0.9%
63.0%	28	28	0	0.9%
64.2%	28	28	0	0.9%
65.4%	28	28	0	0.9%
66.7%	28	28	0	1.7%
67.9%	28	28	1	1.9%
69.1%	28	28	1	1.8%
70.4%	28	28	1	2.0%
71.6%	27	28	1	2.1%
72.8%	27	28	1	2.1%
74.1%	27	28	1	2.5%
75.3%	27	28	1	2.6%
76.5%	27	28	1	2.6%
77.8%	27	28	1	2.8%
79.0%	27	28	1	3.0%
80.2%	27	28	1	3.0%
81.5%	27	28	1	2.7%
82.7%	27	28	1	2.7%
84.0%	27	28	1	2.5%
85.2%	27	27	0	1.7%
86.4%	27	27	0	1.8%
87.7%	27	27	1	2.4%
88.9%	26	27	1	3.0%
90.1%	26	27	1	2.9%
91.4%	26	27	1	2.6%
92.6%	26	27	1	2.2%
93.8%	26	27	1	2.7%
95.1%	26	27	1	2.4%
96.3%	26	27	1	2.4%
97.5%	26	26	0	0.9%
98.8%	26	26	0	-0.3%
100.0%	26	26	0	1.3%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	43	43	0	0.2%
1.2%	43	42	-1	-1.2%
2.5%	42	42	0	-0.4%
3.7%	42	39	-3	-6.5%
4.9%	37	37	0	0.5%
6.2%	37	37	0	0.0%
7.4%	37	37	0	0.0%
8.6%	36	37	0	0.5%
9.9%	36	36	0	-1.0%
11.1%	35	35	0	0.0%
12.3%	35	35	0	0.8%
13.6%	35	35	0	0.3%
14.8%	35	35	0	0.5%
16.0%	35	35	0	0.0%
17.3%	35	35	0	-0.3%
18.5%	35	35	0	-0.3%
19.8%	35	35	0	-0.3%
21.0%	35	34	0	-0.8%
22.2%	35	34	-1	-1.9%
23.5%	34	34	0	-0.9%
24.7%	34	34	0	-1.2%
25.9%	34	33	0	-1.4%
27.2%	34	33	0	-1.3%
28.4%	34	33	0	-1.4%
29.6%	34	33	-1	-1.5%
30.9%	34	33	0	-1.3%
32.1%	34	33	-1	-1.8%
33.3%	33	33	0	-1.4%
34.6%	33	33	0	-1.4%
35.8%	33	33	0	-0.3%
37.0%	33	32	0	-0.4%
38.3%	32	32	0	-0.4%
39.5%	32	32	0	-1.0%
40.7%	32	32	0	-0.9%
42.0%	32	32	0	0.0%
43.2%	32	32	0	0.2%
44.4%	32	32	0	0.9%
45.7%	32	32	0	0.9%
46.9%	31	32	0	0.7%
48.1%	31	31	0	0.7%
49.4%	31	31	0	0.1%
50.6%	31	31	0	0.5%
51.9%	31	31	0	1.6%
53.1%	31	31	0	1.4%
54.3%	31	31	0	1.0%
55.6%	30	31	0	1.0%
56.8%	30	31	0	1.1%
58.0%	30	31	0	1.1%
59.3%	30	30	0	0.7%
60.5%	30	30	0	0.6%
61.7%	30	30	0	0.6%
63.0%	30	30	0	0.9%
64.2%	30	30	0	1.1%
65.4%	30	30	0	0.9%
66.7%	30	30	0	0.6%
67.9%	30	30	0	0.5%
69.1%	29	30	0	0.4%
70.4%	29	29	1	2.1%
71.6%	29	29	0	1.3%
72.8%	29	29	0	1.4%
74.1%	29	29	1	1.9%
75.3%	29	29	0	1.6%
76.5%	29	29	0	1.1%
77.8%	28	29	0	1.5%
79.0%	28	29	1	2.2%
80.2%	28	29	1	4.0%
81.5%	28	29	1	4.0%
82.7%	28	29	1	4.1%
84.0%	27	28	1	3.7%
85.2%	27	28	1	3.0%
86.4%	27	28	1	2.9%
87.7%	27	28	1	3.6%
88.9%	27	28	1	3.8%
90.1%	27	28	1	4.0%
91.4%	27	28	1	4.3%
92.6%	27	28	1	3.7%
93.8%	27	28	1	3.4%
95.1%	27	27	1	2.9%
96.3%	27	27	1	2.2%
97.5%	26	27	1	2.2%
98.8%	26	27	0	1.4%
100.0%	26	26	1	2.0%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	45	45	0	0.2%
1.2%	44	44	0	0.0%
2.5%	44	44	0	-0.2%
3.7%	44	44	0	-0.6%
4.9%	44	44	0	-0.2%
6.2%	44	44	0	-0.4%
7.4%	44	44	0	-0.4%
8.6%	44	44	0	-0.4%
9.9%	43	43	0	0.2%
11.1%	43	42	-1	-1.6%
12.3%	43	42	-1	-1.8%
13.6%	43	42	-1	-1.8%
14.8%	43	42	-1	-1.6%
16.0%	43	42	-1	-1.8%
17.3%	43	42	-1	-1.8%
18.5%	42	42	-1	-2.2%
19.8%	42	42	-1	-1.6%
21.0%	42	41	-1	-1.7%
22.2%	42	41	-1	-2.1%
23.5%	41	41	0	-0.6%
24.7%	41	40	-1	-2.8%
25.9%	40	37	-3	-6.4%
27.2%	40	37	-2	-5.8%
28.4%	38	37	-1	-2.8%
29.6%	38	37	-1	-2.4%
30.9%	37	37	-1	-2.2%
32.1%	37	36	-1	-2.4%
33.3%	37	35	-2	-4.7%
34.6%	37	35	-2	-4.5%
35.8%	37	35	-2	-5.5%
37.0%	37	34	-3	-8.0%
38.3%	37	33	-3	-8.4%
39.5%	36	33	-3	-8.9%
40.7%	36	33	-3	-9.0%
42.0%	36	33	-3	-9.2%
43.2%	35	33	-3	-8.1%
44.4%	35	33	-2	-7.0%
45.7%	35	33	-2	-6.3%
46.9%	34	32	-2	-5.2%
48.1%	34	32	-2	-5.4%
49.4%	34	32	-1	-4.1%
50.6%	33	32	-1	-4.3%
51.9%	33	32	-1	-2.2%
53.1%	32	32	-1	-2.1%
54.3%	32	32	-1	-2.2%
55.6%	32	32	0	-1.2%
56.8%	32	31	-1	-2.1%
58.0%	32	31	-1	-1.9%
59.3%	32	31	-1	-2.1%
60.5%	32	31	-1	-1.7%
61.7%	31	31	0	-1.4%
63.0%	31	31	-1	-2.0%
64.2%	31	31	0	-0.6%
65.4%	30	30	0	0.8%
66.7%	30	30	0	1.0%
67.9%	30	30	0	0.5%
69.1%	30	29	0	-0.3%
70.4%	29	29	0	-0.2%
71.6%	29	29	0	0.2%
72.8%	29	29	0	-0.1%
74.1%	29	29	0	-0.4%
75.3%	29	29	0	0.2%
76.5%	29	29	0	0.4%
77.8%	29	29	0	-0.2%
79.0%	29	29	0	0.2%
80.2%	29	29	0	0.3%
81.5%	28	29	0	1.1%
82.7%	28	29	1	2.1%
84.0%	28	29	1	1.9%
85.2%	28	28	1	2.2%
86.4%	28	28	1	2.3%
87.7%	28	28	1	2.1%
88.9%	28	28	1	2.1%
90.1%	28	28	1	1.9%
91.4%	28	28	0	1.1%
92.6%	28	28	0	1.1%
93.8%	28	28	0	1.0%
95.1%	27	28	0	1.8%
96.3%	27	28	0	1.8%
97.5%	27	28	1	2.3%
98.8%	27	28	1	3.1%
100.0%	27	28	1	2.8%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	-0.2%
1.2%	46	46	0	0.0%
2.5%	46	46	0	0.0%
3.7%	46	45	0	-0.2%
4.9%	45	45	0	-0.2%
6.2%	45	45	0	-0.3%
7.4%	45	45	0	-0.2%
8.6%	45	45	0	-0.2%
9.9%	44	44	0	-0.2%
11.1%	44	44	0	-0.5%
12.3%	44	44	0	-0.4%
13.6%	44	44	0	0.0%
14.8%	44	44	0	-0.2%
16.0%	44	44	0	0.0%
17.3%	44	44	0	-0.4%
18.5%	44	44	0	-0.4%
19.8%	44	44	0	0.0%
21.0%	44	43	0	-0.6%
22.2%	44	43	0	-0.4%
23.5%	43	43	0	-0.4%
24.7%	43	43	0	-0.4%
25.9%	43	43	0	-0.2%
27.2%	43	43	0	-0.6%
28.4%	43	43	0	-0.4%
29.6%	43	42	-1	-1.4%
30.9%	43	42	-1	-1.4%
32.1%	43	42	-1	-2.0%
33.3%	42	42	0	-0.6%
34.6%	42	41	-1	-1.7%
35.8%	42	41	-1	-1.7%
37.0%	41	41	-1	-1.3%
38.3%	41	40	-1	-2.6%
39.5%	41	39	-2	-4.9%
40.7%	41	39	-2	-5.5%
42.0%	41	38	-3	-6.9%
43.2%	41	38	-3	-6.7%
44.4%	41	38	-3	-7.3%
45.7%	39	37	-1	-3.2%
46.9%	38	35	-3	-7.3%
48.1%	38	34	-4	-9.7%
49.4%	37	33	-3	-9.1%
50.6%	37	33	-3	-9.3%
51.9%	36	33	-3	-9.4%
53.1%	36	33	-3	-8.4%
54.3%	36	33	-3	-8.5%
55.6%	35	32	-3	-9.2%
56.8%	35	32	-3	-9.1%
58.0%	35	32	-3	-8.8%
59.3%	35	32	-3	-8.7%
60.5%	35	32	-3	-8.4%
61.7%	34	32	-3	-7.4%
63.0%	34	31	-2	-7.3%
64.2%	34	31	-2	-7.0%
65.4%	34	31	-2	-6.6%
66.7%	33	31	-2	-5.9%
67.9%	33	31	-2	-5.3%
69.1%	33	31	-2	-5.5%
70.4%	33	31	-2	-5.1%
71.6%	33	31	-2	-4.8%
72.8%	33	31	-1	-4.2%
74.1%	33	31	-1	-4.4%
75.3%	32	31	-1	-4.2%
76.5%	32	31	-2	-4.6%
77.8%	32	31	-1	-3.2%
79.0%	32	31	-1	-3.0%
80.2%	31	31	-1	-2.1%
81.5%	31	31	0	-1.4%
82.7%	31	30	0	-1.5%
84.0%	31	30	0	-1.5%
85.2%	31	30	0	-1.1%
86.4%	31	30	0	-1.6%
87.7%	30	30	0	-1.6%
88.9%	29	29	0	0.1%
90.1%	29	29	0	0.0%
91.4%	29	29	0	0.4%
92.6%	29	29	0	0.0%
93.8%	29	29	0	0.0%
95.1%	29	29	0	0.0%
96.3%	29	29	0	0.8%
97.5%	29	29	0	-0.2%
98.8%	28	28	0	0.2%
100.0%	27	27	0	0.2%

Table SW-56-b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	-0.2%
1.2%	46	46	0	0.0%
2.5%	46	46	0	-0.1%
3.7%	46	46	0	0.0%
4.9%	46	45	0	-0.3%
6.2%	45	45	0	0.0%
7.4%	45	45	0	0.0%
8.6%	45	45	0	0.0%
9.9%	45	45	0	0.0%
11.1%	45	45	0	-0.2%
12.3%	45	45	0	0.0%
13.6%	45	45	0	0.0%
14.8%	45	44	0	-0.3%
16.0%	44	44	0	-0.6%
17.3%	44	44	0	-0.2%
18.5%	44	44	0	-0.2%
19.8%	44	44	0	-0.2%
21.0%	44	44	0	-0.2%
22.2%	44	44	0	-0.2%
23.5%	44	44	0	-0.4%
24.7%	44	44	0	-0.4%
25.9%	44	43	0	-0.4%
27.2%	43	43	0	-0.2%
28.4%	43	43	0	-0.2%
29.6%	43	43	0	-0.2%
30.9%	43	43	0	-0.2%
32.1%	43	43	0	-0.4%
33.3%	43	43	0	-0.4%
34.6%	43	43	0	-0.4%
35.8%	43	43	0	-0.6%
37.0%	43	42	-1	-1.8%
38.3%	42	42	-1	-1.6%
39.5%	42	42	-1	-2.1%
40.7%	42	41	-1	-2.0%
42.0%	42	41	-1	-1.9%
43.2%	42	41	-1	-1.7%
44.4%	42	41	0	-1.0%
45.7%	42	41	-1	-1.7%
46.9%	42	41	-1	-2.1%
48.1%	41	40	-1	-2.4%
49.4%	41	40	-1	-3.0%
50.6%	41	40	-1	-2.2%
51.9%	40	40	0	-0.2%
53.1%	40	38	-2	-4.8%
54.3%	39	36	-3	-7.5%
55.6%	39	36	-3	-7.1%
56.8%	39	36	-3	-6.8%
58.0%	38	36	-2	-6.2%
59.3%	37	35	-2	-6.2%
60.5%	37	35	-2	-5.8%
61.7%	37	35	-2	-6.1%
63.0%	37	34	-2	-6.7%
64.2%	37	34	-3	-8.0%
65.4%	36	34	-2	-6.7%
66.7%	36	33	-3	-7.5%
67.9%	36	33	-3	-7.9%
69.1%	35	33	-3	-7.3%
70.4%	35	33	-3	-7.3%
71.6%	35	32	-2	-6.3%
72.8%	34	32	-2	-5.4%
74.1%	34	32	-2	-6.0%
75.3%	34	32	-2	-5.4%
76.5%	33	31	-2	-5.4%
77.8%	33	31	-1	-3.7%
79.0%	32	31	-1	-3.2%
80.2%	32	31	-1	-3.8%
81.5%	32	30	-1	-4.0%
82.7%	32	30	-2	-4.8%
84.0%	31	29	-2	-5.4%
85.2%	31	29	-1	-4.3%
86.4%	31	29	-1	-4.4%
87.7%	30	29	-1	-4.1%
88.9%	30	29	-1	-3.1%
90.1%	30	29	-1	-3.7%
91.4%	30	29	-1	-3.7%
92.6%	30	29	-1	-4.1%
93.8%	29	29	-1	-2.6%
95.1%	29	29	0	-1.7%
96.3%	28	29	0	0.9%
97.5%	28	28	0	1.8%
98.8%	28	28	0	1.2%
100.0%	27	28	1	2.6%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	46	46	0	0.0%
1.2%	46	46	0	0.0%
2.5%	45	45	0	-0.5%
3.7%	45	45	0	0.0%
4.9%	44	44	0	-0.2%
6.2%	44	44	0	-0.6%
7.4%	44	44	0	-0.4%
8.6%	44	44	0	-0.6%
9.9%	44	44	0	-0.4%
11.1%	44	44	0	0.0%
12.3%	44	43	0	-0.4%
13.6%	43	43	0	0.0%
14.8%	43	43	0	-0.2%
16.0%	43	43	0	-0.6%
17.3%	43	43	0	-0.2%
18.5%	43	43	0	-0.6%
19.8%	43	43	0	-0.6%
21.0%	43	43	0	-0.2%
22.2%	43	43	0	0.0%
23.5%	42	42	0	-0.6%
24.7%	42	42	-1	-1.6%
25.9%	42	42	-1	-1.6%
27.2%	42	41	-1	-2.3%
28.4%	42	41	-1	-2.3%
29.6%	41	41	-1	-1.3%
30.9%	41	41	0	-1.1%
32.1%	41	39	-2	-4.5%
33.3%	41	39	-2	-5.6%
34.6%	41	38	-2	-6.0%
35.8%	41	38	-3	-6.7%
37.0%	41	38	-3	-6.7%
38.3%	41	38	-3	-6.7%
39.5%	41	38	-3	-6.7%
40.7%	40	38	-2	-5.7%
42.0%	39	38	-2	-4.3%
43.2%	39	37	-2	-4.5%
44.4%	39	37	-2	-4.4%
45.7%	39	37	-2	-4.6%
46.9%	38	37	-2	-4.0%
48.1%	38	36	-2	-4.7%
49.4%	38	36	-2	-5.3%
50.6%	38	35	-3	-7.2%
51.9%	38	35	-3	-8.3%
53.1%	38	34	-3	-8.9%
54.3%	37	34	-3	-7.3%
55.6%	36	34	-3	-7.3%
56.8%	36	34	-2	-6.6%
58.0%	35	33	-2	-5.5%
59.3%	35	33	-2	-5.5%
60.5%	35	33	-2	-4.7%
61.7%	35	33	-2	-4.9%
63.0%	34	33	-1	-4.4%
64.2%	34	33	-2	-4.4%
65.4%	34	32	-1	-4.4%
66.7%	34	32	-1	-4.0%
67.9%	33	32	-1	-3.2%
69.1%	33	32	-1	-3.7%
70.4%	33	32	-1	-3.6%
71.6%	33	32	-1	-2.9%
72.8%	33	31	-1	-3.9%
74.1%	33	31	-1	-3.8%
75.3%	33	31	-1	-3.5%
76.5%	33	31	-1	-3.6%
77.8%	32	31	-1	-2.6%
79.0%	32	31	-1	-2.2%
80.2%	32	31	-1	-3.0%
81.5%	32	31	-1	-3.2%
82.7%	32	31	-1	-3.5%
84.0%	32	31	-1	-3.3%
85.2%	32	30	-1	-3.8%
86.4%	32	30	-1	-4.3%
87.7%	31	30	-1	-4.2%
88.9%	31	30	-1	-2.6%
90.1%	30	30	0	-1.2%
91.4%	30	30	0	-0.8%
92.6%	30	29	0	-1.4%
93.8%	29	29	0	0.3%
95.1%	29	29	0	1.3%
96.3%	29	29	0	0.7%
97.5%	29	29	0	0.7%
98.8%	29	29	0	0.8%
100.0%	28	28	0	-1.5%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	44	44	0	-0.2%
1.2%	43	43	0	0.0%
2.5%	43	43	0	0.0%
3.7%	43	43	0	-0.2%
4.9%	42	42	0	0.0%
6.2%	42	42	0	-0.2%
7.4%	41	41	0	0.0%
8.6%	41	41	0	-0.4%
9.9%	40	40	-1	-1.7%
11.1%	40	38	-1	-3.6%
12.3%	39	38	-1	-2.5%
13.6%	39	36	-2	-5.6%
14.8%	38	36	-2	-5.7%
16.0%	38	35	-3	-7.4%
17.3%	38	35	-3	-8.0%
18.5%	37	35	-2	-5.8%
19.8%	36	35	-2	-5.2%
21.0%	35	34	-1	-3.3%
22.2%	35	34	-1	-3.1%
23.5%	35	33	-1	-3.4%
24.7%	34	32	-1	-3.5%
25.9%	33	32	-1	-2.1%
27.2%	33	32	-1	-1.7%
28.4%	32	32	0	-1.0%
29.6%	32	31	0	-0.5%
30.9%	31	31	0	-0.3%
32.1%	31	31	0	0.7%
33.3%	31	31	0	1.0%
34.6%	30	31	1	2.0%
35.8%	30	31	1	1.8%
37.0%	30	31	0	1.5%
38.3%	30	30	0	1.5%
39.5%	30	30	1	1.7%
40.7%	29	30	0	0.8%
42.0%	29	30	1	2.3%
43.2%	29	29	0	0.7%
44.4%	29	29	0	0.8%
45.7%	29	29	0	0.1%
46.9%	29	29	0	-0.5%
48.1%	29	28	0	-0.7%
49.4%	29	28	0	-0.3%
50.6%	28	28	0	-0.7%
51.9%	28	28	0	-1.4%
53.1%	28	28	0	-1.3%
54.3%	28	28	0	-1.1%
55.6%	28	28	0	-0.6%
56.8%	28	28	0	-0.1%
58.0%	28	28	0	0.4%
59.3%	28	28	0	0.7%
60.5%	28	28	0	1.3%
61.7%	28	28	0	1.7%
63.0%	28	28	0	1.6%
64.2%	27	28	0	1.5%
65.4%	27	28	0	1.5%
66.7%	27	28	0	1.5%
67.9%	27	28	0	1.2%
69.1%	27	27	0	0.3%
70.4%	27	27	0	0.4%
71.6%	27	27	0	0.4%
72.8%	27	27	0	-0.1%
74.1%	27	27	0	-0.1%
75.3%	27	27	0	0.2%
76.5%	27	27	0	0.2%
77.8%	27	27	0	-0.2%
79.0%	27	27	0	-0.8%
80.2%	27	27	0	-0.7%
81.5%	27	27	0	-0.5%
82.7%	27	27	0	-0.6%
84.0%	27	27	0	-0.2%
85.2%	26	26	0	0.3%
86.4%	26	26	0	0.5%
87.7%	26	26	0	0.4%
88.9%	26	26	0	0.1%
90.1%	26	26	0	-0.4%
91.4%	26	26	0	-0.7%
92.6%	26	26	0	-0.7%
93.8%	26	26	0	-0.6%
95.1%	26	26	0	-0.5%
96.3%	26	26	0	-0.5%
97.5%	26	26	0	-0.5%
98.8%	26	26	0	-0.2%
100.0%	26	26	0	-0.3%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	40	40	0	-0.9%
1.2%	40	38	-2	-4.6%
2.5%	37	37	0	0.2%
3.7%	35	34	-1	-3.3%
4.9%	34	34	0	-0.6%
6.2%	33	33	0	-1.3%
7.4%	33	33	0	-0.1%
8.6%	33	33	0	0.4%
9.9%	32	31	-1	-3.3%
11.1%	31	31	0	-0.1%
12.3%	31	31	0	-0.8%
13.6%	31	31	0	0.0%
14.8%	31	31	0	0.6%
16.0%	30	31	1	1.8%
17.3%	30	30	0	0.1%
18.5%	30	30	0	0.0%
19.8%	30	30	0	0.5%
21.0%	30	30	0	0.3%
22.2%	30	30	0	0.6%
23.5%	30	30	0	0.3%
24.7%	29	30	0	0.7%
25.9%	29	30	0	0.6%
27.2%	29	30	1	2.0%
28.4%	29	30	1	1.8%
29.6%	29	29	0	1.7%
30.9%	29	29	0	1.2%
32.1%	29	29	0	1.2%
33.3%	29	29	0	1.3%
34.6%	29	29	0	1.2%
35.8%	29	29	0	1.3%
37.0%	29	29	0	1.6%
38.3%	29	29	0	1.6%
39.5%	29	29	0	1.5%
40.7%	29	28	0	-0.9%
42.0%	29	28	0	-0.8%
43.2%	28	28	0	-1.5%
44.4%	28	28	0	-1.2%
45.7%	28	28	0	-1.2%
46.9%	28	28	0	-0.5%
48.1%	28	28	0	-0.2%
49.4%	28	28	0	-0.1%
50.6%	28	28	0	-0.6%
51.9%	28	28	0	-0.7%
53.1%	28	28	0	-0.9%
54.3%	28	28	0	-0.8%
55.6%	28	28	0	-0.9%
56.8%	28	28	0	-1.0%
58.0%	28	28	0	-0.8%
59.3%	28	27	0	-1.0%
60.5%	28	27	0	-1.6%
61.7%	28	27	0	-1.2%
63.0%	27	27	0	-1.3%
64.2%	27	27	0	-1.4%
65.4%	27	27	0	-1.1%
66.7%	27	27	0	-1.2%
67.9%	27	27	0	-1.2%
69.1%	27	27	0	-1.3%
70.4%	27	27	0	-1.1%
71.6%	27	27	0	-0.8%
72.8%	27	27	0	-0.6%
74.1%	27	27	0	-0.7%
75.3%	27	27	0	-0.6%
76.5%	27	27	0	-0.4%
77.8%	27	27	0	-0.3%
79.0%	27	27	0	-0.3%
80.2%	27	27	0	0.7%
81.5%	27	27	0	0.1%
82.7%	27	27	0	0.0%
84.0%	27	26	0	-0.3%
85.2%	26	26	0	-0.6%
86.4%	26	26	0	-0.5%
87.7%	26	26	0	-0.3%
88.9%	26	26	0	-0.4%
90.1%	26	26	0	-0.5%
91.4%	26	26	0	-0.6%
92.6%	26	26	0	-0.4%
93.8%	26	26	0	-0.3%
95.1%	26	26	0	0.1%
96.3%	26	26	0	-0.1%
97.5%	26	26	0	-0.2%
98.8%	26	26	0	-0.2%
100.0%	26	26	0	-0.3%

Table SW-56-b

Sacramento River at Wilkins Slough, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	38	0	0.0%
1.2%	33	34	1	3.9%
2.5%	33	34	1	4.3%
3.7%	33	34	1	4.3%
4.9%	33	34	2	4.7%
6.2%	32	34	1	4.3%
7.4%	32	33	1	2.8%
8.6%	32	33	1	3.1%
9.9%	32	33	1	3.6%
11.1%	32	33	1	4.0%
12.3%	32	33	1	3.5%
13.6%	32	32	1	2.6%
14.8%	31	32	1	3.0%
16.0%	31	32	1	2.8%
17.3%	31	32	1	2.8%
18.5%	31	32	1	2.7%
19.8%	31	32	1	2.8%
21.0%	31	32	1	2.9%
22.2%	31	32	1	3.0%
23.5%	31	32	1	3.1%
24.7%	31	32	1	2.0%
25.9%	31	31	1	2.0%
27.2%	31	31	1	2.2%
28.4%	31	31	1	2.2%
29.6%	31	31	1	2.7%
30.9%	31	31	1	2.7%
32.1%	30	31	1	2.7%
33.3%	30	31	1	2.9%
34.6%	30	31	1	3.0%
35.8%	30	31	1	2.8%
37.0%	30	31	1	2.9%
38.3%	30	31	1	3.0%
39.5%	30	31	1	3.0%
40.7%	30	31	1	2.6%
42.0%	30	31	1	2.6%
43.2%	30	31	1	2.7%
44.4%	30	31	1	2.8%
45.7%	30	31	1	2.8%
46.9%	30	30	1	2.7%
48.1%	30	30	1	3.0%
49.4%	29	30	1	3.2%
50.6%	29	30	1	3.7%
51.9%	29	30	1	4.2%
53.1%	29	30	1	4.2%
54.3%	29	30	1	3.1%
55.6%	29	30	1	3.3%
56.8%	29	30	1	3.0%
58.0%	29	30	1	3.1%
59.3%	29	30	1	3.3%
60.5%	29	30	1	3.3%
61.7%	29	30	1	3.6%
63.0%	29	30	1	3.4%
64.2%	29	30	1	3.4%
65.4%	29	29	1	3.0%
66.7%	29	29	1	2.8%
67.9%	29	29	1	2.9%
69.1%	29	29	1	2.8%
70.4%	29	29	1	2.3%
71.6%	28	29	1	2.2%
72.8%	28	29	1	2.0%
74.1%	28	29	1	2.0%
75.3%	28	29	0	1.4%
76.5%	28	29	0	1.4%
77.8%	28	29	0	0.8%
79.0%	28	28	0	0.5%
80.2%	28	28	0	0.5%
81.5%	28	28	0	0.3%
82.7%	28	28	0	0.5%
84.0%	28	28	0	0.3%
85.2%	28	28	0	1.6%
86.4%	28	28	1	2.0%
87.7%	27	28	1	2.2%
88.9%	27	28	1	2.3%
90.1%	27	28	1	3.6%
91.4%	27	28	1	3.8%
92.6%	27	28	1	4.1%
93.8%	27	28	1	4.3%
95.1%	27	28	1	3.0%
96.3%	27	27	1	2.5%
97.5%	26	27	1	2.9%
98.8%	26	27	1	3.1%
100.0%	26	27	1	2.8%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	33	38	5	14.9%
1.2%	33	38	5	15.0%
2.5%	33	38	5	15.3%
3.7%	33	38	6	17.2%
4.9%	32	38	6	17.3%
6.2%	32	38	6	17.5%
7.4%	32	38	6	17.6%
8.6%	32	38	6	18.0%
9.9%	32	35	3	8.3%
11.1%	32	35	3	8.2%
12.3%	32	35	3	8.7%
13.6%	32	35	3	8.4%
14.8%	32	35	2	7.8%
16.0%	32	34	2	7.6%
17.3%	32	34	2	7.7%
18.5%	32	34	2	6.8%
19.8%	32	34	2	6.5%
21.0%	32	34	2	6.3%
22.2%	32	34	2	5.7%
23.5%	32	34	2	5.4%
24.7%	32	34	2	5.4%
25.9%	32	34	2	5.5%
27.2%	32	34	2	5.5%
28.4%	32	34	2	5.6%
29.6%	32	34	2	5.4%
30.9%	32	33	2	5.1%
32.1%	32	33	2	4.9%
33.3%	32	33	2	4.9%
34.6%	32	33	2	5.0%
35.8%	32	33	2	4.9%
37.0%	32	33	1	4.7%
38.3%	32	33	1	4.5%
39.5%	32	33	1	4.4%
40.7%	32	33	1	4.3%
42.0%	32	33	1	4.0%
43.2%	32	33	1	4.1%
44.4%	32	33	1	3.0%
45.7%	32	33	1	2.8%
46.9%	32	32	1	2.7%
48.1%	32	32	1	2.9%
49.4%	32	32	1	2.9%
50.6%	32	32	1	2.9%
51.9%	32	32	1	2.8%
53.1%	32	32	1	2.7%
54.3%	32	32	1	2.3%
55.6%	32	32	1	2.3%
56.8%	31	32	1	2.3%
58.0%	31	32	1	2.1%
59.3%	31	32	1	2.3%
60.5%	31	32	1	2.4%
61.7%	31	32	1	2.5%
63.0%	31	32	1	2.3%
64.2%	31	32	1	2.1%
65.4%	31	32	1	2.6%
66.7%	31	32	1	2.5%
67.9%	31	32	1	2.5%
69.1%	31	31	1	2.0%
70.4%	30	31	1	2.2%
71.6%	30	31	1	2.1%
72.8%	30	31	1	2.0%
74.1%	30	31	1	2.0%
75.3%	30	31	1	1.8%
76.5%	30	31	1	1.7%
77.8%	30	30	0	1.4%
79.0%	30	30	1	1.8%
80.2%	30	30	1	1.8%
81.5%	30	30	1	2.0%
82.7%	30	30	1	2.5%
84.0%	29	30	1	3.2%
85.2%	29	30	1	3.4%
86.4%	29	30	1	3.1%
87.7%	29	30	1	3.1%
88.9%	29	30	1	3.3%
90.1%	29	30	1	4.0%
91.4%	29	30	1	4.0%
92.6%	28	29	1	1.9%
93.8%	28	29	1	2.7%
95.1%	28	29	1	2.6%
96.3%	27	28	2	6.0%
97.5%	26	28	3	10.1%
98.8%	26	28	2	9.5%
100.0%	26	28	2	9.7%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	32	33	1	2.9%
1.2%	32	32	0	-1.5%
2.5%	32	32	0	-0.6%
3.7%	31	32	0	0.3%
4.9%	31	31	0	1.2%
6.2%	31	31	0	1.3%
7.4%	31	31	0	0.3%
8.6%	31	31	0	0.5%
9.9%	30	31	0	1.1%
11.1%	30	31	0	1.4%
12.3%	30	30	0	1.2%
13.6%	30	30	0	1.3%
14.8%	30	30	0	1.5%
16.0%	30	30	0	1.1%
17.3%	30	30	0	0.6%
18.5%	30	30	0	0.6%
19.8%	30	30	0	0.7%
21.0%	30	30	0	1.0%
22.2%	30	30	0	1.4%
23.5%	29	30	0	1.7%
24.7%	29	30	0	1.6%
25.9%	29	30	0	1.5%
27.2%	29	30	0	1.6%
28.4%	29	30	0	1.5%
29.6%	29	30	1	1.8%
30.9%	29	30	0	1.7%
32.1%	29	30	1	2.2%
33.3%	29	30	1	2.1%
34.6%	29	29	1	2.3%
35.8%	29	29	1	2.3%
37.0%	29	29	1	2.4%
38.3%	29	29	1	2.4%
39.5%	28	29	1	3.0%
40.7%	28	29	1	2.9%
42.0%	28	29	1	3.2%
43.2%	28	29	1	3.3%
44.4%	28	29	1	3.2%
45.7%	28	29	1	3.0%
46.9%	28	29	1	2.7%
48.1%	28	29	1	3.0%
49.4%	28	29	1	3.5%
50.6%	28	29	1	3.4%
51.9%	28	29	1	3.8%
53.1%	28	29	1	3.7%
54.3%	28	29	1	4.0%
55.6%	27	29	1	3.8%
56.8%	27	28	1	3.7%
58.0%	27	28	1	3.6%
59.3%	27	28	1	4.3%
60.5%	27	28	1	4.5%
61.7%	27	28	1	4.5%
63.0%	27	28	1	4.3%
64.2%	27	28	1	4.3%
65.4%	27	28	1	4.4%
66.7%	27	28	1	4.4%
67.9%	27	28	1	4.5%
69.1%	27	28	1	4.9%
70.4%	27	28	1	4.9%
71.6%	27	28	1	4.9%
72.8%	27	28	1	5.0%
74.1%	27	28	1	5.0%
75.3%	27	28	1	4.9%
76.5%	27	28	1	4.9%
77.8%	27	28	1	4.9%
79.0%	27	28	1	4.7%
80.2%	27	28	1	4.7%
81.5%	27	28	1	4.7%
82.7%	27	28	1	4.7%
84.0%	27	28	1	4.8%
85.2%	27	28	1	4.8%
86.4%	27	28	1	4.8%
87.7%	27	28	1	4.8%
88.9%	27	28	1	4.8%
90.1%	27	28	1	4.8%
91.4%	27	28	1	5.5%
92.6%	26	28	1	5.5%
93.8%	26	28	2	6.5%
95.1%	26	28	2	6.1%
96.3%	26	28	2	6.3%
97.5%	26	28	2	6.6%
98.8%	26	27	1	4.7%
100.0%	26	26	1	2.6%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	38	40	1	3.4%
1.2%	38	40	1	3.9%
2.5%	38	38	0	0.3%
3.7%	38	38	0	0.0%
4.9%	38	38	0	0.0%
6.2%	38	38	0	0.0%
7.4%	38	38	0	0.0%
8.6%	38	38	0	0.0%
9.9%	38	38	0	0.0%
11.1%	38	38	0	0.0%
12.3%	38	38	0	0.5%
13.6%	38	38	0	0.7%
14.8%	38	38	0	1.0%
16.0%	38	38	1	1.4%
17.3%	37	38	1	1.7%
18.5%	37	38	1	1.7%
19.8%	37	38	1	2.4%
21.0%	37	38	1	3.7%
22.2%	36	38	2	4.2%
23.5%	36	38	2	4.2%
24.7%	36	37	1	3.5%
25.9%	36	36	0	-0.8%
27.2%	36	36	0	-0.8%
28.4%	36	36	0	-0.3%
29.6%	36	36	0	0.2%
30.9%	35	36	0	0.8%
32.1%	35	34	0	-1.4%
33.3%	35	34	-1	-2.0%
34.6%	34	33	-1	-3.9%
35.8%	34	33	-1	-4.1%
37.0%	33	33	-1	-2.3%
38.3%	32	32	0	-1.1%
39.5%	32	32	0	-0.7%
40.7%	31	31	0	0.2%
42.0%	31	31	0	0.2%
43.2%	30	31	1	2.9%
44.4%	30	31	1	2.9%
45.7%	30	31	1	3.1%
46.9%	30	31	1	3.2%
48.1%	29	31	1	4.9%
49.4%	29	31	2	5.9%
50.6%	29	31	2	6.0%
51.9%	29	30	2	6.3%
53.1%	29	30	2	6.2%
54.3%	28	30	2	7.1%
55.6%	28	30	2	6.5%
56.8%	28	30	2	7.7%
58.0%	28	30	2	7.6%
59.3%	28	30	2	7.9%
60.5%	28	30	2	7.6%
61.7%	28	30	2	8.0%
63.0%	27	30	2	8.6%
64.2%	27	30	2	8.6%
65.4%	27	29	2	8.4%
66.7%	27	29	2	8.5%
67.9%	27	29	2	8.7%
69.1%	27	29	2	8.7%
70.4%	27	29	2	8.7%
71.6%	27	29	2	8.7%
72.8%	27	29	2	9.0%
74.1%	27	29	2	9.0%
75.3%	27	29	2	9.0%
76.5%	27	29	2	9.0%
77.8%	27	29	2	9.2%
79.0%	27	29	2	8.6%
80.2%	27	29	2	8.6%
81.5%	27	29	2	8.5%
82.7%	27	29	2	8.6%
84.0%	27	29	2	8.3%
85.2%	26	29	2	8.6%
86.4%	26	29	2	8.5%
87.7%	26	29	2	9.0%
88.9%	26	29	2	9.5%
90.1%	26	28	2	9.4%
91.4%	26	28	2	7.9%
92.6%	26	28	2	8.2%
93.8%	26	28	2	8.3%
95.1%	26	28	2	8.3%
96.3%	26	28	2	8.5%
97.5%	26	28	2	8.6%
98.8%	26	27	1	5.5%
100.0%	26	26	1	3.2%

Figure SW-57-b
Feather River near Gridley, Monthly Stage
Probability of Exceedance

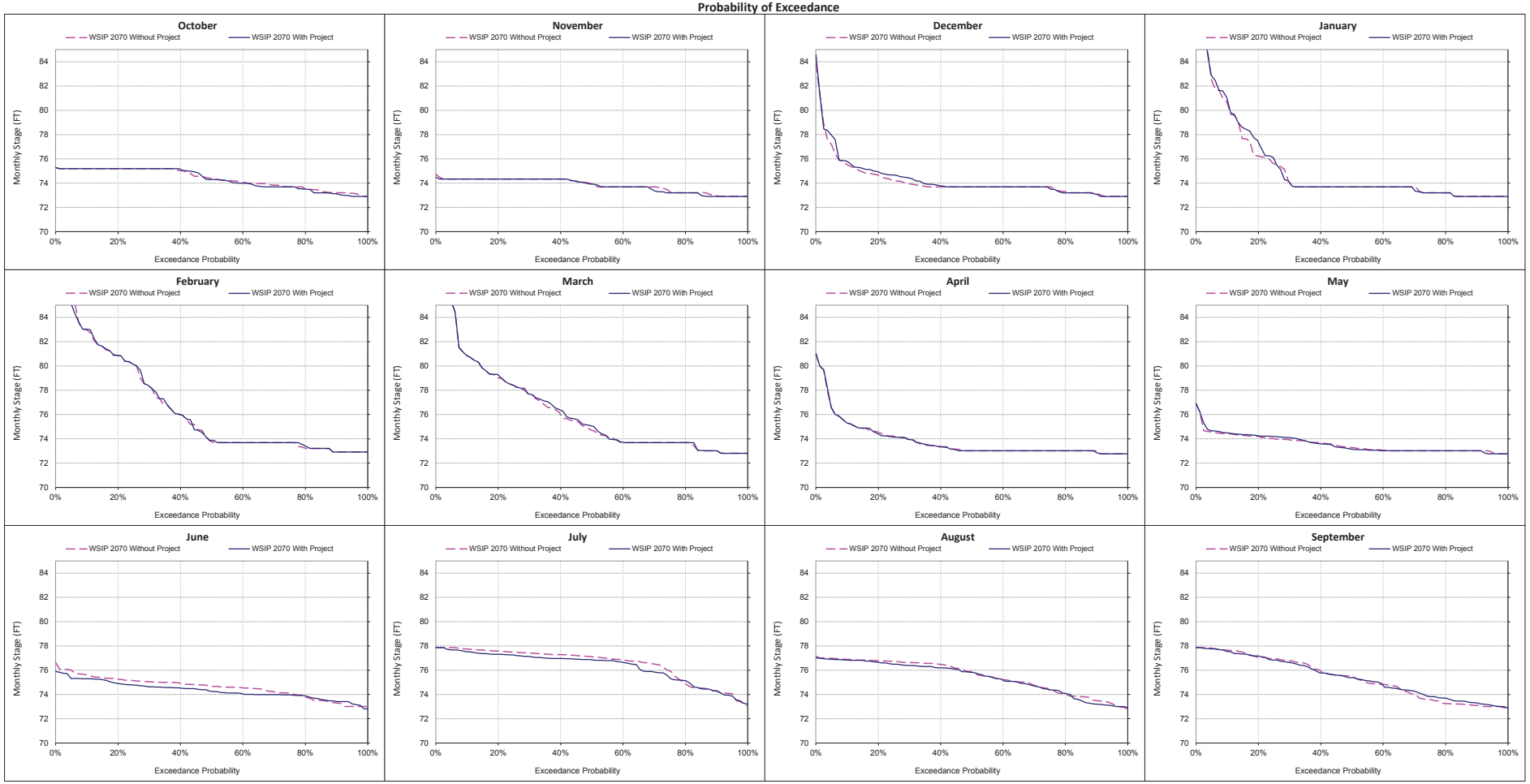


Table SW-57-b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

October				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	75	75	0	0.0%
1.2%	75	75	0	0.0%
2.5%	75	75	0	0.0%
3.7%	75	75	0	0.0%
4.9%	75	75	0	0.0%
6.2%	75	75	0	0.0%
7.4%	75	75	0	0.0%
8.6%	75	75	0	0.0%
9.9%	75	75	0	0.0%
11.1%	75	75	0	0.0%
12.3%	75	75	0	0.0%
13.6%	75	75	0	0.0%
14.8%	75	75	0	0.0%
16.0%	75	75	0	0.0%
17.3%	75	75	0	0.0%
18.5%	75	75	0	0.0%
19.8%	75	75	0	0.0%
21.0%	75	75	0	0.0%
22.2%	75	75	0	0.0%
23.5%	75	75	0	0.0%
24.7%	75	75	0	0.0%
25.9%	75	75	0	0.0%
27.2%	75	75	0	0.0%
28.4%	75	75	0	0.0%
29.6%	75	75	0	0.0%
30.9%	75	75	0	0.0%
32.1%	75	75	0	0.0%
33.3%	75	75	0	0.0%
34.6%	75	75	0	0.0%
35.8%	75	75	0	0.0%
37.0%	75	75	0	0.0%
38.3%	75	75	0	0.0%
39.5%	75	75	0	0.2%
40.7%	75	75	0	0.0%
42.0%	75	75	0	0.1%
43.2%	75	75	0	0.3%
44.4%	75	75	0	0.5%
45.7%	75	75	0	0.4%
46.9%	75	75	0	0.1%
48.1%	74	74	0	-0.2%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	-0.1%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	-0.1%
56.8%	74	74	0	-0.2%
58.0%	74	74	0	-0.2%
59.3%	74	74	0	-0.1%
60.5%	74	74	0	-0.1%
61.7%	74	74	0	0.0%
63.0%	74	74	0	-0.1%
64.2%	74	74	0	-0.3%
65.4%	74	74	0	-0.3%
66.7%	74	74	0	-0.4%
67.9%	74	74	0	-0.3%
69.1%	74	74	0	-0.2%
70.4%	74	74	0	-0.2%
71.6%	74	74	0	-0.2%
72.8%	74	74	0	-0.1%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	74	74	0	-0.2%
79.0%	74	74	0	-0.2%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	-0.4%
84.0%	73	73	0	-0.3%
85.2%	73	73	0	-0.1%
86.4%	73	73	0	-0.1%
87.7%	73	73	0	-0.1%
88.9%	73	73	0	-0.1%
90.1%	73	73	0	-0.1%
91.4%	73	73	0	-0.2%
92.6%	73	73	0	-0.3%
93.8%	73	73	0	-0.2%
95.1%	73	73	0	-0.3%
96.3%	73	73	0	-0.3%
97.5%	73	73	0	-0.1%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

November				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	75	74	0	-0.3%
1.2%	74	74	0	-0.2%
2.5%	74	74	0	0.0%
3.7%	74	74	0	0.0%
4.9%	74	74	0	0.0%
6.2%	74	74	0	0.0%
7.4%	74	74	0	0.0%
8.6%	74	74	0	0.0%
9.9%	74	74	0	0.0%
11.1%	74	74	0	0.0%
12.3%	74	74	0	0.0%
13.6%	74	74	0	0.0%
14.8%	74	74	0	0.0%
16.0%	74	74	0	0.0%
17.3%	74	74	0	0.0%
18.5%	74	74	0	0.0%
19.8%	74	74	0	0.0%
21.0%	74	74	0	0.0%
22.2%	74	74	0	0.0%
23.5%	74	74	0	0.0%
24.7%	74	74	0	0.0%
25.9%	74	74	0	0.0%
27.2%	74	74	0	0.0%
28.4%	74	74	0	0.0%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	-0.1%
46.9%	74	74	0	0.0%
48.1%	74	74	0	-0.1%
49.4%	74	74	0	-0.1%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.2%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	-0.2%
70.4%	74	73	0	-0.5%
71.6%	74	73	0	-0.5%
72.8%	74	73	0	-0.4%
74.1%	73	73	0	-0.4%
75.3%	73	73	0	-0.1%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	-0.3%
86.4%	73	73	0	-0.4%
87.7%	73	73	0	-0.3%
88.9%	73	73	0	-0.1%
90.1%	73	73	0	-0.1%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

December				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	84	85	1	0.9%
1.2%	81	81	0	0.1%
2.5%	79	78	0	-0.6%
3.7%	78	78	1	1.0%
4.9%	77	78	1	1.0%
6.2%	76	78	1	1.5%
7.4%	76	76	0	0.0%
8.6%	76	76	0	0.0%
9.9%	76	76	0	0.4%
11.1%	75	76	0	0.3%
12.3%	75	75	0	0.1%
13.6%	75	75	0	0.3%
14.8%	75	75	0	0.4%
16.0%	75	75	0	0.4%
17.3%	75	75	0	0.4%
18.5%	75	75	0	0.3%
19.8%	75	75	0	0.4%
21.0%	74	75	0	0.4%
22.2%	74	75	0	0.5%
23.5%	74	75	0	0.4%
24.7%	74	75	0	0.7%
25.9%	74	75	0	0.6%
27.2%	74	75	0	0.5%
28.4%	74	74	0	0.6%
29.6%	74	74	0	0.7%
30.9%	74	74	0	0.6%
32.1%	74	74	0	0.4%
33.3%	74	74	0	0.5%
34.6%	74	74	0	0.3%
35.8%	74	74	0	0.3%
37.0%	74	74	0	0.3%
38.3%	74	74	0	0.2%
39.5%	74	74	0	0.1%
40.7%	74	74	0	0.1%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	73	0	-0.3%
76.5%	73	73	0	0.0%
77.8%	73	73	0	-0.1%
79.0%	73	73	0	-0.2%
80.2%	73	73	0	-0.2%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	-0.1%
90.1%	73	73	0	-0.1%
91.4%	73	73	0	-0.1%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

January				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	89	89	0	0.0%
1.2%	89	89	0	-0.1%
2.5%	87	87	0	0.0%
3.7%	85	85	0	-0.4%
4.9%	83	83	0	0.5%
6.2%	82	82	1	0.9%
7.4%	82	82	0	0.0%
8.6%	81	82	1	0.7%
9.9%	81	81	0	0.4%
11.1%	80	80	0	0.2%
12.3%	80	80	0	0.1%
13.6%	79	79	0	-0.1%
14.8%	78	79	1	1.2%
16.0%	78	78	1	1.0%
17.3%	77	78	1	1.1%
18.5%	76	78	1	1.9%
19.8%	76	78	1	1.7%
21.0%	76	77	1	0.9%
22.2%	76	76	0	0.2%
23.5%	76	76	0	0.4%
24.7%	76	76	0	0.6%
25.9%	75	75	0	0.0%
27.2%	75	75	0	-0.3%
28.4%	75	74	-1	-1.1%
29.6%	74	74	0	0.0%
30.9%	74	74	0	0.0%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.0%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	0.0%
38.3%	74	74	0	0.0%
39.5%	74	74	0	0.0%
40.7%	74	74	0	0.0%
42.0%	74	74	0	0.0%
43.2%	74	74	0	0.0%
44.4%	74	74	0	0.0%
45.7%	74	74	0	0.0%
46.9%	74	74	0	0.0%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.0%
50.6%	74	74	0	0.0%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	73	0	-0.5%
71.6%	73	73	0	-0.1%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-57-b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

February				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	89	89	0	0.0%
1.2%	87	87	0	0.4%
2.5%	86	87	1	0.8%
3.7%	86	86	0	0.0%
4.9%	85	85	0	0.0%
6.2%	85	84	-1	-1.0%
7.4%	84	84	0	0.0%
8.6%	83	83	0	0.0%
9.9%	83	83	0	0.1%
11.1%	83	83	0	0.3%
12.3%	82	82	0	0.2%
13.6%	82	82	0	0.0%
14.8%	82	82	0	0.0%
16.0%	81	81	0	0.1%
17.3%	81	81	0	0.0%
18.5%	81	81	0	0.1%
19.8%	81	81	0	0.0%
21.0%	81	81	0	0.0%
22.2%	80	80	0	0.0%
23.5%	80	80	0	0.0%
24.7%	80	80	0	0.0%
25.9%	80	80	0	0.0%
27.2%	79	80	1	0.9%
28.4%	79	79	0	0.0%
29.6%	78	78	0	0.0%
30.9%	78	78	0	0.0%
32.1%	77	78	0	0.5%
33.3%	77	77	0	0.0%
34.6%	77	77	0	0.6%
35.8%	77	77	0	0.0%
37.0%	76	76	0	0.0%
38.3%	76	76	0	0.0%
39.5%	76	76	0	0.0%
40.7%	76	76	0	0.0%
42.0%	76	76	0	0.1%
43.2%	75	76	0	0.5%
44.4%	75	75	0	-0.6%
45.7%	75	75	0	-0.1%
46.9%	75	75	0	-0.2%
48.1%	74	74	0	0.0%
49.4%	74	74	0	0.1%
50.6%	74	74	0	0.2%
51.9%	74	74	0	0.0%
53.1%	74	74	0	0.0%
54.3%	74	74	0	0.0%
55.6%	74	74	0	0.0%
56.8%	74	74	0	0.0%
58.0%	74	74	0	0.0%
59.3%	74	74	0	0.0%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	73	74	0	0.4%
79.0%	73	74	0	0.3%
80.2%	73	73	0	0.2%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

March				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	88	88	0	0.0%
1.2%	87	87	0	0.0%
2.5%	86	86	0	-0.1%
3.7%	86	85	0	-0.2%
4.9%	85	85	0	0.0%
6.2%	84	84	0	0.0%
7.4%	82	82	0	0.0%
8.6%	81	81	0	0.0%
9.9%	81	81	0	0.0%
11.1%	81	81	0	0.0%
12.3%	80	80	0	0.0%
13.6%	80	80	0	0.0%
14.8%	80	80	0	0.0%
16.0%	80	80	0	0.0%
17.3%	79	79	0	0.0%
18.5%	79	79	0	0.0%
19.8%	79	79	0	0.4%
21.0%	79	79	0	0.0%
22.2%	79	79	0	0.0%
23.5%	79	79	0	0.0%
24.7%	78	78	0	0.0%
25.9%	78	78	0	0.0%
27.2%	78	78	0	0.0%
28.4%	78	78	0	-0.2%
29.6%	78	78	0	0.0%
30.9%	78	78	0	-0.1%
32.1%	77	77	0	0.1%
33.3%	77	77	0	0.2%
34.6%	77	77	0	0.4%
35.8%	77	77	0	0.6%
37.0%	77	77	0	0.4%
38.3%	76	77	0	0.2%
39.5%	76	76	0	0.3%
40.7%	76	76	1	0.8%
42.0%	76	76	0	0.2%
43.2%	76	76	0	0.2%
44.4%	75	76	0	0.3%
45.7%	75	76	0	0.2%
46.9%	75	75	0	0.2%
48.1%	75	75	0	0.2%
49.4%	75	75	0	0.4%
50.6%	75	75	0	0.5%
51.9%	74	75	0	0.3%
53.1%	74	74	0	0.2%
54.3%	74	74	0	0.0%
55.6%	74	74	0	-0.2%
56.8%	74	74	0	-0.2%
58.0%	74	74	0	0.1%
59.3%	74	74	0	0.1%
60.5%	74	74	0	0.0%
61.7%	74	74	0	0.0%
63.0%	74	74	0	0.0%
64.2%	74	74	0	0.0%
65.4%	74	74	0	0.0%
66.7%	74	74	0	0.0%
67.9%	74	74	0	0.0%
69.1%	74	74	0	0.0%
70.4%	74	74	0	0.0%
71.6%	74	74	0	0.0%
72.8%	74	74	0	0.0%
74.1%	74	74	0	0.0%
75.3%	74	74	0	0.0%
76.5%	74	74	0	0.0%
77.8%	74	74	0	0.0%
79.0%	74	74	0	0.0%
80.2%	74	74	0	0.0%
81.5%	74	74	0	0.0%
82.7%	73	74	0	0.4%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

April				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	81	81	0	0.0%
1.2%	80	80	0	0.0%
2.5%	80	80	0	0.0%
3.7%	78	78	0	0.4%
4.9%	77	77	0	0.0%
6.2%	76	76	0	0.0%
7.4%	76	76	0	0.0%
8.6%	76	76	0	0.0%
9.9%	75	75	0	0.0%
11.1%	75	75	0	0.0%
12.3%	75	75	0	0.0%
13.6%	75	75	0	0.0%
14.8%	75	75	0	0.0%
16.0%	75	75	0	0.0%
17.3%	75	75	0	0.2%
18.5%	75	75	0	-0.1%
19.8%	75	74	0	-0.2%
21.0%	74	74	0	-0.2%
22.2%	74	74	0	-0.1%
23.5%	74	74	0	-0.1%
24.7%	74	74	0	-0.1%
25.9%	74	74	0	0.0%
27.2%	74	74	0	0.0%
28.4%	74	74	0	0.0%
29.6%	74	74	0	-0.1%
30.9%	74	74	0	-0.1%
32.1%	74	74	0	0.0%
33.3%	74	74	0	0.1%
34.6%	74	74	0	0.0%
35.8%	73	74	0	0.1%
37.0%	73	73	0	0.0%
38.3%	73	73	0	0.0%
39.5%	73	73	0	0.0%
40.7%	73	73	0	0.0%
42.0%	73	73	0	-0.1%
43.2%	73	73	0	0.0%
44.4%	73	73	0	0.0%
45.7%	73	73	0	-0.2%
46.9%	73	73	0	-0.1%
48.1%	73	73	0	0.0%
49.4%	73	73	0	0.0%
50.6%	73	73	0	0.0%
51.9%	73	73	0	0.0%
53.1%	73	73	0	0.0%
54.3%	73	73	0	0.0%
55.6%	73	73	0	0.0%
56.8%	73	73	0	0.0%
58.0%	73	73	0	0.0%
59.3%	73	73	0	0.0%
60.5%	73	73	0	0.0%
61.7%	73	73	0	0.0%
63.0%	73	73	0	0.0%
64.2%	73	73	0	0.0%
65.4%	73	73	0	0.0%
66.7%	73	73	0	0.0%
67.9%	73	73	0	0.0%
69.1%	73	73	0	0.0%
70.4%	73	73	0	0.0%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	-0.2%
91.4%	73	73	0	0.0%
92.6%	73	73	0	0.0%
93.8%	73	73	0	0.0%
95.1%	73	73	0	0.0%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

May				
Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	77	77	0	0.0%
1.2%	76	76	0	0.0%
2.5%	75	75	1	0.8%
3.7%	75	75	0	0.2%
4.9%	75	75	0	0.1%
6.2%	74	75	0	0.2%
7.4%	74	75	0	0.2%
8.6%	74	75	0	0.1%
9.9%	74	74	0	0.1%
11.1%	74	74	0	0.1%
12.3%	74	74	0	0.1%
13.6%	74	74	0	0.1%
14.8%	74	74	0	0.1%
16.0%	74	74	0	0.1%
17.3%	74	74	0	0.1%
18.5%	74	74	0	0.1%
19.8%	74	74	0	0.1%
21.0%	74	74	0	0.1%
22.2%	74	74	0	0.2%
23.5%	74	74	0	0.2%
24.7%	74	74	0	0.2%
25.9%	74	74	0	0.3%
27.2%	74	74	0	0.3%
28.4%	74	74	0	0.2%
29.6%	74	74	0	0.2%
30.9%	74	74	0	0.3%
32.1%	74	74	0	0.2%
33.3%	74	74	0	0.1%
34.6%	74	74	0	0.0%
35.8%	74	74	0	0.0%
37.0%	74	74	0	-0.1%
38.3%	74	74	0	-0.1%
39.5%	74	74	0	-0.1%
40.7%	74	74	0	-0.1%
42.0%	74	74	0	-0.1%
43.2%	74	74	0	0.0%
44.4%	74	73	0	-0.2%
45.7%	73	73	0	-0.2%
46.9%	73	73	0	-0.1%
48.1%	73	73	0	-0.2%
49.4%	73	73	0	-0.2%
50.6%	73	73	0	-0.2%
51.9%	73	73	0	-0.1%
53.1%	73	73	0	-0.1%
54.3%	73	73	0	-0.1%
55.6%	73	73	0	-0.1%
56.8%	73	73	0	-0.1%
58.0%	73	73	0	-0.1%
59.3%	73	73	0	-0.1%
60.5%	73	73	0	-0.1%
61.7%	73	73	0	0.0%
63.0%	73	73	0	0.0%
64.2%	73	73	0	0.0%
65.4%	73	73	0	0.0%
66.7%	73	73	0	0.0%
67.9%	73	73	0	0.0%
69.1%	73	73	0	0.0%
70.4%	73	73	0	0.0%
71.6%	73	73	0	0.0%
72.8%	73	73	0	0.0%
74.1%	73	73	0	0.0%
75.3%	73	73	0	0.0%
76.5%	73	73	0	0.0%
77.8%	73	73	0	0.0%
79.0%	73	73	0	0.0%
80.2%	73	73	0	0.0%
81.5%	73	73	0	0.0%
82.7%	73	73	0	0.0%
84.0%	73	73	0	0.0%
85.2%	73	73	0	0.0%
86.4%	73	73	0	0.0%
87.7%	73	73	0	0.0%
88.9%	73	73	0	0.0%
90.1%	73	73	0	0.0%
91.4%	73	73	0	0.0%
92.6%	73	73	0	-0.2%
93.8%	73	73	0	-0.3%
95.1%	73	73	0	-0.1%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.0%
100.0%	73	73	0	0.0%

Table SW-57-b

Feather River near Gridley, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	77	76	-1	-1.0%
1.2%	76	76	0	-0.4%
2.5%	76	76	0	-0.5%
3.7%	76	76	0	-0.4%
4.9%	76	75	-1	-0.9%
6.2%	76	75	0	-0.6%
7.4%	76	75	0	-0.5%
8.6%	76	75	0	-0.5%
9.9%	76	75	0	-0.4%
11.1%	76	75	0	-0.3%
12.3%	75	75	0	-0.2%
13.6%	75	75	0	-0.2%
14.8%	75	75	0	-0.2%
16.0%	75	75	0	-0.2%
17.3%	75	75	0	-0.4%
18.5%	75	75	0	-0.5%
19.8%	75	75	0	-0.5%
21.0%	75	75	0	-0.5%
22.2%	75	75	0	-0.5%
23.5%	75	75	0	-0.5%
24.7%	75	75	0	-0.5%
25.9%	75	75	0	-0.5%
27.2%	75	75	0	-0.5%
28.4%	75	75	0	-0.5%
29.6%	75	75	0	-0.6%
30.9%	75	75	0	-0.5%
32.1%	75	75	0	-0.5%
33.3%	75	75	0	-0.5%
34.6%	75	75	0	-0.5%
35.8%	75	75	0	-0.6%
37.0%	75	75	0	-0.6%
38.3%	75	75	0	-0.6%
39.5%	75	75	0	-0.6%
40.7%	75	74	0	-0.5%
42.0%	75	74	0	-0.5%
43.2%	75	74	0	-0.5%
44.4%	75	74	0	-0.4%
45.7%	75	74	0	-0.5%
46.9%	75	74	0	-0.5%
48.1%	75	74	0	-0.5%
49.4%	75	74	0	-0.6%
50.6%	75	74	0	-0.6%
51.9%	75	74	0	-0.6%
53.1%	75	74	0	-0.6%
54.3%	75	74	0	-0.6%
55.6%	75	74	0	-0.6%
56.8%	75	74	0	-0.6%
58.0%	75	74	0	-0.6%
59.3%	75	74	0	-0.6%
60.5%	75	74	-1	-0.7%
61.7%	75	74	-1	-0.7%
63.0%	74	74	0	-0.7%
64.2%	74	74	-1	-0.7%
65.4%	74	74	0	-0.6%
66.7%	74	74	0	-0.6%
67.9%	74	74	0	-0.4%
69.1%	74	74	0	-0.4%
70.4%	74	74	0	-0.3%
71.6%	74	74	0	-0.2%
72.8%	74	74	0	-0.2%
74.1%	74	74	0	-0.2%
75.3%	74	74	0	-0.1%
76.5%	74	74	0	-0.1%
77.8%	74	74	0	0.0%
79.0%	74	74	0	0.0%
80.2%	74	74	0	0.1%
81.5%	74	74	0	0.1%
82.7%	74	74	0	0.2%
84.0%	74	74	0	0.2%
85.2%	73	74	0	0.1%
86.4%	73	74	0	0.1%
87.7%	73	73	0	0.1%
88.9%	73	73	0	0.2%
90.1%	73	73	0	0.2%
91.4%	73	73	0	0.2%
92.6%	73	73	0	0.6%
93.8%	73	73	0	0.6%
95.1%	73	73	0	0.3%
96.3%	73	73	0	0.2%
97.5%	73	73	0	0.1%
98.8%	73	73	0	-0.3%
100.0%	73	73	0	-0.3%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	0.0%
1.2%	78	78	0	0.0%
2.5%	78	78	0	0.0%
3.7%	78	78	0	-0.2%
4.9%	78	78	0	-0.2%
6.2%	78	78	0	-0.2%
7.4%	78	78	0	-0.2%
8.6%	78	78	0	-0.2%
9.9%	78	78	0	-0.3%
11.1%	78	77	0	-0.3%
12.3%	78	77	0	-0.3%
13.6%	78	77	0	-0.3%
14.8%	78	77	0	-0.4%
16.0%	78	77	0	-0.3%
17.3%	78	77	0	-0.4%
18.5%	78	77	0	-0.4%
19.8%	78	77	0	-0.3%
21.0%	78	77	0	-0.3%
22.2%	78	77	0	-0.3%
23.5%	78	77	0	-0.3%
24.7%	78	77	0	-0.3%
25.9%	77	77	0	-0.4%
27.2%	77	77	0	-0.4%
28.4%	77	77	0	-0.4%
29.6%	77	77	0	-0.4%
30.9%	77	77	0	-0.4%
32.1%	77	77	0	-0.4%
33.3%	77	77	0	-0.4%
34.6%	77	77	0	-0.4%
35.8%	77	77	0	-0.4%
37.0%	77	77	0	-0.4%
38.3%	77	77	0	-0.4%
39.5%	77	77	0	-0.4%
40.7%	77	77	0	-0.4%
42.0%	77	77	0	-0.4%
43.2%	77	77	0	-0.4%
44.4%	77	77	0	-0.4%
45.7%	77	77	0	-0.4%
46.9%	77	77	0	-0.4%
48.1%	77	77	0	-0.3%
49.4%	77	77	0	-0.3%
50.6%	77	77	0	-0.3%
51.9%	77	77	0	-0.3%
53.1%	77	77	0	-0.3%
54.3%	77	77	0	-0.3%
55.6%	77	77	0	-0.2%
56.8%	77	77	0	-0.2%
58.0%	77	77	0	-0.2%
59.3%	77	77	0	-0.3%
60.5%	77	77	0	-0.3%
61.7%	77	77	0	-0.3%
63.0%	77	76	0	-0.3%
64.2%	77	76	0	-0.3%
65.4%	77	76	-1	-0.9%
66.7%	77	76	-1	-0.9%
67.9%	77	76	-1	-1.0%
69.1%	77	76	-1	-0.9%
70.4%	76	76	-1	-0.9%
71.6%	76	76	-1	-0.8%
72.8%	76	76	0	-0.6%
74.1%	76	76	0	-0.6%
75.3%	76	75	-1	-0.8%
76.5%	76	75	0	-0.4%
77.8%	75	75	0	-0.2%
79.0%	75	75	0	0.2%
80.2%	75	75	0	0.4%
81.5%	75	75	0	0.4%
82.7%	75	75	0	0.1%
84.0%	75	75	0	0.0%
85.2%	75	74	0	-0.1%
86.4%	74	74	0	-0.1%
87.7%	74	74	0	0.1%
88.9%	74	74	0	0.0%
90.1%	74	74	0	0.0%
91.4%	74	74	0	0.0%
92.6%	74	74	0	-0.2%
93.8%	74	74	0	-0.2%
95.1%	74	74	0	-0.3%
96.3%	73	74	0	0.1%
97.5%	73	73	0	0.1%
98.8%	73	73	0	0.1%
100.0%	73	73	0	0.2%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	77	77	0	-0.2%
1.2%	77	77	0	0.0%
2.5%	77	77	0	-0.1%
3.7%	77	77	0	-0.1%
4.9%	77	77	0	-0.1%
6.2%	77	77	0	-0.1%
7.4%	77	77	0	-0.1%
8.6%	77	77	0	-0.1%
9.9%	77	77	0	-0.1%
11.1%	77	77	0	-0.1%
12.3%	77	77	0	0.0%
13.6%	77	77	0	0.0%
14.8%	77	77	0	0.0%
16.0%	77	77	0	-0.1%
17.3%	77	77	0	-0.1%
18.5%	77	77	0	-0.2%
19.8%	77	77	0	-0.1%
21.0%	77	77	0	-0.2%
22.2%	77	77	0	-0.2%
23.5%	77	77	0	-0.3%
24.7%	77	76	0	-0.3%
25.9%	77	76	0	-0.3%
27.2%	77	76	0	-0.3%
28.4%	77	76	0	-0.3%
29.6%	77	76	0	-0.3%
30.9%	77	76	0	-0.3%
32.1%	77	76	0	-0.3%
33.3%	77	76	0	-0.4%
34.6%	77	76	0	-0.3%
35.8%	77	76	0	-0.3%
37.0%	77	76	0	-0.3%
38.3%	77	76	0	-0.4%
39.5%	76	76	0	-0.4%
40.7%	76	76	0	-0.4%
42.0%	76	76	0	-0.3%
43.2%	76	76	0	-0.2%
44.4%	76	76	0	-0.1%
45.7%	76	76	0	-0.1%
46.9%	76	76	0	-0.3%
48.1%	76	76	0	0.0%
49.4%	76	76	0	-0.1%
50.6%	76	76	0	-0.1%
51.9%	76	76	0	0.1%
53.1%	76	76	0	0.1%
54.3%	75	76	0	0.0%
55.6%	75	75	0	0.0%
56.8%	75	75	0	-0.1%
58.0%	75	75	0	0.0%
59.3%	75	75	0	0.1%
60.5%	75	75	0	-0.2%
61.7%	75	75	0	-0.1%
63.0%	75	75	0	0.0%
64.2%	75	75	0	0.0%
65.4%	75	75	0	-0.1%
66.7%	75	75	0	-0.1%
67.9%	75	75	0	-0.2%
69.1%	75	75	0	-0.1%
70.4%	75	75	0	-0.1%
71.6%	75	75	0	-0.1%
72.8%	75	74	0	-0.1%
74.1%	75	74	0	-0.1%
75.3%	74	74	0	0.1%
76.5%	74	74	0	0.1%
77.8%	74	74	0	0.3%
79.0%	74	74	0	0.1%
80.2%	74	74	0	0.1%
81.5%	74	74	0	0.2%
82.7%	74	74	0	-0.3%
84.0%	74	74	0	-0.3%
85.2%	74	73	0	-0.5%
86.4%	74	73	0	-0.6%
87.7%	74	73	0	-0.6%
88.9%	74	73	0	-0.4%
90.1%	73	73	0	-0.4%
91.4%	73	73	0	-0.4%
92.6%	73	73	0	-0.4%
93.8%	73	73	0	-0.3%
95.1%	73	73	0	-0.2%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.1%
100.0%	73	73	0	0.2%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	78	78	0	0.0%
1.2%	78	78	0	0.0%
2.5%	78	78	0	-0.1%
3.7%	78	78	0	-0.1%
4.9%	78	78	0	-0.1%
6.2%	78	78	0	0.0%
7.4%	78	78	0	0.0%
8.6%	78	78	0	0.0%
9.9%	78	78	0	-0.2%
11.1%	78	78	0	-0.1%
12.3%	78	77	0	-0.3%
13.6%	78	77	0	-0.3%
14.8%	77	77	0	-0.2%
16.0%	77	77	0	-0.1%
17.3%	77	77	0	-0.1%
18.5%	77	77	0	0.0%
19.8%	77	77	0	0.2%
21.0%	77	77	0	0.1%
22.2%	77	77	0	0.0%
23.5%	77	77	0	-0.1%
24.7%	77	77	0	-0.1%
25.9%	77	77	0	-0.1%
27.2%	77	77	0	-0.2%
28.4%	77	77	0	-0.1%
29.6%	77	77	0	-0.1%
30.9%	77	77	0	-0.2%
32.1%	77	77	0	-0.2%
33.3%	77	76	0	-0.3%
34.6%	77	76	0	-0.3%
35.8%	76	76	0	-0.3%
37.0%	76	76	0	-0.2%
38.3%	76	76	0	-0.1%
39.5%	76	76	0	-0.3%
40.7%	76	76	0	0.0%
42.0%	76	76	0	0.1%
43.2%	76	76	0	0.0%
44.4%	76	76	0	0.0%
45.7%	76	76	0	0.0%
46.9%	76	76	0	0.0%
48.1%	76	75	0	-0.1%
49.4%	76	75	0	-0.2%
50.6%	75	75	0	0.0%
51.9%	75	75	0	0.0%
53.1%	75	75	0	0.1%
54.3%	75	75	0	0.2%
55.6%	75	75	0	0.3%
56.8%	75	75	0	0.2%
58.0%	75	75	0	0.2%
59.3%	75	75	0	0.1%
60.5%	75	75	0	-0.3%
61.7%	75	75	0	-0.2%
63.0%	75	75	0	-0.2%
64.2%	75	75	0	-0.2%
65.4%	74	74	0	-0.1%
66.7%	74	74	0	0.1%
67.9%	74	74	0	0.2%
69.1%	74	74	0	0.4%
70.4%	74	74	0	0.3%
71.6%	74	74	0	0.6%
72.8%	74	74	0	0.5%
74.1%	74	74	0	0.4%
75.3%	74	74	0	0.3%
76.5%	73	74	0	0.4%
77.8%	73	74	0	0.4%
79.0%	73	74	0	0.6%
80.2%	73	74	0	0.6%
81.5%	73	74	0	0.5%
82.7%	73	73	0	0.4%
84.0%	73	73	0	0.3%
85.2%	73	73	0	0.3%
86.4%	73	73	0	0.4%
87.7%	73	73	0	0.3%
88.9%	73	73	0	0.3%
90.1%	73	73	0	0.3%
91.4%	73	73	0	0.2%
92.6%	73	73	0	0.3%
93.8%	73	73	0	0.2%
95.1%	73	73	0	0.1%
96.3%	73	73	0	0.0%
97.5%	73	73	0	0.0%
98.8%	73	73	0	0.2%
100.0%	73	73	0	0.0%

Figure SW-58-b
American River at Fair Oaks, Monthly Stage
Probability of Exceedance

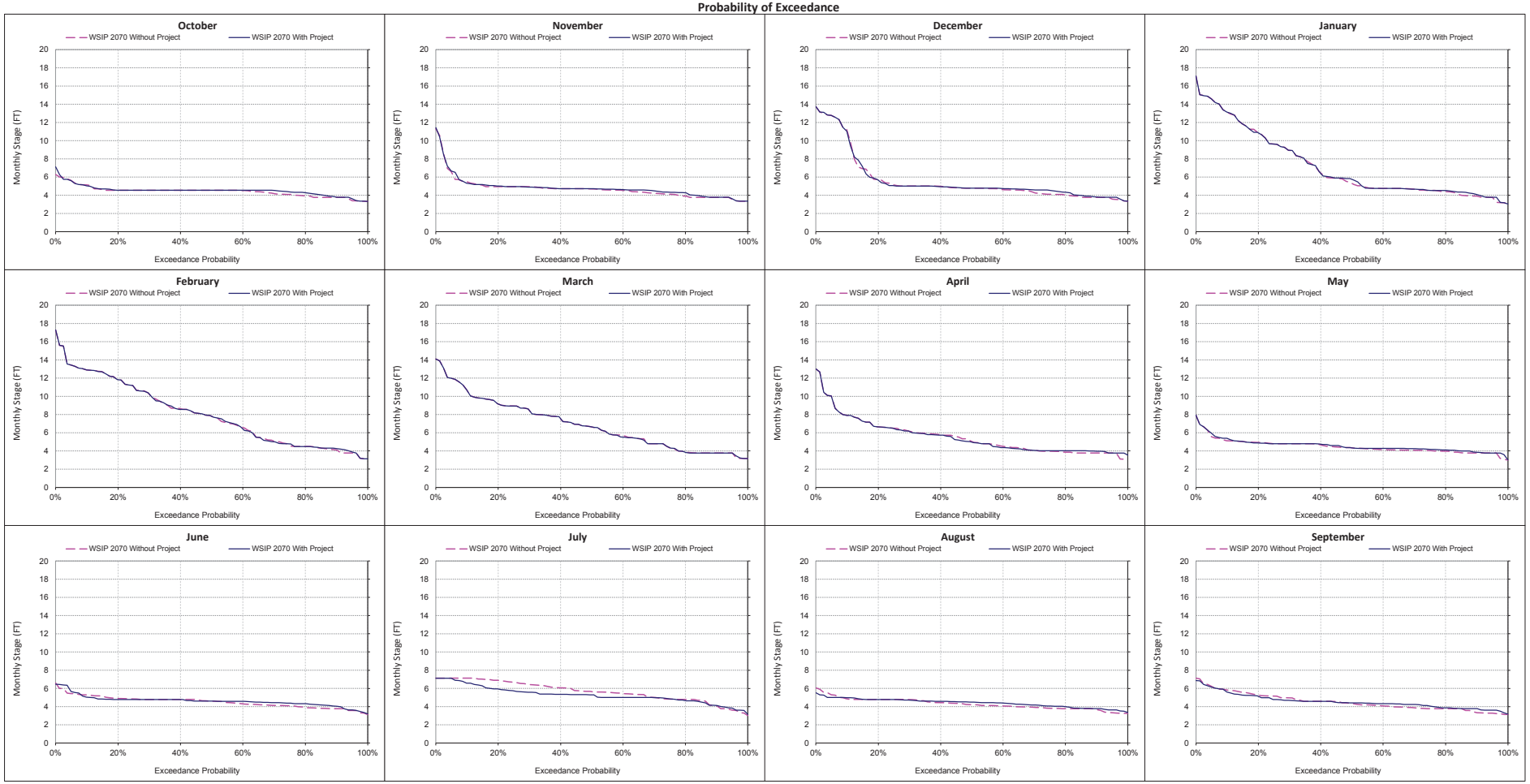


Table SW-58-b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

October

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	7	1	13.5%
1.2%	6	6	0	4.0%
2.5%	6	6	0	-3.3%
3.7%	6	6	0	-1.1%
4.9%	6	6	0	-0.5%
6.2%	5	5	0	-0.9%
7.4%	5	5	0	-0.1%
8.6%	5	5	0	-0.2%
9.9%	5	5	0	-1.8%
11.1%	5	5	0	-1.8%
12.3%	5	5	0	1.8%
13.6%	5	5	0	0.0%
14.8%	5	5	0	1.5%
16.0%	5	5	0	3.1%
17.3%	5	5	0	2.3%
18.5%	5	5	0	0.5%
19.8%	5	5	0	0.0%
21.0%	5	5	0	0.0%
22.2%	5	5	0	0.0%
23.5%	5	5	0	0.0%
24.7%	5	5	0	0.0%
25.9%	5	5	0	0.0%
27.2%	5	5	0	0.0%
28.4%	5	5	0	0.0%
29.6%	5	5	0	0.0%
30.9%	5	5	0	0.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	5	0	0.0%
58.0%	5	5	0	0.0%
59.3%	5	5	0	0.5%
60.5%	5	5	0	0.7%
61.7%	4	5	0	1.3%
63.0%	4	5	0	3.5%
64.2%	4	5	0	3.6%
65.4%	4	5	0	3.7%
66.7%	4	5	0	4.9%
67.9%	4	5	0	6.4%
69.1%	4	5	0	7.1%
70.4%	4	5	0	8.8%
71.6%	4	4	0	8.3%
72.8%	4	4	0	8.1%
74.1%	4	4	0	7.4%
75.3%	4	4	0	6.6%
76.5%	4	4	0	8.2%
77.8%	4	4	0	8.4%
79.0%	4	4	0	8.9%
80.2%	4	4	0	8.7%
81.5%	4	4	0	7.7%
82.7%	4	4	0	10.2%
84.0%	4	4	0	8.9%
85.2%	4	4	0	7.4%
86.4%	4	4	0	5.8%
87.7%	4	4	0	3.5%
88.9%	4	4	0	2.5%
90.1%	4	4	0	0.0%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	4.4%
95.1%	3	4	0	6.1%
96.3%	3	3	0	0.5%
97.5%	3	3	0	0.4%
98.8%	3	3	0	0.0%
100.0%	3	3	0	0.1%

November

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	11	11	0	0.9%
1.2%	11	10	0	-1.1%
2.5%	9	9	0	-0.3%
3.7%	7	7	0	3.7%
4.9%	7	7	0	1.2%
6.2%	6	7	1	13.3%
7.4%	6	6	0	-0.1%
8.6%	6	6	0	0.5%
9.9%	5	5	0	-3.1%
11.1%	5	5	0	-1.6%
12.3%	5	5	0	-1.5%
13.6%	5	5	0	0.0%
14.8%	5	5	0	1.1%
16.0%	5	5	0	3.5%
17.3%	5	5	0	2.6%
18.5%	5	5	0	2.3%
19.8%	5	5	0	1.3%
21.0%	5	5	0	1.2%
22.2%	5	5	0	0.0%
23.5%	5	5	0	0.0%
24.7%	5	5	0	0.0%
25.9%	5	5	0	0.0%
27.2%	5	5	0	0.0%
28.4%	5	5	0	-0.4%
29.6%	5	5	0	-0.9%
30.9%	5	5	0	-0.7%
32.1%	5	5	0	-0.9%
33.3%	5	5	0	0.3%
34.6%	5	5	0	1.4%
35.8%	5	5	0	1.4%
37.0%	5	5	0	0.8%
38.3%	5	5	0	0.8%
39.5%	5	5	0	0.1%
40.7%	5	5	0	0.0%
42.0%	5	5	0	0.0%
43.2%	5	5	0	0.0%
44.4%	5	5	0	0.0%
45.7%	5	5	0	0.0%
46.9%	5	5	0	0.0%
48.1%	5	5	0	0.2%
49.4%	5	5	0	0.6%
50.6%	5	5	0	0.6%
51.9%	5	5	0	0.5%
53.1%	5	5	0	1.6%
54.3%	5	5	0	1.9%
55.6%	5	5	0	2.2%
56.8%	5	5	0	2.0%
58.0%	5	5	0	1.6%
59.3%	5	5	0	1.6%
60.5%	5	5	0	2.1%
61.7%	5	5	0	1.5%
63.0%	4	5	0	4.3%
64.2%	4	5	0	4.4%
65.4%	4	5	0	5.3%
66.7%	4	5	0	5.3%
67.9%	4	5	0	6.7%
69.1%	4	5	0	6.3%
70.4%	4	4	0	5.9%
71.6%	4	4	0	5.0%
72.8%	4	4	0	5.1%
74.1%	4	4	0	6.0%
75.3%	4	4	0	5.5%
76.5%	4	4	0	5.5%
77.8%	4	4	0	7.4%
79.0%	4	4	0	9.3%
80.2%	4	4	0	9.1%
81.5%	4	4	0	7.4%
82.7%	4	4	0	6.4%
84.0%	4	4	0	5.4%
85.2%	4	4	0	3.5%
86.4%	4	4	0	2.2%
87.7%	4	4	0	0.0%
88.9%	4	4	0	0.0%
90.1%	4	4	0	0.0%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	1.5%
96.3%	3	3	0	-0.7%
97.5%	3	3	0	0.0%
98.8%	3	3	0	0.0%
100.0%	3	3	0	0.0%

December

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	14	14	0	0.0%
1.2%	13	13	0	0.0%
2.5%	13	13	0	0.8%
3.7%	13	13	0	0.0%
4.9%	13	13	0	0.0%
6.2%	13	13	0	0.0%
7.4%	12	12	0	0.0%
8.6%	11	11	0	0.0%
9.9%	11	11	0	-1.7%
11.1%	10	9	0	-3.5%
12.3%	8	8	0	3.1%
13.6%	7	8	1	10.7%
14.8%	7	7	0	3.8%
16.0%	7	6	-1	-7.6%
17.3%	6	6	0	-6.2%
18.5%	6	6	0	2.1%
19.8%	6	6	0	0.0%
21.0%	6	5	0	-5.1%
22.2%	5	5	0	-1.3%
23.5%	5	5	0	-4.7%
24.7%	5	5	0	-1.9%
25.9%	5	5	0	-1.0%
27.2%	5	5	0	0.0%
28.4%	5	5	0	0.0%
29.6%	5	5	0	0.0%
30.9%	5	5	0	0.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	-0.1%
38.3%	5	5	0	-0.4%
39.5%	5	5	0	-0.5%
40.7%	5	5	0	-0.7%
42.0%	5	5	0	0.4%
43.2%	5	5	0	0.9%
44.4%	5	5	0	0.9%
45.7%	5	5	0	0.6%
46.9%	5	5	0	0.1%
48.1%	5	5	0	0.0%
49.4%	5	5	0	0.0%
50.6%	5	5	0	0.0%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.0%
54.3%	5	5	0	0.4%
55.6%	5	5	0	1.1%
56.8%	5	5	0	1.2%
58.0%	5	5	0	1.5%
59.3%	5	5	0	2.6%
60.5%	5	5	0	2.4%
61.7%	5	5	0	2.8%
63.0%	5	5	0	2.7%
64.2%	5	5	0	2.5%
65.4%	5	5	0	2.6%
66.7%	5	5	0	3.0%
67.9%	5	5	0	2.8%
69.1%	4	5	0	4.7%
70.4%	4	5	0	8.1%
71.6%	4	5	0	9.0%
72.8%	4	5	0	10.5%
74.1%	4	5	0	11.0%
75.3%	4	5	0	9.8%
76.5%	4	4	0	8.8%
77.8%	4	4	0	7.4%
79.0%	4	4	0	6.6%
80.2%	4	4	0	8.5%
81.5%	4	4	0	7.6%
82.7%	4	4	0	3.3%
84.0%	4	4	0	2.7%
85.2%	4	4	0	5.4%
86.4%	4	4	0	3.5%
87.7%	4	4	0	3.5%
88.9%	4	4	0	2.2%
90.1%	4	4	0	0.9%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	5.7%
96.3%	4	4	0	6.6%
97.5%	4	4	0	1.5%
98.8%	3	3	0	0.0%
100.0%	3	3	0	0.0%

January

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	17	17	0	0.0%
1.2%	15	15	0	0.0%
2.5%	15	15	0	-0.2%
3.7%	15	15	0	0.0%
4.9%	15	15	0	0.0%
6.2%	14	14	0	0.0%
7.4%	14	14	0	0.0%
8.6%	13	13	0	0.0%
9.9%	13	13	0	0.0%
11.1%	13	13	0	0.6%
12.3%	13	13	0	0.0%
13.6%	12	12	0	0.0%
14.8%	12	12	0	0.0%
16.0%	12	12	0	0.0%
17.3%	11	11	0	-0.2%
18.5%	11	11	0	-3.0%
19.8%	11	11	0	0.0%
21.0%	11	11	0	-0.4%
22.2%	10	10	0	0.0%
23.5%	10	10	0	0.0%
24.7%	10	10	0	0.0%
25.9%	10	10	0	0.0%
27.2%	9	9	0	0.0%
28.4%	9	9	0	0.0%
29.6%	9	9	0	0.0%
30.9%	9	9	0	0.0%
32.1%	8	8	0	0.0%
33.3%	8	8	0	0.0%
34.6%	8	8	0	0.9%
35.8%	8	7	0	-2.6%
37.0%	7	7	0	-1.0%
38.3%	7	7	0	1.3%
39.5%	7	7	0	-0.1%
40.7%	6	6	0	-1.9%
42.0%	6	6	0	2.0%
43.2%	6	6	0	1.7%
44.4%	6	6	0	0.2%
45.7%	6	6	0	1.0%
46.9%	6	6	0	1.7%
48.1%	6	6	0	5.4%
49.4%	5	6	0	7.7%
50.6%	5	6	0	9.1%
51.9%	5	5	0	8.5%
53.1%	5	5	0	0.1%
54.3%	5	5	0	-2.1%
55.6%	5	5	0	0.0%
56.8%	5	5	0	-0.8%
58.0%	5	5	0	-1.0%
59.3%	5	5	0	0.0%
60.5%	5	5	0	0.0%
61.7%	5	5	0	0.0%
63.0%	5	5	0	0.0%
64.2%	5	5	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	-0.2%
67.9%	5	5	0	-0.2%
69.1%	5	5	0	-0.8%
70.4%	5	5	0	0.2%
71.6%	5	5	0	1.7%
72.8%	5	5	0	1.4%
74.1%	5	5	0	0.1%
75.3%	5	5	0	0.0%
76.5%	5	5	0	0.0%
77.8%	4	5	0	1.4%
79.0%	4	5	0	3.3%
80.2%	4	5	0	3.3%
81.5%	4	4	0	2.3%
82.7%	4	4	0	2.4%
84.0%	4	4	0	6.6%
85.2%	4	4	0	9.2%
86.4%	4	4	0	9.4%
87.7%	4	4	0	8.0%
88.9%	4	4	0	6.7%
90.1%	4	4	0	4.0%
91.4%	4	4	0	4.3%
92.6%	4	4	0	0.7%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	3	4	1	16.9%
97.5%	3	3	0	1.1%
98.8%	3	3	0	0.1%
100.0%	3	3	0	0.0%

Table SW-58-b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

February

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	17	17	0	0.0%
1.2%	16	16	0	0.0%
2.5%	16	16	0	0.0%
3.7%	14	14	0	0.0%
4.9%	13	13	0	0.0%
6.2%	13	13	0	0.0%
7.4%	13	13	0	0.0%
8.6%	13	13	0	0.0%
9.9%	13	13	0	0.0%
11.1%	13	13	0	0.0%
12.3%	13	13	0	0.0%
13.6%	13	13	0	-0.2%
14.8%	13	13	0	-0.2%
16.0%	12	12	0	0.0%
17.3%	12	12	0	0.0%
18.5%	12	12	0	0.0%
19.8%	12	12	0	0.0%
21.0%	12	12	0	0.0%
22.2%	11	11	0	0.0%
23.5%	11	11	0	0.0%
24.7%	11	11	0	0.0%
25.9%	11	11	0	0.0%
27.2%	11	11	0	-0.6%
28.4%	11	11	0	-0.4%
29.6%	10	10	0	0.0%
30.9%	10	10	0	0.0%
32.1%	10	9	0	-2.1%
33.3%	9	9	0	0.0%
34.6%	9	9	0	0.5%
35.8%	9	9	0	0.0%
37.0%	9	9	0	2.6%
38.3%	9	9	0	0.0%
39.5%	9	9	0	-1.2%
40.7%	9	9	0	-0.1%
42.0%	9	9	0	0.0%
43.2%	8	8	0	0.0%
44.4%	8	8	0	0.0%
45.7%	8	8	0	0.0%
46.9%	8	8	0	0.0%
48.1%	8	8	0	0.0%
49.4%	8	8	0	0.0%
50.6%	8	8	0	0.0%
51.9%	8	8	0	0.0%
53.1%	7	8	0	4.2%
54.3%	7	7	0	1.5%
55.6%	7	7	0	1.5%
56.8%	7	7	0	0.7%
58.0%	7	7	0	1.3%
59.3%	7	7	0	0.0%
60.5%	7	6	0	-4.1%
61.7%	6	6	0	-1.0%
63.0%	6	6	0	-2.7%
64.2%	6	6	0	0.0%
65.4%	5	5	0	0.0%
66.7%	5	5	0	-4.1%
67.9%	5	5	0	-2.4%
69.1%	5	5	0	-3.1%
70.4%	5	5	0	-0.3%
71.6%	5	5	0	-3.7%
72.8%	5	5	0	-1.5%
74.1%	5	5	0	0.0%
75.3%	5	5	0	5.3%
76.5%	4	4	0	0.0%
77.8%	4	4	0	0.0%
79.0%	4	4	0	0.0%
80.2%	4	4	0	0.0%
81.5%	4	4	0	-0.1%
82.7%	4	4	0	-1.2%
84.0%	4	4	0	1.2%
85.2%	4	4	0	0.0%
86.4%	4	4	0	1.5%
87.7%	4	4	0	3.1%
88.9%	4	4	0	3.9%
90.1%	4	4	0	3.7%
91.4%	4	4	0	10.9%
92.6%	4	4	0	9.8%
93.8%	4	4	0	7.0%
95.1%	4	4	0	2.8%
96.3%	4	4	0	0.0%
97.5%	3	3	0	0.0%
98.8%	3	3	0	0.0%
100.0%	3	3	0	0.0%

March

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	14	14	0	0.0%
1.2%	14	14	0	0.0%
2.5%	13	13	0	0.0%
3.7%	12	12	0	0.0%
4.9%	12	12	0	0.0%
6.2%	12	12	0	0.0%
7.4%	12	12	0	0.0%
8.6%	11	11	0	0.0%
9.9%	11	11	0	0.0%
11.1%	10	10	0	0.0%
12.3%	10	10	0	0.0%
13.6%	10	10	0	0.0%
14.8%	10	10	0	0.0%
16.0%	10	10	0	0.0%
17.3%	10	10	0	0.0%
18.5%	10	10	0	0.0%
19.8%	9	9	0	0.0%
21.0%	9	9	0	0.0%
22.2%	9	9	0	0.0%
23.5%	9	9	0	0.0%
24.7%	9	9	0	0.0%
25.9%	9	9	0	0.0%
27.2%	9	9	0	-0.6%
28.4%	9	9	0	-0.1%
29.6%	9	9	0	0.0%
30.9%	8	8	0	0.0%
32.1%	8	8	0	0.0%
33.3%	8	8	0	0.0%
34.6%	8	8	0	0.0%
35.8%	8	8	0	0.0%
37.0%	8	8	0	0.0%
38.3%	8	8	0	0.0%
39.5%	8	8	0	1.1%
40.7%	7	7	0	0.0%
42.0%	7	7	0	0.0%
43.2%	7	7	0	0.0%
44.4%	7	7	0	0.0%
45.7%	7	7	0	0.0%
46.9%	7	7	0	0.0%
48.1%	7	7	0	0.0%
49.4%	7	7	0	0.0%
50.6%	7	7	0	0.0%
51.9%	7	7	0	0.0%
53.1%	6	6	0	0.0%
54.3%	6	6	0	0.0%
55.6%	6	6	0	0.0%
56.8%	6	6	0	-0.3%
58.0%	6	6	0	-0.2%
59.3%	6	6	0	-3.8%
60.5%	6	5	0	-2.8%
61.7%	5	5	0	-0.6%
63.0%	5	5	0	-0.4%
64.2%	5	5	0	0.0%
65.4%	5	5	0	-0.1%
66.7%	5	5	0	-2.8%
67.9%	5	5	0	0.0%
69.1%	5	5	0	0.0%
70.4%	5	5	0	0.0%
71.6%	5	5	0	0.0%
72.8%	5	5	0	0.0%
74.1%	4	4	0	0.0%
75.3%	4	4	0	1.0%
76.5%	4	4	0	1.5%
77.8%	4	4	0	0.0%
79.0%	4	4	0	0.0%
80.2%	4	4	0	-1.1%
81.5%	4	4	0	-1.3%
82.7%	4	4	0	-0.4%
84.0%	4	4	0	0.0%
85.2%	4	4	0	0.0%
86.4%	4	4	0	0.0%
87.7%	4	4	0	0.0%
88.9%	4	4	0	0.0%
90.1%	4	4	0	0.0%
91.4%	4	4	0	0.0%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	3	3	0	7.0%
97.5%	3	3	0	1.2%
98.8%	3	3	0	0.0%
100.0%	3	3	0	0.0%

April

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	13	13	0	0.0%
1.2%	13	13	0	0.0%
2.5%	10	10	0	0.0%
3.7%	10	10	0	0.0%
4.9%	10	10	0	0.0%
6.2%	9	9	0	0.0%
7.4%	8	8	0	0.0%
8.6%	8	8	0	0.0%
9.9%	8	8	0	0.0%
11.1%	8	8	0	0.0%
12.3%	8	8	0	0.0%
13.6%	8	8	0	-0.1%
14.8%	7	7	0	0.0%
16.0%	7	7	0	0.0%
17.3%	7	7	0	0.0%
18.5%	7	7	0	-0.1%
19.8%	7	7	0	0.0%
21.0%	7	7	0	0.0%
22.2%	7	7	0	0.0%
23.5%	7	7	0	0.1%
24.7%	6	6	0	0.0%
25.9%	6	6	0	-2.4%
27.2%	6	6	0	-0.4%
28.4%	6	6	0	-1.9%
29.6%	6	6	0	0.0%
30.9%	6	6	0	-1.6%
32.1%	6	6	0	-0.7%
33.3%	6	6	0	-0.4%
34.6%	6	6	0	-1.0%
35.8%	6	6	0	-1.6%
37.0%	6	6	0	-1.4%
38.3%	6	6	0	-1.6%
39.5%	6	6	0	-1.3%
40.7%	6	6	0	0.0%
42.0%	6	6	0	-2.1%
43.2%	6	6	0	-2.5%
44.4%	6	5	0	-6.5%
45.7%	6	5	0	-6.3%
46.9%	5	5	0	-4.5%
48.1%	5	5	0	-5.2%
49.4%	5	5	0	-2.2%
50.6%	5	5	0	-0.5%
51.9%	5	5	0	-0.5%
53.1%	5	5	0	0.1%
54.3%	5	5	0	0.0%
55.6%	5	5	0	0.0%
56.8%	5	4	0	-5.1%
58.0%	5	4	0	-4.4%
59.3%	5	4	0	-3.8%
60.5%	4	4	0	-2.4%
61.7%	4	4	0	-2.5%
63.0%	4	4	0	-2.2%
64.2%	4	4	0	-2.9%
65.4%	4	4	0	-2.4%
66.7%	4	4	0	-3.2%
67.9%	4	4	0	0.0%
69.1%	4	4	0	0.0%
70.4%	4	4	0	0.0%
71.6%	4	4	0	1.0%
72.8%	4	4	0	1.3%
74.1%	4	4	0	1.4%
75.3%	4	4	0	1.4%
76.5%	4	4	0	1.5%
77.8%	4	4	0	1.9%
79.0%	4	4	0	3.8%
80.2%	4	4	0	4.0%
81.5%	4	4	0	4.2%
82.7%	4	4	0	6.3%
84.0%	4	4	0	6.6%
85.2%	4	4	0	6.6%
86.4%	4	4	0	6.6%
87.7%	4	4	0	6.0%
88.9%	4	4	0	5.8%
90.1%	4	4	0	5.1%
91.4%	4	4	0	4.9%
92.6%	4	4	0	4.8%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	3	4	1	21.3%
98.8%	3	4	1	21.8%
100.0%	3	4	0	14.7%

May

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	8	8	0	0.0%
1.2%	7	7	0	0.0%
2.5%	7	7	0	0.0%
3.7%	6	6	0	0.0%
4.9%	6	6	0	6.9%
6.2%	5	6	0	3.1%
7.4%	5	5	0	1.7%
8.6%	5	5	0	3.2%
9.9%	5	5	0	5.2%
11.1%	5	5	0	2.2%
12.3%	5	5	0	0.3%
13.6%	5	5	0	0.2%
14.8%	5	5	0	0.4%
16.0%	5	5	0	-0.7%
17.3%	5	5	0	-0.8%
18.5%	5	5	0	-1.4%
19.8%	5	5	0	-0.9%
21.0%	5	5	0	-1.3%
22.2%	5	5	0	-1.0%
23.5%	5	5	0	-0.8%
24.7%	5	5	0	0.0%
25.9%	5	5	0	0.0%
27.2%	5	5	0	0.0%
28.4%	5	5	0	0.0%
29.6%	5	5	0	0.0%
30.9%	5	5	0	0.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.4%
39.5%	5	5	0	1.3%
40.7%	5	5	0	2.6%
42.0%	5	5	0	4.3%
43.2%	5	5	0	2.1%
44.4%	4	5	0	3.6%
45.7%	4	5	0	3.8%
46.9%	4	4	0	1.5%
48.1%	4	4	0	0.0%
49.4%	4	4	0	0.0%
50.6%	4	4	0	0.0%
51.9%	4	4	0	-0.4%
53.1%	4	4	0	0.2%
54.3%	4	4	0	0.8%
55.6%	4	4	0	1.2%
56.8%	4	4	0	1.8%
58.0%	4	4	0	2.3%
59.3%	4	4	0	3.3%
60.5%	4	4	0	3.5%
61.7%	4	4	0	4.0%
63.0%	4	4	0	4.0%
64.2%	4	4	0	4.6%
65.4%	4	4	0	4.6%
66.7%	4	4	0	4.7%
67.9%	4	4	0	4.2%
69.1%	4	4	0	3.8%
70.4%	4	4	0	4.3%
71.6%	4	4	0	4.2%
72.8%	4	4	0	4.1%
74.1%	4	4	0	3.9%
75.3%	4	4	0	3.2%
76.5%	4	4	0	4.3%
77.8%	4	4	0	4.1%
79.0%	4	4	0	3.4%
80.2%	4	4	0	3.5%
81.5%	4	4	0	3.7%
82.7%	4	4	0	5.1%
84.0%	4	4	0	4.6%
85.2%	4	4	0	5.6%
86.4%	4	4	0	5.8%
87.7%	4	4	0	5.7%
88.9%	4	4	0	2.9%
90.1%	4	4	0	1.8%
91.4%	4	4	0	1.7%
92.6%	4	4	0	0.0%
93.8%	4	4	0	0.0%
95.1%	4	4	0	0.0%
96.3%	4	4	0	0.0%
97.5%	3	4	1	18.8%
98.8%	3	4	1	16.5%
100.0%	3	3	0	1.0%

Table SW-58-b

American River at Fair Oaks, Monthly Stage

Probability of Exceedance

June

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	6	0	-2.0%
1.2%	6	6	0	7.5%
2.5%	6	6	0	6.4%
3.7%	5	6	1	15.6%
4.9%	5	6	0	4.1%
6.2%	5	6	0	2.4%
7.4%	5	5	0	2.7%
8.6%	5	5	0	-2.8%
9.9%	5	5	0	-4.7%
11.1%	5	5	0	-4.9%
12.3%	5	5	0	-4.2%
13.6%	5	5	0	-6.7%
14.8%	5	5	0	-6.8%
16.0%	5	5	0	-4.2%
17.3%	5	5	0	-3.4%
18.5%	5	5	0	-2.8%
19.8%	5	5	0	-2.0%
21.0%	5	5	0	-2.0%
22.2%	5	5	0	-1.8%
23.5%	5	5	0	-1.0%
24.7%	5	5	0	-1.0%
25.9%	5	5	0	-0.8%
27.2%	5	5	0	0.0%
28.4%	5	5	0	0.0%
29.6%	5	5	0	0.0%
30.9%	5	5	0	0.0%
32.1%	5	5	0	0.0%
33.3%	5	5	0	0.0%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	-0.2%
42.0%	5	5	0	-2.6%
43.2%	5	5	0	-2.9%
44.4%	5	5	0	-3.6%
45.7%	5	5	0	-2.5%
46.9%	5	5	0	-0.8%
48.1%	5	5	0	-0.6%
49.4%	5	5	0	0.1%
50.6%	5	5	0	0.3%
51.9%	5	5	0	0.0%
53.1%	5	5	0	0.5%
54.3%	4	5	0	2.8%
55.6%	4	5	0	3.0%
56.8%	4	5	0	3.8%
58.0%	4	5	0	4.7%
59.3%	4	5	0	5.4%
60.5%	4	5	0	6.8%
61.7%	4	5	0	6.5%
63.0%	4	5	0	6.2%
64.2%	4	5	0	6.3%
65.4%	4	4	0	7.1%
66.7%	4	4	0	6.3%
67.9%	4	4	0	6.9%
69.1%	4	4	0	7.3%
70.4%	4	4	0	7.4%
71.6%	4	4	0	7.3%
72.8%	4	4	0	6.7%
74.1%	4	4	0	6.6%
75.3%	4	4	0	6.7%
76.5%	4	4	0	6.6%
77.8%	4	4	0	8.3%
79.0%	4	4	0	9.1%
80.2%	4	4	0	11.2%
81.5%	4	4	0	10.2%
82.7%	4	4	0	9.5%
84.0%	4	4	0	10.3%
85.2%	4	4	0	9.4%
86.4%	4	4	0	9.4%
87.7%	4	4	0	9.2%
88.9%	4	4	0	8.1%
90.1%	4	4	0	6.9%
91.4%	4	4	0	5.8%
92.6%	4	4	0	-0.3%
93.8%	4	4	0	2.0%
95.1%	4	4	0	1.6%
96.3%	4	4	0	0.7%
97.5%	3	3	0	4.7%
98.8%	3	3	0	1.5%
100.0%	3	3	0	2.3%

July

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	0.0%
1.2%	7	7	0	0.0%
2.5%	7	7	0	0.0%
3.7%	7	7	0	0.0%
4.9%	7	7	0	0.0%
6.2%	7	7	0	-3.2%
7.4%	7	7	0	-4.0%
8.6%	7	7	0	-4.9%
9.9%	7	7	-1	-7.6%
11.1%	7	7	-1	-8.0%
12.3%	7	6	-1	-9.9%
13.6%	7	6	-1	-9.4%
14.8%	7	6	-1	-10.3%
16.0%	7	6	-1	-13.3%
17.3%	7	6	-1	-13.7%
18.5%	7	6	-1	-13.5%
19.8%	7	6	-1	-13.8%
21.0%	7	6	-1	-14.2%
22.2%	7	6	-1	-14.1%
23.5%	7	6	-1	-13.9%
24.7%	7	6	-1	-14.1%
25.9%	7	6	-1	-14.5%
27.2%	7	6	-1	-14.0%
28.4%	7	6	-1	-14.2%
29.6%	6	6	-1	-13.4%
30.9%	6	6	-1	-13.1%
32.1%	6	6	-1	-13.0%
33.3%	6	5	-1	-15.0%
34.6%	6	5	-1	-14.6%
35.8%	6	5	-1	-13.5%
37.0%	6	5	-1	-12.3%
38.3%	6	5	-1	-12.0%
39.5%	6	5	-1	-11.6%
40.7%	6	5	-1	-11.8%
42.0%	6	5	-1	-11.8%
43.2%	6	5	-1	-11.2%
44.4%	6	5	0	-7.5%
45.7%	6	5	0	-7.3%
46.9%	6	5	0	-6.6%
48.1%	6	5	0	-6.3%
49.4%	6	5	0	-6.5%
50.6%	6	5	0	-5.6%
51.9%	6	5	-1	-10.3%
53.1%	6	5	-1	-10.5%
54.3%	6	5	-1	-10.4%
55.6%	6	5	-1	-10.0%
56.8%	6	5	-1	-9.4%
58.0%	5	5	0	-8.8%
59.3%	5	5	0	-8.7%
60.5%	5	5	0	-7.6%
61.7%	5	5	0	-7.4%
63.0%	5	5	0	-6.8%
64.2%	5	5	0	-6.1%
65.4%	5	5	0	-6.0%
66.7%	5	5	0	-5.9%
67.9%	5	5	0	-0.2%
69.1%	5	5	0	-0.3%
70.4%	5	5	0	-0.4%
71.6%	5	5	0	0.9%
72.8%	5	5	0	1.6%
74.1%	5	5	0	1.3%
75.3%	5	5	0	0.5%
76.5%	5	5	0	-0.5%
77.8%	5	5	0	-1.6%
79.0%	5	5	0	-1.6%
80.2%	5	5	0	-3.0%
81.5%	5	5	0	-3.0%
82.7%	5	5	0	-3.5%
84.0%	5	5	0	-2.6%
85.2%	5	4	0	-4.5%
86.4%	5	4	0	-4.1%
87.7%	4	4	0	-0.9%
88.9%	4	4	0	0.5%
90.1%	4	4	0	1.4%
91.4%	4	4	0	6.5%
92.6%	4	4	0	4.9%
93.8%	4	4	0	3.7%
95.1%	4	4	0	6.3%
96.3%	4	4	0	0.8%
97.5%	3	4	0	7.7%
98.8%	3	4	0	8.7%
100.0%	3	3	0	4.3%

August

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	6	6	-1	-9.1%
1.2%	6	5	-1	-10.5%
2.5%	6	5	0	-5.3%
3.7%	6	5	-1	-9.3%
4.9%	5	5	0	-5.5%
6.2%	5	5	0	-4.7%
7.4%	5	5	0	-0.3%
8.6%	5	5	0	0.6%
9.9%	5	5	0	2.8%
11.1%	5	5	0	3.8%
12.3%	5	5	0	3.4%
13.6%	5	5	0	1.5%
14.8%	5	5	0	0.1%
16.0%	5	5	0	0.0%
17.3%	5	5	0	0.0%
18.5%	5	5	0	0.0%
19.8%	5	5	0	0.0%
21.0%	5	5	0	0.0%
22.2%	5	5	0	0.0%
23.5%	5	5	0	0.0%
24.7%	5	5	0	0.0%
25.9%	5	5	0	0.0%
27.2%	5	5	0	-1.0%
28.4%	5	5	0	-1.2%
29.6%	5	5	0	-1.3%
30.9%	5	5	0	-1.6%
32.1%	5	5	0	-1.5%
33.3%	5	5	0	-0.7%
34.6%	5	5	0	-0.8%
35.8%	5	5	0	1.7%
37.0%	4	5	0	2.5%
38.3%	4	5	0	3.3%
39.5%	4	5	0	3.4%
40.7%	4	5	0	3.3%
42.0%	4	5	0	3.5%
43.2%	4	5	0	4.1%
44.4%	4	5	0	4.3%
45.7%	4	5	0	4.3%
46.9%	4	5	0	4.8%
48.1%	4	5	0	6.9%
49.4%	4	4	0	6.6%
50.6%	4	4	0	6.5%
51.9%	4	4	0	6.7%
53.1%	4	4	0	7.7%
54.3%	4	4	0	7.8%
55.6%	4	4	0	7.7%
56.8%	4	4	0	7.3%
58.0%	4	4	0	7.9%
59.3%	4	4	0	8.3%
60.5%	4	4	0	7.5%
61.7%	4	4	0	7.2%
63.0%	4	4	0	6.7%
64.2%	4	4	0	6.9%
65.4%	4	4	0	7.2%
66.7%	4	4	0	6.8%
67.9%	4	4	0	6.5%
69.1%	4	4	0	6.3%
70.4%	4	4	0	7.2%
71.6%	4	4	0	6.9%
72.8%	4	4	0	6.0%
74.1%	4	4	0	6.3%
75.3%	4	4	0	6.6%
76.5%	4	4	0	6.3%
77.8%	4	4	0	6.3%
79.0%	4	4	0	6.9%
80.2%	4	4	0	5.8%
81.5%	4	4	0	3.6%
82.7%	4	4	0	2.0%
84.0%	4	4	0	1.5%
85.2%	4	4	0	1.3%
86.4%	4	4	0	1.1%
87.7%	4	4	0	0.7%
88.9%	4	4	0	0.6%
90.1%	4	4	0	2.9%
91.4%	4	4	0	5.5%
92.6%	3	4	0	9.4%
93.8%	3	4	0	8.3%
95.1%	3	4	0	9.2%
96.3%	3	4	0	10.0%
97.5%	3	4	0	7.8%
98.8%	3	4	0	7.4%
100.0%	3	3	0	3.3%

September

Percent Exceedance Probability	WSIP 2070 Without Project Monthly Stage (FT)	WSIP 2070 With Project Monthly Stage (FT)	Absolute Difference (FT)	Relative Difference (%)
0.0%	7	7	0	-3.6%
1.2%	7	7	0	-3.1%
2.5%	6	6	0	-0.8%
3.7%	6	6	0	-2.5%
4.9%	6	6	0	-1.2%
6.2%	6	6	0	0.8%
7.4%	6	6	0	0.5%
8.6%	6	6	0	0.0%
9.9%	6	6	0	-3.7%
11.1%	6	6	0	-4.9%
12.3%	6	5	0	-6.2%
13.6%	6	5	0	-5.3%
14.8%	6	5	0	-5.3%
16.0%	6	5	0	-5.5%
17.3%	5	5	0	-4.1%
18.5%	5	5	0	-2.5%
19.8%	5	5	0	-1.9%
21.0%	5	5	0	-4.4%
22.2%	5	5	0	-4.1%
23.5%	5	5	0	-3.9%
24.7%	5	5	0	-7.2%
25.9%	5	5	0	-7.3%
27.2%	5	5	0	-4.7%
28.4%	5	5	0	-5.5%
29.6%	5	5	0	-5.2%
30.9%	5	5	0	-6.0%
32.1%	5	5	0	-2.3%
33.3%	5	5	0	-2.3%
34.6%	5	5	0	0.0%
35.8%	5	5	0	0.0%
37.0%	5	5	0	0.0%
38.3%	5	5	0	0.0%
39.5%	5	5	0	0.0%
40.7%	5	5	0	-0.3%
42.0%	5	5	0	-0.3%
43.2%	5	5	0	-0.4%
44.4%	5	4	0	-1.4%
45.7%	5	4	0	-2.7%
46.9%	4	4	0	0.5%
48.1%	4	4	0	0.6%
49.4%	4	4	0	0.8%
50.6%	4	4	0	2.0%
51.9%	4	4	0	3.8%
53.1%	4	4	0	4.9%
54.3%	4	4	0	4.6%
55.6%	4	4	0	4.3%
56.8%	4	4	0	4.7%
58.0%	4	4	0	5.1%
59.3%	4	4	0	5.7%
60.5%	4	4	0	6.5%
61.7%	4	4	0	6.5%
63.0%	4	4	0	8.6%
64.2%	4	4	0	8.5%
65.4%	4	4	0	8.6%
66.7%	4	4	0	7.5%
67.9%	4	4	0	8.4%
69.1%	4	4	0	8.5%
70.4%	4	4	0	9.4%
71.6%	4	4	0	10.4%
72.8%	4	4	0	8.7%
74.1%	4	4	0	9.3%
75.3%	4	4	0	7.2%
76.5%	4	4	0	5.1%
77.8%	4	4	0	3.9%
79.0%	4	4	0	2.8%
80.2%	4	4	0	2.3%
81.5%	4	4	0	2.2%
82.7%	4	4	0	1.2%
84.0%	4	4	0	1.0%
85.2%	4	4	0	0.0%
86.4%	4	4	0	5.5%
87.7%	4	4	0	5.5%
88.9%	3	4	0	9.7%
90.1%	3	4	0	13.4%
91.4%	3	4	0	10.1%
92.6%	3	4	0	9.9%
93.8%	3	4	0	10.1%
95.1%	3	4	0	9.9%
96.3%	3	4	0	11.3%
97.5%	3	3	0	8.5%
98.8%	3	3	0	6.3%
100.0%	3	3	0	1.4%

Table AQ-02-8a-1

Annual Potential Production for Fall-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

Analysis Period	Annual Potential Production (# of Fish/year)
Long-term	
Full Simulation Period[1]	
WSIP 2030 Without Project	32,275,104
WSIP 2030 With Project (051217)	32,710,242
Difference	435,138
Percent Difference[3]	1.3
Water Year Types[2]	
Wet (30.5%)	
WSIP 2030 Without Project	28,240,499
WSIP 2030 With Project (051217)	28,267,749
Difference	27,250
Percent Difference	0.1
Above Normal (14.6%)	
WSIP 2030 Without Project	30,240,037
WSIP 2030 With Project (051217)	31,628,088
Difference	1,388,051
Percent Difference	4.6
Below Normal (20.7%)	
WSIP 2030 Without Project	35,133,596
WSIP 2030 With Project (051217)	35,251,822
Difference	118,227
Percent Difference	0.3
Dry (19.5%)	
WSIP 2030 Without Project	35,836,178
WSIP 2030 With Project (051217)	35,856,071
Difference	19,893
Percent Difference	0.1
Critical (14.6%)	
WSIP 2030 Without Project	33,578,791
WSIP 2030 With Project (051217)	35,072,220
Difference	1,493,430
Percent Difference	4.4

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

Table AQ-02-8a-2

Annual Production of Listed Life-stages for Fall-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

Analysis Period	Annual Production (# of Fish/year)				
	Eggs	Fry	Pre-Smolt	Immature-Smolt	Juvenile (Pre & Immature Smolt)
Long-term					
Full Simulation Period[1]					
WSIP 2030 Without Project	79,443,619	45,269,976	34,083,716	32,275,187	66,358,903
WSIP 2030 With Project (051217)	80,356,973	45,708,740	34,568,671	32,710,684	67,279,354
Difference	913,354	438,764	484,955	435,496	920,451
Percent Difference[3]	1.1	1.0	1.4	1.3	1.4
Water Year Types[2]					
Wet (30.5%)					
WSIP 2030 Without Project	65,156,412	38,640,096	29,378,681	28,240,761	57,619,442
WSIP 2030 With Project (051217)	64,804,116	38,596,966	29,408,073	28,269,163	57,677,236
Difference	-352,296	-43,130	29,392	28,401	57,793
Percent Difference	-0.5	-0.1	0.1	0.1	0.1
Above Normal (14.6%)					
WSIP 2030 Without Project	76,295,161	41,391,963	31,487,320	30,240,037	61,727,357
WSIP 2030 With Project (051217)	78,894,198	43,074,418	32,948,145	31,628,094	64,576,239
Difference	2,599,038	1,682,456	1,460,825	1,388,057	2,848,882
Percent Difference	3.4	4.1	4.6	4.6	4.6
Below Normal (20.7%)					
WSIP 2030 Without Project	88,610,179	49,393,005	37,095,083	35,133,600	72,228,683
WSIP 2030 With Project (051217)	88,908,284	49,465,647	37,261,624	35,251,825	72,513,450
Difference	298,105	72,642	166,542	118,225	284,767
Percent Difference	0.3	0.1	0.4	0.3	0.4
Dry (19.5%)					
WSIP 2030 Without Project	91,054,630	50,877,217	38,096,724	35,836,180	73,932,904
WSIP 2030 With Project (051217)	92,093,730	50,600,466	38,104,695	35,856,066	73,960,761
Difference	1,039,100	-276,750	7,971	19,886	27,857
Percent Difference	1.1	-0.5	0.0	0.1	0.0
Critical (14.6%)					
WSIP 2030 Without Project	83,365,039	48,996,628	36,432,754	33,578,792	70,011,546
WSIP 2030 With Project (051217)	86,214,369	50,875,619	38,140,636	35,072,217	73,212,853
Difference	2,849,331	1,878,991	1,707,882	1,493,425	3,201,307
Percent Difference	3.4	3.8	4.7	4.4	4.6

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

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Figure AQ-02-8a

Annual Potential Production for Fall-Run Chinook Salmon

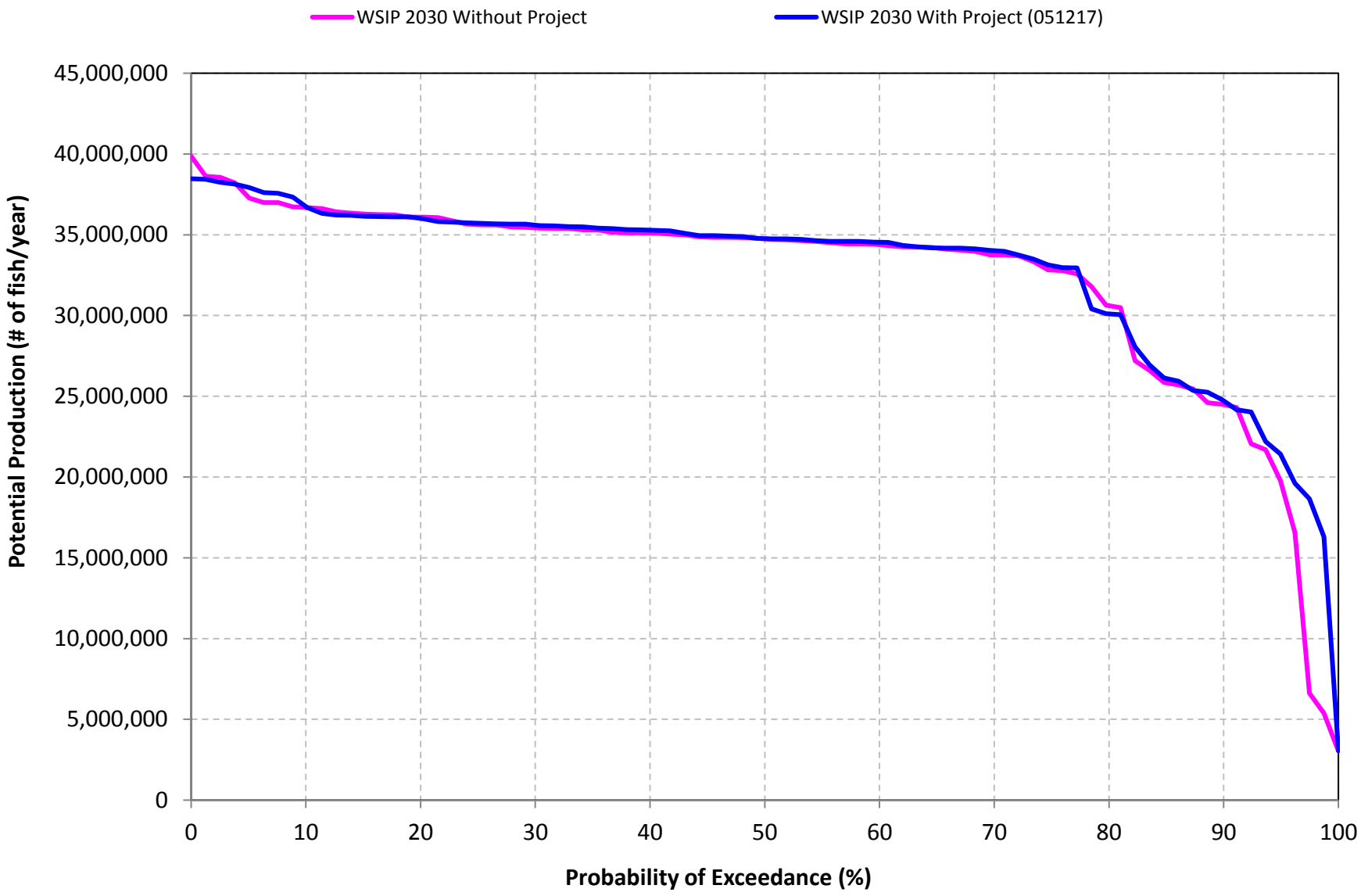

Table AQ-02-8b-1

Annual Potential Production for LateFall-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

Analysis Period	Annual Potential Production (# of Fish/year)
Long-term	
Full Simulation Period[1]	
WSIP 2030 Without Project	7,911,118
WSIP 2030 With Project (051217)	7,981,306
Difference	70,188
Percent Difference[3]	0.9
Water Year Types[2]	
Wet (30.5%)	
WSIP 2030 Without Project	7,230,840
WSIP 2030 With Project (051217)	7,268,667
Difference	37,827
Percent Difference	0.5
Above Normal (14.6%)	
WSIP 2030 Without Project	7,931,158
WSIP 2030 With Project (051217)	7,992,643
Difference	61,484
Percent Difference	0.8
Below Normal (20.7%)	
WSIP 2030 Without Project	8,308,688
WSIP 2030 With Project (051217)	8,345,895
Difference	37,207
Percent Difference	0.4
Dry (19.5%)	
WSIP 2030 Without Project	8,426,092
WSIP 2030 With Project (051217)	8,483,369
Difference	57,277
Percent Difference	0.7
Critical (14.6%)	
WSIP 2030 Without Project	8,061,806
WSIP 2030 With Project (051217)	8,270,606
Difference	208,800
Percent Difference	2.6

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

Table AQ-02-8b-2

Annual Production of Listed Life-stages for LateFall-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

	Annual Production (# of Fish/year)				
Analysis Period	**Eggs**	**Fry**	**Pre-Smolt**	**Immature-Smolt**	**Juvenile (Pre & Immature Smolt)**
Long-term					
Full Simulation Period[1]					
WSIP 2030 Without Project	17,100,672	11,311,933	8,564,206	7,911,118	16,475,324
WSIP 2030 With Project (051217)	17,130,007	11,366,687	8,641,303	7,981,306	16,622,609
Difference	29,335	54,754	77,097	70,188	147,285
Percent Difference[3]	0.2	0.5	0.9	0.9	0.9
Water Year Types[2]					
Wet (30.5%)					
WSIP 2030 Without Project	14,539,487	10,027,004	7,587,635	7,230,840	14,818,475
WSIP 2030 With Project (051217)	14,588,326	10,089,136	7,643,073	7,268,667	14,911,741
Difference	48,839	62,132	55,438	37,827	93,265
Percent Difference	0.3	0.6	0.7	0.5	0.6
Above Normal (14.6%)					
WSIP 2030 Without Project	16,536,550	11,042,596	8,350,149	7,931,158	16,281,307
WSIP 2030 With Project (051217)	16,481,666	11,157,058	8,443,774	7,992,643	16,436,416
Difference	-54,884	114,462	93,625	61,484	155,109
Percent Difference	-0.3	1.0	1.1	0.8	1.0
Below Normal (20.7%)					
WSIP 2030 Without Project	18,375,255	11,788,247	8,964,110	8,308,688	17,272,798
WSIP 2030 With Project (051217)	18,384,341	11,836,729	9,014,607	8,345,895	17,360,502
Difference	9,086	48,482	50,497	37,207	87,704
Percent Difference	0.0	0.4	0.6	0.4	0.5
Dry (19.5%)					
WSIP 2030 Without Project	18,593,504	12,073,512	9,202,716	8,426,092	17,628,808
WSIP 2030 With Project (051217)	18,618,506	12,144,904	9,264,072	8,483,369	17,747,441
Difference	25,003	71,393	61,356	57,277	118,633
Percent Difference	0.1	0.6	0.7	0.7	0.7
Critical (14.6%)					
WSIP 2030 Without Project	19,110,476	12,523,101	9,359,231	8,061,806	17,421,037
WSIP 2030 With Project (051217)	19,203,824	12,499,430	9,526,348	8,270,606	17,796,954
Difference	93,348	-23,671	167,118	208,800	375,918
Percent Difference	0.5	-0.2	1.8	2.6	2.2

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

Figure AQ-02-8b

Annual Potential Production for LateFall-Run Chinook Salmon

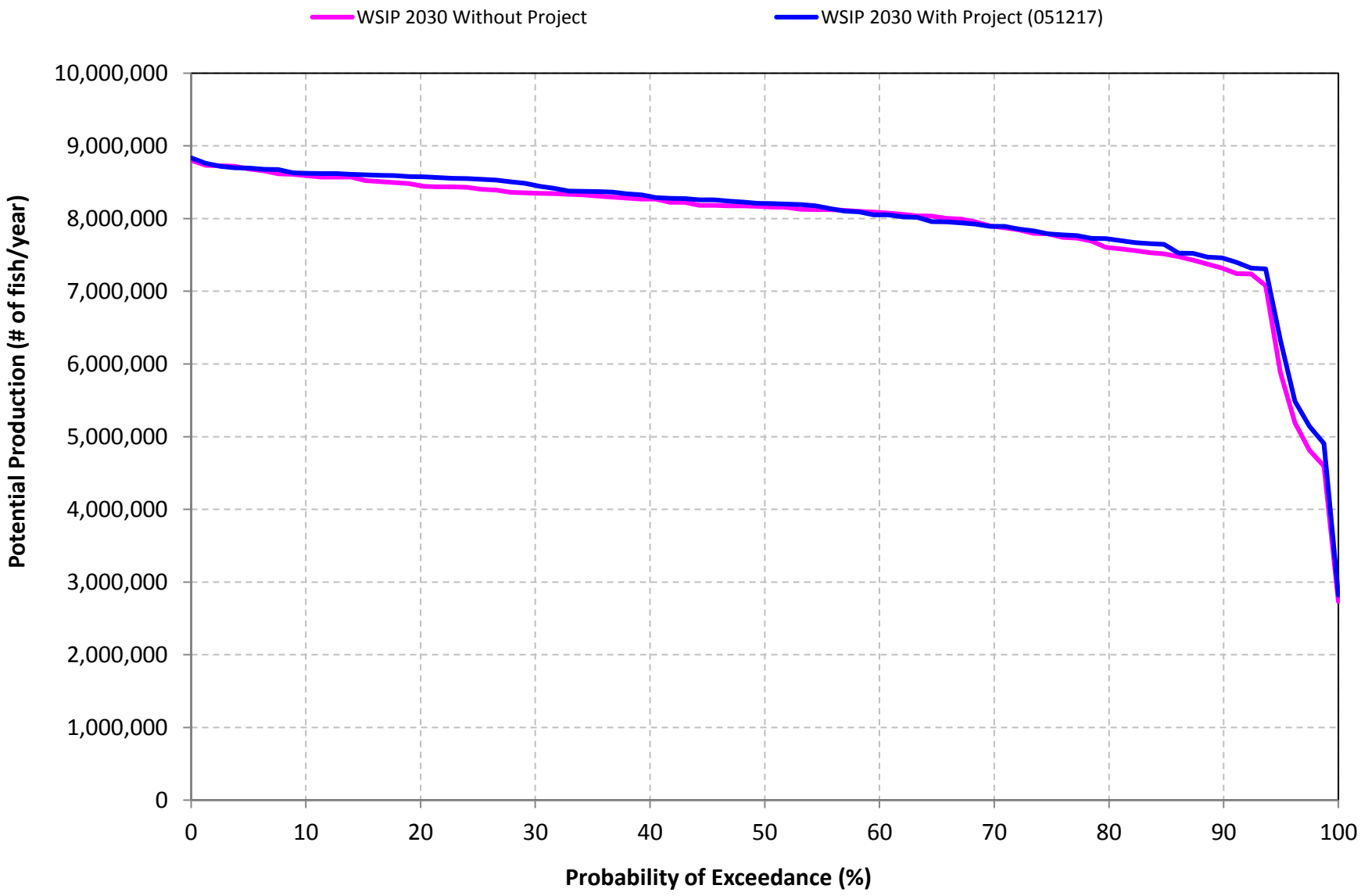

Table AQ-02-8d-1

Annual Potential Production for Spring-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

Analysis Period	Annual Potential Production (# of Fish/year)
Long-term	
Full Simulation Period[1]	
WSIP 2030 Without Project	866,601
WSIP 2030 With Project (051217)	879,932
Difference	13,331
Percent Difference[3]	1.5
Water Year Types[2]	
Wet (30.5%)	
WSIP 2030 Without Project	951,527
WSIP 2030 With Project (051217)	952,634
Difference	1,108
Percent Difference	0.1
Above Normal (14.6%)	
WSIP 2030 Without Project	955,109
WSIP 2030 With Project (051217)	958,285
Difference	3,175
Percent Difference	0.3
Below Normal (20.7%)	
WSIP 2030 Without Project	918,215
WSIP 2030 With Project (051217)	936,626
Difference	18,412
Percent Difference	2.0
Dry (19.5%)	
WSIP 2030 Without Project	882,511
WSIP 2030 With Project (051217)	896,598
Difference	14,088
Percent Difference	1.6
Critical (14.6%)	
WSIP 2030 Without Project	518,507
WSIP 2030 With Project (051217)	558,831
Difference	40,324
Percent Difference	7.8

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

Table AQ-02-8d-2

Annual Production of Listed Life-stages for Spring-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

Analysis Period	Annual Production (# of Fish/year)				
	Eggs	Fry	Pre-Smolt	Immature-Smolt	Juvenile (Pre & Immature Smolt)
Long-term					
Full Simulation Period[1]					
WSIP 2030 Without Project	1,394,544	1,173,437	870,789	866,601	1,737,390
WSIP 2030 With Project (051217)	1,416,061	1,191,964	884,155	879,932	1,764,087
Difference	21,517	18,527	13,366	13,331	26,697
Percent Difference[3]	1.5	1.6	1.5	1.5	1.5
Water Year Types[2]					
Wet (30.5%)					
WSIP 2030 Without Project	1,523,144	1,280,774	954,638	951,527	1,906,164
WSIP 2030 With Project (051217)	1,526,975	1,284,280	956,006	952,634	1,908,640
Difference	3,831	3,506	1,368	1,108	2,476
Percent Difference	0.3	0.3	0.1	0.1	0.1
Above Normal (14.6%)					
WSIP 2030 Without Project	1,528,094	1,284,734	958,939	955,109	1,914,048
WSIP 2030 With Project (051217)	1,534,466	1,290,182	962,187	958,285	1,920,471
Difference	6,372	5,448	3,248	3,175	6,423
Percent Difference	0.4	0.4	0.3	0.3	0.3
Below Normal (20.7%)					
WSIP 2030 Without Project	1,479,117	1,244,509	922,737	918,215	1,840,951
WSIP 2030 With Project (051217)	1,508,118	1,269,834	941,086	936,626	1,877,712
Difference	29,001	25,325	18,349	18,412	36,761
Percent Difference	2.0	2.0	2.0	2.0	2.0
Dry (19.5%)					
WSIP 2030 Without Project	1,432,080	1,203,993	886,742	882,511	1,769,253
WSIP 2030 With Project (051217)	1,453,038	1,221,996	900,574	896,598	1,797,172
Difference	20,958	18,003	13,832	14,088	27,920
Percent Difference	1.5	1.5	1.6	1.6	1.6
Critical (14.6%)					
WSIP 2030 Without Project	841,392	712,289	524,766	518,507	1,043,273
WSIP 2030 With Project (051217)	904,407	765,737	565,136	558,831	1,123,966
Difference	63,015	53,448	40,369	40,324	80,693
Percent Difference	7.5	7.5	7.7	7.8	7.7

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

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Figure AQ-02-8d

Annual Potential Production for Spring-Run Chinook Salmon

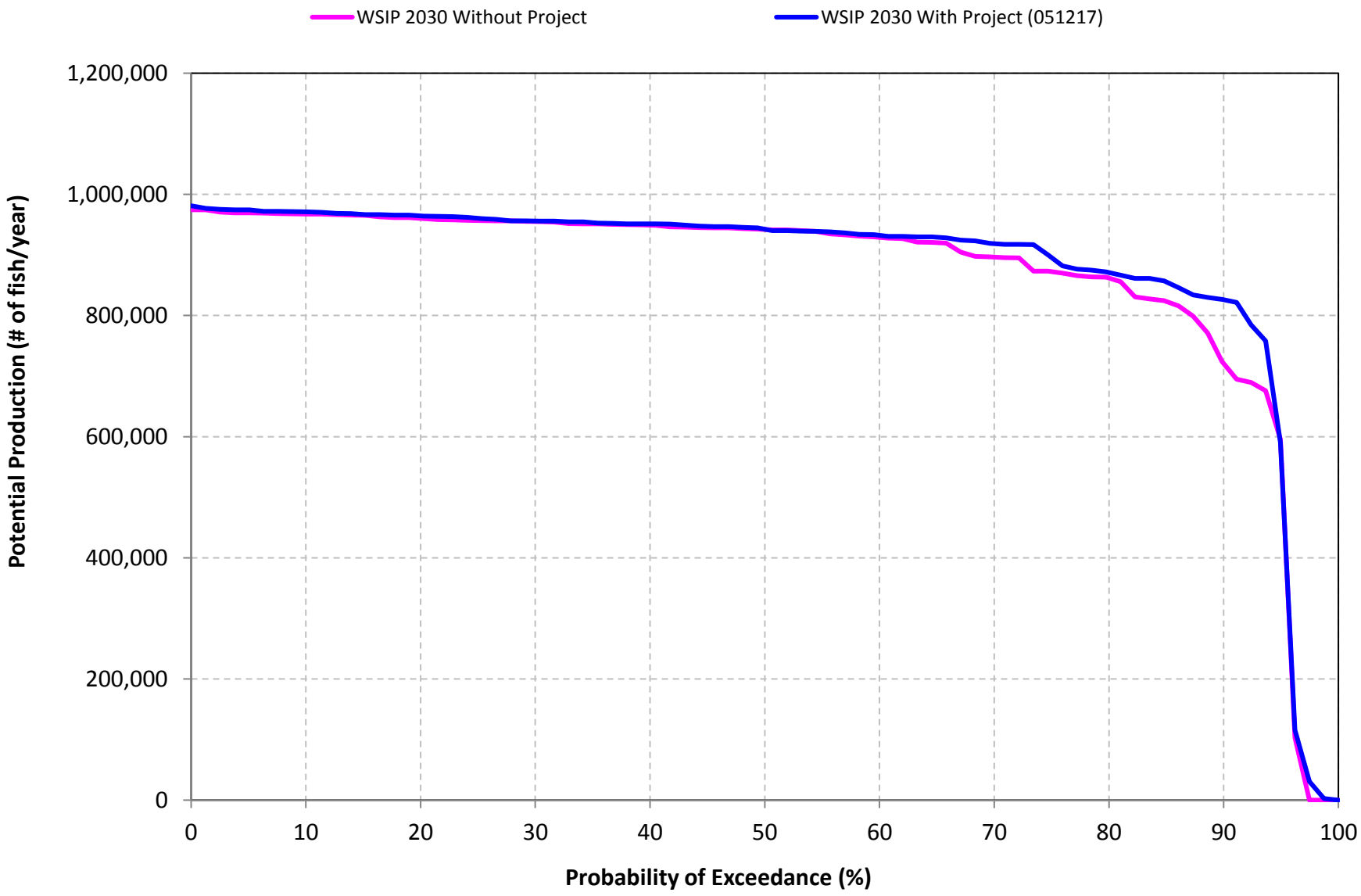

Table AQ-02-8c-1

Annual Potential Production for Winter-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

Analysis Period	Annual Potential Production (# of Fish/year)
Long-term	
Full Simulation Period[1]	
WSIP 2030 Without Project	3,892,177
WSIP 2030 With Project (051217)	3,912,804
Difference	20,627
Percent Difference[3]	0.5
Water Year Types[2]	
Wet (30.5%)	
WSIP 2030 Without Project	3,797,669
WSIP 2030 With Project (051217)	3,801,471
Difference	3,802
Percent Difference	0.1
Above Normal (14.6%)	
WSIP 2030 Without Project	3,880,737
WSIP 2030 With Project (051217)	3,924,831
Difference	44,094
Percent Difference	1.1
Below Normal (20.7%)	
WSIP 2030 Without Project	4,024,236
WSIP 2030 With Project (051217)	3,998,208
Difference	-26,028
Percent Difference	-0.6
Dry (19.5%)	
WSIP 2030 Without Project	4,058,132
WSIP 2030 With Project (051217)	3,995,575
Difference	-62,557
Percent Difference	-1.5
Critical (14.6%)	
WSIP 2030 Without Project	3,702,206
WSIP 2030 With Project (051217)	3,909,491
Difference	207,285
Percent Difference	5.6

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

Table AQ-02-8c-2

Annual Production of Listed Life-stages for Winter-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

Analysis Period	Annual Production (# of Fish/year)				
	Eggs	Fry	Pre-Smolt	Immature-Smolt	Juvenile (Pre & Immature Smolt)
Long-term					
Full Simulation Period[1]					
WSIP 2030 Without Project	7,225,619	5,388,310	4,063,626	3,892,177	7,955,803
WSIP 2030 With Project (051217)	7,325,431	5,413,423	4,093,700	3,912,804	8,006,504
Difference	99,811	25,113	30,075	20,627	50,701
Percent Difference[3]	1.4	0.5	0.7	0.5	0.6
Water Year Types[2]					
Wet (30.5%)					
WSIP 2030 Without Project	7,168,230	5,184,032	3,905,606	3,797,669	7,703,274
WSIP 2030 With Project (051217)	7,201,365	5,198,627	3,921,946	3,801,471	7,723,417
Difference	33,135	14,595	16,340	3,802	20,143
Percent Difference	0.5	0.3	0.4	0.1	0.3
Above Normal (14.6%)					
WSIP 2030 Without Project	7,227,275	5,317,833	4,006,276	3,880,737	7,887,013
WSIP 2030 With Project (051217)	7,267,864	5,389,827	4,062,984	3,924,831	7,987,815
Difference	40,590	71,994	56,708	44,094	100,801
Percent Difference	0.6	1.4	1.4	1.1	1.3
Below Normal (20.7%)					
WSIP 2030 Without Project	7,277,585	5,543,564	4,191,000	4,024,236	8,215,236
WSIP 2030 With Project (051217)	7,360,459	5,513,254	4,172,051	3,998,208	8,170,258
Difference	82,875	-30,309	-18,949	-26,028	-44,977
Percent Difference	1.1	-0.5	-0.5	-0.6	-0.5
Dry (19.5%)					
WSIP 2030 Without Project	7,330,627	5,619,760	4,272,463	4,058,132	8,330,595
WSIP 2030 With Project (051217)	7,411,917	5,535,073	4,208,187	3,995,575	8,203,763
Difference	81,291	-84,687	-64,275	-62,557	-126,832
Percent Difference	1.1	-1.5	-1.5	-1.5	-1.5
Critical (14.6%)					
WSIP 2030 Without Project	7,134,367	5,362,891	3,997,123	3,702,206	7,699,328
WSIP 2030 With Project (051217)	7,474,651	5,587,237	4,222,561	3,909,491	8,132,052
Difference	340,285	224,347	225,438	207,285	432,723
Percent Difference	4.8	4.2	5.6	5.6	5.6

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

Figure AQ-02-8c

Annual Potential Production for Winter-Run Chinook Salmon

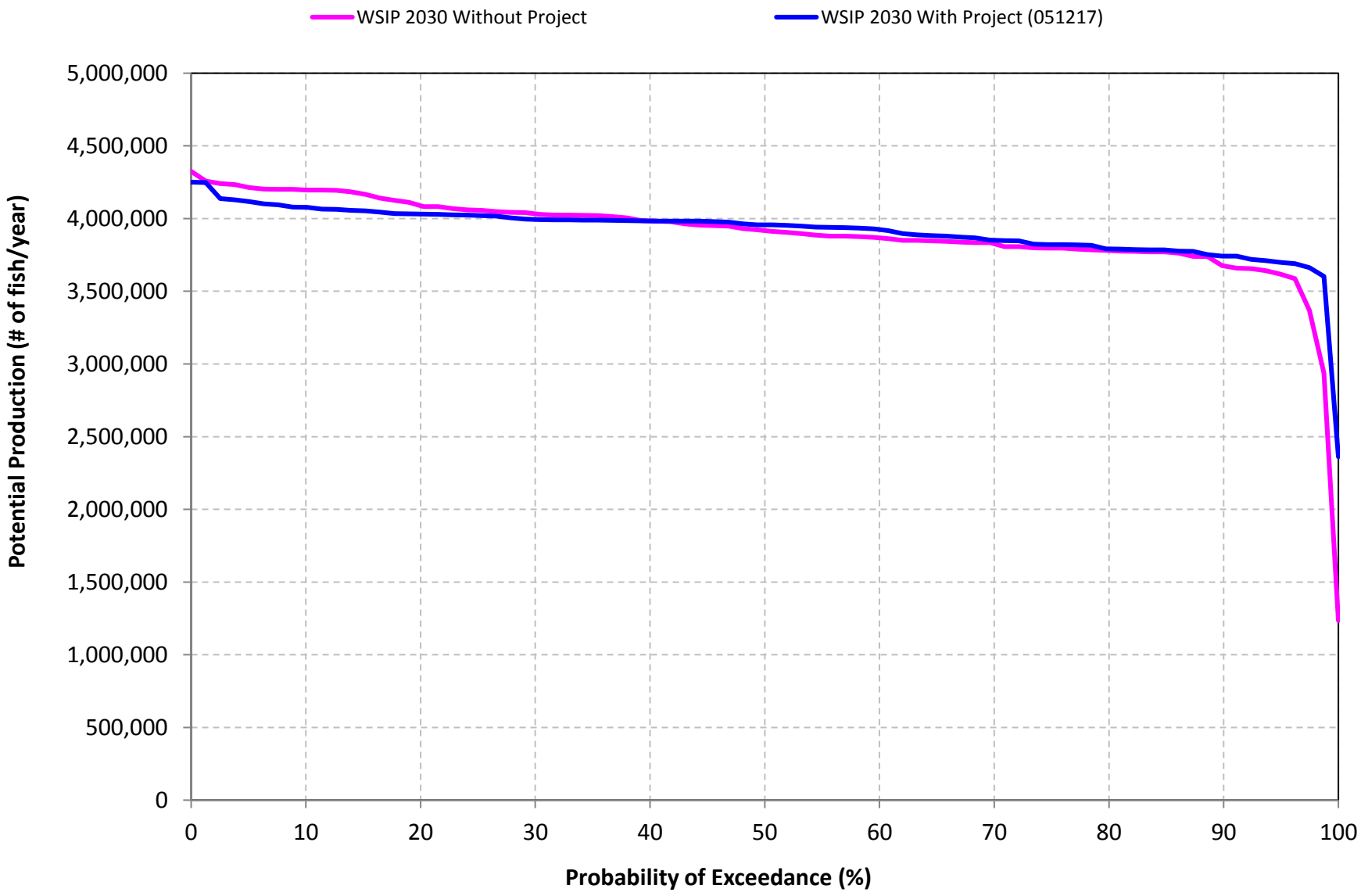

Table AQ-02-8a-1

Annual Potential Production for Fall-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

Analysis Period	Annual Potential Production (# of Fish/year)
Long-term	
Full Simulation Period[1]	
WSIP 2070 Without Project	27,506,156
WSIP 2070 With Project (051617)	28,961,125
Difference	1,454,968
Percent Difference[3]	5.3
Water Year Types[2]	
Wet (31.7%)	
WSIP 2070 Without Project	25,412,923
WSIP 2070 With Project (051617)	25,480,397
Difference	67,474
Percent Difference	0.3
Above Normal (13.4%)	
WSIP 2070 Without Project	29,812,869
WSIP 2070 With Project (051617)	30,256,786
Difference	443,918
Percent Difference	1.5
Below Normal (15.9%)	
WSIP 2070 Without Project	31,245,608
WSIP 2070 With Project (051617)	32,632,236
Difference	1,386,628
Percent Difference	4.4
Dry (24.4%)	
WSIP 2070 Without Project	29,025,341
WSIP 2070 With Project (051617)	31,600,086
Difference	2,574,746
Percent Difference	8.9
Critical (14.6%)	
WSIP 2070 Without Project	23,728,415
WSIP 2070 With Project (051617)	27,155,649
Difference	3,427,234
Percent Difference	14.4

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

Table AQ-02-8a-2

Annual Production of Listed Life-stages for Fall-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

Analysis Period	Annual Production (# of Fish/year)				
	Eggs	Fry	Pre-Smolt	Immature-Smolt	Juvenile (Pre & Immature Smolt)
Long-term					
Full Simulation Period[1]					
WSIP 2070 Without Project	66,802,729	39,745,462	29,738,072	27,506,157	57,244,229
WSIP 2070 With Project (051617)	70,469,314	41,700,760	31,341,021	28,961,123	60,302,144
Difference	3,666,584	1,955,298	1,602,949	1,454,966	3,057,915
Percent Difference[3]	5.5	4.9	5.4	5.3	5.3
Water Year Types[2]					
Wet (31.7%)					
WSIP 2070 Without Project	57,688,581	35,849,822	26,954,465	25,412,922	52,367,387
WSIP 2070 With Project (051617)	57,908,428	35,816,967	27,037,528	25,480,390	52,517,918
Difference	219,847	-32,855	83,063	67,468	150,531
Percent Difference	0.4	-0.1	0.3	0.3	0.3
Above Normal (13.4%)					
WSIP 2070 Without Project	79,133,395	42,164,394	31,719,612	29,812,866	61,532,478
WSIP 2070 With Project (051617)	80,504,051	42,644,584	32,235,112	30,256,787	62,491,899
Difference	1,370,656	480,190	515,501	443,921	959,421
Percent Difference	1.7	1.1	1.6	1.5	1.6
Below Normal (15.9%)					
WSIP 2070 Without Project	80,795,468	45,240,251	33,853,155	31,245,608	65,098,764
WSIP 2070 With Project (051617)	83,952,001	46,680,104	35,174,583	32,632,231	67,806,814
Difference	3,156,533	1,439,853	1,321,428	1,386,623	2,708,051
Percent Difference	3.9	3.2	3.9	4.4	4.2
Dry (24.4%)					
WSIP 2070 Without Project	70,971,933	42,370,664	31,610,881	29,025,347	60,636,228
WSIP 2070 With Project (051617)	77,502,762	46,142,480	34,532,123	31,600,087	66,132,210
Difference	6,530,830	3,771,816	2,921,242	2,574,740	5,495,983
Percent Difference	9.2	8.9	9.2	8.9	9.1
Critical (14.6%)					
WSIP 2070 Without Project	55,194,579	36,043,794	26,703,713	23,728,412	50,432,125
WSIP 2070 With Project (051617)	63,829,854	40,943,956	30,523,160	27,155,656	57,678,816
Difference	8,635,275	4,900,161	3,819,447	3,427,244	7,246,690
Percent Difference	15.6	13.6	14.3	14.4	14.4

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

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Figure AQ-02-8a

Annual Potential Production for Fall-Run Chinook Salmon

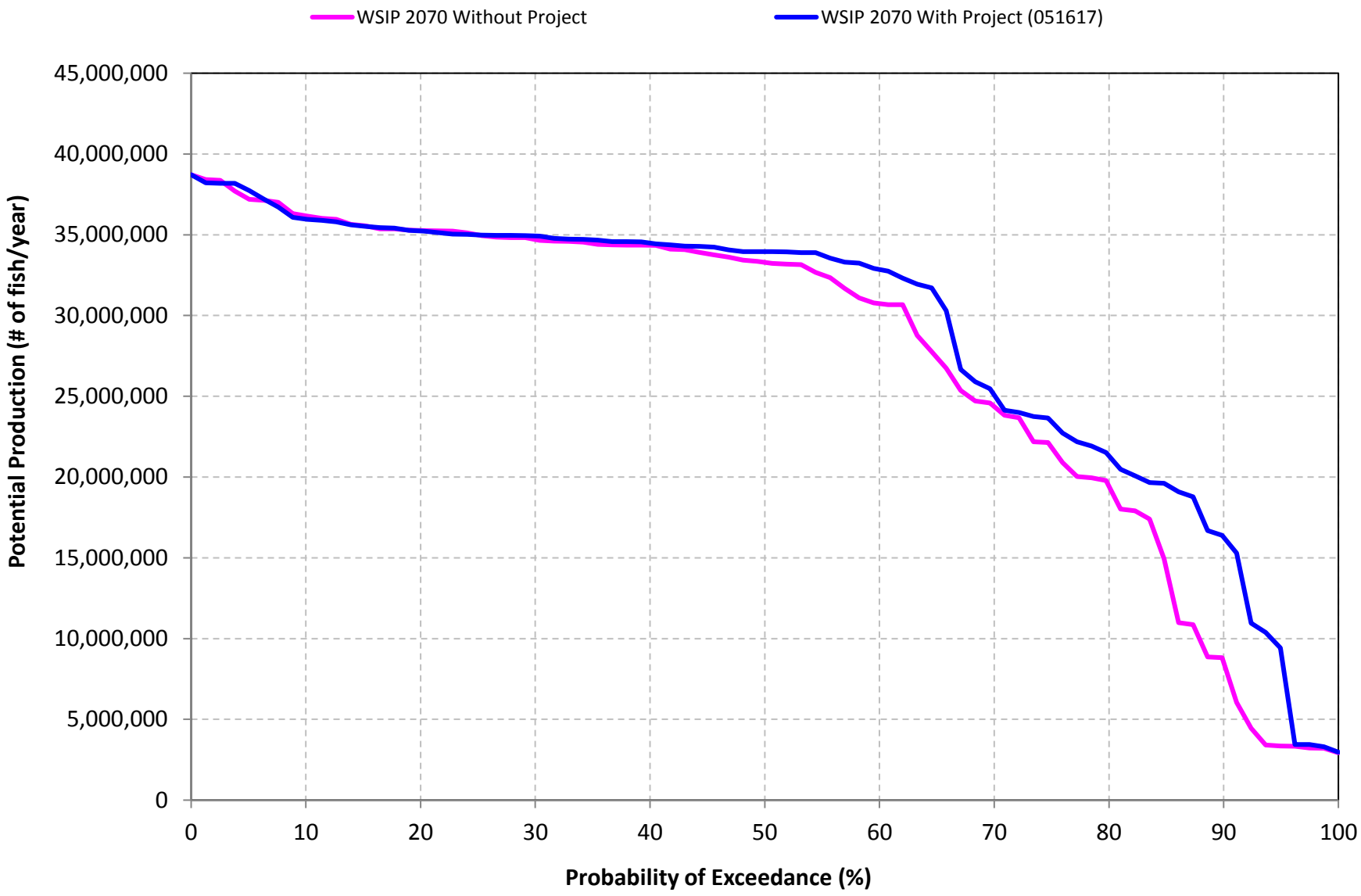

Table AQ-02-8b-1

Annual Potential Production for LateFall-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

Analysis Period	Annual Potential Production (# of Fish/year)
Long-term	
Full Simulation Period[1]	
WSIP 2070 Without Project	7,525,505
WSIP 2070 With Project (051617)	7,761,100
Difference	235,595
Percent Difference[3]	3.1
Water Year Types[2]	
Wet (31.7%)	
WSIP 2070 Without Project	7,192,368
WSIP 2070 With Project (051617)	7,198,300
Difference	5,932
Percent Difference	0.1
Above Normal (13.4%)	
WSIP 2070 Without Project	7,907,833
WSIP 2070 With Project (051617)	7,982,971
Difference	75,138
Percent Difference	1.0
Below Normal (15.9%)	
WSIP 2070 Without Project	8,424,622
WSIP 2070 With Project (051617)	8,499,441
Difference	74,820
Percent Difference	0.9
Dry (24.4%)	
WSIP 2070 Without Project	8,391,552
WSIP 2070 With Project (051617)	8,561,417
Difference	169,866
Percent Difference	2.0
Critical (14.6%)	
WSIP 2070 Without Project	5,543,102
WSIP 2070 With Project (051617)	6,680,369
Difference	1,137,267
Percent Difference	20.5

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

Table AQ-02-8b-2

Annual Production of Listed Life-stages for LateFall-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

	Annual Production (# of Fish/year)				
Analysis Period	**Eggs**	**Fry**	**Pre-Smolt**	**Immature-Smolt**	**Juvenile (Pre & Immature Smolt)**
Long-term					
Full Simulation Period[1]					
WSIP 2070 Without Project	17,320,979	11,552,665	8,525,730	7,525,505	16,051,235
WSIP 2070 With Project (051617)	17,423,148	11,661,940	8,705,389	7,761,100	16,466,489
Difference	102,170	109,275	179,659	235,595	415,254
Percent Difference[3]	0.6	0.9	2.1	3.1	2.6
Water Year Types[2]					
Wet (31.7%)					
WSIP 2070 Without Project	14,468,941	10,106,996	7,663,658	7,192,368	14,856,026
WSIP 2070 With Project (051617)	14,513,491	10,129,672	7,684,042	7,198,300	14,882,341
Difference	44,550	22,677	20,384	5,932	26,315
Percent Difference	0.3	0.2	0.3	0.1	0.2
Above Normal (13.4%)					
WSIP 2070 Without Project	16,294,129	11,178,837	8,480,413	7,907,833	16,388,246
WSIP 2070 With Project (051617)	16,337,543	11,317,107	8,584,625	7,982,971	16,567,596
Difference	43,414	138,270	104,212	75,138	179,350
Percent Difference	0.3	1.2	1.2	1.0	1.1
Below Normal (15.9%)					
WSIP 2070 Without Project	18,895,626	12,234,839	9,314,698	8,424,622	17,739,320
WSIP 2070 With Project (051617)	18,947,648	12,288,131	9,362,074	8,499,441	17,861,515
Difference	52,022	53,292	47,376	74,820	122,195
Percent Difference	0.3	0.4	0.5	0.9	0.7
Dry (24.4%)					
WSIP 2070 Without Project	19,144,710	12,450,690	9,486,442	8,391,552	17,877,994
WSIP 2070 With Project (051617)	19,319,273	12,643,389	9,634,702	8,561,417	18,196,119
Difference	174,564	192,698	148,259	169,866	318,125
Percent Difference	0.9	1.5	1.6	2.0	1.8
Critical (14.6%)					
WSIP 2070 Without Project	19,525,110	12,729,589	7,971,637	5,543,102	13,514,739
WSIP 2070 With Project (051617)	19,729,859	12,926,357	8,748,617	6,680,369	15,428,985
Difference	204,749	196,769	776,980	1,137,267	1,914,247
Percent Difference	1.0	1.5	9.7	20.5	14.2

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

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Figure AQ-02-8b

Annual Potential Production for LateFall-Run Chinook Salmon

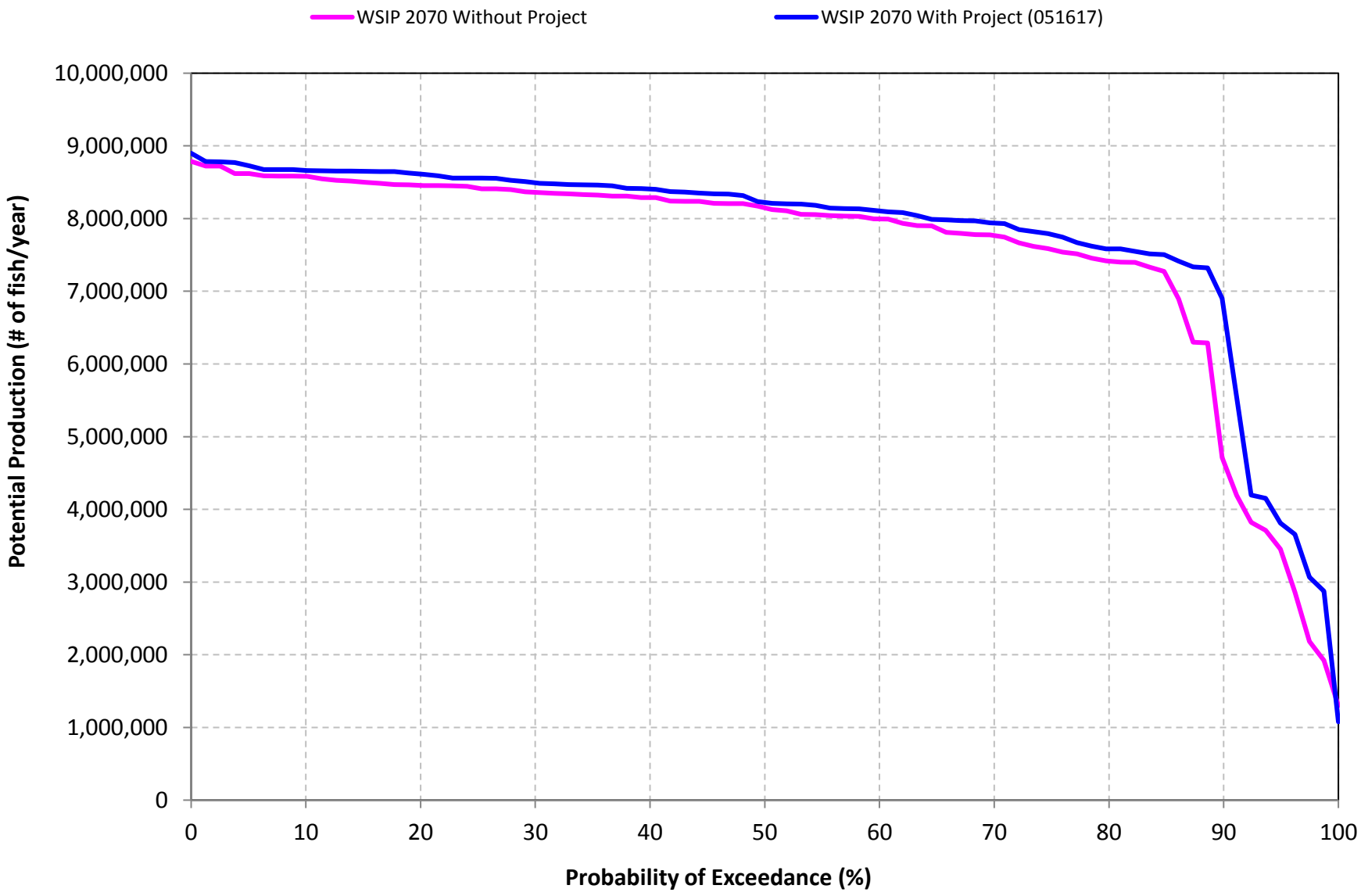

Table AQ-02-8d-1

Annual Potential Production for Spring-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

Analysis Period	Annual Potential Production (# of Fish/year)
Long-term	
Full Simulation Period[1]	
WSIP 2070 Without Project	688,048
WSIP 2070 With Project (051617)	735,116
Difference	47,068
Percent Difference[3]	6.8
Water Year Types[2]	
Wet (31.7%)	
WSIP 2070 Without Project	841,504
WSIP 2070 With Project (051617)	880,853
Difference	39,348
Percent Difference	4.7
Above Normal (13.4%)	
WSIP 2070 Without Project	940,188
WSIP 2070 With Project (051617)	940,334
Difference	145
Percent Difference	0.0
Below Normal (15.9%)	
WSIP 2070 Without Project	824,432
WSIP 2070 With Project (051617)	893,867
Difference	69,435
Percent Difference	8.4
Dry (24.4%)	
WSIP 2070 Without Project	661,298
WSIP 2070 With Project (051617)	730,899
Difference	69,601
Percent Difference	10.5
Critical (14.6%)	
WSIP 2070 Without Project	53,644
WSIP 2070 With Project (051617)	96,619
Difference	42,975
Percent Difference	80.1

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

Table AQ-02-8d-2

Annual Production of Listed Life-stages for Spring-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

Analysis Period	Annual Production (# of Fish/year)				
	Eggs	Fry	Pre-Smolt	Immature-Smolt	Juvenile (Pre & Immature Smolt)
Long-term					
Full Simulation Period[1]					
WSIP 2070 Without Project	1,100,788	934,223	695,287	688,048	1,383,336
WSIP 2070 With Project (051617)	1,172,288	995,815	742,841	735,116	1,477,957
Difference	71,500	61,592	47,554	47,068	94,622
Percent Difference[3]	6.5	6.6	6.8	6.8	6.8
Water Year Types[2]					
Wet (31.7%)					
WSIP 2070 Without Project	1,337,752	1,135,643	848,268	841,504	1,689,772
WSIP 2070 With Project (051617)	1,398,534	1,186,464	887,857	880,853	1,768,710
Difference	60,782	50,822	39,590	39,348	78,938
Percent Difference	4.5	4.5	4.7	4.7	4.7
Above Normal (13.4%)					
WSIP 2070 Without Project	1,492,664	1,266,374	949,214	940,188	1,889,403
WSIP 2070 With Project (051617)	1,491,883	1,268,031	950,507	940,334	1,890,841
Difference	-781	1,657	1,293	145	1,438
Percent Difference	-0.1	0.1	0.1	0.0	0.1
Below Normal (15.9%)					
WSIP 2070 Without Project	1,330,477	1,127,004	833,056	824,432	1,657,488
WSIP 2070 With Project (051617)	1,431,812	1,216,078	902,685	893,867	1,796,553
Difference	101,335	89,074	69,629	69,435	139,065
Percent Difference	7.6	7.9	8.4	8.4	8.4
Dry (24.4%)					
WSIP 2070 Without Project	1,067,309	906,233	670,389	661,298	1,331,687
WSIP 2070 With Project (051617)	1,172,648	996,742	740,234	730,899	1,471,133
Difference	105,338	90,509	69,846	69,601	139,446
Percent Difference	9.9	10.0	10.4	10.5	10.5
Critical (14.6%)					
WSIP 2070 Without Project	86,911	74,891	55,953	53,644	109,597
WSIP 2070 With Project (051617)	155,637	134,086	100,084	96,619	196,703
Difference	68,725	59,195	44,131	42,975	87,106
Percent Difference	79.1	79.0	78.9	80.1	79.5

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

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Figure AQ-02-8d

Annual Potential Production for Spring-Run Chinook Salmon

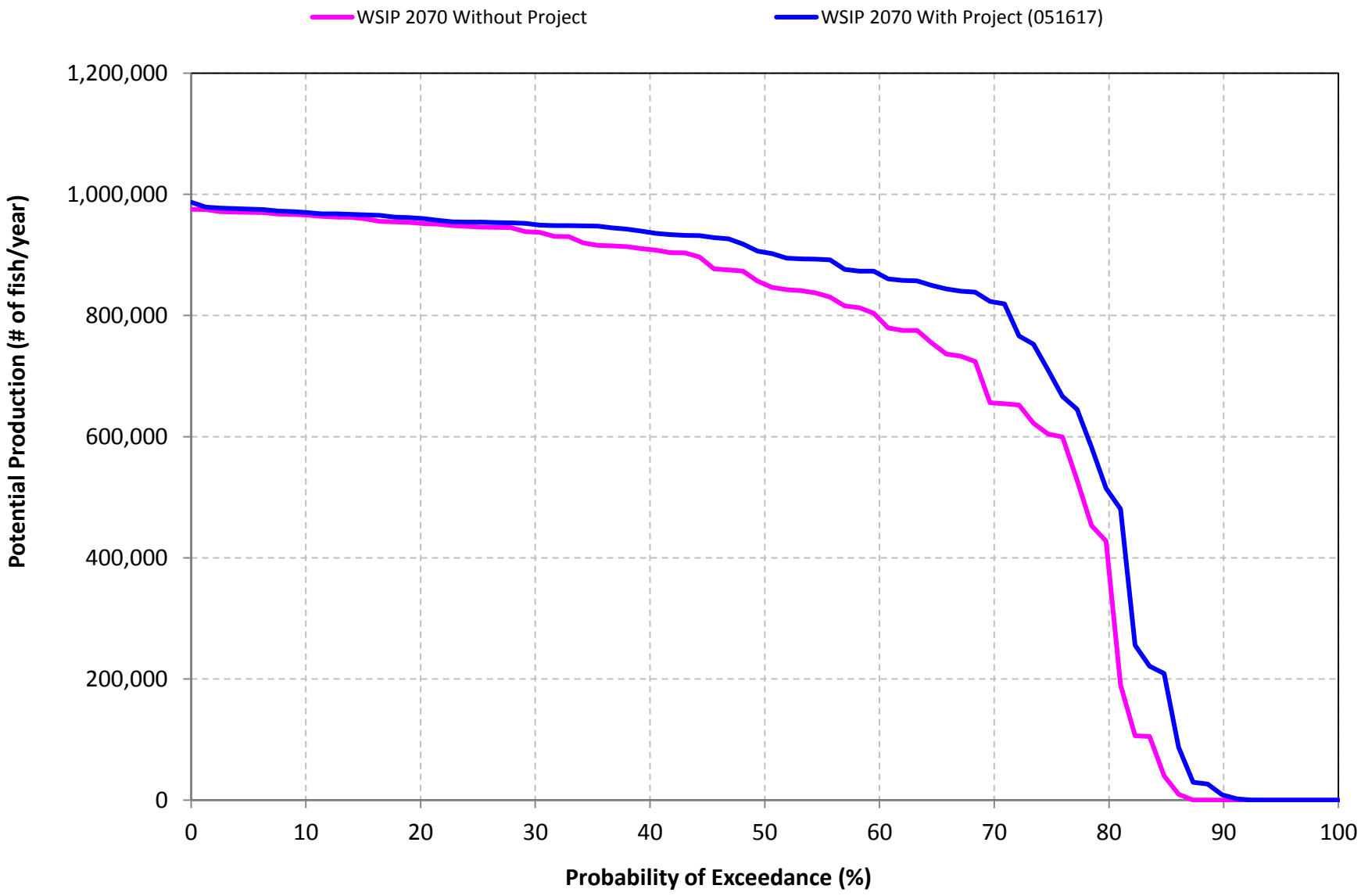

Table AQ-02-8c-1

Annual Potential Production for Winter-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

Analysis Period	Annual Potential Production (# of Fish/year)
Long-term	
Full Simulation Period[1]	
WSIP 2070 Without Project	3,711,513
WSIP 2070 With Project (051617)	3,795,947
Difference	84,433
Percent Difference[3]	2.3
Water Year Types[2]	
Wet (31.7%)	
WSIP 2070 Without Project	3,797,785
WSIP 2070 With Project (051617)	3,811,750
Difference	13,965
Percent Difference	0.4
Above Normal (13.4%)	
WSIP 2070 Without Project	3,975,686
WSIP 2070 With Project (051617)	3,944,356
Difference	-31,330
Percent Difference	-0.8
Below Normal (15.9%)	
WSIP 2070 Without Project	4,138,983
WSIP 2070 With Project (051617)	4,045,042
Difference	-93,942
Percent Difference	-2.3
Dry (24.4%)	
WSIP 2070 Without Project	4,069,620
WSIP 2070 With Project (051617)	4,057,150
Difference	-12,471
Percent Difference	-0.3
Critical (14.6%)	
WSIP 2070 Without Project	2,280,132
WSIP 2070 With Project (051617)	2,953,599
Difference	673,467
Percent Difference	29.5

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

Table AQ-02-8c-2

Annual Production of Listed Life-stages for Winter-Run Chinook Salmon

Long-term Average and Average by Water Year Type Annual Production

Analysis Period	Annual Production (# of Fish/year)				
	Eggs	Fry	Pre-Smolt	Immature-Smolt	Juvenile (Pre & Immature Smolt)
Long-term					
Full Simulation Period[1]					
WSIP 2070 Without Project	7,093,004	5,269,738	3,920,296	3,711,513	7,631,810
WSIP 2070 With Project (051617)	7,240,949	5,346,659	4,013,690	3,795,947	7,809,637
Difference	147,945	76,921	93,394	84,433	177,827
Percent Difference[3]	2.1	1.5	2.4	2.3	2.3
Water Year Types[2]					
Wet (31.7%)					
WSIP 2070 Without Project	7,236,467	5,199,552	3,948,294	3,797,785	7,746,079
WSIP 2070 With Project (051617)	7,313,715	5,230,802	3,966,296	3,811,750	7,778,046
Difference	77,248	31,250	18,002	13,965	31,967
Percent Difference	1.1	0.6	0.5	0.4	0.4
Above Normal (13.4%)					
WSIP 2070 Without Project	7,293,631	5,461,924	4,147,176	3,975,686	8,122,862
WSIP 2070 With Project (051617)	7,290,566	5,428,131	4,119,775	3,944,356	8,064,131
Difference	-3,066	-33,794	-27,401	-31,330	-58,731
Percent Difference	0.0	-0.6	-0.7	-0.8	-0.7
Below Normal (15.9%)					
WSIP 2070 Without Project	7,284,193	5,730,207	4,366,245	4,138,983	8,505,228
WSIP 2070 With Project (051617)	7,402,222	5,602,119	4,269,847	4,045,042	8,314,888
Difference	118,029	-128,088	-96,398	-93,942	-190,340
Percent Difference	1.6	-2.2	-2.2	-2.3	-2.2
Dry (24.4%)					
WSIP 2070 Without Project	7,426,183	5,704,789	4,356,553	4,069,620	8,426,173
WSIP 2070 With Project (051617)	7,502,088	5,660,478	4,341,637	4,057,150	8,398,786
Difference	75,905	-44,312	-14,916	-12,471	-27,387
Percent Difference	1.0	-0.8	-0.3	-0.3	-0.3
Critical (14.6%)					
WSIP 2070 Without Project	5,868,493	4,076,098	2,497,526	2,280,132	4,777,658
WSIP 2070 With Project (051617)	6,445,439	4,751,297	3,225,237	2,953,599	6,178,836
Difference	576,946	675,200	727,711	673,467	1,401,178
Percent Difference	9.8	16.6	29.1	29.5	29.3

1 Based on the 80-year simulation period

2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB 1995). Water years may not correspond to the biological years in SALMOD.

3 Relative difference of the annual average

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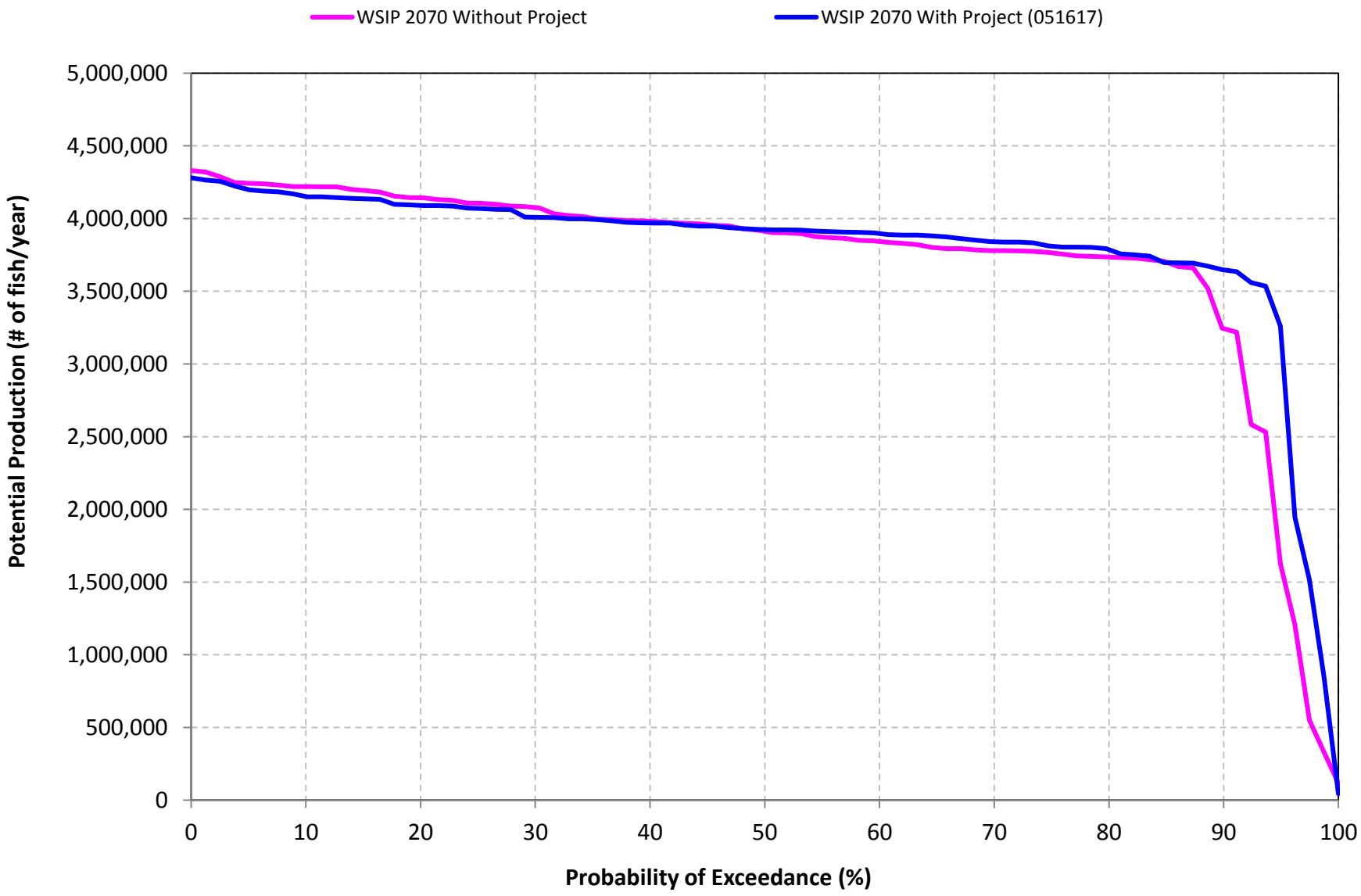
Figure AQ-02-8c

Annual Potential Production for Winter-Run Chinook Salmon



River Temperature Modeling

Summary Tables and Bar Charts

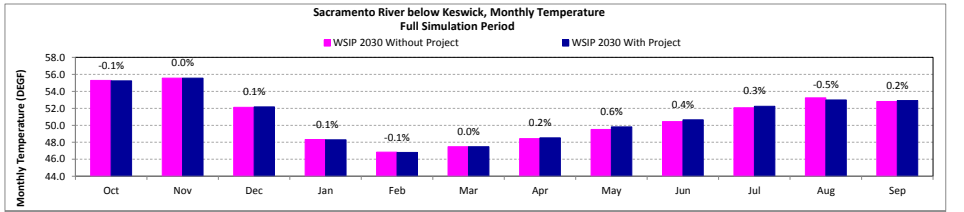
Table SQ2-1a
Sacramento River below Keswick, Monthly Temperature
Long-term Average and Average by Water Year Type

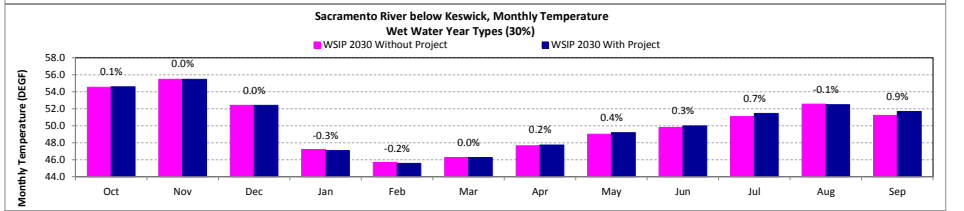
Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	55.3	55.5	52.1	48.3	46.8	47.5	48.4	49.5	50.4	52.1	53.2	52.8
WSIP 2030 With Project	55.2	55.5	52.2	48.3	46.8	47.5	48.5	49.8	50.6	52.2	53.0	52.9
Difference	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.2	-0.2	0.1
Percent Difference[3]	-0.1%	0.0%	0.1%	-0.1%	-0.1%	0.0%	0.2%	0.6%	0.4%	0.3%	-0.5%	0.2%
Water Year Types[2]												
Wet (30%)												
WSIP 2030 Without Project	54.5	55.5	52.4	47.2	45.7	46.3	47.6	49.0	49.8	51.1	52.5	51.2
WSIP 2030 With Project	54.6	55.5	52.4	47.1	45.6	46.3	47.7	49.2	50.0	51.5	52.5	51.7
Difference	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	0.2	0.2	0.4	-0.1	0.5
Percent Difference	0.1%	0.0%	0.0%	-0.3%	-0.2%	0.0%	0.2%	0.4%	0.3%	0.7%	-0.1%	0.9%
Above Normal (15%)												
WSIP 2030 Without Project	54.5	55.3	52.2	48.3	46.7	47.1	48.4	49.5	49.8	51.3	52.3	51.7
WSIP 2030 With Project	54.4	55.2	52.0	48.3	46.6	47.1	48.5	49.7	50.1	51.3	52.1	52.1
Difference	-0.1	0.0	-0.1	0.0	-0.1	0.0	0.1	0.3	0.3	0.1	-0.2	0.4
Percent Difference	-0.2%	-0.1%	-0.3%	0.0%	-0.1%	-0.1%	0.2%	0.5%	0.5%	0.2%	-0.4%	0.8%
Below Normal (21%)												
WSIP 2030 Without Project	54.9	55.2	52.0	48.7	47.0	47.9	48.6	49.5	50.2	51.8	53.0	52.5
WSIP 2030 With Project	55.0	55.2	52.0	48.7	47.0	47.9	48.6	49.7	50.5	52.1	52.8	52.7
Difference	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	-0.2	0.2
Percent Difference	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.5%	0.5%	0.5%	-0.3%	0.3%
Dry (20%)												
WSIP 2030 Without Project	55.2	55.5	51.5	49.0	47.5	48.0	48.8	49.7	50.7	52.7	53.6	53.5
WSIP 2030 With Project	55.3	55.5	51.6	48.9	47.5	48.1	48.8	49.9	51.1	52.8	53.3	53.4
Difference	0.1	0.0	0.1	-0.1	-0.1	0.1	0.0	0.2	0.3	0.1	-0.3	-0.1
Percent Difference	0.2%	0.0%	0.1%	-0.2%	-0.1%	0.1%	0.1%	0.4%	0.7%	0.3%	-0.5%	-0.1%
Critical (15%)												
WSIP 2030 Without Project	58.2	56.5	52.4	49.4	48.3	49.1	49.5	50.5	52.3	54.5	55.4	56.8
WSIP 2030 With Project	57.7	56.5	52.8	49.5	48.4	49.1	49.8	51.2	52.3	54.2	54.7	55.9
Difference	-0.5	-0.1	0.4	0.1	0.1	0.0	0.3	0.7	0.0	-0.3	-0.7	-0.8
Percent Difference	-0.9%	-0.1%	0.7%	0.2%	0.3%	0.0%	0.6%	1.4%	0.0%	-0.5%	-1.3%	-1.5%

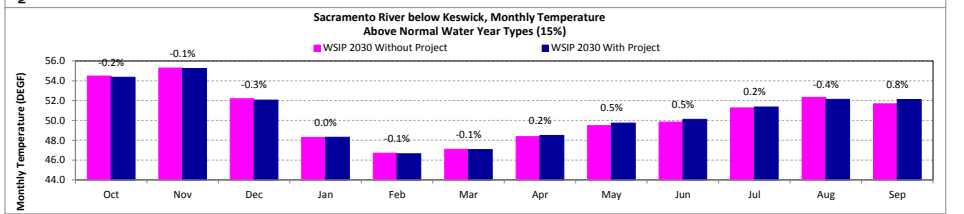
1 Based on the 82-year simulation period

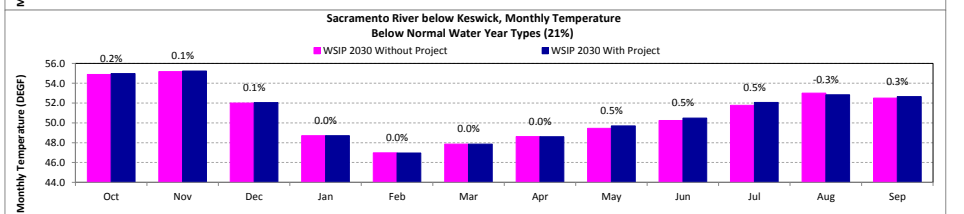
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

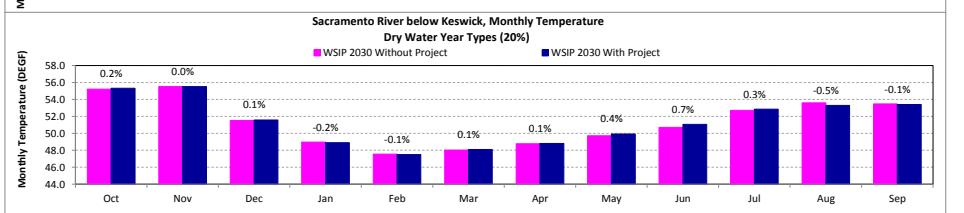
3 Relative difference of the monthly average











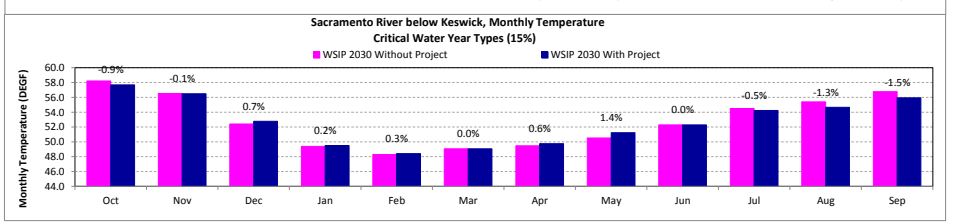


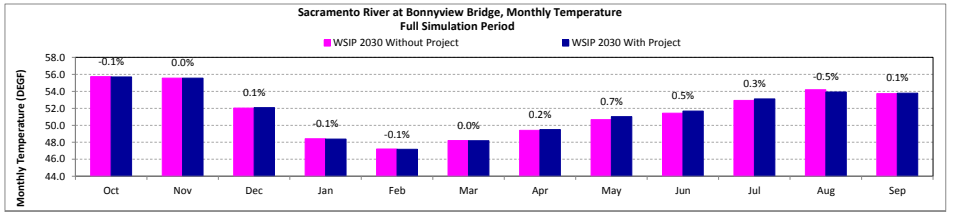
Table SQ3-1a
Sacramento River at Bonnyview Bridge, Monthly Temperature
Long-term Average and Average by Water Year Type

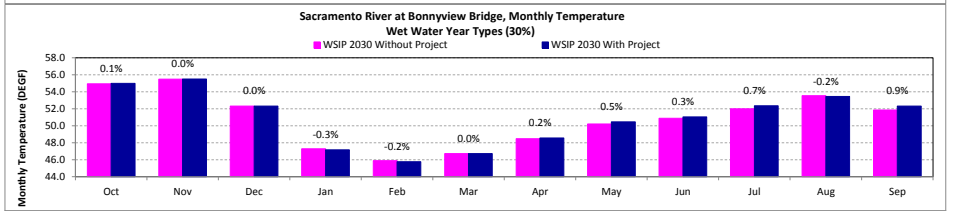
Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	55.7	55.6	52.0	48.4	47.2	48.2	49.4	50.7	51.4	52.9	54.2	53.7
WSIP 2030 With Project	55.7	55.6	52.1	48.4	47.2	48.2	49.5	51.0	51.7	53.1	53.9	53.8
Difference	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.4	0.2	0.2	-0.3	0.0
Percent Difference[3]	-0.1%	0.0%	0.1%	-0.1%	-0.1%	0.0%	0.2%	0.7%	0.5%	0.3%	-0.5%	0.1%
Water Year Types[2]												
Wet (30%)												
WSIP 2030 Without Project	54.9	55.5	52.3	47.3	45.9	46.7	48.5	50.2	50.9	52.0	53.5	51.8
WSIP 2030 With Project	55.0	55.5	52.3	47.2	45.8	46.7	48.6	50.4	51.0	52.4	53.4	52.3
Difference	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	0.2	0.1	0.4	-0.1	0.5
Percent Difference	0.1%	0.0%	0.0%	-0.3%	-0.2%	0.0%	0.2%	0.5%	0.3%	0.7%	-0.2%	0.9%
Above Normal (15%)												
WSIP 2030 Without Project	54.9	55.3	52.1	48.4	47.0	47.6	49.4	50.6	50.8	52.1	53.2	52.5
WSIP 2030 With Project	54.8	55.2	52.0	48.4	46.9	47.6	49.5	51.0	51.2	52.2	53.1	52.9
Difference	-0.1	0.0	-0.1	0.0	-0.1	-0.1	0.1	0.3	0.4	0.1	-0.2	0.5
Percent Difference	-0.2%	-0.1%	-0.2%	0.0%	-0.2%	-0.1%	0.3%	0.7%	0.8%	0.2%	-0.3%	0.9%
Below Normal (21%)												
WSIP 2030 Without Project	55.4	55.2	51.9	48.8	47.4	48.8	49.7	50.5	51.2	52.6	53.9	53.6
WSIP 2030 With Project	55.5	55.2	51.9	48.8	47.4	48.8	49.6	50.8	51.5	52.9	53.8	53.6
Difference	0.1	0.1	0.1	0.0	0.0	0.0	-0.1	0.3	0.3	0.3	-0.2	0.0
Percent Difference	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	-0.1%	0.6%	0.6%	0.5%	-0.3%	0.1%
Dry (20%)												
WSIP 2030 Without Project	55.7	55.5	51.5	49.0	48.0	48.9	49.8	50.8	51.7	53.6	54.6	54.7
WSIP 2030 With Project	55.8	55.5	51.5	48.9	47.9	49.0	49.8	51.1	52.0	53.7	54.2	54.5
Difference	0.1	0.0	0.1	-0.1	-0.1	0.0	0.0	0.3	0.4	0.1	-0.4	-0.2
Percent Difference	0.2%	0.0%	0.1%	-0.2%	-0.1%	0.1%	0.1%	0.5%	0.7%	0.3%	-0.6%	-0.4%
Critical (15%)												
WSIP 2030 Without Project	58.7	56.5	52.3	49.5	48.8	50.0	50.4	51.6	53.2	55.4	56.4	57.9
WSIP 2030 With Project	58.2	56.5	52.6	49.6	48.9	50.0	50.8	52.5	53.3	55.1	55.6	57.0
Difference	-0.5	-0.1	0.3	0.1	0.1	0.0	0.3	0.8	0.0	-0.2	-0.8	-0.9
Percent Difference	-0.8%	-0.1%	0.6%	0.2%	0.2%	0.0%	0.6%	1.6%	0.1%	-0.4%	-1.3%	-1.6%

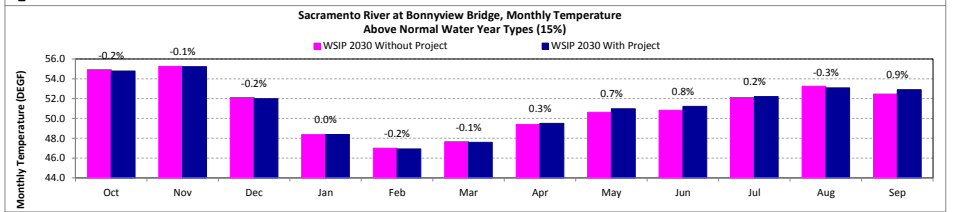
1 Based on the 82-year simulation period

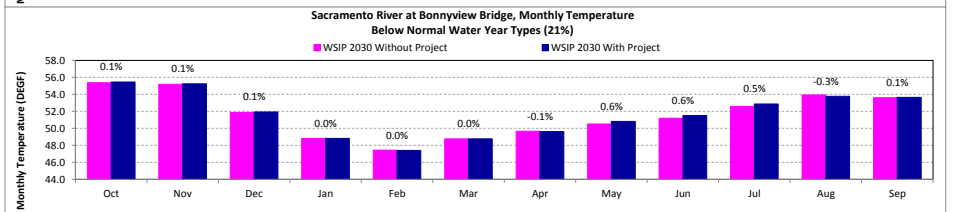
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

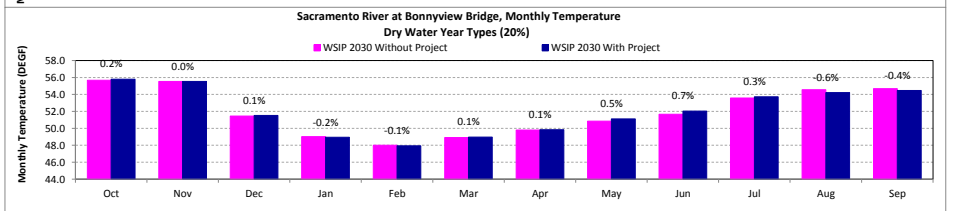
3 Relative difference of the monthly average











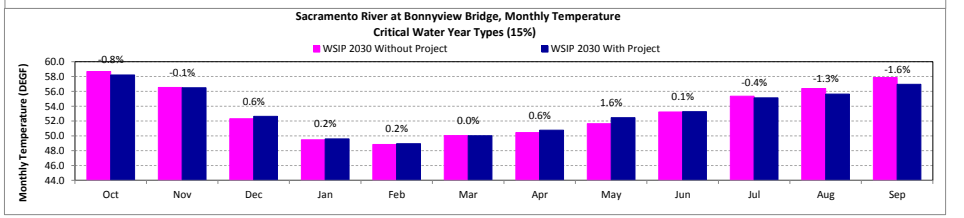


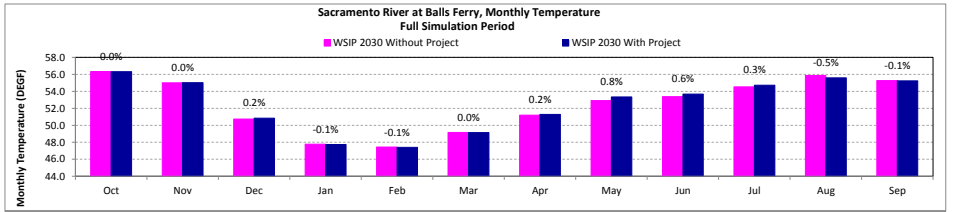
Table SQ4-1a
Sacramento River at Balls Ferry, Monthly Temperature
Long-term Average and Average by Water Year Type

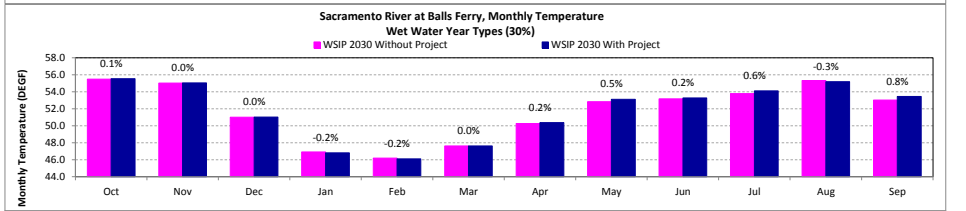
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Temperature (DEGF)											
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	56.3	55.0	50.7	47.8	47.4	49.2	51.2	52.9	53.4	54.5	55.9	55.3
WSIP 2030 With Project	56.3	55.0	50.8	47.7	47.4	49.1	51.3	53.3	53.7	54.7	55.6	55.2
Difference	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.4	0.3	0.2	-0.3	0.0
Percent Difference[3]	0.0%	0.0%	0.2%	-0.1%	-0.1%	0.0%	0.2%	0.8%	0.6%	0.3%	-0.5%	-0.1%
Water Year Types[2]												
Wet (30%)												
WSIP 2030 Without Project	55.5	55.0	51.0	46.9	46.2	47.6	50.3	52.8	53.2	53.8	55.3	53.0
WSIP 2030 With Project	55.5	55.0	51.0	46.8	46.1	47.6	50.4	53.1	53.3	54.1	55.2	53.5
Difference	0.1	0.0	0.0	-0.1	-0.1	0.0	0.1	0.3	0.1	0.3	-0.1	0.4
Percent Difference	0.1%	0.0%	0.0%	-0.2%	-0.2%	0.0%	0.2%	0.5%	0.2%	0.6%	-0.3%	0.8%
Above Normal (15%)												
WSIP 2030 Without Project	55.5	54.8	50.8	47.5	47.1	48.5	51.3	52.9	52.9	53.7	54.9	53.8
WSIP 2030 With Project	55.4	54.8	50.9	47.4	47.0	48.4	51.4	53.4	53.5	53.8	54.8	54.3
Difference	-0.1	0.0	0.1	0.0	-0.1	-0.1	0.1	0.4	0.6	0.1	-0.1	0.5
Percent Difference	-0.3%	0.0%	0.3%	-0.1%	-0.2%	-0.2%	0.3%	0.8%	1.1%	0.2%	-0.2%	0.9%
Below Normal (21%)												
WSIP 2030 Without Project	56.1	54.6	50.7	48.0	47.7	49.8	51.6	52.6	53.0	54.1	55.5	55.4
WSIP 2030 With Project	56.1	54.7	50.8	48.0	47.7	49.8	51.4	53.0	53.4	54.4	55.4	55.3
Difference	0.0	0.1	0.1	0.0	0.0	0.0	-0.1	0.4	0.4	0.3	-0.2	-0.1
Percent Difference	0.1%	0.2%	0.2%	0.0%	0.0%	0.0%	-0.2%	0.7%	0.8%	0.5%	-0.3%	-0.2%
Dry (20%)												
WSIP 2030 Without Project	56.3	54.8	50.3	48.2	48.1	49.9	51.6	52.8	53.4	55.1	56.2	56.6
WSIP 2030 With Project	56.5	54.9	50.4	48.2	48.0	50.0	51.7	53.2	53.8	55.2	55.8	56.2
Difference	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.4	0.4	0.1	-0.4	-0.4
Percent Difference	0.3%	0.1%	0.1%	0.0%	-0.1%	0.0%	0.1%	0.7%	0.8%	0.3%	-0.8%	-0.7%
Critical (15%)												
WSIP 2030 Without Project	59.2	56.0	50.7	48.9	49.2	51.1	52.0	53.6	54.8	56.8	58.0	59.5
WSIP 2030 With Project	58.8	55.9	51.0	49.0	49.2	51.1	52.3	54.5	54.9	56.7	57.3	58.6
Difference	-0.4	-0.1	0.2	0.1	0.1	0.0	0.4	0.9	0.1	-0.1	-0.8	-1.0
Percent Difference	-0.6%	-0.1%	0.4%	0.2%	0.1%	0.0%	0.7%	1.7%	0.2%	-0.3%	-1.3%	-1.6%

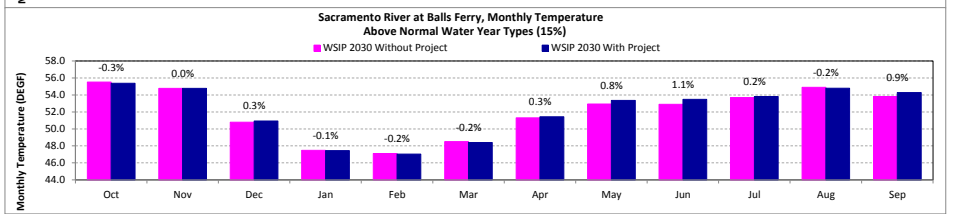
1 Based on the 82-year simulation period

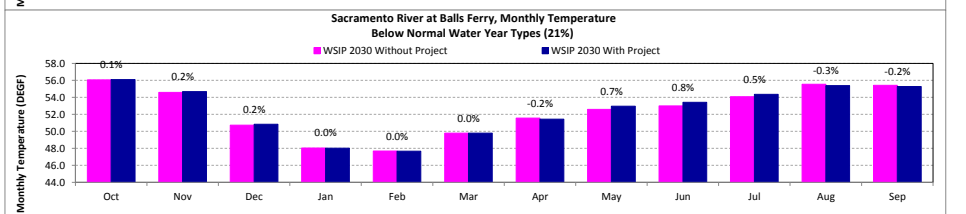
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

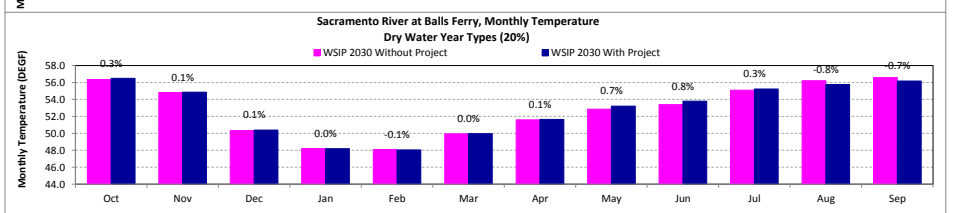
3 Relative difference of the monthly average











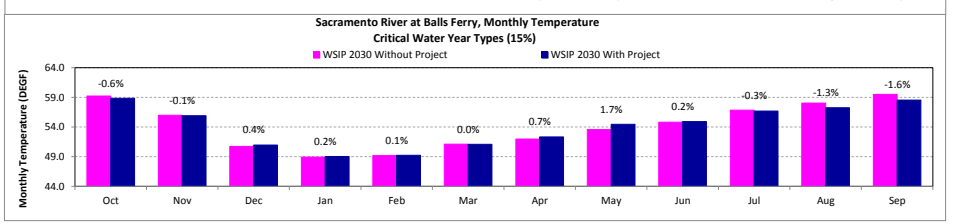


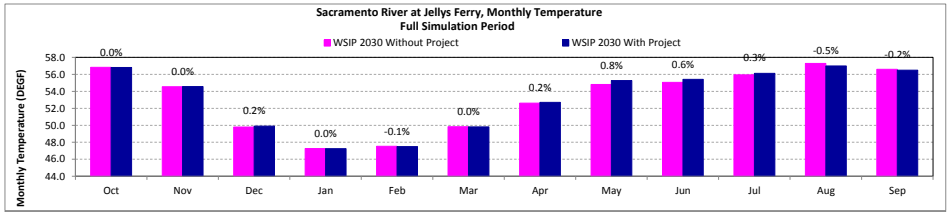
Table SQ5-1a
Sacramento River at Jellys Ferry, Monthly Temperature
Long-term Average and Average by Water Year Type

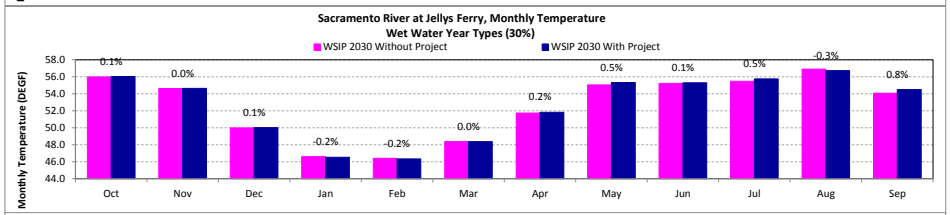
Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	56.8	54.5	49.8	47.3	47.5	49.8	52.6	54.8	55.1	55.9	57.3	56.6
WSIP 2030 With Project	56.8	54.6	49.9	47.2	47.5	49.8	52.7	55.3	55.4	56.1	57.0	56.5
Difference	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.5	0.3	0.2	-0.3	-0.1
Percent Difference[3]	0.0%	0.0%	0.2%	0.0%	-0.1%	0.0%	0.2%	0.8%	0.6%	0.3%	-0.5%	-0.2%
Water Year Types[2]												
Wet (30%)												
WSIP 2030 Without Project	56.0	54.6	50.0	46.6	46.4	48.4	51.7	55.0	55.2	55.5	56.9	54.1
WSIP 2030 With Project	56.0	54.6	50.0	46.5	46.3	48.4	51.8	55.3	55.3	55.8	56.7	54.5
Difference	0.1	0.0	0.0	-0.1	-0.1	0.0	0.1	0.3	0.1	0.3	-0.2	0.4
Percent Difference	0.1%	0.0%	0.1%	-0.2%	-0.2%	0.0%	0.2%	0.5%	0.1%	0.5%	-0.3%	0.8%
Above Normal (15%)												
WSIP 2030 Without Project	56.0	54.4	49.9	46.9	47.1	49.2	52.8	54.9	54.7	55.1	56.3	55.0
WSIP 2030 With Project	55.9	54.4	50.2	46.9	47.1	49.1	52.9	55.4	55.4	55.3	56.2	55.5
Difference	-0.1	0.0	0.2	0.0	-0.1	-0.1	0.1	0.5	0.7	0.1	0.0	0.5
Percent Difference	-0.3%	0.0%	0.5%	-0.1%	-0.1%	-0.2%	0.2%	0.9%	1.4%	0.2%	-0.1%	0.9%
Below Normal (21%)												
WSIP 2030 Without Project	56.6	54.1	49.8	47.4	47.8	50.5	53.0	54.4	54.6	55.3	56.9	57.0
WSIP 2030 With Project	56.6	54.2	50.0	47.4	47.7	50.5	52.9	54.8	55.1	55.6	56.7	56.7
Difference	0.0	0.1	0.2	0.0	0.0	0.0	-0.1	0.4	0.5	0.3	-0.1	-0.3
Percent Difference	0.0%	0.2%	0.3%	0.0%	0.0%	0.0%	-0.2%	0.7%	1.0%	0.5%	-0.2%	-0.5%
Dry (20%)												
WSIP 2030 Without Project	56.8	54.3	49.4	47.6	48.0	50.6	53.0	54.5	54.8	56.3	57.5	58.1
WSIP 2030 With Project	57.0	54.4	49.5	47.6	48.0	50.5	53.1	55.0	55.3	56.5	57.0	57.6
Difference	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.4	0.4	0.2	-0.5	-0.5
Percent Difference	0.3%	0.1%	0.1%	0.0%	-0.1%	0.0%	0.1%	0.8%	0.8%	0.3%	-0.9%	-0.9%
Critical (15%)												
WSIP 2030 Without Project	59.6	55.4	49.8	48.3	49.3	51.7	53.2	55.2	56.1	58.0	59.3	60.8
WSIP 2030 With Project	59.3	55.3	49.9	48.4	49.3	51.7	53.6	56.1	56.3	58.0	58.6	59.8
Difference	-0.3	-0.1	0.1	0.1	0.0	0.0	0.4	0.9	0.1	-0.1	-0.8	-1.0
Percent Difference	-0.5%	-0.1%	0.3%	0.2%	0.1%	0.0%	0.7%	1.7%	0.3%	-0.1%	-1.3%	-1.6%

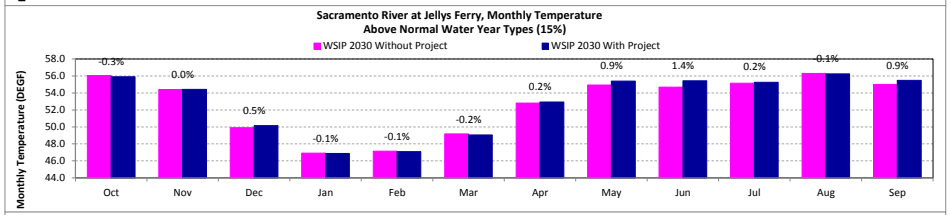
1 Based on the 82-year simulation period

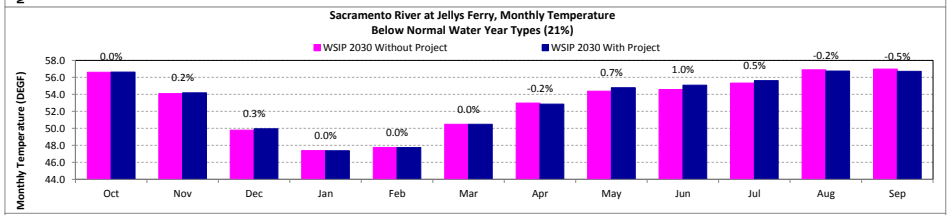
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

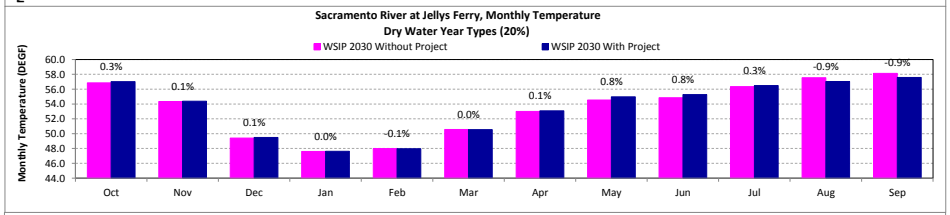
3 Relative difference of the monthly average











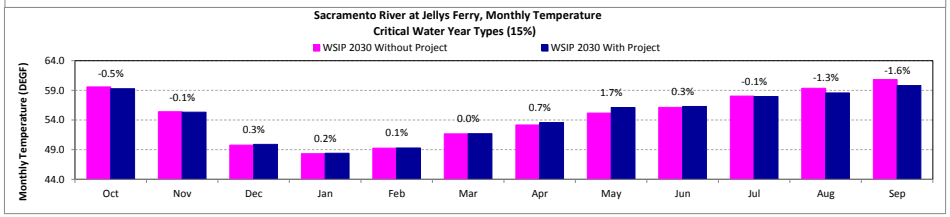


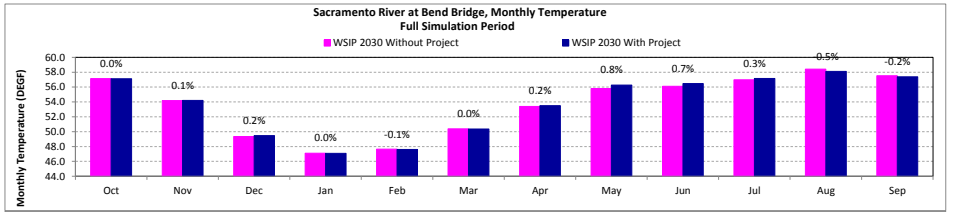
Table SQ6-1a
Sacramento River at Bend Bridge, Monthly Temperature
Long-term Average and Average by Water Year Type

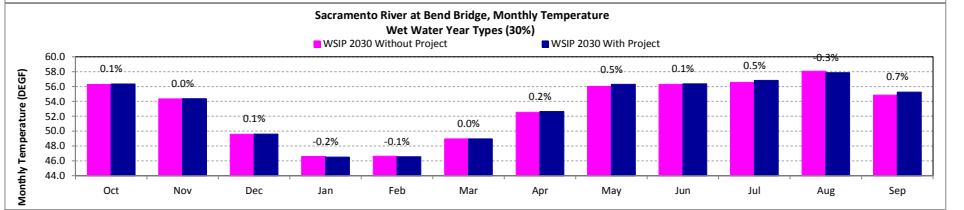
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Temperature (DEGF)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	57.1	54.2	49.3	47.1	47.6	50.4	53.4	55.8	56.1	57.0	58.4	57.5
WSIP 2030 With Project	57.1	54.2	49.5	47.1	47.6	50.4	53.5	56.3	56.5	57.2	58.1	57.4
Difference	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.5	0.4	0.2	-0.3	-0.1
Percent Difference[3]	0.0%	0.1%	0.2%	0.0%	-0.1%	0.0%	0.2%	0.8%	0.7%	0.3%	-0.5%	-0.2%
	Water Year Types[2]											
Wet (30%)												
WSIP 2030 Without Project	56.3	54.3	49.6	46.6	46.6	49.0	52.5	56.0	56.3	56.6	58.1	54.8
WSIP 2030 With Project	56.3	54.4	49.6	46.5	46.5	48.9	52.6	56.3	56.4	56.8	57.9	55.2
Difference	0.1	0.0	0.0	-0.1	-0.1	0.0	0.1	0.3	0.1	0.3	-0.2	0.4
Percent Difference	0.1%	0.0%	0.1%	-0.2%	-0.1%	0.0%	0.2%	0.5%	0.1%	0.5%	-0.3%	0.7%
Above Normal (15%)												
WSIP 2030 Without Project	56.4	54.2	49.5	46.9	47.3	49.7	53.6	55.9	55.7	56.1	57.4	55.9
WSIP 2030 With Project	56.2	54.2	49.8	46.8	47.2	49.6	53.7	56.4	56.5	56.3	57.4	56.4
Difference	-0.1	0.0	0.3	0.0	-0.1	-0.1	0.1	0.5	0.8	0.1	0.0	0.5
Percent Difference	-0.2%	0.1%	0.6%	-0.1%	-0.1%	-0.2%	0.2%	0.9%	1.5%	0.2%	0.0%	0.9%
Below Normal (21%)												
WSIP 2030 Without Project	56.9	53.7	49.3	47.2	47.9	51.0	53.8	55.4	55.6	56.4	58.0	58.1
WSIP 2030 With Project	56.9	53.8	49.5	47.2	47.9	51.0	53.7	55.8	56.2	56.6	57.9	57.8
Difference	0.0	0.1	0.2	0.0	0.0	0.0	-0.1	0.4	0.6	0.3	-0.1	-0.3
Percent Difference	0.0%	0.2%	0.4%	0.0%	0.0%	0.0%	-0.2%	0.7%	1.0%	0.5%	-0.2%	-0.6%
Dry (20%)												
WSIP 2030 Without Project	57.2	53.9	48.9	47.3	48.1	51.1	53.7	55.6	55.9	57.4	58.7	59.3
WSIP 2030 With Project	57.3	54.0	49.0	47.3	48.0	51.1	53.8	56.1	56.3	57.6	58.2	58.7
Difference	0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.5	0.5	0.2	-0.5	-0.6
Percent Difference	0.3%	0.1%	0.1%	0.1%	0.0%	0.0%	0.2%	0.8%	0.8%	0.3%	-0.9%	-1.0%
Critical (15%)												
WSIP 2030 Without Project	59.8	54.8	49.3	48.0	49.3	52.1	53.9	56.1	57.1	59.0	60.3	61.7
WSIP 2030 With Project	59.6	54.8	49.4	48.1	49.3	52.1	54.3	57.1	57.3	59.0	59.6	60.7
Difference	-0.3	-0.1	0.1	0.1	0.0	0.0	0.4	0.9	0.2	0.0	-0.8	-1.0
Percent Difference	-0.4%	-0.1%	0.2%	0.1%	0.0%	0.0%	0.8%	1.7%	0.3%	0.0%	-1.3%	-1.6%

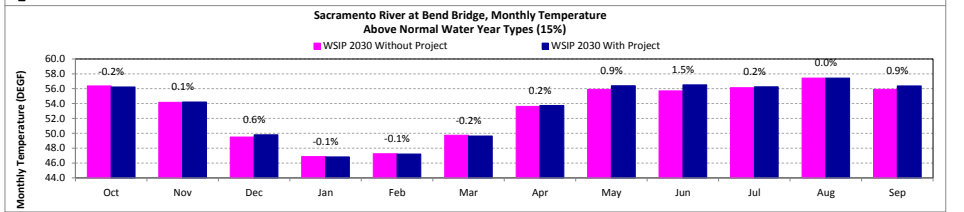
1 Based on the 82-year simulation period

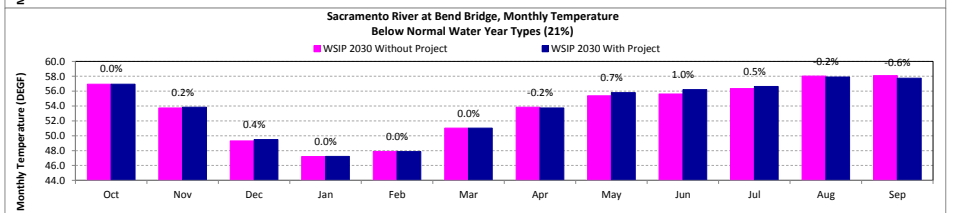
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

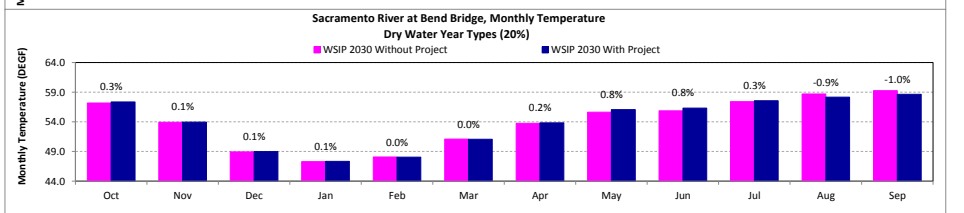
3 Relative difference of the monthly average











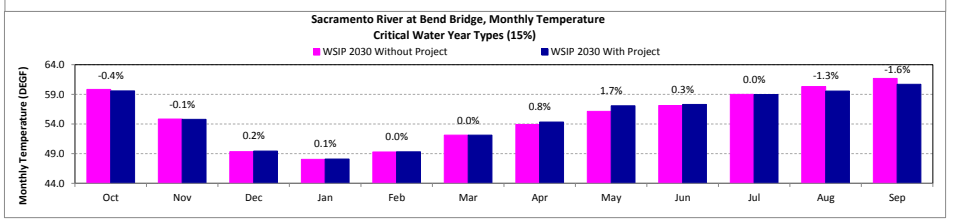


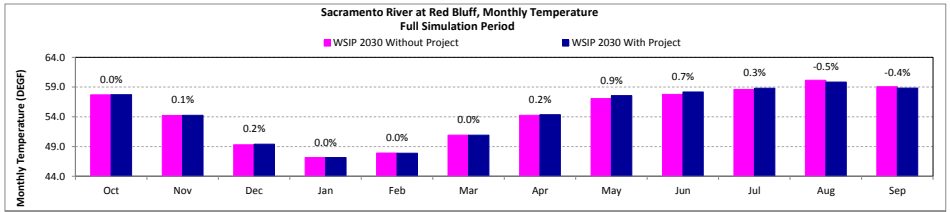
Table SQ7-1a
Sacramento River at Red Bluff, Monthly Temperature
Long-term Average and Average by Water Year Type

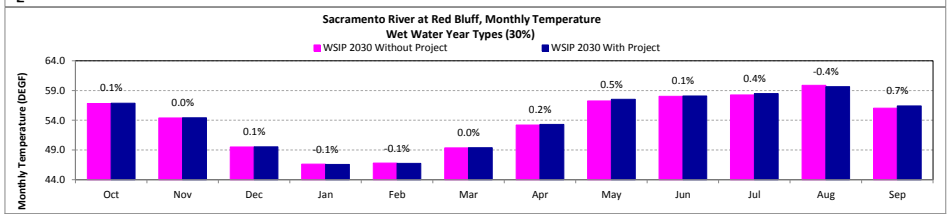
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Temperature (DEGF)											
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	57.7	54.2	49.3	47.1	47.9	50.9	54.2	57.1	57.8	58.6	60.2	59.1
WSIP 2030 With Project	57.7	54.3	49.4	47.1	47.9	50.9	54.4	57.6	58.2	58.8	59.8	58.8
Difference	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.5	0.4	0.2	-0.3	-0.2
Percent Difference[3]	0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.2%	0.9%	0.7%	0.3%	-0.5%	-0.4%
Water Year Types[2]												
Wet (30%)												
WSIP 2030 Without Project	56.8	54.4	49.5	46.6	46.8	49.4	53.2	57.2	58.0	58.3	59.9	56.0
WSIP 2030 With Project	56.9	54.4	49.5	46.6	46.7	49.4	53.3	57.5	58.1	58.5	59.6	56.4
Difference	0.1	0.0	0.0	-0.1	-0.1	0.0	0.1	0.3	0.1	0.2	-0.2	0.4
Percent Difference	0.1%	0.0%	0.1%	-0.1%	-0.1%	0.0%	0.2%	0.5%	0.1%	0.4%	-0.4%	0.7%
Above Normal (15%)												
WSIP 2030 Without Project	56.9	54.1	49.5	46.9	47.5	50.2	54.4	57.2	57.3	57.8	59.1	57.3
WSIP 2030 With Project	56.8	54.2	49.7	46.8	47.4	50.1	54.5	57.7	58.3	57.9	59.2	57.8
Difference	-0.1	0.0	0.3	0.0	0.0	-0.1	0.1	0.5	0.9	0.1	0.0	0.5
Percent Difference	-0.2%	0.1%	0.5%	-0.1%	-0.1%	-0.2%	0.2%	0.9%	1.6%	0.2%	0.1%	0.8%
Below Normal (21%)												
WSIP 2030 Without Project	57.5	53.8	49.2	47.3	48.2	51.6	54.7	56.6	57.3	57.9	59.7	59.8
WSIP 2030 With Project	57.5	53.9	49.4	47.3	48.2	51.6	54.6	57.1	57.9	58.2	59.6	59.3
Difference	0.0	0.1	0.2	0.0	0.0	0.0	-0.1	0.4	0.7	0.3	-0.1	-0.4
Percent Difference	0.0%	0.2%	0.4%	0.0%	0.0%	0.1%	-0.2%	0.8%	1.1%	0.5%	-0.2%	-0.8%
Dry (20%)												
WSIP 2030 Without Project	57.8	54.0	48.9	47.3	48.3	51.7	54.7	56.9	57.5	59.0	60.4	61.1
WSIP 2030 With Project	58.0	54.0	49.0	47.4	48.4	51.7	54.8	57.4	58.0	59.2	59.8	60.4
Difference	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.5	0.2	-0.6	-0.7
Percent Difference	0.3%	0.1%	0.1%	0.1%	0.0%	0.0%	0.2%	0.9%	0.8%	0.3%	-1.0%	-1.2%
Critical (15%)												
WSIP 2030 Without Project	60.4	54.9	49.3	48.1	49.7	52.8	54.9	57.5	58.7	60.6	62.1	63.3
WSIP 2030 With Project	60.2	54.9	49.4	48.2	49.7	52.9	55.4	58.4	58.9	60.7	61.3	62.3
Difference	-0.2	-0.1	0.1	0.1	0.0	0.0	0.4	1.0	0.2	0.1	-0.8	-1.0
Percent Difference	-0.3%	-0.1%	0.2%	0.1%	0.1%	0.1%	0.8%	1.7%	0.4%	0.1%	-1.2%	-1.6%

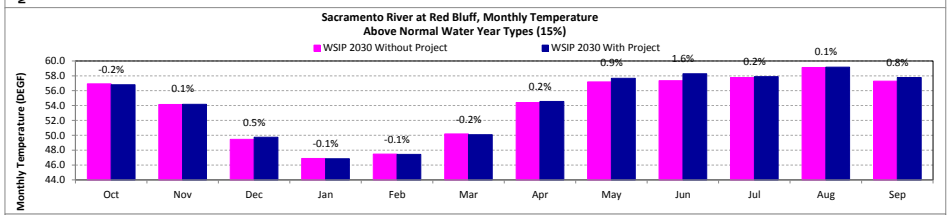
1 Based on the 82-year simulation period

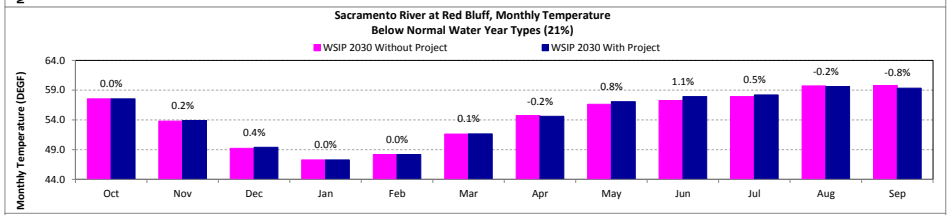
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

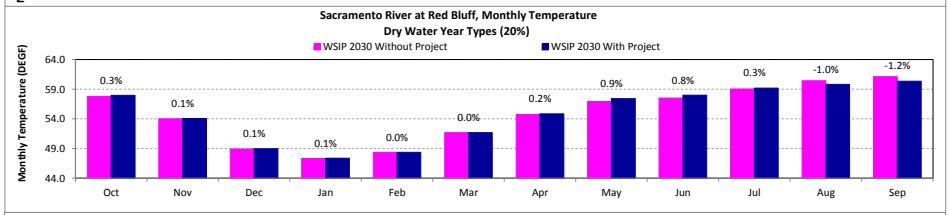
3 Relative difference of the monthly average











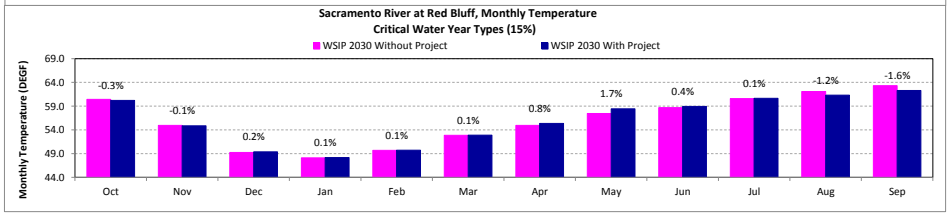


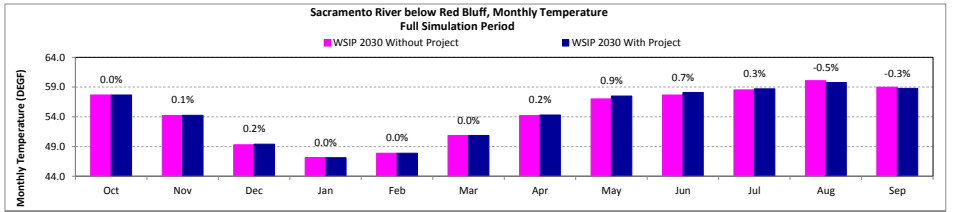
Table SQ8-1a
Sacramento River below Red Bluff, Monthly Temperature
Long-term Average and Average by Water Year Type

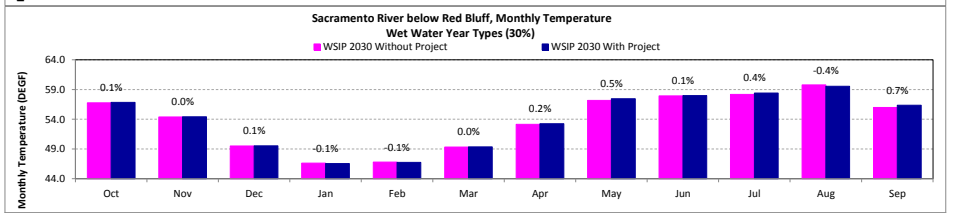
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Temperature (DEGF)											
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	57.7	54.2	49.3	47.1	47.9	50.9	54.2	57.0	57.7	58.5	60.1	59.0
WSIP 2030 With Project	57.7	54.3	49.4	47.1	47.9	50.9	54.3	57.5	58.1	58.7	59.8	58.8
Difference	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.5	0.4	0.2	-0.3	-0.2
Percent Difference[3]	0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.2%	0.9%	0.7%	0.3%	-0.5%	-0.3%
Water Year Types[2]												
Wet (30%)												
WSIP 2030 Without Project	56.8	54.4	49.5	46.6	46.8	49.3	53.1	57.2	57.9	58.2	59.8	56.0
WSIP 2030 With Project	56.8	54.4	49.5	46.5	46.7	49.3	53.2	57.5	58.0	58.4	59.6	56.3
Difference	0.1	0.0	0.0	-0.1	-0.1	0.0	0.1	0.3	0.1	0.2	-0.2	0.4
Percent Difference	0.1%	0.0%	0.1%	-0.1%	-0.1%	0.0%	0.2%	0.5%	0.1%	0.4%	-0.4%	0.7%
Above Normal (15%)												
WSIP 2030 Without Project	56.9	54.1	49.5	46.9	47.5	50.1	54.4	57.1	57.3	57.7	59.1	57.2
WSIP 2030 With Project	56.8	54.2	49.7	46.8	47.4	50.0	54.5	57.6	58.2	57.8	59.1	57.7
Difference	-0.1	0.0	0.3	0.0	0.0	-0.1	0.1	0.5	0.9	0.1	0.0	0.5
Percent Difference	-0.2%	0.1%	0.5%	-0.1%	-0.1%	-0.2%	0.2%	0.9%	1.6%	0.2%	0.1%	0.8%
Below Normal (21%)												
WSIP 2030 Without Project	57.5	53.8	49.2	47.3	48.2	51.6	54.7	56.6	57.2	57.8	59.6	59.7
WSIP 2030 With Project	57.5	53.9	49.4	47.3	48.2	51.6	54.6	57.0	57.8	58.1	59.5	59.3
Difference	0.0	0.1	0.2	0.0	0.0	0.0	-0.1	0.4	0.6	0.3	-0.1	-0.4
Percent Difference	0.0%	0.2%	0.4%	0.0%	0.0%	0.0%	-0.2%	0.8%	1.1%	0.5%	-0.2%	-0.7%
Dry (20%)												
WSIP 2030 Without Project	57.7	54.0	48.9	47.3	48.3	51.6	54.7	56.9	57.4	58.9	60.3	61.0
WSIP 2030 With Project	57.9	54.0	49.0	47.3	48.3	51.6	54.8	57.3	57.9	59.1	59.7	60.3
Difference	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.5	0.2	-0.6	-0.7
Percent Difference	0.3%	0.1%	0.1%	0.1%	0.0%	0.0%	0.2%	0.9%	0.8%	0.3%	-1.0%	-1.2%
Critical (15%)												
WSIP 2030 Without Project	60.4	54.9	49.3	48.1	49.7	52.8	54.9	57.4	58.6	60.5	62.0	63.3
WSIP 2030 With Project	60.2	54.9	49.4	48.1	49.7	52.8	55.3	58.4	58.9	60.6	61.2	62.2
Difference	-0.2	-0.1	0.1	0.1	0.0	0.0	0.4	1.0	0.2	0.1	-0.8	-1.0
Percent Difference	-0.3%	-0.1%	0.2%	0.1%	0.1%	0.1%	0.8%	1.7%	0.4%	0.1%	-1.2%	-1.6%

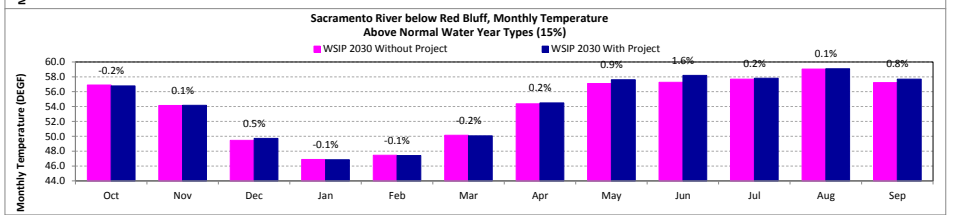
1 Based on the 82-year simulation period

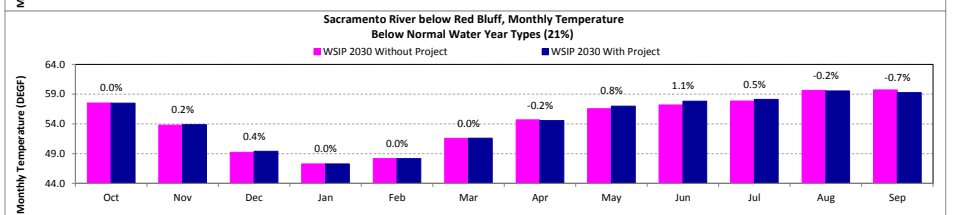
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

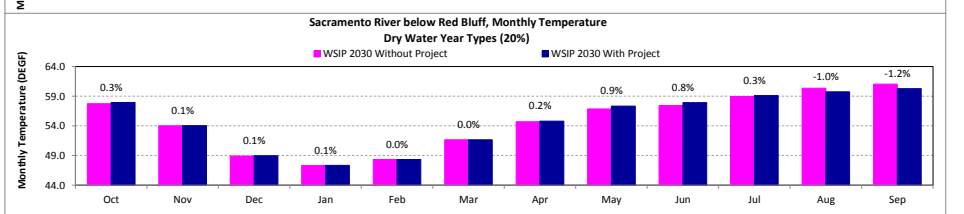
3 Relative difference of the monthly average











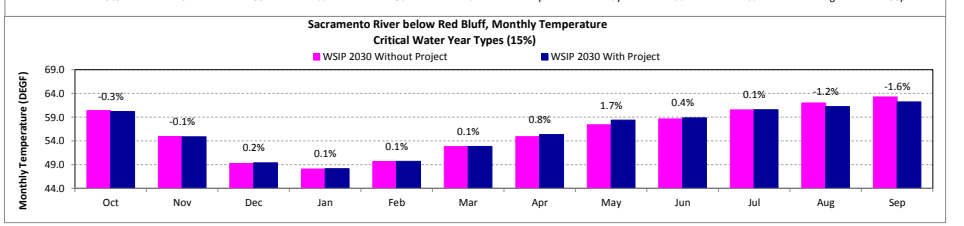


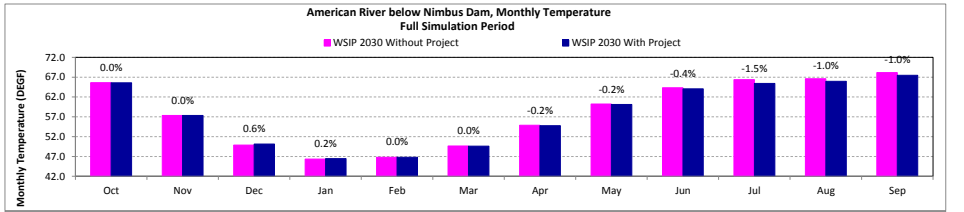
Table SQ9-1a
American River below Nimbus Dam, Monthly Temperature
Long-term Average and Average by Water Year Type

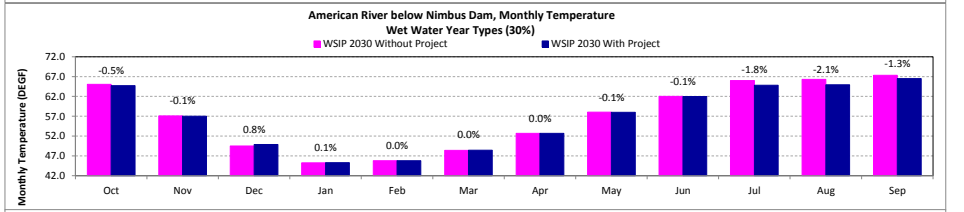
Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	65.6	57.3	49.8	46.3	46.8	49.6	54.9	60.2	64.3	66.4	66.6	68.2
WSIP 2030 With Project	65.6	57.4	50.1	46.4	46.8	49.6	54.8	60.1	64.1	65.4	66.0	67.5
Difference	0.0	0.0	0.3	0.1	0.0	0.0	-0.1	-0.1	-0.2	-1.0	-0.7	-0.7
Percent Difference[3]	0.0%	0.0%	0.6%	0.2%	0.0%	0.0%	-0.2%	-0.2%	-0.4%	-1.5%	-1.0%	-1.0%
Water Year Types[2]												
Wet (30%)												
WSIP 2030 Without Project	65.1	57.1	49.5	45.2	45.8	48.4	52.7	58.0	62.0	66.0	66.3	67.3
WSIP 2030 With Project	64.7	57.0	49.9	45.3	45.8	48.4	52.7	58.0	62.0	64.8	64.9	66.5
Difference	-0.3	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	-1.2	-1.4	-0.8
Percent Difference	-0.5%	-0.1%	0.8%	0.1%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-1.8%	-2.1%	-1.3%
Above Normal (15%)												
WSIP 2030 Without Project	65.2	56.6	49.9	46.4	46.4	48.7	54.5	60.1	64.8	65.8	66.1	67.6
WSIP 2030 With Project	65.2	56.6	50.3	46.5	46.4	48.7	54.5	60.1	64.4	64.8	65.6	67.0
Difference	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	-0.4	-1.0	-0.5	-0.6
Percent Difference	0.0%	0.0%	0.7%	0.2%	0.1%	0.0%	0.0%	-0.1%	-0.6%	-1.5%	-0.7%	-0.9%
Below Normal (21%)												
WSIP 2030 Without Project	65.5	57.9	50.3	46.6	46.8	49.4	55.6	61.2	65.3	65.5	66.9	68.5
WSIP 2030 With Project	65.6	57.8	50.7	46.7	46.8	49.4	55.6	60.9	64.5	64.6	66.1	67.4
Difference	0.1	-0.1	0.4	0.1	0.0	0.0	0.0	-0.3	-0.8	-0.9	-0.7	-1.1
Percent Difference	0.1%	-0.2%	0.8%	0.1%	0.0%	0.0%	-0.1%	-0.6%	-1.2%	-1.4%	-1.1%	-1.6%
Dry (20%)												
WSIP 2030 Without Project	65.7	56.6	49.1	46.7	47.2	50.4	56.2	61.6	65.5	65.9	66.4	68.7
WSIP 2030 With Project	66.0	56.7	49.3	46.8	47.2	50.4	56.1	61.4	65.2	65.2	66.5	68.1
Difference	0.3	0.1	0.2	0.1	0.0	0.0	-0.1	-0.2	-0.3	-0.8	0.1	-0.6
Percent Difference	0.5%	0.2%	0.4%	0.3%	0.1%	0.0%	-0.2%	-0.3%	-0.5%	-1.1%	0.1%	-0.8%
Critical (15%)												
WSIP 2030 Without Project	67.1	58.8	50.8	47.6	48.8	52.4	57.0	61.7	65.7	69.6	67.7	69.3
WSIP 2030 With Project	67.2	58.9	50.7	47.9	48.8	52.2	56.5	61.9	66.1	68.7	67.5	69.2
Difference	0.1	0.1	-0.1	0.3	0.0	-0.2	-0.5	0.2	0.3	-0.9	-0.2	-0.1
Percent Difference	0.1%	0.1%	-0.2%	0.6%	0.0%	-0.4%	-0.8%	0.3%	0.5%	-1.3%	-0.3%	-0.2%

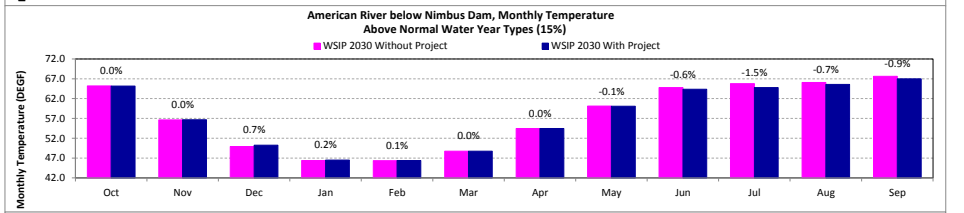
1 Based on the 82-year simulation period

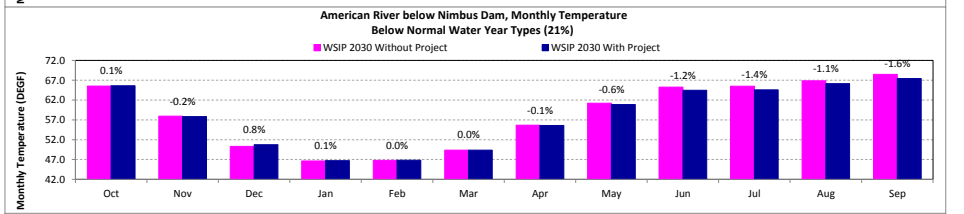
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

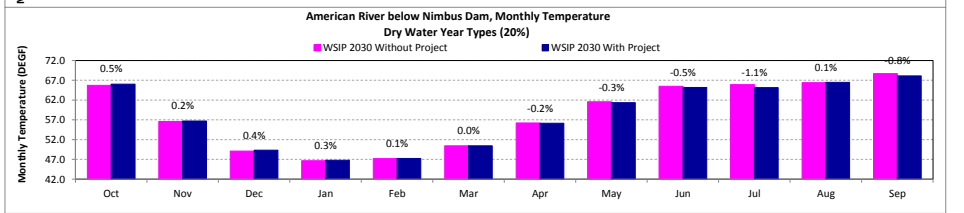
3 Relative difference of the monthly average











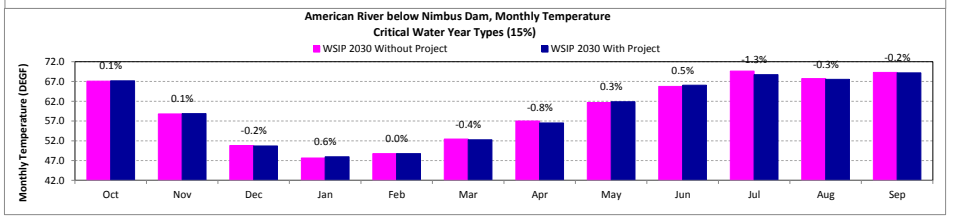


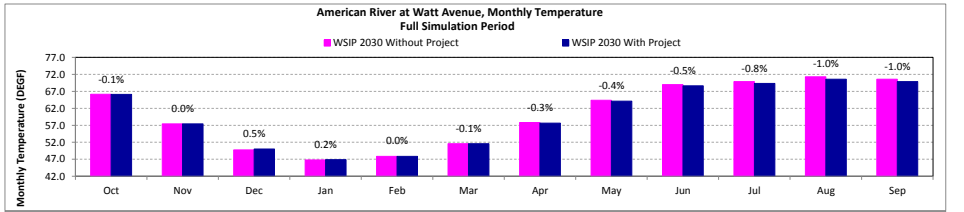
Table SQ10-1a
American River at Watt Avenue, Monthly Temperature
Long-term Average and Average by Water Year Type

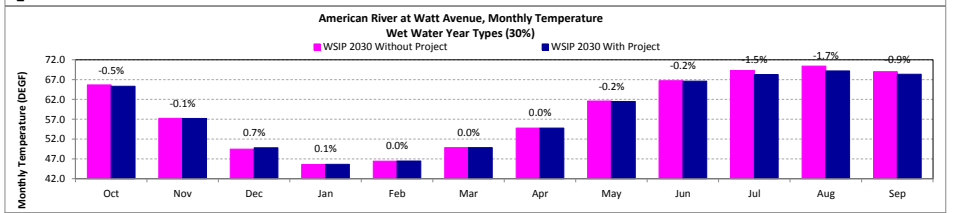
Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	66.2	57.4	49.8	46.8	47.9	51.6	57.8	64.4	69.0	69.8	71.3	70.6
WSIP 2030 With Project	66.1	57.4	50.0	46.9	47.9	51.6	57.6	64.1	68.6	69.3	70.6	69.9
Difference	-0.1	0.0	0.3	0.1	0.0	0.0	-0.2	-0.3	-0.3	-0.5	-0.7	-0.7
Percent Difference[3]	-0.1%	0.0%	0.5%	0.2%	0.0%	-0.1%	-0.3%	-0.4%	-0.5%	-0.8%	-1.0%	-1.0%
Water Year Types[2]												
Wet (30%)												
WSIP 2030 Without Project	65.7	57.2	49.5	45.6	46.4	49.8	54.8	61.6	66.7	69.3	70.4	69.0
WSIP 2030 With Project	65.3	57.2	49.8	45.6	46.5	49.9	54.8	61.5	66.6	68.3	69.2	68.3
Difference	-0.3	0.0	0.4	0.1	0.0	0.0	0.0	-0.1	-0.1	-1.0	-1.2	-0.6
Percent Difference	-0.5%	-0.1%	0.7%	0.1%	0.0%	0.0%	0.0%	-0.2%	-0.2%	-1.5%	-1.7%	-0.9%
Above Normal (15%)												
WSIP 2030 Without Project	65.6	56.6	49.9	46.8	47.2	50.1	57.0	64.2	69.3	68.6	70.5	69.9
WSIP 2030 With Project	65.6	56.7	50.2	46.9	47.2	50.1	57.0	64.0	68.8	68.1	70.0	69.3
Difference	0.0	0.0	0.3	0.1	0.0	0.0	0.0	-0.2	-0.5	-0.5	-0.5	-0.6
Percent Difference	-0.1%	0.1%	0.6%	0.2%	0.1%	0.0%	0.0%	-0.3%	-0.7%	-0.7%	-0.7%	-0.8%
Below Normal (21%)												
WSIP 2030 Without Project	66.0	57.9	50.1	47.1	47.8	51.0	58.7	65.2	69.8	68.4	71.6	71.1
WSIP 2030 With Project	66.0	57.8	50.5	47.2	47.9	51.0	58.5	64.8	68.8	68.2	70.7	70.1
Difference	0.0	-0.1	0.4	0.1	0.0	0.0	-0.2	-0.4	-1.0	-0.2	-0.9	-1.0
Percent Difference	0.0%	-0.2%	0.8%	0.1%	0.1%	0.0%	-0.3%	-0.6%	-1.5%	-0.3%	-1.3%	-1.4%
Dry (20%)												
WSIP 2030 Without Project	66.3	56.7	49.1	47.1	48.4	53.1	59.8	65.9	69.7	69.5	71.1	71.5
WSIP 2030 With Project	66.5	56.8	49.3	47.2	48.5	53.1	59.6	65.4	69.5	69.4	71.2	70.8
Difference	0.2	0.1	0.2	0.1	0.0	0.0	-0.2	-0.5	-0.2	-0.1	0.1	-0.8
Percent Difference	0.2%	0.2%	0.4%	0.2%	0.1%	0.0%	-0.4%	-0.7%	-0.3%	-0.1%	0.1%	-1.1%
Critical (15%)												
WSIP 2030 Without Project	67.7	58.7	50.7	48.2	50.7	55.6	61.1	66.9	71.0	74.7	73.6	72.5
WSIP 2030 With Project	67.7	58.8	50.6	48.5	50.7	55.3	60.4	66.7	71.4	74.1	73.1	72.2
Difference	0.0	0.1	-0.1	0.2	-0.1	-0.3	-0.7	-0.2	0.3	-0.7	-0.5	-0.3
Percent Difference	0.1%	0.1%	-0.1%	0.5%	-0.1%	-0.5%	-1.1%	-0.3%	0.4%	-0.9%	-0.7%	-0.4%

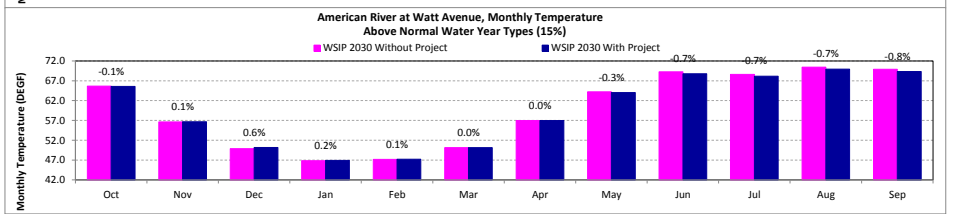
1 Based on the 82-year simulation period

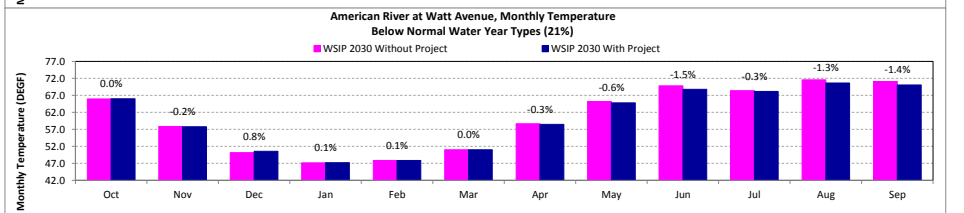
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

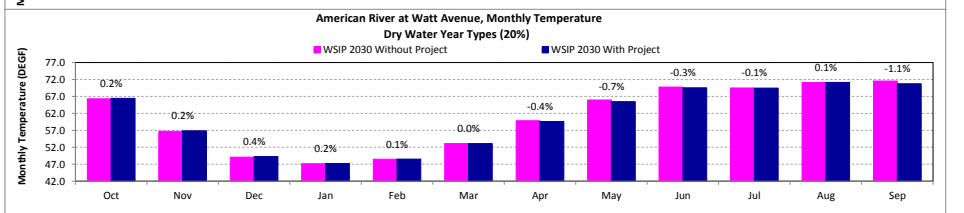
3 Relative difference of the monthly average











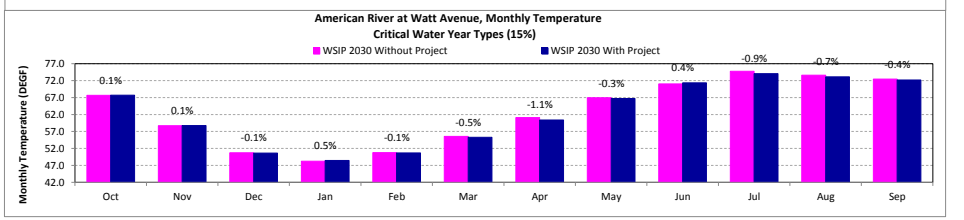


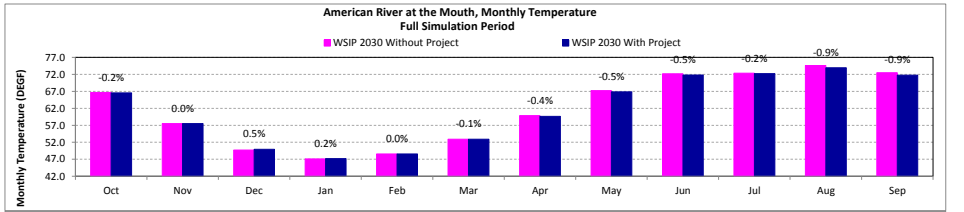
Table SQ11-1a
American River at the Mouth, Monthly Temperature
Long-term Average and Average by Water Year Type

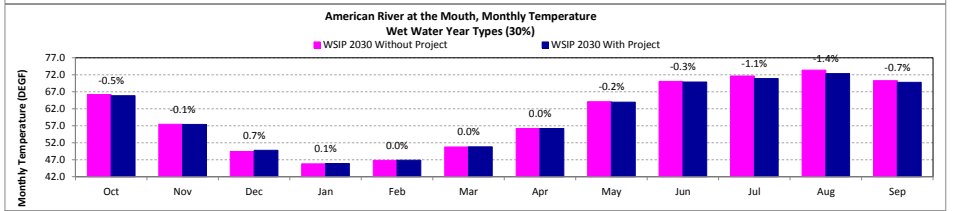
Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	66.7	57.5	49.7	47.1	48.6	52.9	59.9	67.2	72.2	72.3	74.6	72.5
WSIP 2030 With Project	66.5	57.5	50.0	47.2	48.6	52.9	59.6	66.9	71.8	72.2	73.9	71.8
Difference	-0.1	0.0	0.2	0.1	0.0	0.0	-0.2	-0.4	-0.4	-0.2	-0.7	-0.7
Percent Difference[3]	-0.2%	0.0%	0.5%	0.2%	0.0%	-0.1%	-0.4%	-0.5%	-0.5%	-0.2%	-0.9%	-0.9%
Water Year Types[2]												
Wet (30%)												
WSIP 2030 Without Project	66.2	57.4	49.4	45.8	46.8	50.8	56.2	64.1	70.0	71.6	73.4	70.3
WSIP 2030 With Project	65.8	57.4	49.8	45.9	46.8	50.8	56.2	63.9	69.9	70.9	72.4	69.8
Difference	-0.4	0.0	0.3	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.8	-1.0	-0.5
Percent Difference	-0.5%	-0.1%	0.7%	0.1%	0.0%	0.0%	0.0%	-0.2%	-0.3%	-1.1%	-1.4%	-0.7%
Above Normal (15%)												
WSIP 2030 Without Project	66.1	56.7	49.8	47.2	47.7	51.0	58.7	67.1	72.4	70.7	73.6	71.6
WSIP 2030 With Project	66.0	56.7	50.1	47.2	47.7	51.1	58.7	66.8	71.8	70.7	73.1	71.1
Difference	-0.1	0.1	0.3	0.1	0.0	0.0	0.0	-0.3	-0.6	0.0	-0.5	-0.5
Percent Difference	-0.1%	0.1%	0.5%	0.1%	0.1%	0.0%	0.0%	-0.4%	-0.8%	0.0%	-0.7%	-0.7%
Below Normal (21%)												
WSIP 2030 Without Project	66.4	57.9	50.0	47.5	48.5	52.1	60.8	68.0	73.0	70.5	75.0	73.2
WSIP 2030 With Project	66.4	57.8	50.4	47.5	48.6	52.1	60.5	67.6	71.8	70.9	74.0	72.1
Difference	0.0	-0.1	0.4	0.1	0.0	0.0	-0.2	-0.4	-1.2	0.4	-1.1	-1.0
Percent Difference	-0.1%	-0.2%	0.7%	0.1%	0.1%	0.0%	-0.4%	-0.6%	-1.6%	0.6%	-1.4%	-1.4%
Dry (20%)												
WSIP 2030 Without Project	66.9	56.9	49.0	47.4	49.3	54.9	62.4	69.0	72.8	72.3	74.5	73.8
WSIP 2030 With Project	66.9	57.0	49.2	47.5	49.4	54.9	62.1	68.3	72.6	72.7	74.6	72.9
Difference	0.0	0.1	0.2	0.1	0.1	0.0	-0.3	-0.7	-0.2	0.4	0.1	-0.9
Percent Difference	0.0%	0.1%	0.4%	0.1%	0.1%	0.0%	-0.5%	-1.0%	-0.2%	0.6%	0.1%	-1.2%
Critical (15%)												
WSIP 2030 Without Project	68.3	58.7	50.6	48.7	52.1	57.8	64.0	70.4	74.5	78.3	77.7	75.0
WSIP 2030 With Project	68.3	58.8	50.6	48.9	52.0	57.5	63.2	70.1	74.8	77.7	77.1	74.6
Difference	0.0	0.1	0.0	0.2	-0.1	-0.3	-0.8	-0.4	0.3	-0.6	-0.6	-0.4
Percent Difference	0.0%	0.1%	-0.1%	0.4%	-0.2%	-0.6%	-1.2%	-0.5%	0.4%	-0.7%	-0.8%	-0.5%

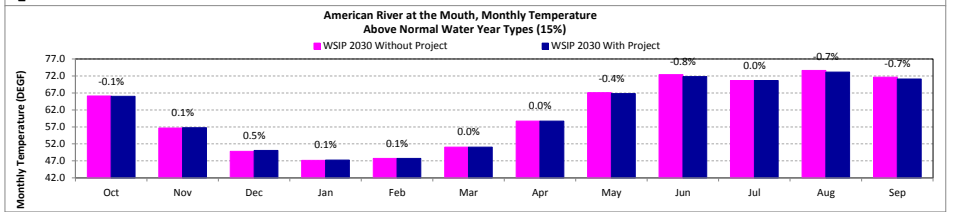
1 Based on the 82-year simulation period

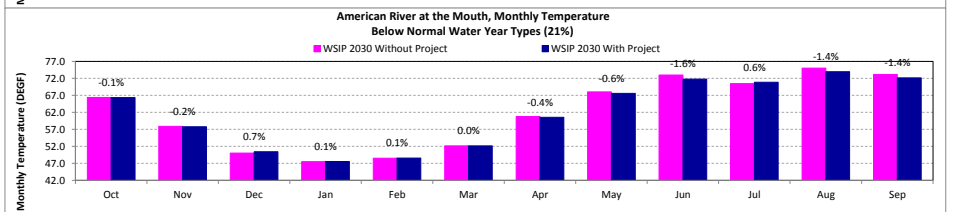
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

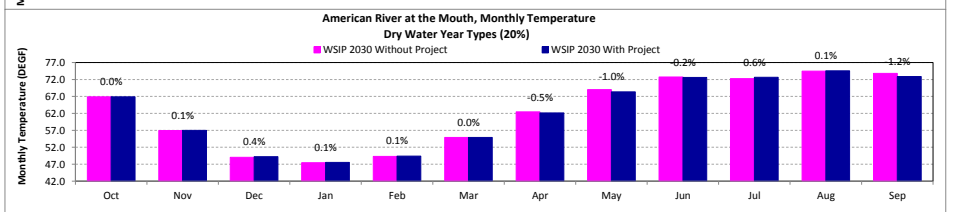
3 Relative difference of the monthly average











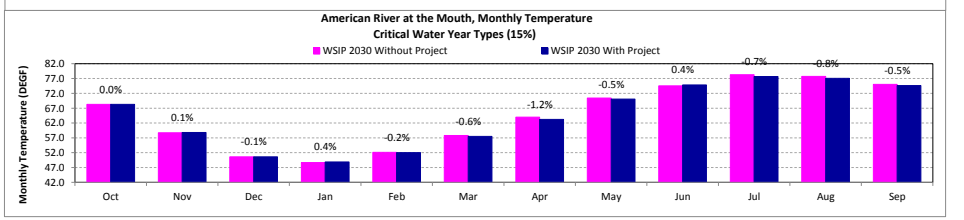


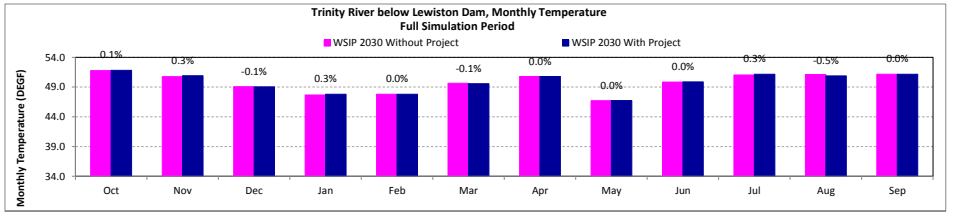
Table SQ12-1a
Trinity River below Lewiston Dam, Monthly Temperature
Long-term Average and Average by Water Year Type

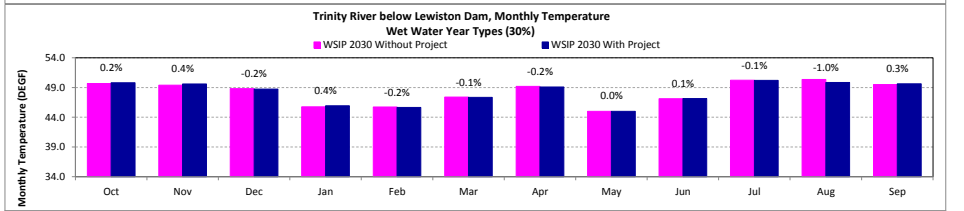
Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	51.8	50.8	49.1	47.7	47.8	49.6	50.8	46.7	49.8	51.0	51.1	51.2
WSIP 2030 With Project	51.8	50.9	49.0	47.8	47.8	49.6	50.8	46.7	49.9	51.2	50.9	51.1
Difference	0.1	0.1	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.1	-0.3	0.0
Percent Difference[3]	0.1%	0.3%	-0.1%	0.3%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.3%	-0.5%	0.0%
Water Year Types[2]												
Wet (30%)												
WSIP 2030 Without Project	49.7	49.4	48.8	45.7	45.7	47.4	49.2	45.0	47.1	50.2	50.4	49.5
WSIP 2030 With Project	49.8	49.6	48.7	45.9	45.6	47.4	49.1	45.0	47.1	50.2	49.9	49.6
Difference	0.1	0.2	-0.1	0.2	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.5	0.1
Percent Difference	0.2%	0.4%	-0.2%	0.4%	-0.2%	-0.1%	-0.2%	0.0%	0.1%	-0.1%	-1.0%	0.3%
Above Normal (15%)												
WSIP 2030 Without Project	50.3	49.6	49.9	47.3	47.1	49.2	51.0	45.4	48.6	50.3	50.2	50.0
WSIP 2030 With Project	50.4	49.9	49.5	47.3	47.1	49.3	51.0	45.4	48.4	50.5	50.1	49.8
Difference	0.1	0.2	-0.5	0.0	0.0	0.1	0.0	0.0	-0.3	0.2	-0.1	-0.2
Percent Difference	0.2%	0.5%	-0.9%	0.1%	0.0%	0.2%	-0.1%	0.0%	-0.5%	0.4%	-0.2%	-0.4%
Below Normal (21%)												
WSIP 2030 Without Project	51.6	50.6	48.7	48.4	48.3	50.8	51.2	46.6	50.3	51.3	50.7	51.3
WSIP 2030 With Project	51.6	50.4	48.4	48.5	48.3	50.7	51.2	46.6	50.2	51.3	50.7	51.3
Difference	0.0	-0.1	-0.2	0.1	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0
Percent Difference	0.0%	-0.3%	-0.5%	0.3%	-0.1%	-0.2%	0.1%	0.0%	-0.1%	0.1%	-0.1%	0.0%
Dry (20%)												
WSIP 2030 Without Project	53.4	52.2	48.5	48.7	49.1	50.4	51.8	48.0	51.2	51.0	51.4	52.1
WSIP 2030 With Project	53.3	52.0	48.5	48.9	49.2	50.1	51.9	48.0	51.5	51.7	51.2	52.1
Difference	-0.1	-0.1	0.0	0.2	0.1	-0.3	0.1	0.0	0.3	0.7	-0.1	0.0
Percent Difference	-0.2%	-0.2%	0.1%	0.4%	0.1%	-0.7%	0.3%	0.0%	0.5%	1.3%	-0.3%	-0.1%
Critical (15%)												
WSIP 2030 Without Project	55.5	53.0	50.1	49.7	50.2	52.1	52.1	49.9	54.3	53.1	53.8	54.4
WSIP 2030 With Project	55.7	53.6	50.8	49.7	50.4	52.2	52.0	50.1	54.3	52.9	53.5	54.2
Difference	0.2	0.6	0.7	0.0	0.2	0.2	-0.1	0.1	0.0	-0.2	-0.3	-0.2
Percent Difference	0.4%	1.2%	1.3%	0.0%	0.4%	0.3%	-0.2%	0.3%	0.1%	-0.3%	-0.6%	-0.4%

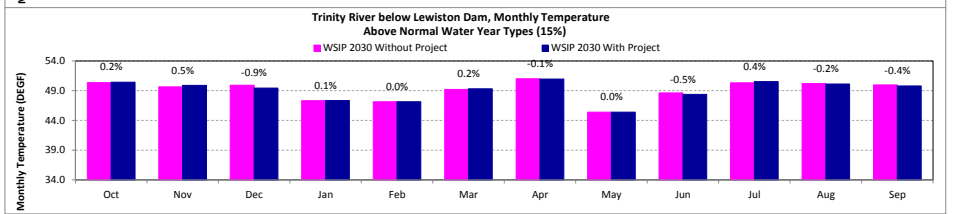
1 Based on the 82-year simulation period

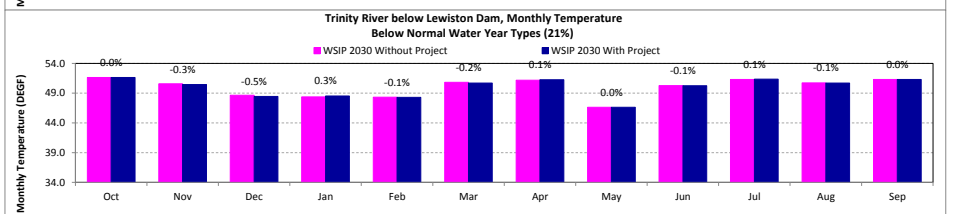
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

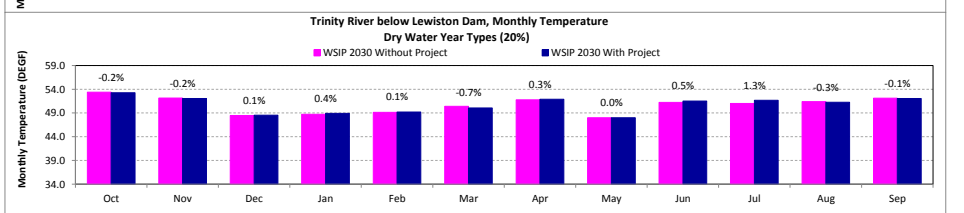
3 Relative difference of the monthly average











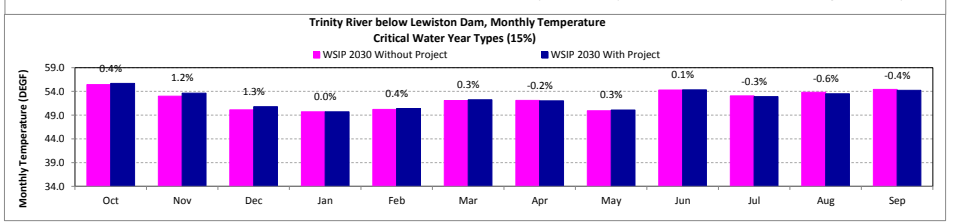


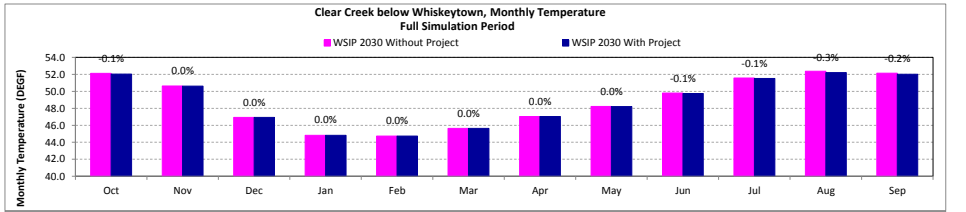
Table SQ13-1a
Clear Creek below Whiskeytown, Monthly Temperature
Long-term Average and Average by Water Year Type

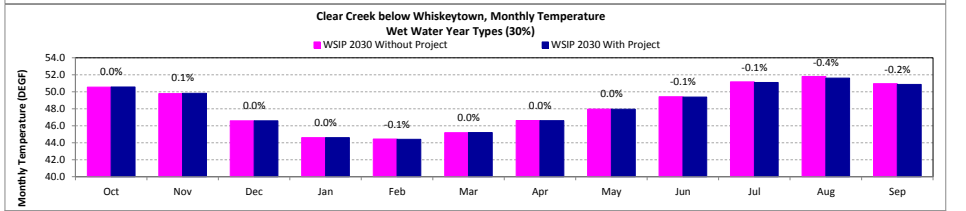
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Temperature (DEGF)											
	Long-term											
Full Simulation Period[1]												
WSIP 2030 Without Project	52.1	50.6	46.9	44.8	44.7	45.6	47.0	48.2	49.8	51.6	52.4	52.1
WSIP 2030 With Project	52.0	50.6	46.9	44.8	44.7	45.6	47.0	48.2	49.8	51.5	52.2	52.0
Difference	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.1
Percent Difference[3]	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.3%	-0.2%
	Water Year Types[2]											
Wet (30%)												
WSIP 2030 Without Project	50.5	49.8	46.6	44.6	44.4	45.2	46.6	48.0	49.4	51.2	51.8	51.0
WSIP 2030 With Project	50.6	49.8	46.6	44.6	44.4	45.2	46.6	47.9	49.4	51.1	51.6	50.9
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.1
Percent Difference	0.0%	0.1%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.4%	-0.2%
Above Normal (15%)												
WSIP 2030 Without Project	51.1	49.9	46.7	44.8	44.5	45.3	46.7	48.0	49.5	51.3	51.8	51.3
WSIP 2030 With Project	50.9	49.8	46.7	44.8	44.5	45.2	46.6	47.9	49.4	51.3	51.6	51.1
Difference	-0.2	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
Percent Difference	-0.4%	-0.1%	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.2%	-0.2%	-0.4%
Below Normal (21%)												
WSIP 2030 Without Project	52.2	50.6	46.9	44.6	44.6	45.6	46.9	47.9	49.6	51.5	52.1	51.9
WSIP 2030 With Project	52.1	50.6	46.8	44.6	44.6	45.6	46.9	47.9	49.5	51.5	51.9	51.8
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1
Percent Difference	-0.1%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.3%	-0.2%
Dry (20%)												
WSIP 2030 Without Project	53.0	51.2	47.0	44.7	44.7	45.7	47.3	48.3	49.7	51.7	52.7	52.7
WSIP 2030 With Project	52.9	51.1	47.0	44.7	44.7	45.8	47.4	48.3	49.7	51.6	52.6	52.6
Difference	-0.1	-0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	-0.2	-0.1
Percent Difference	-0.2%	-0.1%	0.0%	0.1%	0.0%	0.1%	0.3%	0.0%	0.0%	-0.1%	-0.3%	-0.2%
Critical (15%)												
WSIP 2030 Without Project	55.1	52.3	47.9	45.9	45.9	46.8	48.2	49.4	51.3	52.6	54.1	55.0
WSIP 2030 With Project	54.9	52.2	47.9	45.9	45.9	46.7	48.1	49.4	51.3	52.6	54.0	54.8
Difference	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.2
Percent Difference	-0.3%	-0.1%	0.0%	-0.1%	0.0%	-0.1%	-0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.4%

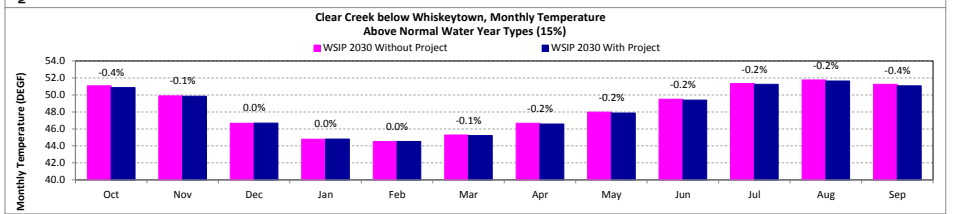
1 Based on the 82-year simulation period

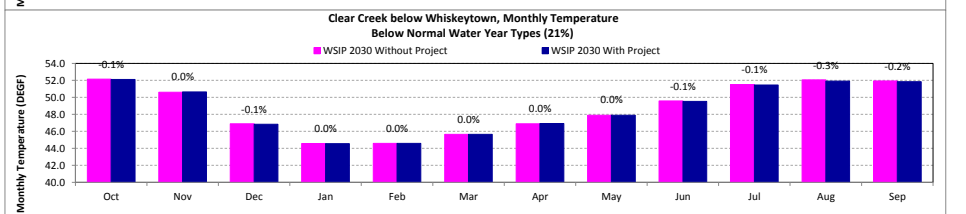
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

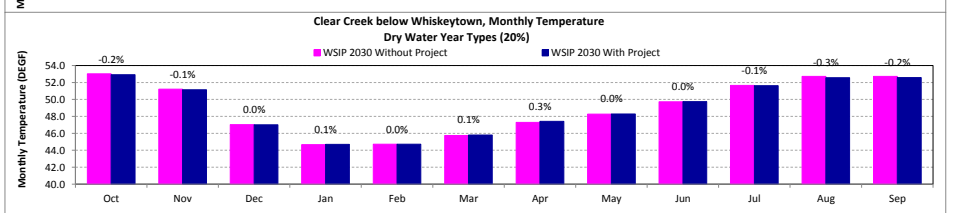
3 Relative difference of the monthly average











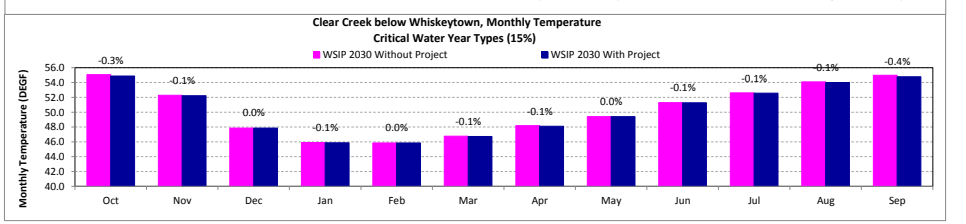


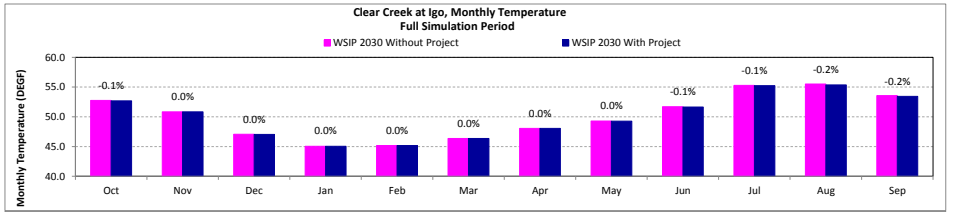
Table SQ14-1a
Clear Creek at Igo, Monthly Temperature
Long-term Average and Average by Water Year Type

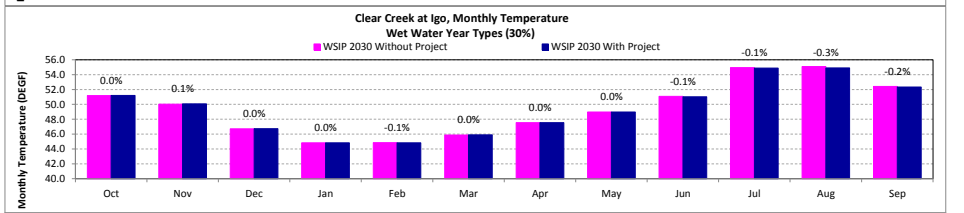
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Temperature (DEGF)											
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	52.7	50.8	47.1	45.0	45.2	46.4	48.0	49.3	51.7	55.3	55.5	53.6
WSIP 2030 With Project	52.7	50.8	47.0	45.0	45.2	46.4	48.1	49.3	51.7	55.2	55.4	53.4
Difference	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1
Percent Difference[3]	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%
Water Year Types[2]												
Wet (30%)												
WSIP 2030 Without Project	51.2	50.0	46.7	44.8	44.9	45.9	47.5	49.0	51.1	55.0	55.1	52.4
WSIP 2030 With Project	51.2	50.1	46.7	44.8	44.8	45.9	47.5	49.0	51.0	54.9	54.9	52.3
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.1
Percent Difference	0.0%	0.1%	0.0%	0.0%	-0.1%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.3%	-0.2%
Above Normal (15%)												
WSIP 2030 Without Project	51.7	50.1	46.8	45.0	44.9	46.0	47.6	49.0	51.2	55.1	54.9	52.7
WSIP 2030 With Project	51.4	50.0	46.8	45.0	45.0	45.9	47.6	48.9	51.1	55.0	54.8	52.5
Difference	-0.2	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
Percent Difference	-0.4%	-0.1%	0.0%	0.0%	0.0%	-0.1%	-0.2%	-0.2%	-0.2%	-0.1%	-0.2%	-0.3%
Below Normal (21%)												
WSIP 2030 Without Project	52.7	50.8	47.0	44.8	45.0	46.4	47.9	48.9	51.4	55.2	55.2	53.3
WSIP 2030 With Project	52.7	50.8	46.9	44.8	45.0	46.4	48.0	48.9	51.4	55.1	55.1	53.2
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1
Percent Difference	-0.1%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	-0.1%	-0.2%	-0.2%
Dry (20%)												
WSIP 2030 Without Project	53.6	51.4	47.2	44.8	45.1	46.5	48.3	49.3	51.6	55.3	55.8	54.0
WSIP 2030 With Project	53.6	51.4	47.1	44.9	45.1	46.5	48.4	49.3	51.6	55.2	55.6	53.9
Difference	-0.1	-0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	-0.2	-0.1
Percent Difference	-0.2%	-0.1%	0.0%	0.1%	0.0%	0.1%	0.3%	0.0%	0.0%	-0.1%	-0.3%	-0.2%
Critical (15%)												
WSIP 2030 Without Project	55.8	52.5	48.0	46.1	46.4	47.6	49.3	50.6	54.0	56.3	57.1	56.5
WSIP 2030 With Project	55.7	52.5	48.0	46.1	46.4	47.5	49.3	50.6	54.0	56.3	57.0	56.4
Difference	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.2
Percent Difference	-0.3%	-0.1%	0.0%	-0.1%	0.0%	-0.1%	-0.1%	0.0%	0.0%	-0.1%	-0.1%	-0.3%

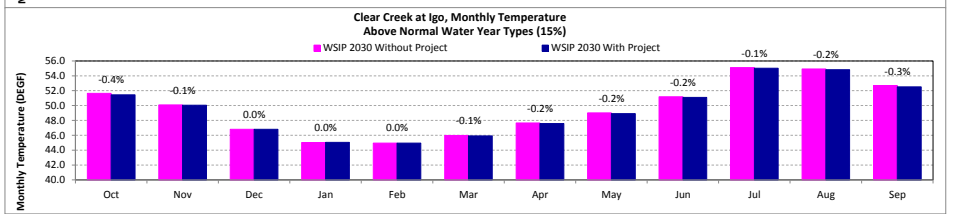
1 Based on the 82-year simulation period

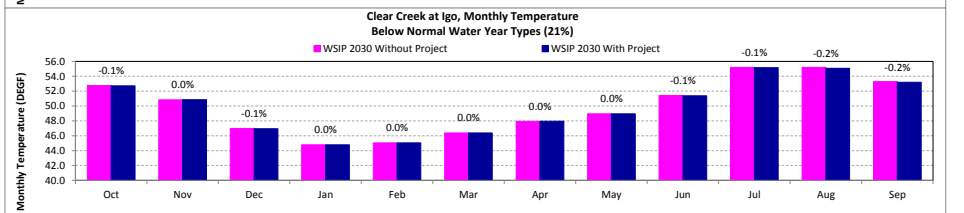
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

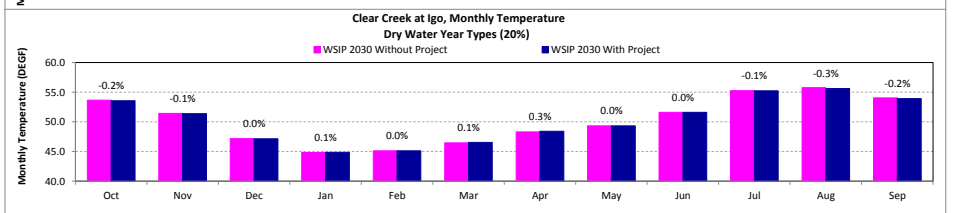
3 Relative difference of the monthly average











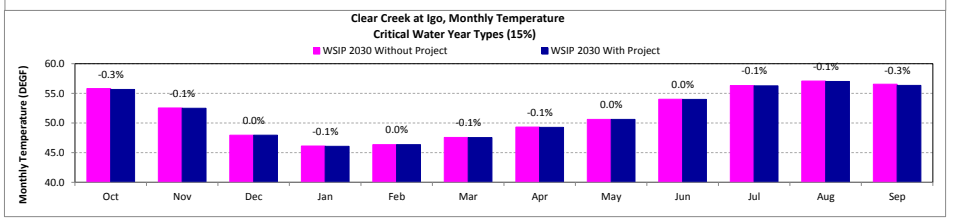


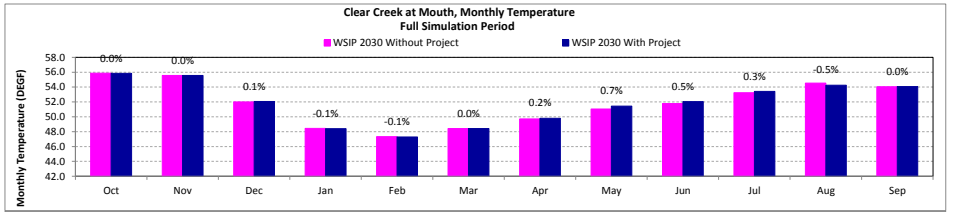
Table SQ15-1a
Clear Creek at Mouth, Monthly Temperature
Long-term Average and Average by Water Year Type

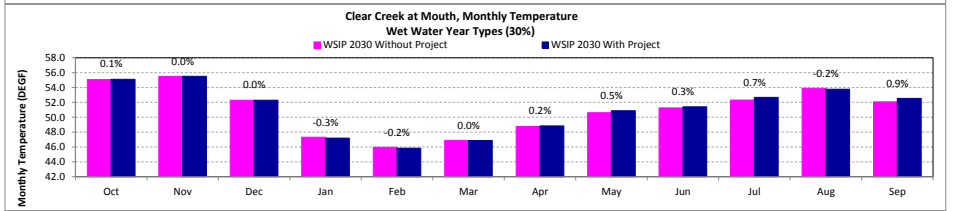
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Temperature (DEGF)											
Long-term												
Full Simulation Period[1]												
WSIP 2030 Without Project	55.9	55.6	52.0	48.4	47.3	48.4	49.7	51.1	51.8	53.2	54.5	54.0
WSIP 2030 With Project	55.8	55.6	52.1	48.4	47.3	48.4	49.8	51.4	52.0	53.4	54.3	54.1
Difference	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.4	0.3	0.2	-0.3	0.0
Percent Difference[3]	0.0%	0.0%	0.1%	-0.1%	-0.1%	0.0%	0.2%	0.7%	0.5%	0.3%	-0.5%	0.0%
Water Year Types[2]												
Wet (30%)												
WSIP 2030 Without Project	55.1	55.5	52.3	47.3	45.9	46.9	48.7	50.6	51.3	52.3	53.9	52.1
WSIP 2030 With Project	55.1	55.5	52.3	47.2	45.8	46.9	48.8	50.9	51.4	52.7	53.8	52.5
Difference	0.1	0.0	0.0	-0.1	-0.1	0.0	0.1	0.2	0.1	0.4	-0.1	0.5
Percent Difference	0.1%	0.0%	0.0%	-0.3%	-0.2%	0.0%	0.2%	0.5%	0.3%	0.7%	-0.2%	0.9%
Above Normal (15%)												
WSIP 2030 Without Project	55.1	55.3	52.1	48.4	47.1	47.8	49.7	51.0	51.2	52.4	53.6	52.7
WSIP 2030 With Project	54.9	55.2	52.0	48.4	47.0	47.7	49.8	51.4	51.6	52.5	53.4	53.2
Difference	-0.1	0.0	-0.1	0.0	-0.1	-0.1	0.1	0.4	0.4	0.1	-0.2	0.5
Percent Difference	-0.2%	-0.1%	-0.2%	0.0%	-0.2%	-0.1%	0.3%	0.7%	0.8%	0.2%	-0.3%	0.9%
Below Normal (21%)												
WSIP 2030 Without Project	55.5	55.2	51.9	48.8	47.6	49.1	50.0	50.9	51.5	52.9	54.3	54.0
WSIP 2030 With Project	55.6	55.3	51.9	48.9	47.6	49.1	49.9	51.2	51.9	53.2	54.1	54.0
Difference	0.1	0.1	0.1	0.0	0.0	0.0	-0.1	0.3	0.3	0.3	-0.2	0.0
Percent Difference	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	-0.2%	0.6%	0.7%	0.5%	-0.3%	0.0%
Dry (20%)												
WSIP 2030 Without Project	55.8	55.5	51.4	49.0	48.1	49.2	50.1	51.2	52.0	53.9	54.9	55.1
WSIP 2030 With Project	56.0	55.5	51.5	49.0	48.1	49.2	50.2	51.5	52.4	54.0	54.5	54.8
Difference	0.1	0.0	0.1	-0.1	-0.1	0.0	0.0	0.3	0.4	0.1	-0.4	-0.3
Percent Difference	0.2%	0.0%	0.1%	-0.2%	-0.1%	0.1%	0.1%	0.6%	0.7%	0.3%	-0.7%	-0.5%
Critical (15%)												
WSIP 2030 Without Project	58.8	56.5	52.3	49.5	49.0	50.3	50.7	52.0	53.5	55.7	56.7	58.2
WSIP 2030 With Project	58.4	56.5	52.6	49.6	49.1	50.3	51.1	52.9	53.6	55.4	56.0	57.3
Difference	-0.4	-0.1	0.3	0.1	0.1	0.0	0.3	0.8	0.1	-0.2	-0.8	-0.9
Percent Difference	-0.8%	-0.1%	0.6%	0.2%	0.2%	0.0%	0.7%	1.6%	0.1%	-0.4%	-1.4%	-1.6%

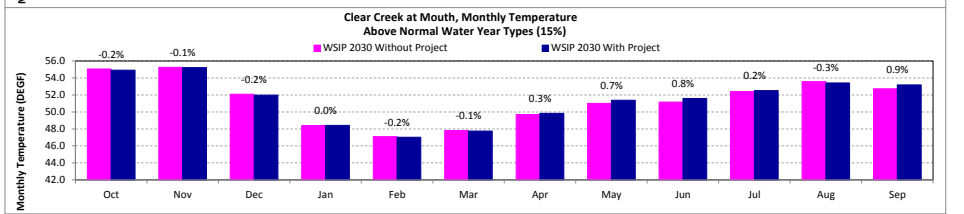
1 Based on the 82-year simulation period

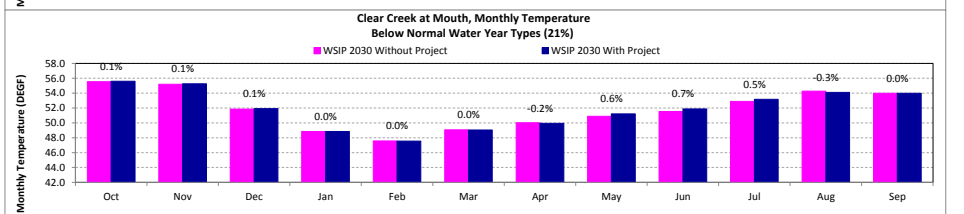
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

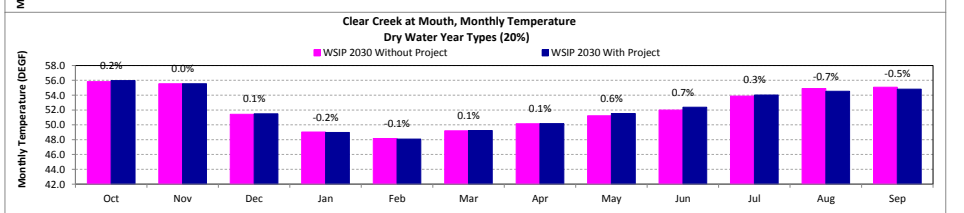
3 Relative difference of the monthly average

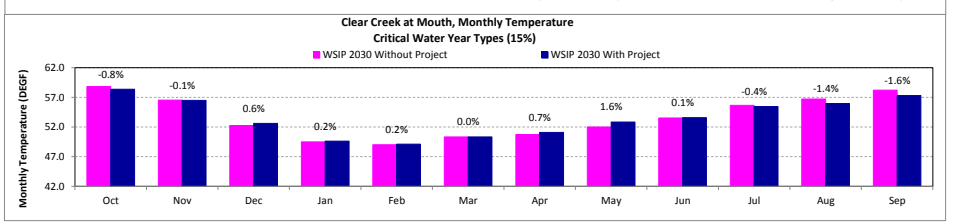












Trinity and Sacramento River Basin Operations

Exceedance Probability Charts and Tables

Figure SQ2-1b
Sacramento River below Keswick, Monthly Temperature
Probability of Exceedance

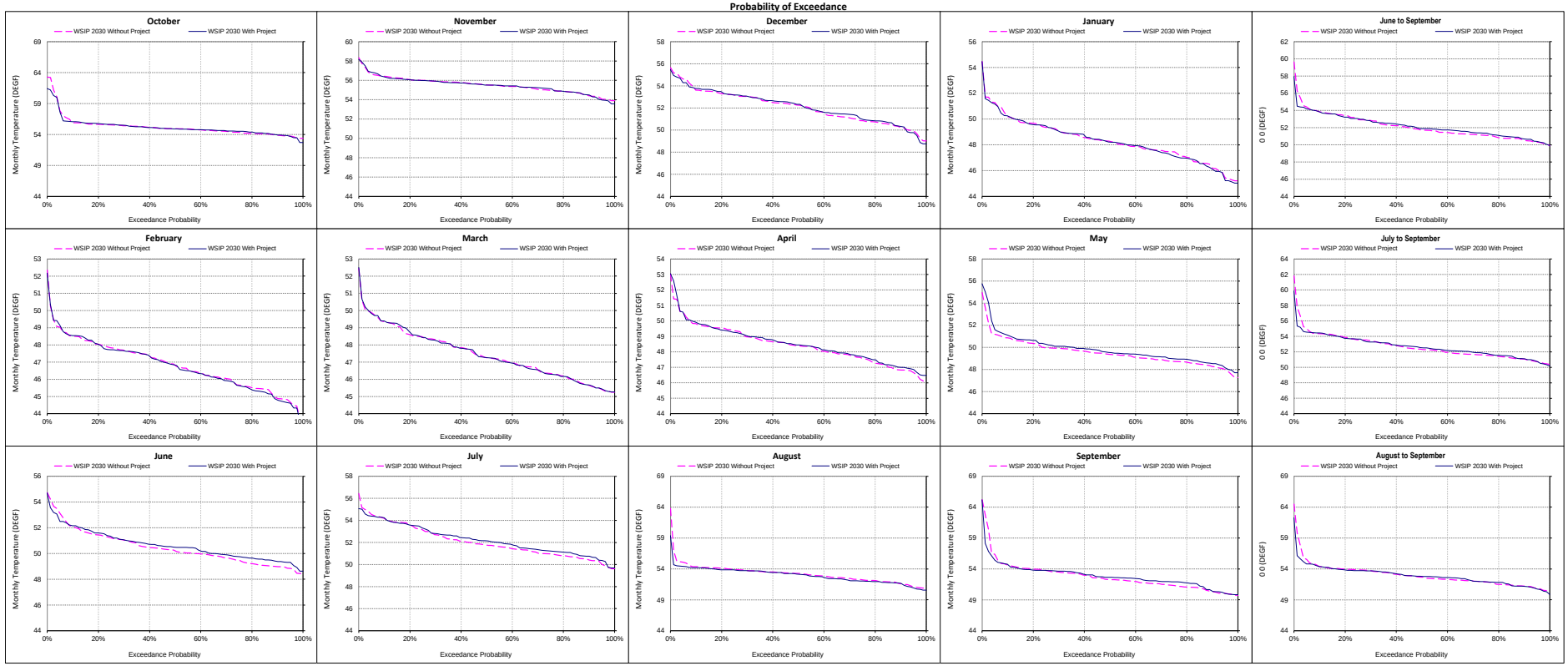


Table SQ2-1b

Sacramento River below Keswick, Monthly Temperature

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	63.3	61.4	-1.8	-2.9%
1.2%	63.2	61.2	-2.0	-3.2%
2.5%	61.2	60.3	-0.8	-1.4%
3.7%	60.1	60.0	-0.1	-0.2%
4.9%	57.8	57.6	-0.2	-0.4%
6.2%	57.0	56.2	-0.8	-1.5%
7.4%	56.7	56.2	-0.6	-1.0%
8.6%	56.5	56.1	-0.4	-0.7%
9.9%	55.9	56.1	0.2	0.3%
11.1%	55.9	56.1	0.2	0.3%
12.3%	55.9	56.0	0.1	0.2%
13.6%	55.9	56.0	0.1	0.2%
14.8%	55.8	55.8	0.0	0.0%
16.0%	55.7	55.8	0.2	0.3%
17.3%	55.7	55.8	0.1	0.3%
18.5%	55.7	55.8	0.1	0.2%
19.8%	55.6	55.8	0.1	0.3%
21.0%	55.6	55.7	0.1	0.2%
22.2%	55.6	55.7	0.1	0.2%
23.5%	55.6	55.7	0.1	0.2%
24.7%	55.6	55.7	0.1	0.2%
25.9%	55.5	55.6	0.1	0.2%
27.2%	55.5	55.5	0.0	0.0%
28.4%	55.5	55.5	0.0	0.0%
29.6%	55.4	55.5	0.1	0.2%
30.9%	55.4	55.5	0.1	0.1%
32.1%	55.4	55.3	-0.1	-0.1%
33.3%	55.3	55.3	-0.1	-0.1%
34.6%	55.3	55.2	-0.1	-0.2%
35.8%	55.3	55.2	-0.1	-0.1%
37.0%	55.3	55.2	0.0	-0.1%
38.3%	55.2	55.2	-0.1	-0.1%
39.5%	55.2	55.1	0.0	0.0%
40.7%	55.2	55.1	0.0	0.0%
42.0%	55.1	55.1	-0.1	-0.1%
43.2%	55.0	55.1	0.1	0.1%
44.4%	55.0	55.0	0.0	0.1%
45.7%	55.0	55.0	0.0	0.0%
46.9%	55.0	55.0	0.0	0.0%
48.1%	55.0	55.0	0.0	0.0%
49.4%	54.9	54.9	0.0	0.0%
50.6%	54.9	54.9	0.0	-0.1%
51.9%	54.9	54.9	-0.1	-0.1%
53.1%	54.9	54.9	-0.1	-0.1%
54.3%	54.9	54.8	0.0	-0.1%
55.6%	54.9	54.8	-0.1	-0.1%
56.8%	54.9	54.8	-0.1	-0.1%
58.0%	54.8	54.8	0.0	0.0%
59.3%	54.8	54.8	0.0	0.0%
60.5%	54.7	54.8	0.0	0.1%
61.7%	54.7	54.7	0.0	0.1%
63.0%	54.7	54.7	0.1	0.1%
64.2%	54.6	54.7	0.1	0.1%
65.4%	54.6	54.7	0.1	0.1%
66.7%	54.6	54.7	0.1	0.2%
67.9%	54.6	54.6	0.1	0.1%
69.1%	54.5	54.6	0.1	0.2%
70.4%	54.5	54.6	0.1	0.1%
71.6%	54.4	54.6	0.1	0.2%
72.8%	54.4	54.6	0.2	0.3%
74.1%	54.4	54.5	0.2	0.3%
75.3%	54.3	54.5	0.2	0.3%
76.5%	54.2	54.5	0.3	0.5%
77.8%	54.2	54.5	0.3	0.5%
79.0%	54.2	54.4	0.2	0.4%
80.2%	54.2	54.4	0.2	0.4%
81.5%	54.1	54.3	0.1	0.2%
82.7%	54.1	54.3	0.1	0.2%
84.0%	54.1	54.2	0.1	0.3%
85.2%	54.1	54.2	0.1	0.1%
86.4%	54.1	54.2	0.1	0.1%
87.7%	54.0	54.1	0.0	0.0%
88.9%	53.9	54.0	0.1	0.2%
90.1%	53.9	53.9	0.0	0.1%
91.4%	53.8	53.9	0.1	0.2%
92.6%	53.8	53.9	0.1	0.1%
93.8%	53.8	53.8	0.0	0.1%
95.1%	53.7	53.7	0.0	-0.1%
96.3%	53.7	53.5	-0.2	-0.3%
97.5%	53.4	53.5	0.1	0.1%
98.8%	53.4	52.7	-0.7	-1.3%
100.0%	53.4	52.7	0.0	-1.3%

November				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.4	58.2	-0.2	-0.3%
1.2%	57.7	57.9	0.1	0.2%
2.5%	57.4	57.5	0.1	0.2%
3.7%	56.9	56.9	0.1	0.1%
4.9%	56.6	56.8	0.2	0.4%
6.2%	56.6	56.8	0.2	0.4%
7.4%	56.5	56.7	0.2	0.3%
8.6%	56.4	56.5	0.0	0.0%
9.9%	56.4	56.4	0.0	-0.1%
11.1%	56.4	56.3	-0.1	-0.2%
12.3%	56.3	56.2	-0.1	-0.2%
13.6%	56.3	56.2	-0.1	-0.1%
14.8%	56.3	56.2	-0.1	-0.1%
16.0%	56.2	56.2	-0.1	-0.1%
17.3%	56.2	56.1	-0.1	-0.2%
18.5%	56.1	56.1	0.0	-0.1%
19.8%	56.1	56.1	0.0	0.0%
21.0%	56.0	56.0	0.0	0.0%
22.2%	56.0	56.0	0.0	0.0%
23.5%	56.0	56.0	0.0	0.0%
24.7%	56.0	56.0	0.0	0.0%
25.9%	56.0	56.0	0.0	0.0%
27.2%	56.0	56.0	0.0	-0.1%
28.4%	55.9	56.0	0.0	0.1%
29.6%	55.9	55.9	0.0	0.0%
30.9%	55.9	55.9	0.0	0.0%
32.1%	55.9	55.9	0.0	-0.1%
33.3%	55.8	55.8	-0.1	-0.1%
34.6%	55.8	55.8	-0.1	-0.1%
35.8%	55.8	55.8	-0.1	-0.1%
37.0%	55.8	55.8	-0.1	-0.1%
38.3%	55.8	55.8	-0.1	-0.1%
39.5%	55.8	55.7	0.0	-0.1%
40.7%	55.8	55.7	-0.1	-0.1%
42.0%	55.7	55.7	0.0	0.0%
43.2%	55.7	55.6	0.0	-0.1%
44.4%	55.7	55.6	0.0	-0.1%
45.7%	55.6	55.6	0.0	-0.1%
46.9%	55.6	55.6	0.0	-0.1%
48.1%	55.6	55.6	0.0	0.0%
49.4%	55.5	55.5	0.0	0.0%
50.6%	55.5	55.5	0.0	0.0%
51.9%	55.5	55.5	0.0	0.0%
53.1%	55.5	55.5	0.0	0.0%
54.3%	55.5	55.5	0.0	0.0%
55.6%	55.4	55.5	0.0	0.1%
56.8%	55.4	55.4	0.0	0.1%
58.0%	55.4	55.4	0.1	0.1%
59.3%	55.4	55.4	0.1	0.1%
60.5%	55.4	55.4	0.0	0.1%
61.7%	55.4	55.4	0.1	0.1%
63.0%	55.3	55.3	0.0	0.0%
64.2%	55.3	55.3	0.0	0.0%
65.4%	55.3	55.3	0.0	0.1%
66.7%	55.2	55.3	0.1	0.2%
67.9%	55.2	55.3	0.1	0.1%
69.1%	55.1	55.3	0.1	0.3%
70.4%	55.0	55.2	0.2	0.4%
71.6%	55.0	55.2	0.2	0.3%
72.8%	55.0	55.2	0.2	0.3%
74.1%	55.0	55.2	0.2	0.3%
75.3%	55.0	55.1	0.2	0.3%
76.5%	55.0	54.9	-0.1	-0.1%
77.8%	54.9	54.9	0.0	0.0%
79.0%	54.9	54.9	0.0	0.0%
80.2%	54.9	54.8	0.0	0.0%
81.5%	54.8	54.8	0.0	0.0%
82.7%	54.8	54.8	0.0	0.0%
84.0%	54.7	54.8	0.0	0.1%
85.2%	54.7	54.7	0.0	0.1%
86.4%	54.7	54.7	0.0	0.1%
87.7%	54.6	54.6	0.0	0.0%
88.9%	54.5	54.5	0.0	0.1%
90.1%	54.4	54.5	0.1	0.2%
91.4%	54.4	54.3	-0.1	-0.1%
92.6%	54.3	54.3	-0.1	-0.1%
93.8%	54.3	54.0	-0.2	-0.4%
95.1%	54.0	54.0	-0.1	-0.1%
96.3%	54.0	53.9	-0.1	-0.2%
97.5%	54.0	53.9	-0.1	-0.2%
98.8%	53.9	53.6	-0.3	-0.6%
100.0%	53.9	53.6	-0.3	-0.6%

December				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.7	55.5	-0.2	-0.3%
1.2%	55.2	54.9	-0.2	-0.4%
2.5%	55.1	54.8	-0.3	-0.6%
3.7%	54.8	54.7	-0.1	-0.2%
4.9%	54.6	54.3	-0.3	-0.6%
6.2%	54.6	54.3	-0.3	-0.6%
7.4%	54.2	53.9	-0.3	-0.6%
8.6%	54.0	53.8	-0.1	-0.3%
9.9%	53.6	53.8	0.1	0.3%
11.1%	53.6	53.8	0.2	0.3%
12.3%	53.5	53.7	0.1	0.3%
13.6%	53.5	53.7	0.2	0.3%
14.8%	53.5	53.7	0.2	0.3%
16.0%	53.5	53.7	0.2	0.3%
17.3%	53.5	53.6	0.1	0.2%
18.5%	53.4	53.5	0.1	0.2%
19.8%	53.3	53.5	0.2	0.4%
21.0%	53.3	53.3	0.0	0.1%
22.2%	53.2	53.2	0.0	0.0%
23.5%	53.2	53.2	0.0	0.0%
24.7%	53.2	53.2	0.0	0.0%
25.9%	53.1	53.2	0.1	0.2%
27.2%	53.1	53.2	0.1	0.2%
28.4%	53.1	53.1	0.0	0.1%
29.6%	53.0	53.1	0.0	0.1%
30.9%	53.0	53.0	0.0	0.0%
32.1%	53.0	52.9	0.0	-0.1%
33.3%	52.9	52.9	0.0	0.0%
34.6%	52.9	52.9	0.0	-0.1%
35.8%	52.7	52.8	0.2	0.3%
37.0%	52.6	52.7	0.1	0.1%
38.3%	52.6	52.7	0.1	0.1%
39.5%	52.5	52.7	0.2	0.3%
40.7%	52.5	52.6	0.2	0.3%
42.0%	52.5	52.6	0.1	0.3%
43.2%	52.4	52.6	0.1	0.3%
44.4%	52.4	52.6	0.1	0.3%
45.7%	52.4	52.5	0.1	0.3%
46.9%	52.3	52.5	0.1	0.3%
48.1%	52.3	52.4	0.1	0.2%
49.4%	52.3	52.3	0.1	0.1%
50.6%	52.2	52.3	0.1	0.2%
51.9%	52.2	52.1	0.0	-0.1%
53.1%	52.1	52.0	-0.1	-0.2%
54.3%	52.0	51.9	-0.1	-0.2%
55.6%	51.8	51.8	0.0	0.1%
56.8%	51.7	51.8	0.1	0.2%
58.0%	51.7	51.7	0.1	0.2%
59.3%	51.6	51.7	0.0	0.0%
60.5%	51.4	51.6	0.2	0.3%
61.7%	51.3	51.6	0.3	0.5%
63.0%	51.3	51.5	0.2	0.4%
64.2%	51.3	51.5	0.2	0.4%
65.4%	51.2	51.5	0.2	0.4%
66.7%	51.2	51.5	0.3	0.5%
67.9%	51.2	51.5	0.3	0.5%
69.1%	51.2	51.4	0.3	0.6%
70.4%	51.1	51.4	0.3	0.6%
71.6%	51.0	51.4	0.4	0.7%
72.8%	51.0	51.3	0.3	0.6%
74.1%	50.9	51.0	0.2	0.4%
75.3%	50.8	51.0	0.1	0.2%
76.5%	50.8	50.9	0.1	0.2%
77.8%	50.8	50.9	0.1	0.2%
79.0%	50.8	50.8	0.1	0.2%
80.2%	50.7	50.8	0.1	0.2%
81.5%	50.7	50.8	0.1	0.3%
82.7%	50.6	50.8	0.2	0.4%
84.0%	50.6	50.7	0.2	0.3%
85.2%	50.5	50.7	0.1	0.3%
86.4%	50.5	50.7	0.1	0.3%
87.7%	50.4	50.4	0.1	0.1%
88.9%	50.3	50.4	0.0	0.0%
90.1%	50.2	50.3	0.1	0.3%
91.4%	50.2	50.3	0.1	0.2%
92.6%	50.0	49.8	-0.2	-0.3%
93.8%	50.0	49.8	-0.2	-0.4%
95.1%	49.9	49.8	-0.2	-0.4%
96.3%	49.7	49.5	-0.2	-0.4%
97.5%	49.3	48.9	-0.4	-0.8%
98.8%	49.0	48.7	-0.3	-0.6%
100.0%	49.0	48.7	-0.3	-0.6%

January				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.5	54.5	0.0	0.0%
1.2%	51.7	51.6	-0.1	-0.2%
2.5%	51.7	51.4	-0.2	-0.5%
3.7%	51.3	51.3	0.0	-0.1%
4.9%	51.3	51.2	-0.1	-0.3%
6.2%	51.0	51.0	0.0	0.0%
7.4%	50.9	50.5	-0.5	-1.0%
8.6%	50.5	50.3	-0.3	-0.5%
9.9%	50.2	50.2	0.1	0.1%
11.1%	50.1	50.1	0.0	0.0%
12.3%	50.0	50.0	0.0	0.0%
13.6%	50.0	50.0	0.0	0.0%
14.8%	49.7	49.9	0.2	0.3%
16.0%	49.7	49.8	0.1	0.3%
17.3%	49.7	49.7	0.0	0.0%
18.5%	49.7	49.6	-0.1	-0.2%
19.8%	49.7	49.6	-0.1	-0.2%
21.0%	49.6	49.5	-0.1	-0.2%
22.2%	49.6	49.5	0.0	-0.1%
23.5%	49.4	49.5	0.1	0.2%
24.7%	49.4	49.5	0.1	0.2%
25.9%	49.3	49.3	0.0	0.0%
27.2%	49.3	49.3	0.0	0.1%
28.4%	49.3	49.2	-0.1	-0.1%
29.6%	49.1	49.1	0.0	0.0%
30.9%	49.0	49.0	0.0	-0.1%
32.1%	48.9	49.0	0.0	0.1%
33.3%	48.9	48.9	0.0	0.0%
34.6%	48.8	48.9	0.0	0.1%
35.8%	48.8	48.9	0.0	0.1%
37.0%	48.8	48.9	0.1	0.1%
38.3%	48.7	48.9	0.2	0.4%
39.5%	48.6	48.8	0.2	0.5%
40.7%	48.5	48.6	0.0	0.1%
42.0%	48.5	48.6	0.1	0.2%
43.2%	48.4	48.4	0.0	0.0%
44.4%	48.4	48.4	0.0	0.1%
45.7%	48.4	48.4	0.0	0.1%
46.9%	48.3	48.4	0.1	0.1%
48.1%	48.3	48.3	0.0	0.0%
49.4%	48.3	48.2	-0.1	-0.2%
50.6%	48.2	48.2	0.0	-0.1%
51.9%	48.2	48.2	0.0	0.0%
53.1%	48.1	48.2	0.1	0.2%
54.3%	48.0	48.1	0.1	0.2%
55.6%	48.0	48.1	0.1	0.2%
56.8%	48.0	48.0	0.0	0.1%
58.0%	47.9	48.0	0.1	0.2%
59.3%	47.9	48.0	0.1	0.2%
60.5%	47.9	47.9	0.1	0.2%
61.7%	47.8	47.9	0.1	0.1%
63.0%	47.7	47.8	0.1	0.3%
64.2%	47.6	47.7	0.1	0.2%
65.4%	47.6	47.7	0.0	0.1%
66.7%	47.6	47.6	0.0	0.0%
67.9%	47.6	47.6	0.0	-0.1%
69.1%	47.6	47.5	-0.1	-0.2%
70.4%	47.6	47.4	-0.1	-0.3%
71.6%	47.5	47.4	-0.1	-0.2%
72.8%	47.5	47.3	-0.2	-0.3%
74.1%	47.5	47.2	-0.3	-0.6%
75.3%	47.5	47.1	-0.3	-0.7%
76.5%	47.3	47.0	-0.2	-0.5%
77.8%	47.1	47.0	-0.1	-0.3%
79.0%	47.1	47.0	-0.1	-0.3%
80.2%	47.0	47.0	0.0	-0.1%
81.5%	47.0	46.9	-0.1	-0.2%
82.7%	46.7	46.8	0.2	0.3%
84.0%	46.7	46.8	0.1	0.2%
85.2%	46.7	46.5	-0.1	-0.3%
86.4%	46.6	46.5	0.0	-0.1%
87.7%	46.6	46.4	-0.2	-0.4%
88.9%	46.5	46.3	-0.2	-0.5%
90.1%	46.2	46.1	-0.1	-0.2%
91.4%	46.2	45.9	-0.2	-0.4%
92.6%	46.0	45.9	-0.1	-0.1%
93.8%	45.9	45.9	0.0	0.0%
95.1%	45.4	45.2	-0.2	-0.5%
96.3%	45.4	45.2	-0.2	-0.4%
97.5%	45.3	45.1	-0.2	-0.3%
98.8%	45.2	45.0	-0.2	-0.4%
100.0%	45.2	45.0	-0.2	-0.4%

Table SQ2-1b

Sacramento River below Keswick, Monthly Temperature

Probability of Exceedance

February				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.4	52.2	-0.2	-0.3%
1.2%	50.2	50.4	0.1	0.2%
2.5%	49.4	49.4	0.0	0.0%
3.7%	49.1	49.4	0.3	0.7%
4.9%	49.0	49.1	0.1	0.2%
6.2%	48.7	48.8	0.0	0.1%
7.4%	48.7	48.6	-0.1	-0.1%
8.6%	48.5	48.6	0.0	0.1%
9.9%	48.5	48.5	0.0	0.1%
11.1%	48.5	48.5	0.0	0.1%
12.3%	48.5	48.5	0.0	0.1%
13.6%	48.3	48.5	0.2	0.3%
14.8%	48.3	48.4	0.2	0.3%
16.0%	48.2	48.3	0.0	0.1%
17.3%	48.2	48.3	0.1	0.2%
18.5%	48.1	48.1	0.1	0.1%
19.8%	48.1	48.0	0.0	0.0%
21.0%	48.0	48.0	0.0	-0.1%
22.2%	48.0	47.8	-0.2	-0.4%
23.5%	47.9	47.7	-0.2	-0.3%
24.7%	47.8	47.7	-0.1	-0.2%
25.9%	47.8	47.7	-0.1	-0.2%
27.2%	47.8	47.7	-0.1	-0.2%
28.4%	47.7	47.7	0.0	-0.1%
29.6%	47.7	47.7	0.0	-0.1%
30.9%	47.6	47.6	0.0	0.0%
32.1%	47.6	47.6	0.0	0.0%
33.3%	47.6	47.6	0.1	0.1%
34.6%	47.5	47.6	0.1	0.1%
35.8%	47.5	47.6	0.0	0.1%
37.0%	47.5	47.5	0.0	0.0%
38.3%	47.5	47.5	0.0	0.0%
39.5%	47.4	47.4	0.0	0.0%
40.7%	47.3	47.2	0.0	0.0%
42.0%	47.2	47.2	-0.1	-0.1%
43.2%	47.1	47.1	0.0	0.0%
44.4%	47.1	47.0	-0.1	-0.2%
45.7%	47.0	47.0	-0.1	-0.1%
46.9%	47.0	46.9	0.0	-0.1%
48.1%	46.9	46.9	0.0	-0.1%
49.4%	46.9	46.9	0.0	-0.1%
50.6%	46.7	46.8	0.1	0.1%
51.9%	46.7	46.6	-0.1	-0.3%
53.1%	46.7	46.5	-0.1	-0.2%
54.3%	46.6	46.5	-0.1	-0.3%
55.6%	46.5	46.5	0.0	0.0%
56.8%	46.4	46.4	0.0	0.0%
58.0%	46.4	46.4	0.0	-0.1%
59.3%	46.4	46.3	-0.1	-0.1%
60.5%	46.4	46.3	0.0	-0.1%
61.7%	46.2	46.2	0.0	0.0%
63.0%	46.2	46.2	0.0	0.0%
64.2%	46.2	46.1	-0.1	-0.1%
65.4%	46.1	46.1	0.0	0.0%
66.7%	46.1	46.1	-0.1	-0.2%
67.9%	46.1	46.0	0.0	0.0%
69.1%	46.1	45.9	-0.1	-0.3%
70.4%	46.0	45.9	-0.1	-0.3%
71.6%	46.0	45.9	-0.1	-0.3%
72.8%	45.8	45.8	0.0	0.0%
74.1%	45.7	45.6	0.0	-0.1%
75.3%	45.7	45.6	0.0	-0.1%
76.5%	45.6	45.6	0.0	-0.1%
77.8%	45.6	45.6	0.0	-0.1%
79.0%	45.6	45.5	-0.1	-0.2%
80.2%	45.5	45.4	-0.1	-0.3%
81.5%	45.5	45.3	-0.1	-0.3%
82.7%	45.5	45.3	-0.1	-0.3%
84.0%	45.5	45.3	-0.2	-0.4%
85.2%	45.4	45.3	-0.2	-0.4%
86.4%	45.4	45.2	-0.2	-0.5%
87.7%	45.2	45.1	-0.1	-0.1%
88.9%	45.0	44.9	-0.1	-0.2%
90.1%	44.9	44.8	-0.1	-0.2%
91.4%	44.9	44.7	-0.1	-0.3%
92.6%	44.8	44.7	-0.2	-0.3%
93.8%	44.8	44.6	-0.2	-0.4%
95.1%	44.7	44.6	-0.1	-0.1%
96.3%	44.5	44.3	-0.1	-0.3%
97.5%	44.4	44.3	-0.1	-0.3%
98.8%	43.7	43.6	-0.1	-0.2%
100.0%	43.7	43.6	-0.1	-0.2%

March				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.4	52.5	0.1	0.1%
1.2%	50.6	50.7	0.0	0.1%
2.5%	50.1	50.2	0.1	0.3%
3.7%	50.0	50.0	0.1	0.1%
4.9%	49.9	49.8	-0.1	-0.1%
6.2%	49.7	49.7	0.0	-0.1%
7.4%	49.6	49.7	0.1	0.2%
8.6%	49.4	49.4	0.0	0.0%
9.9%	49.4	49.4	0.0	0.1%
11.1%	49.3	49.3	0.0	0.0%
12.3%	49.3	49.3	0.0	0.0%
13.6%	49.2	49.3	0.0	0.1%
14.8%	49.1	49.3	0.2	0.4%
16.0%	49.1	49.1	0.1	0.2%
17.3%	48.8	49.0	0.2	0.5%
18.5%	48.7	49.0	0.3	0.7%
19.8%	48.6	48.8	0.2	0.4%
21.0%	48.5	48.6	0.1	0.1%
22.2%	48.5	48.6	0.1	0.1%
23.5%	48.5	48.5	0.0	0.1%
24.7%	48.5	48.4	0.0	-0.1%
25.9%	48.4	48.4	0.1	0.1%
27.2%	48.4	48.3	0.0	-0.1%
28.4%	48.4	48.3	-0.1	-0.1%
29.6%	48.3	48.3	0.0	-0.1%
30.9%	48.3	48.2	-0.1	-0.2%
32.1%	48.2	48.1	-0.1	-0.2%
33.3%	48.2	48.1	-0.1	-0.2%
34.6%	48.1	48.1	-0.1	-0.1%
35.8%	48.0	48.1	0.0	0.1%
37.0%	47.9	47.9	0.0	0.0%
38.3%	47.8	47.9	0.0	0.1%
39.5%	47.8	47.8	0.0	-0.1%
40.7%	47.8	47.8	0.0	-0.1%
42.0%	47.8	47.8	0.0	0.0%
43.2%	47.7	47.7	0.0	0.0%
44.4%	47.6	47.7	0.1	0.3%
45.7%	47.4	47.5	0.0	0.1%
46.9%	47.4	47.3	-0.1	-0.3%
48.1%	47.4	47.3	0.0	-0.1%
49.4%	47.3	47.3	0.0	0.0%
50.6%	47.2	47.3	0.0	0.0%
51.9%	47.2	47.2	0.0	0.0%
53.1%	47.2	47.2	0.0	0.1%
54.3%	47.2	47.1	0.0	-0.1%
55.6%	47.1	47.1	-0.1	-0.2%
56.8%	47.1	47.0	-0.1	-0.2%
58.0%	47.0	47.0	0.0	-0.1%
59.3%	47.0	47.0	0.0	-0.1%
60.5%	46.9	46.9	0.0	0.0%
61.7%	46.9	46.8	-0.1	-0.1%
63.0%	46.8	46.8	0.0	0.1%
64.2%	46.8	46.8	0.0	0.1%
65.4%	46.7	46.7	-0.1	-0.1%
66.7%	46.7	46.6	-0.1	-0.2%
67.9%	46.7	46.6	-0.1	-0.3%
69.1%	46.7	46.6	-0.1	-0.2%
70.4%	46.5	46.5	0.1	0.1%
71.6%	46.4	46.4	0.0	0.1%
72.8%	46.4	46.3	0.0	-0.1%
74.1%	46.4	46.3	0.0	-0.1%
75.3%	46.3	46.3	0.0	-0.1%
76.5%	46.3	46.3	0.0	0.0%
77.8%	46.3	46.3	0.0	0.0%
79.0%	46.2	46.2	0.0	-0.1%
80.2%	46.2	46.2	0.0	-0.1%
81.5%	46.1	46.1	0.1	0.1%
82.7%	46.0	46.1	0.0	0.1%
84.0%	46.0	45.9	-0.1	-0.1%
85.2%	45.9	45.9	-0.1	-0.2%
86.4%	45.8	45.8	0.0	-0.1%
87.7%	45.7	45.7	0.0	0.0%
88.9%	45.7	45.7	0.0	0.0%
90.1%	45.6	45.7	0.0	0.1%
91.4%	45.6	45.6	0.0	0.1%
92.6%	45.5	45.5	0.0	-0.1%
93.8%	45.5	45.5	0.0	0.0%
95.1%	45.4	45.4	0.0	0.1%
96.3%	45.3	45.3	0.0	0.1%
97.5%	45.3	45.3	0.0	0.0%
98.8%	45.3	45.3	0.0	0.0%
100.0%	45.3	45.3	0.0	0.0%

April				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.0	53.1	0.0	0.0%
1.2%	51.4	52.6	1.2	2.3%
2.5%	51.4	51.6	0.2	0.5%
3.7%	50.6	50.6	0.0	0.0%
4.9%	50.6	50.6	0.0	0.0%
6.2%	50.2	50.1	-0.2	-0.4%
7.4%	50.0	50.1	0.0	0.0%
8.6%	49.8	50.0	0.1	0.3%
9.9%	49.8	49.9	0.1	0.2%
11.1%	49.7	49.8	0.1	0.2%
12.3%	49.7	49.8	0.1	0.2%
13.6%	49.7	49.8	0.1	0.2%
14.8%	49.6	49.7	0.1	0.1%
16.0%	49.6	49.6	0.0	0.1%
17.3%	49.6	49.5	0.0	-0.1%
18.5%	49.5	49.5	-0.1	-0.1%
19.8%	49.5	49.4	-0.1	-0.2%
21.0%	49.5	49.4	-0.1	-0.3%
22.2%	49.4	49.4	-0.1	-0.2%
23.5%	49.4	49.3	-0.1	-0.2%
24.7%	49.4	49.2	-0.1	-0.2%
25.9%	49.3	49.2	-0.1	-0.2%
27.2%	49.3	49.2	-0.1	-0.2%
28.4%	49.0	49.1	0.1	0.2%
29.6%	49.0	49.1	0.1	0.2%
30.9%	49.0	49.0	0.0	0.1%
32.1%	48.9	49.0	0.1	0.1%
33.3%	48.9	49.0	0.1	0.1%
34.6%	48.8	48.9	0.1	0.3%
35.8%	48.7	48.9	0.2	0.4%
37.0%	48.7	48.8	0.1	0.2%
38.3%	48.7	48.8	0.1	0.2%
39.5%	48.7	48.8	0.1	0.3%
40.7%	48.6	48.7	0.1	0.2%
42.0%	48.6	48.6	0.0	0.0%
43.2%	48.6	48.6	0.0	0.0%
44.4%	48.6	48.6	0.0	0.0%
45.7%	48.5	48.5	0.0	0.0%
46.9%	48.5	48.5	0.1	0.2%
48.1%	48.4	48.5	0.1	0.1%
49.4%	48.4	48.4	0.1	0.1%
50.6%	48.4	48.4	0.1	0.1%
51.9%	48.4	48.4	0.1	0.1%
53.1%	48.4	48.4	0.0	0.1%
54.3%	48.3	48.4	0.0	0.1%
55.6%	48.3	48.3	0.0	0.0%
56.8%	48.2	48.3	0.1	0.1%
58.0%	48.0	48.3	0.2	0.4%
59.3%	48.0	48.1	0.1	0.2%
60.5%	48.0	48.1	0.1	0.2%
61.7%	48.0	48.1	0.1	0.2%
63.0%	47.9	48.1	0.1	0.2%
64.2%	47.9	48.0	0.1	0.2%
65.4%	47.9	47.9	0.1	0.1%
66.7%	47.8	47.9	0.1	0.2%
67.9%	47.8	47.9	0.1	0.2%
69.1%	47.8	47.9	0.1	0.1%
70.4%	47.8	47.8	0.1	0.1%
71.6%	47.7	47.8	0.1	0.2%
72.8%	47.6	47.7	0.1	0.2%
74.1%	47.6	47.7	0.1	0.2%
75.3%	47.6	47.7	0.1	0.3%
76.5%	47.5	47.6	0.1	0.2%
77.8%	47.5	47.6	0.1	0.2%
79.0%	47.3	47.5	0.2	0.3%
80.2%	47.3	47.5	0.2	0.5%
81.5%	47.2	47.3	0.1	0.1%
82.7%	47.2	47.3	0.1	0.2%
84.0%	47.2	47.2	0.0	0.0%
85.2%	47.0	47.2	0.2	0.3%
86.4%	47.0	47.1	0.2	0.3%
87.7%	46.9	47.1	0.2	0.5%
88.9%	46.8	47.0	0.2	0.4%
90.1%	46.8	47.0	0.2	0.4%
91.4%	46.8	47.0	0.2	0.4%
92.6%	46.8	46.9	0.1	0.3%
93.8%	46.8	46.9	0.1	0.3%
95.1%	46.7	46.9	0.2	0.4%
96.3%	46.5	46.7	0.2	0.4%
97.5%	46.2	46.5	0.3	0.6%
98.8%	46.1	46.5	0.4	0.8%
100.0%	46.1	46.5	0.4	0.8%

May				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.0	55.8	0.8	1.5%
1.2%	53.6	55.0	1.4	2.7%
2.5%	52.2	54.1	1.9	3.6%
3.7%	51.2	52.4	1.2	2.3%
4.9%	51.2	51.6	0.4	0.8%
6.2%	51.1	51.5	0.3	0.7%
7.4%	51.0	51.3	0.3	0.6%
8.6%	50.9	51.2	0.3	0.7%
9.9%	50.9	51.1	0.3	0.5%
11.1%	50.8	51.0	0.2	0.4%
12.3%	50.6	50.9	0.2	0.4%
13.6%	50.6	50.8	0.1	0.3%
14.8%	50.6	50.7	0.1	0.3%
16.0%	50.5	50.7	0.2	0.3%
17.3%	50.4	50.7	0.2	0.5%
18.5%	50.4	50.7	0.3	0.6%
19.8%	50.4	50.6	0.3	0.5%
21.0%	50.3	50.6	0.3	0.6%
22.2%	50.2	50.4	0.2	0.3%
23.5%	50.0	50.4	0.4	0.7%
24.7%	50.0	50.3	0.3	0.7%
25.9%	50.0	50.2	0.3	0.5%
27.2%	49.9	50.2	0.2	0.5%
28.4%	49.9	50.1	0.2	0.4%
29.6%	49.9	50.1	0.2	0.4%
30.9%	49.9	50.1	0.2	0.4%
32.1%	49.9	50.1	0.2	0.4%
33.3%	49.9	50.0	0.2	0.4%
34.6%	49.8	50.0	0.2	0.4%
35.8%	49.8	50.0	0.2	0.5%
37.0%	49.7	49.9	0.2	0.4%
38.3%	49.7	49.9	0.2	0.4%
39.5%	49.7	49.9	0.2	0.5%
40.7%	49.6	49.9	0.2	0.5%
42.0%	49.6	49.9	0.3	0.6%
43.2%	49.5	49.8	0.3	0.6%
44.4%	49.5	49.8	0.3	0.6%
45.7%	49.5	49.7	0.3	0.5%
46.9%	49.5	49.6	0.2	0.3%
48.1%	49.4	49.6	0.2	0.4%
49.4%	49.4	49.5	0.2	0.3%
50.6%	49.4	49.5	0.2	0.3%
51.9%	49.3	49.5	0.1	0.3%
53.1%	49.3	49.5	0.1	0.3%
54.3%	49.3	49.4	0.2	0.3%
55.6%	49.3	49.4	0.1	0.3%
56.8%	49.3	49.4	0.2	0.3%
58.0%	49.2	49.4	0.2	0.3%
59.3%	49.1	49.4	0.3	0.6%
60.5%	49.1	49.4	0.3	0.6%
61.7%	49.0	49.3	0.3	0.6%
63.0%	49.0	49.3	0.3	0.6%
64.2%	49.0	49.3	0.3	0.6%
65.4%	49.0	49.2	0.3	0.5%
66.7%	49.0	49.2	0.2	0.4%
67.9%	48.9	49.2	0.3	0.6%
69.1%	48.9	49.1	0.3	0.5%
70.4%	48.9	49.1	0.2	0.5%
71.6%	48.8	49.1	0.3	0.6%
72.8%	48.8	49.0	0.3	0.5%
74.1%	48.8	49.0	0.2	0.5%
75.3%	48.7	49.0	0.2	0.5%
76.5%	48.7	49.0	0.2	0.5%
77.8%	48.7	48.9	0.2	0.5%
79.0%	48.7	48.9	0.2	0.5%
80.2%	48.6	48.9	0.3	0.6%
81.5%	48.6	48.9	0.3	0.6%
82.7%	48.6	48.8	0.2	0.5%
84.0%	48.5	48.8	0.3	0.6%
85.2%	48.5	48.7	0.2	0.4%
86.4%	48.5	48.7	0.2	0.4%
87.7%	48.4	48.6	0.2	0.4%
88.9%	48.4	48.6	0.2	0.4%
90.1%	48.3	48.5	0.3	0.6%
91.4%	48.2	48.5	0.3	0.6%
92.6%	48.1	48.4	0.3	0.6%
93.8%	48.1	48.4	0.3	0.6%
95.1%	48.0	48.1	0.1	0.3%
96.3%	47.8	48.0	0.2	0.4%
97.5%	47.5	47.9	0.4	0.9%
98.8%	47.3	47.7	0.4	0.9%
100.0%	47.3	47.7	0.4	0.9%

Table SQ2-1b

Sacramento River below Keswick, Monthly Temperature

Probability of Exceedance

June				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.7	54.7	0.0	-0.1%
1.2%	54.2	53.6	-0.6	-1.2%
2.5%	53.7	53.2	-0.5	-0.9%
3.7%	53.5	53.1	-0.4	-0.8%
4.9%	53.1	52.5	-0.6	-1.2%
6.2%	52.8	52.5	-0.3	-0.6%
7.4%	52.5	52.4	-0.1	-0.2%
8.6%	52.2	52.2	0.1	0.1%
9.9%	52.1	52.2	0.1	0.1%
11.1%	52.0	52.2	0.2	0.3%
12.3%	51.9	52.0	0.1	0.2%
13.6%	51.7	52.0	0.3	0.5%
14.8%	51.7	51.9	0.2	0.4%
16.0%	51.6	51.9	0.3	0.5%
17.3%	51.5	51.7	0.2	0.4%
18.5%	51.5	51.6	0.1	0.3%
19.8%	51.4	51.6	0.1	0.3%
21.0%	51.4	51.6	0.2	0.3%
22.2%	51.3	51.5	0.2	0.4%
23.5%	51.3	51.4	0.1	0.2%
24.7%	51.2	51.3	0.1	0.2%
25.9%	51.2	51.2	0.0	0.1%
27.2%	51.1	51.2	0.1	0.1%
28.4%	51.1	51.1	0.0	0.0%
29.6%	51.1	51.1	0.0	0.1%
30.9%	51.0	51.0	0.0	0.1%
32.1%	50.9	51.0	0.0	0.1%
33.3%	50.9	50.9	0.1	0.2%
34.6%	50.8	50.9	0.0	0.1%
35.8%	50.6	50.9	0.3	0.5%
37.0%	50.6	50.8	0.3	0.6%
38.3%	50.5	50.8	0.3	0.5%
39.5%	50.5	50.7	0.3	0.5%
40.7%	50.5	50.7	0.3	0.5%
42.0%	50.4	50.7	0.3	0.5%
43.2%	50.4	50.6	0.2	0.4%
44.4%	50.4	50.6	0.2	0.4%
45.7%	50.3	50.5	0.2	0.4%
46.9%	50.3	50.5	0.2	0.5%
48.1%	50.3	50.5	0.2	0.5%
49.4%	50.3	50.5	0.2	0.5%
50.6%	50.1	50.5	0.3	0.7%
51.9%	50.1	50.5	0.4	0.8%
53.1%	50.1	50.5	0.4	0.8%
54.3%	50.0	50.5	0.4	0.9%
55.6%	50.0	50.5	0.4	0.8%
56.8%	50.0	50.5	0.4	0.8%
58.0%	50.0	50.4	0.4	0.9%
59.3%	50.0	50.2	0.3	0.5%
60.5%	50.0	50.2	0.2	0.4%
61.7%	49.9	50.2	0.2	0.5%
63.0%	49.9	50.0	0.1	0.3%
64.2%	49.9	50.0	0.2	0.3%
65.4%	49.8	50.0	0.2	0.4%
66.7%	49.8	50.0	0.2	0.4%
67.9%	49.8	49.9	0.2	0.4%
69.1%	49.7	49.9	0.2	0.5%
70.4%	49.7	49.9	0.2	0.5%
71.6%	49.6	49.9	0.3	0.5%
72.8%	49.5	49.8	0.2	0.5%
74.1%	49.5	49.8	0.3	0.6%
75.3%	49.5	49.8	0.3	0.6%
76.5%	49.3	49.7	0.4	0.8%
77.8%	49.3	49.7	0.4	0.8%
79.0%	49.2	49.7	0.4	0.9%
80.2%	49.2	49.6	0.4	0.9%
81.5%	49.2	49.6	0.4	0.9%
82.7%	49.1	49.6	0.4	0.9%
84.0%	49.1	49.6	0.5	1.0%
85.2%	49.1	49.5	0.4	0.9%
86.4%	49.0	49.5	0.5	0.9%
87.7%	49.0	49.5	0.5	0.9%
88.9%	49.0	49.4	0.4	0.9%
90.1%	49.0	49.4	0.4	0.8%
91.4%	49.0	49.4	0.4	0.8%
92.6%	49.0	49.3	0.4	0.8%
93.8%	48.9	49.3	0.5	0.9%
95.1%	48.8	49.3	0.5	1.0%
96.3%	48.8	49.1	0.3	0.6%
97.5%	48.5	48.9	0.4	0.9%
98.8%	48.4	48.6	0.2	0.4%
100.0%	48.4	48.6	0.2	0.4%

July				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.4	55.1	-1.4	-2.4%
1.2%	55.2	55.0	-0.1	-0.3%
2.5%	55.0	54.6	-0.4	-0.7%
3.7%	54.8	54.4	-0.4	-0.7%
4.9%	54.5	54.4	-0.1	-0.3%
6.2%	54.4	54.4	-0.1	-0.1%
7.4%	54.4	54.3	-0.1	-0.1%
8.6%	54.3	54.3	0.0	0.0%
9.9%	54.2	54.2	0.1	0.1%
11.1%	54.0	54.0	0.0	0.0%
12.3%	53.9	53.9	0.0	-0.1%
13.6%	53.9	53.8	0.0	-0.1%
14.8%	53.8	53.8	0.0	-0.1%
16.0%	53.8	53.7	-0.1	-0.2%
17.3%	53.8	53.7	-0.1	-0.1%
18.5%	53.8	53.7	-0.1	-0.2%
19.8%	53.6	53.6	0.0	0.0%
21.0%	53.5	53.5	0.0	0.1%
22.2%	53.3	53.5	0.2	0.4%
23.5%	53.2	53.5	0.3	0.5%
24.7%	53.2	53.3	0.1	0.3%
25.9%	53.0	53.2	0.2	0.4%
27.2%	53.0	53.1	0.1	0.2%
28.4%	52.9	52.8	-0.1	-0.1%
29.6%	52.7	52.8	0.1	0.2%
30.9%	52.7	52.8	0.1	0.2%
32.1%	52.6	52.7	0.1	0.2%
33.3%	52.5	52.7	0.2	0.4%
34.6%	52.3	52.7	0.4	0.7%
35.8%	52.3	52.7	0.3	0.7%
37.0%	52.2	52.6	0.3	0.6%
38.3%	52.2	52.6	0.3	0.7%
39.5%	52.1	52.5	0.3	0.6%
40.7%	52.1	52.4	0.3	0.6%
42.0%	52.0	52.4	0.4	0.7%
43.2%	52.0	52.4	0.4	0.7%
44.4%	52.0	52.3	0.3	0.5%
45.7%	51.9	52.3	0.4	0.8%
46.9%	51.9	52.2	0.3	0.6%
48.1%	51.8	52.2	0.3	0.6%
49.4%	51.8	52.2	0.4	0.7%
50.6%	51.7	52.1	0.4	0.8%
51.9%	51.7	52.1	0.3	0.7%
53.1%	51.7	52.0	0.3	0.7%
54.3%	51.6	52.0	0.4	0.7%
55.6%	51.6	52.0	0.4	0.7%
56.8%	51.6	51.9	0.3	0.6%
58.0%	51.6	51.9	0.3	0.6%
59.3%	51.5	51.8	0.4	0.7%
60.5%	51.4	51.8	0.3	0.7%
61.7%	51.4	51.7	0.3	0.6%
63.0%	51.4	51.5	0.1	0.3%
64.2%	51.3	51.5	0.2	0.3%
65.4%	51.3	51.5	0.2	0.3%
66.7%	51.3	51.4	0.1	0.3%
67.9%	51.2	51.4	0.2	0.5%
69.1%	51.1	51.4	0.2	0.5%
70.4%	51.0	51.3	0.3	0.6%
71.6%	51.0	51.3	0.3	0.5%
72.8%	51.0	51.3	0.3	0.5%
74.1%	51.0	51.2	0.3	0.5%
75.3%	51.0	51.2	0.3	0.5%
76.5%	50.9	51.2	0.3	0.6%
77.8%	50.9	51.2	0.3	0.6%
79.0%	50.8	51.1	0.3	0.6%
80.2%	50.8	51.1	0.3	0.6%
81.5%	50.8	51.1	0.3	0.7%
82.7%	50.7	51.1	0.4	0.8%
84.0%	50.7	51.0	0.3	0.6%
85.2%	50.7	50.9	0.3	0.5%
86.4%	50.5	50.8	0.3	0.5%
87.7%	50.5	50.8	0.3	0.5%
88.9%	50.5	50.8	0.2	0.5%
90.1%	50.4	50.7	0.4	0.7%
91.4%	50.4	50.6	0.3	0.6%
92.6%	50.4	50.6	0.3	0.5%
93.8%	50.3	50.4	0.1	0.2%
95.1%	50.0	50.4	0.3	0.7%
96.3%	49.9	50.3	0.4	0.8%
97.5%	49.8	49.7	0.0	0.0%
98.8%	49.6	49.7	0.1	0.2%
100.0%	49.6	49.7	0.1	0.2%

August				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	63.8	59.4	-4.4	-6.9%
1.2%	56.9	54.7	-2.3	-4.0%
2.5%	55.2	54.5	-0.7	-1.3%
3.7%	55.2	54.5	-0.7	-1.3%
4.9%	55.1	54.4	-0.7	-1.2%
6.2%	54.9	54.4	-0.6	-1.1%
7.4%	54.6	54.2	-0.3	-0.6%
8.6%	54.4	54.2	-0.1	-0.3%
9.9%	54.4	54.2	-0.2	-0.3%
11.1%	54.4	54.2	-0.2	-0.3%
12.3%	54.2	54.2	-0.1	-0.1%
13.6%	54.2	54.2	-0.1	-0.1%
14.8%	54.2	54.1	-0.1	-0.3%
16.0%	54.2	54.0	-0.1	-0.3%
17.3%	54.2	54.0	-0.2	-0.3%
18.5%	54.2	53.9	-0.2	-0.4%
19.8%	54.1	53.9	-0.2	-0.5%
21.0%	54.1	53.9	-0.2	-0.4%
22.2%	54.0	53.9	-0.2	-0.3%
23.5%	54.0	53.8	-0.1	-0.2%
24.7%	53.9	53.8	-0.1	-0.2%
25.9%	53.9	53.8	-0.1	-0.3%
27.2%	53.9	53.8	-0.1	-0.2%
28.4%	53.8	53.7	-0.1	-0.2%
29.6%	53.7	53.7	0.0	0.0%
30.9%	53.7	53.7	0.0	0.0%
32.1%	53.7	53.7	0.0	-0.1%
33.3%	53.7	53.7	0.0	0.0%
34.6%	53.6	53.7	0.1	0.1%
35.8%	53.6	53.6	0.1	0.1%
37.0%	53.5	53.5	0.0	0.0%
38.3%	53.5	53.5	-0.1	-0.1%
39.5%	53.5	53.4	-0.1	-0.2%
40.7%	53.5	53.4	-0.1	-0.1%
42.0%	53.4	53.4	0.0	0.0%
43.2%	53.4	53.4	0.0	0.0%
44.4%	53.4	53.3	-0.1	-0.2%
45.7%	53.3	53.3	-0.1	-0.1%
46.9%	53.3	53.2	-0.1	-0.2%
48.1%	53.3	53.2	0.0	-0.1%
49.4%	53.3	53.2	-0.1	-0.2%
50.6%	53.3	53.1	-0.1	-0.2%
51.9%	53.2	53.1	-0.1	-0.2%
53.1%	53.1	53.0	-0.1	-0.2%
54.3%	53.0	52.8	-0.2	-0.4%
55.6%	53.0	52.8	-0.2	-0.4%
56.8%	52.9	52.8	-0.1	-0.3%
58.0%	52.9	52.8	-0.1	-0.2%
59.3%	52.9	52.7	-0.1	-0.3%
60.5%	52.9	52.5	-0.3	-0.6%
61.7%	52.7	52.5	-0.3	-0.6%
63.0%	52.6	52.4	-0.2	-0.4%
64.2%	52.6	52.4	-0.2	-0.4%
65.4%	52.6	52.4	-0.2	-0.4%
66.7%	52.6	52.4	-0.2	-0.4%
67.9%	52.5	52.3	-0.2	-0.4%
69.1%	52.5	52.2	-0.3	-0.5%
70.4%	52.4	52.1	-0.3	-0.6%
71.6%	52.3	52.1	-0.2	-0.4%
72.8%	52.3	52.1	-0.2	-0.4%
74.1%	52.3	52.0	-0.3	-0.5%
75.3%	52.2	52.0	-0.2	-0.3%
76.5%	52.2	52.0	-0.1	-0.3%
77.8%	52.2	52.0	-0.2	-0.3%
79.0%	52.1	52.0	-0.2	-0.3%
80.2%	52.1	52.0	-0.2	-0.3%
81.5%	52.0	51.9	0.0	0.0%
82.7%	51.9	51.8	-0.1	-0.2%
84.0%	51.9	51.8	-0.1	-0.3%
85.2%	51.9	51.8	-0.1	-0.2%
86.4%	51.9	51.8	-0.1	-0.3%
87.7%	51.9	51.8	-0.1	-0.2%
88.9%	51.7	51.8	0.1	0.1%
90.1%	51.6	51.6	0.1	0.1%
91.4%	51.5	51.4	-0.1	-0.2%
92.6%	51.5	51.2	-0.3	-0.5%
93.8%	51.3	51.1	-0.2	-0.4%
95.1%	51.1	50.9	-0.1	-0.3%
96.3%	51.0	50.7	-0.3	-0.6%
97.5%	50.9	50.7	-0.2	-0.5%
98.8%	50.9	50.6	-0.3	-0.7%
100.0%	50.9	50.6	-0.3	-0.7%

September				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	65.2	65.2	0.0	0.0%
1.2%	62.7	58.1	-4.6	-7.3%
2.5%	60.4	56.8	-3.6	-5.9%
3.7%	56.5	56.1	-0.4	-0.7%
4.9%	56.4	55.4	-0.9	-1.7%
6.2%	55.4	55.1	-0.3	-0.6%
7.4%	54.9	55.0	0.1	0.2%
8.6%	54.8	54.9	0.0	0.0%
9.9%	54.7	54.8	0.1	0.2%
11.1%	54.5	54.3	-0.2	-0.4%
12.3%	54.4	54.3	-0.1	-0.2%
13.6%	54.3	54.1	-0.2	-0.3%
14.8%	54.2	54.0	-0.1	-0.3%
16.0%	54.1	54.0	-0.1	-0.3%
17.3%	54.1	53.9	-0.2	-0.3%
18.5%	54.1	53.9	-0.2	-0.3%
19.8%	54.0	53.8	-0.2	-0.3%
21.0%	53.9	53.8	-0.2	-0.3%
22.2%	53.9	53.8	-0.2	-0.3%
23.5%	53.9	53.8	-0.1	-0.2%
24.7%	53.8	53.8	0.0	0.0%
25.9%	53.7	53.7	0.0	0.1%
27.2%	53.6	53.7	0.2	0.3%
28.4%	53.6	53.7	0.2	0.3%
29.6%	53.5	53.7	0.1	0.3%
30.9%	53.4	53.6	0.2	0.4%
32.1%	53.4	53.6	0.2	0.4%
33.3%	53.4	53.6	0.2	0.5%
34.6%	53.3	53.6	0.3	0.5%
35.8%	53.3	53.5	0.2	0.4%
37.0%	53.2	53.4	0.2	0.3%
38.3%	53.2	53.3	0.1	0.3%
39.5%	53.0	53.2	0.2	0.3%
40.7%	52.9	53.1	0.1	0.2%
42.0%	52.9	53.1	0.1	0.2%
43.2%	52.6	53.0	0.5	0.9%
44.4%	52.6	52.8	0.2	0.5%
45.7%	52.5	52.7	0.2	0.4%
46.9%	52.5	52.7	0.2	0.4%
48.1%	52.3	52.7	0.3	0.6%
49.4%	52.3	52.7	0.4	0.7%
50.6%	52.3	52.6	0.4	0.7%
51.9%	52.3	52.6	0.4	0.7%
53.1%	52.2	52.6	0.4	0.7%
54.3%	52.2	52.6	0.4	0.7%
55.6%	52.2	52.5	0.4	0.7%
56.8%	52.1	52.5	0.4	0.8%
58.0%	52.0	52.5	0.5	0.9%
59.3%	52.0	52.5	0.5	0.9%
60.5%	51.9	52.4	0.5	0.9%
61.7%	51.8	52.4	0.6	1.1%
63.0%	51.7	52.2	0.5	0.9%
64.2%	51.7	52.1	0.4	0.7%
65.4%	51.7	52.1	0.4	0.9%
66.7%	51.6	52.1	0.5	0.9%
67.9%	51.6	52.1	0.5	0.9%
69.1%	51.6	52.0	0.4	0.7%
70.4%	51.5	52.0	0.5	0.9%
71.6%	51.5	52.0	0.5	0.9%
72.8%	51.4	51.9	0.5	1.0%
74.1%	51.4	51.9	0.6	1.1%
75.3%	51.3	51.9	0.6	1.2%
76.5%	51.2	51.9	0.7	1.4%
77.8%	51.2	51.9	0.7	1.4%
79.0%	51.1	51.8	0.7	1.4%
80.2%	51.1	51.8	0.7	1.4%
81.5%	51.0	51.7	0.6	1.2%
82.7%	51.0	51.6	0.6	1.2%
84.0%	51.0	51.6	0.6	1.2%
85.2%	50.9	51.2	0.3	0.6%
86.4%	50.8	51.1	0.3	0.6%
87.7%	50.6	50.7	0.1	0.2%
88.9%	50.4	50.6	0.2	0.4%
90.1%	50.3	50.4	0.0	0.1%
91.4%	50.2	50.3	0.1	0.2%
92.6%	50.1	50.3	0.2	0.4%
93.8%	50.1	50.2	0.2	0.3%
95.1%	50.1	50.0	0.0	-0.1%
96.3%	50.0	49.9	0.0	-0.1%
97.5%	49.9	49.9	0.0	0.0%
98.8%	49.7	49.8	0.1	0.2%
100.0%	49.7	49.8	0.1	0.2%

Table SQ2-1b

Sacramento River below Keswick, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	59.6	57.9	-1.7	-2.8%
1.2%	56.3	54.5	-1.8	-3.1%
2.5%	55.5	54.4	-1.1	-2.0%
3.7%	54.6	54.4	-0.2	-0.3%
4.9%	54.4	54.2	-0.2	-0.4%
6.2%	54.2	54.1	0.0	-0.1%
7.4%	54.0	54.0	0.0	0.1%
8.6%	54.0	54.0	0.0	0.0%
9.9%	53.8	53.8	0.0	0.0%
11.1%	53.8	53.7	-0.1	-0.2%
12.3%	53.7	53.7	-0.1	-0.1%
13.6%	53.6	53.6	0.0	-0.1%
14.8%	53.6	53.6	0.0	0.0%
16.0%	53.6	53.6	0.0	0.0%
17.3%	53.5	53.4	-0.1	-0.2%
18.5%	53.5	53.3	-0.2	-0.3%
19.8%	53.4	53.2	-0.2	-0.3%
21.0%	53.4	53.2	-0.2	-0.3%
22.2%	53.2	53.1	-0.1	-0.2%
23.5%	53.2	53.1	-0.1	-0.2%
24.7%	52.9	53.1	0.1	0.2%
25.9%	52.9	53.0	0.1	0.1%
27.2%	52.9	53.0	0.1	0.1%
28.4%	52.9	52.8	0.0	0.0%
29.6%	52.9	52.8	0.0	-0.1%
30.9%	52.8	52.6	-0.2	-0.3%
32.1%	52.8	52.6	-0.2	-0.3%
33.3%	52.5	52.6	0.1	0.2%
34.6%	52.4	52.6	0.2	0.3%
35.8%	52.3	52.5	0.2	0.4%
37.0%	52.3	52.5	0.2	0.4%
38.3%	52.2	52.5	0.2	0.5%
39.5%	52.2	52.5	0.2	0.4%
40.7%	52.2	52.4	0.2	0.3%
42.0%	52.1	52.3	0.2	0.4%
43.2%	52.1	52.3	0.2	0.3%
44.4%	52.0	52.2	0.2	0.3%
45.7%	52.0	52.2	0.2	0.3%
46.9%	51.9	52.1	0.2	0.5%
48.1%	51.8	52.0	0.2	0.3%
49.4%	51.7	51.9	0.2	0.3%
50.6%	51.7	51.9	0.2	0.3%
51.9%	51.7	51.9	0.2	0.4%
53.1%	51.7	51.9	0.2	0.4%
54.3%	51.6	51.8	0.2	0.4%
55.6%	51.6	51.8	0.2	0.4%
56.8%	51.5	51.8	0.3	0.6%
58.0%	51.5	51.7	0.3	0.5%
59.3%	51.4	51.7	0.3	0.6%
60.5%	51.4	51.7	0.3	0.6%
61.7%	51.4	51.7	0.3	0.7%
63.0%	51.4	51.7	0.3	0.6%
64.2%	51.3	51.7	0.4	0.7%
65.4%	51.3	51.6	0.3	0.6%
66.7%	51.3	51.6	0.3	0.6%
67.9%	51.3	51.5	0.3	0.5%
69.1%	51.2	51.5	0.2	0.5%
70.4%	51.2	51.4	0.2	0.4%
71.6%	51.2	51.4	0.2	0.5%
72.8%	51.1	51.4	0.2	0.5%
74.1%	51.1	51.4	0.2	0.5%
75.3%	51.1	51.3	0.3	0.5%
76.5%	51.1	51.2	0.1	0.3%
77.8%	51.0	51.2	0.1	0.3%
79.0%	50.9	51.2	0.2	0.5%
80.2%	50.8	51.1	0.3	0.5%
81.5%	50.8	51.0	0.3	0.5%
82.7%	50.8	51.0	0.2	0.4%
84.0%	50.8	51.0	0.2	0.4%
85.2%	50.8	50.9	0.2	0.3%
86.4%	50.7	50.9	0.2	0.3%
87.7%	50.7	50.9	0.1	0.3%
88.9%	50.6	50.7	0.1	0.2%
90.1%	50.5	50.7	0.2	0.3%
91.4%	50.5	50.7	0.2	0.4%
92.6%	50.4	50.6	0.2	0.4%
93.8%	50.3	50.4	0.1	0.2%
95.1%	50.3	50.4	0.1	0.2%
96.3%	50.3	50.3	0.0	0.0%
97.5%	50.1	50.2	0.1	0.2%
98.8%	50.1	50.1	-0.1	-0.1%
100.0%	49.9	49.9	0.0	0.1%

July to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.8	59.9	-1.9	-3.1%
1.2%	57.8	55.4	-2.5	-4.2%
2.5%	56.6	55.2	-1.5	-2.6%
3.7%	55.3	54.6	-0.6	-1.1%
4.9%	55.0	54.5	-0.4	-0.8%
6.2%	54.6	54.5	-0.1	-0.2%
7.4%	54.4	54.5	0.1	0.1%
8.6%	54.4	54.4	0.1	0.1%
9.9%	54.3	54.4	0.1	0.1%
11.1%	54.3	54.4	0.1	0.1%
12.3%	54.3	54.3	0.0	0.0%
13.6%	54.3	54.2	-0.1	-0.2%
14.8%	54.2	54.1	-0.1	-0.2%
16.0%	54.1	54.1	-0.1	-0.1%
17.3%	54.1	54.0	-0.1	-0.2%
18.5%	54.0	53.9	-0.1	-0.2%
19.8%	53.9	53.8	-0.1	-0.2%
21.0%	53.8	53.7	-0.1	-0.2%
22.2%	53.7	53.7	0.0	0.0%
23.5%	53.6	53.7	0.1	0.1%
24.7%	53.6	53.7	0.1	0.2%
25.9%	53.6	53.6	0.1	0.2%
27.2%	53.5	53.4	-0.1	-0.2%
28.4%	53.5	53.3	-0.2	-0.4%
29.6%	53.4	53.3	-0.2	-0.3%
30.9%	53.4	53.3	-0.1	-0.2%
32.1%	53.3	53.3	-0.1	-0.1%
33.3%	53.2	53.2	0.0	0.1%
34.6%	53.1	53.2	0.1	0.1%
35.8%	53.0	53.2	0.1	0.2%
37.0%	53.0	53.1	0.1	0.2%
38.3%	52.8	52.9	0.1	0.2%
39.5%	52.8	52.9	0.0	0.1%
40.7%	52.8	52.8	0.0	0.1%
42.0%	52.7	52.8	0.1	0.2%
43.2%	52.6	52.8	0.2	0.3%
44.4%	52.5	52.7	0.2	0.5%
45.7%	52.4	52.7	0.3	0.5%
46.9%	52.4	52.7	0.3	0.6%
48.1%	52.4	52.6	0.3	0.5%
49.4%	52.3	52.5	0.2	0.4%
50.6%	52.3	52.5	0.2	0.4%
51.9%	52.3	52.5	0.2	0.4%
53.1%	52.3	52.4	0.2	0.3%
54.3%	52.2	52.4	0.1	0.2%
55.6%	52.2	52.3	0.2	0.4%
56.8%	52.1	52.3	0.2	0.4%
58.0%	52.1	52.3	0.2	0.4%
59.3%	51.9	52.2	0.3	0.5%
60.5%	51.9	52.2	0.2	0.5%
61.7%	51.8	52.1	0.3	0.6%
63.0%	51.8	52.1	0.3	0.6%
64.2%	51.8	52.1	0.3	0.6%
65.4%	51.7	52.1	0.4	0.7%
66.7%	51.7	52.1	0.3	0.7%
67.9%	51.7	52.0	0.4	0.7%
69.1%	51.7	52.0	0.3	0.6%
70.4%	51.7	51.9	0.3	0.5%
71.6%	51.6	51.9	0.3	0.5%
72.8%	51.6	51.9	0.3	0.5%
74.1%	51.6	51.8	0.2	0.4%
75.3%	51.6	51.8	0.2	0.4%
76.5%	51.5	51.7	0.2	0.3%
77.8%	51.5	51.6	0.1	0.1%
79.0%	51.5	51.6	0.1	0.2%
80.2%	51.4	51.5	0.1	0.3%
81.5%	51.4	51.5	0.1	0.3%
82.7%	51.3	51.5	0.2	0.3%
84.0%	51.3	51.5	0.2	0.4%
85.2%	51.2	51.4	0.2	0.5%
86.4%	51.1	51.2	0.1	0.2%
87.7%	51.1	51.1	0.0	0.1%
88.9%	51.1	51.1	0.0	0.1%
90.1%	51.1	51.1	0.0	0.0%
91.4%	50.9	51.0	0.1	0.1%
92.6%	50.9	51.0	0.1	0.2%
93.8%	50.8	50.9	0.1	0.2%
95.1%	50.7	50.7	0.0	0.0%
96.3%	50.7	50.5	-0.2	-0.4%
97.5%	50.5	50.4	-0.1	-0.1%
98.8%	50.5	50.3	-0.1	-0.2%
100.0%	50.4	50.2	-0.2	-0.4%

August to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	64.5	62.3	-2.2	-3.4%
1.2%	59.8	56.2	-3.6	-6.1%
2.5%	57.8	55.6	-2.2	-3.7%
3.7%	55.8	55.2	-0.6	-1.2%
4.9%	55.5	54.8	-0.7	-1.3%
6.2%	55.0	54.8	-0.2	-0.3%
7.4%	54.9	54.8	-0.1	-0.3%
8.6%	54.7	54.5	-0.1	-0.3%
9.9%	54.4	54.4	0.0	-0.1%
11.1%	54.3	54.3	0.0	0.0%
12.3%	54.3	54.3	0.0	0.0%
13.6%	54.1	54.3	0.1	0.2%
14.8%	54.1	54.0	0.0	-0.1%
16.0%	54.1	54.0	-0.1	-0.1%
17.3%	54.1	53.9	-0.1	-0.2%
18.5%	54.0	53.9	-0.1	-0.2%
19.8%	54.0	53.8	-0.1	-0.3%
21.0%	54.0	53.8	-0.2	-0.3%
22.2%	53.9	53.8	-0.2	-0.3%
23.5%	53.9	53.7	-0.2	-0.3%
24.7%	53.9	53.7	-0.1	-0.2%
25.9%	53.8	53.7	-0.1	-0.2%
27.2%	53.8	53.7	-0.1	-0.2%
28.4%	53.8	53.7	-0.1	-0.2%
29.6%	53.8	53.7	-0.1	-0.2%
30.9%	53.6	53.7	0.1	0.1%
32.1%	53.6	53.6	0.1	0.1%
33.3%	53.6	53.6	0.0	0.0%
34.6%	53.4	53.5	0.1	0.1%
35.8%	53.4	53.5	0.1	0.2%
37.0%	53.4	53.4	0.0	0.1%
38.3%	53.2	53.3	0.1	0.2%
39.5%	53.1	53.2	0.1	0.2%
40.7%	53.1	53.2	0.1	0.1%
42.0%	53.0	53.1	0.2	0.3%
43.2%	53.0	53.0	0.0	0.0%
44.4%	52.9	52.9	0.0	0.0%
45.7%	52.9	52.9	0.0	0.0%
46.9%	52.9	52.9	0.0	0.0%
48.1%	52.7	52.8	0.1	0.2%
49.4%	52.7	52.8	0.1	0.2%
50.6%	52.7	52.8	0.1	0.2%
51.9%	52.5	52.8	0.3	0.5%
53.1%	52.5	52.8	0.3	0.5%
54.3%	52.4	52.7	0.3	0.6%
55.6%	52.4	52.7	0.3	0.6%
56.8%	52.4	52.7	0.3	0.6%
58.0%	52.3	52.6	0.3	0.5%
59.3%	52.3	52.6	0.3	0.5%
60.5%	52.3	52.6	0.3	0.6%
61.7%	52.3	52.6	0.3	0.6%
63.0%	52.2	52.5	0.3	0.6%
64.2%	52.2	52.5	0.3	0.6%
65.4%	52.2	52.4	0.3	0.5%
66.7%	52.1	52.4	0.3	0.6%
67.9%	52.1	52.3	0.2	0.3%
69.1%	52.1	52.1	0.1	0.1%
70.4%	52.0	52.0	0.0	0.0%
71.6%	52.0	52.0	0.0	0.0%
72.8%	52.0	52.0	0.0	0.0%
74.1%	51.9	52.0	0.1	0.1%
75.3%	51.9	51.9	0.0	0.1%
76.5%	51.8	51.9	0.1	0.1%
77.8%	51.8	51.9	0.0	0.1%
79.0%	51.5	51.8	0.3	0.6%
80.2%	51.5	51.8	0.3	0.6%
81.5%	51.5	51.8	0.3	0.7%
82.7%	51.4	51.6	0.2	0.4%
84.0%	51.4	51.6	0.1	0.3%
85.2%	51.4	51.3	-0.1	-0.2%
86.4%	51.3	51.2	-0.1	-0.1%
87.7%	51.3	51.2	0.0	-0.1%
88.9%	51.2	51.2	0.0	-0.1%
90.1%	51.2	51.2	0.0	-0.1%
91.4%	51.2	51.1	0.0	-0.1%
92.6%	51.1	51.0	-0.1	-0.2%
93.8%	50.9	50.9	0.0	-0.1%
95.1%	50.9	50.8	-0.1	-0.3%
96.3%	50.8	50.7	-0.1	-0.2%
97.5%	50.5	50.4	-0.2	-0.3%
98.8%	50.5	50.3	-0.2	-0.3%
100.0%	50.3	49.9	-0.5	-1.0%

Figure SQ3-1b
Sacramento River at Bonnyview Bridge, Monthly Temperature
Probability of Exceedance

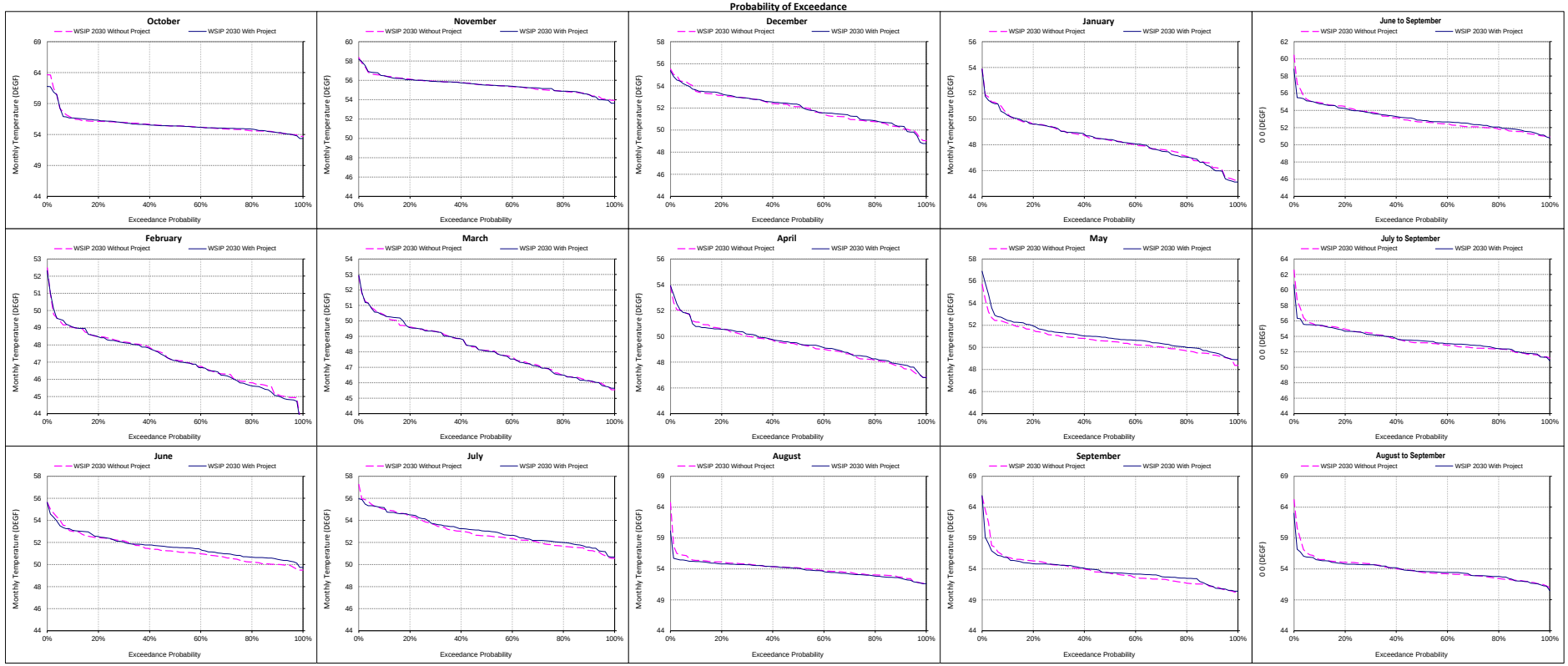


Table SQ3-1b

Sacramento River at Bonnyview Bridge, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	63.7	61.8	-1.9	-3.0%
1.2%	63.6	61.7	-1.9	-3.0%
2.5%	61.5	60.9	-0.6	-1.0%
3.7%	60.4	60.4	0.0	0.0%
4.9%	58.2	58.3	0.1	0.1%
6.2%	57.7	56.9	-0.8	-1.3%
7.4%	57.2	56.8	-0.4	-0.6%
8.6%	56.9	56.7	-0.2	-0.4%
9.9%	56.6	56.7	0.1	0.1%
11.1%	56.5	56.6	0.2	0.3%
12.3%	56.4	56.6	0.2	0.3%
13.6%	56.2	56.5	0.3	0.5%
14.8%	56.2	56.5	0.2	0.4%
16.0%	56.2	56.4	0.3	0.5%
17.3%	56.2	56.4	0.3	0.5%
18.5%	56.1	56.3	0.2	0.4%
19.8%	56.1	56.3	0.2	0.3%
21.0%	56.1	56.2	0.1	0.1%
22.2%	56.1	56.2	0.1	0.1%
23.5%	56.1	56.2	0.1	0.2%
24.7%	56.1	56.2	0.1	0.2%
25.9%	56.1	56.1	0.0	0.1%
27.2%	56.0	56.0	0.1	0.1%
28.4%	56.0	56.0	0.0	0.0%
29.6%	55.9	56.0	0.0	0.0%
30.9%	55.9	55.8	-0.1	-0.2%
32.1%	55.9	55.8	-0.1	-0.2%
33.3%	55.8	55.7	-0.1	-0.3%
34.6%	55.8	55.7	-0.2	-0.3%
35.8%	55.8	55.7	-0.1	-0.3%
37.0%	55.7	55.6	0.0	-0.1%
38.3%	55.7	55.6	0.0	-0.1%
39.5%	55.7	55.5	-0.1	-0.2%
40.7%	55.6	55.5	-0.1	-0.2%
42.0%	55.5	55.5	0.0	-0.1%
43.2%	55.5	55.4	-0.1	-0.1%
44.4%	55.5	55.4	-0.1	-0.1%
45.7%	55.5	55.4	0.0	-0.1%
46.9%	55.4	55.4	0.0	0.0%
48.1%	55.4	55.4	0.0	0.0%
49.4%	55.4	55.4	0.0	0.0%
50.6%	55.4	55.4	0.0	0.0%
51.9%	55.4	55.4	0.0	0.0%
53.1%	55.4	55.3	0.0	0.0%
54.3%	55.3	55.3	0.0	-0.1%
55.6%	55.3	55.3	0.0	0.0%
56.8%	55.3	55.2	-0.1	-0.1%
58.0%	55.2	55.2	0.0	0.0%
59.3%	55.2	55.2	0.0	0.0%
60.5%	55.2	55.2	0.0	0.0%
61.7%	55.1	55.1	0.0	-0.1%
63.0%	55.1	55.1	0.0	0.0%
64.2%	55.1	55.1	0.0	0.1%
65.4%	55.0	55.1	0.1	0.1%
66.7%	55.0	55.1	0.1	0.1%
67.9%	54.9	55.1	0.1	0.2%
69.1%	54.9	55.0	0.1	0.2%
70.4%	54.9	55.0	0.1	0.2%
71.6%	54.8	55.0	0.1	0.3%
72.8%	54.8	55.0	0.2	0.3%
74.1%	54.8	55.0	0.2	0.3%
75.3%	54.8	55.0	0.2	0.3%
76.5%	54.8	54.9	0.2	0.3%
77.8%	54.7	54.9	0.2	0.4%
79.0%	54.6	54.9	0.3	0.5%
80.2%	54.6	54.9	0.3	0.5%
81.5%	54.6	54.8	0.2	0.4%
82.7%	54.6	54.7	0.1	0.1%
84.0%	54.6	54.6	0.1	0.1%
85.2%	54.5	54.6	0.1	0.2%
86.4%	54.5	54.5	0.0	-0.1%
87.7%	54.5	54.4	-0.1	-0.1%
88.9%	54.3	54.4	0.1	0.1%
90.1%	54.2	54.3	0.1	0.1%
91.4%	54.2	54.3	0.1	0.2%
92.6%	54.2	54.2	0.0	0.0%
93.8%	54.1	54.1	0.0	-0.1%
95.1%	54.0	54.1	0.1	0.1%
96.3%	54.0	53.9	-0.1	-0.2%
97.5%	53.9	53.8	-0.2	-0.3%
98.8%	53.7	53.4	-0.3	-0.6%
100.0%	53.7	53.4	0.0	-0.6%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.4	58.2	-0.2	-0.3%
1.2%	57.8	57.9	0.1	0.2%
2.5%	57.4	57.5	0.1	0.2%
3.7%	56.8	56.9	0.1	0.1%
4.9%	56.7	56.9	0.2	0.3%
6.2%	56.6	56.8	0.2	0.4%
7.4%	56.6	56.8	0.2	0.4%
8.6%	56.6	56.5	0.0	-0.1%
9.9%	56.5	56.5	0.0	0.0%
11.1%	56.4	56.4	0.0	-0.1%
12.3%	56.4	56.3	-0.1	-0.1%
13.6%	56.3	56.2	0.0	-0.1%
14.8%	56.3	56.2	-0.1	-0.1%
16.0%	56.2	56.2	0.0	-0.1%
17.3%	56.2	56.2	0.0	-0.1%
18.5%	56.2	56.1	-0.1	-0.2%
19.8%	56.1	56.1	-0.1	-0.1%
21.0%	56.1	56.1	0.0	-0.1%
22.2%	56.0	56.0	0.0	0.0%
23.5%	56.0	56.0	0.0	0.0%
24.7%	56.0	56.0	0.0	0.0%
25.9%	55.9	56.0	0.0	0.1%
27.2%	55.9	56.0	0.0	0.0%
28.4%	55.9	55.9	0.0	0.0%
29.6%	55.9	55.9	0.0	0.0%
30.9%	55.9	55.9	0.0	-0.1%
32.1%	55.9	55.9	0.0	0.0%
33.3%	55.8	55.8	0.0	0.0%
34.6%	55.8	55.8	0.0	0.0%
35.8%	55.8	55.8	0.0	0.0%
37.0%	55.8	55.8	0.0	0.0%
38.3%	55.8	55.8	0.0	0.0%
39.5%	55.8	55.7	-0.1	-0.1%
40.7%	55.8	55.7	0.0	-0.1%
42.0%	55.7	55.7	0.0	0.0%
43.2%	55.7	55.7	0.0	-0.1%
44.4%	55.7	55.6	0.0	0.0%
45.7%	55.6	55.6	0.0	0.0%
46.9%	55.6	55.6	0.0	0.0%
48.1%	55.6	55.5	0.0	-0.1%
49.4%	55.6	55.5	0.0	-0.1%
50.6%	55.5	55.5	0.0	-0.1%
51.9%	55.5	55.5	0.0	0.0%
53.1%	55.5	55.5	0.0	0.0%
54.3%	55.5	55.5	0.0	0.0%
55.6%	55.4	55.4	0.0	0.0%
56.8%	55.4	55.4	0.0	0.0%
58.0%	55.4	55.4	0.1	0.1%
59.3%	55.4	55.4	0.0	0.1%
60.5%	55.3	55.4	0.0	0.1%
61.7%	55.3	55.3	0.0	0.0%
63.0%	55.3	55.3	0.0	0.0%
64.2%	55.3	55.3	0.0	0.0%
65.4%	55.2	55.3	0.1	0.1%
66.7%	55.2	55.2	0.0	0.1%
67.9%	55.2	55.2	0.1	0.1%
69.1%	55.1	55.2	0.1	0.3%
70.4%	55.0	55.2	0.2	0.3%
71.6%	55.0	55.2	0.1	0.2%
72.8%	55.0	55.2	0.1	0.2%
74.1%	55.0	55.1	0.2	0.3%
75.3%	55.0	55.1	0.2	0.3%
76.5%	54.9	54.9	0.0	0.0%
77.8%	54.9	54.9	0.0	0.0%
79.0%	54.9	54.9	0.0	0.0%
80.2%	54.9	54.9	0.0	-0.1%
81.5%	54.8	54.9	0.1	0.1%
82.7%	54.8	54.8	0.0	0.1%
84.0%	54.8	54.8	0.1	0.1%
85.2%	54.8	54.8	0.1	0.1%
86.4%	54.7	54.7	0.0	0.1%
87.7%	54.7	54.6	-0.1	-0.1%
88.9%	54.6	54.6	0.0	0.0%
90.1%	54.5	54.5	0.0	0.0%
91.4%	54.4	54.3	-0.1	-0.1%
92.6%	54.4	54.3	-0.1	-0.1%
93.8%	54.3	54.0	-0.3	-0.6%
95.1%	54.1	54.0	-0.1	-0.2%
96.3%	54.1	54.0	-0.1	-0.2%
97.5%	54.0	53.9	-0.1	-0.2%
98.8%	53.9	53.6	-0.3	-0.6%
100.0%	53.9	53.6	-0.3	-0.6%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.5	55.4	-0.2	-0.3%
1.2%	55.0	54.9	-0.2	-0.3%
2.5%	54.9	54.5	-0.4	-0.8%
3.7%	54.5	54.4	0.0	0.0%
4.9%	54.4	54.2	-0.2	-0.3%
6.2%	54.4	54.1	-0.3	-0.5%
7.4%	54.2	53.9	-0.2	-0.4%
8.6%	54.0	53.7	-0.3	-0.6%
9.9%	53.5	53.6	0.1	0.3%
11.1%	53.4	53.5	0.1	0.2%
12.3%	53.4	53.5	0.1	0.3%
13.6%	53.3	53.5	0.1	0.3%
14.8%	53.3	53.5	0.2	0.3%
16.0%	53.3	53.5	0.2	0.3%
17.3%	53.3	53.4	0.2	0.3%
18.5%	53.2	53.4	0.2	0.5%
19.8%	53.1	53.3	0.2	0.3%
21.0%	53.1	53.2	0.1	0.2%
22.2%	53.0	53.2	0.1	0.2%
23.5%	53.0	53.1	0.1	0.2%
24.7%	53.0	53.1	0.1	0.1%
25.9%	53.0	53.0	0.0	0.0%
27.2%	53.0	53.0	0.0	0.0%
28.4%	52.9	52.9	0.0	0.0%
29.6%	52.9	52.9	0.0	0.0%
30.9%	52.8	52.9	0.1	0.1%
32.1%	52.8	52.8	0.0	-0.1%
33.3%	52.8	52.8	0.0	0.0%
34.6%	52.8	52.8	0.0	0.0%
35.8%	52.7	52.7	0.0	0.1%
37.0%	52.6	52.6	0.0	0.0%
38.3%	52.5	52.6	0.1	0.2%
39.5%	52.4	52.5	0.1	0.3%
40.7%	52.4	52.5	0.1	0.2%
42.0%	52.4	52.5	0.1	0.3%
43.2%	52.4	52.5	0.1	0.2%
44.4%	52.3	52.4	0.1	0.2%
45.7%	52.3	52.4	0.1	0.2%
46.9%	52.1	52.4	0.2	0.5%
48.1%	52.1	52.4	0.2	0.4%
49.4%	52.1	52.4	0.2	0.5%
50.6%	52.1	52.3	0.1	0.3%
51.9%	52.1	52.0	-0.1	-0.2%
53.1%	52.0	51.9	-0.1	-0.2%
54.3%	52.0	51.8	-0.2	-0.3%
55.6%	51.7	51.8	0.1	0.2%
56.8%	51.6	51.7	0.1	0.2%
58.0%	51.6	51.6	0.0	-0.1%
59.3%	51.5	51.6	0.0	0.0%
60.5%	51.4	51.6	0.2	0.3%
61.7%	51.3	51.5	0.2	0.5%
63.0%	51.3	51.5	0.3	0.5%
64.2%	51.2	51.5	0.2	0.5%
65.4%	51.2	51.5	0.2	0.4%
66.7%	51.2	51.4	0.2	0.4%
67.9%	51.2	51.4	0.2	0.4%
69.1%	51.1	51.4	0.3	0.6%
70.4%	51.0	51.3	0.3	0.6%
71.6%	51.0	51.2	0.3	0.6%
72.8%	50.9	51.2	0.3	0.6%
74.1%	50.9	51.0	0.1	0.2%
75.3%	50.9	50.9	0.1	0.1%
76.5%	50.8	50.9	0.1	0.2%
77.8%	50.8	50.9	0.1	0.2%
79.0%	50.8	50.9	0.1	0.2%
80.2%	50.8	50.8	0.1	0.1%
81.5%	50.7	50.8	0.0	0.0%
82.7%	50.6	50.7	0.1	0.2%
84.0%	50.6	50.7	0.1	0.2%
85.2%	50.4	50.7	0.2	0.4%
86.4%	50.4	50.6	0.3	0.5%
87.7%	50.3	50.4	0.1	0.2%
88.9%	50.3	50.3	0.0	0.1%
90.1%	50.2	50.3	0.1	0.3%
91.4%	50.1	50.3	0.3	0.5%
92.6%	50.1	49.9	-0.2	-0.4%
93.8%	50.0	49.8	-0.2	-0.3%
95.1%	50.0	49.8	-0.2	-0.3%
96.3%	49.7	49.5	-0.2	-0.3%
97.5%	49.3	48.9	-0.4	-0.8%
98.8%	49.0	48.8	-0.3	-0.6%
100.0%	49.0	48.8	-0.3	-0.6%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.9	53.9	0.0	0.0%
1.2%	51.9	51.8	-0.1	-0.2%
2.5%	51.7	51.5	-0.2	-0.5%
3.7%	51.3	51.3	0.0	-0.1%
4.9%	51.3	51.2	-0.1	-0.2%
6.2%	51.1	51.2	0.0	0.1%
7.4%	51.0	50.6	-0.4	-0.8%
8.6%	50.7	50.5	-0.2	-0.4%
9.9%	50.4	50.3	-0.1	-0.3%
11.1%	50.1	50.2	0.0	0.1%
12.3%	50.1	50.1	0.0	0.0%
13.6%	50.0	50.0	0.1	0.1%
14.8%	49.9	50.0	0.1	0.2%
16.0%	49.8	49.8	0.1	0.1%
17.3%	49.8	49.8	0.1	0.1%
18.5%	49.8	49.7	-0.1	-0.2%
19.8%	49.6	49.6	0.0	0.0%
21.0%	49.6	49.6	0.0	0.0%
22.2%	49.6	49.6	0.0	0.0%
23.5%	49.6	49.5	0.0	-0.1%
24.7%	49.5	49.5	0.0	0.0%
25.9%	49.4	49.4	0.0	-0.1%
27.2%	49.4	49.4	0.0	-0.1%
28.4%	49.3	49.4	0.1	0.1%
29.6%	49.2	49.3	0.1	0.2%
30.9%	49.1	49.0	0.0	0.0%
32.1%	49.1	49.0	0.0	-0.1%
33.3%	48.9	49.0	0.1	0.1%
34.6%	48.9	49.0	0.1	0.1%
35.8%	48.9	49.0	0.1	0.2%
37.0%	48.8	48.9	0.1	0.2%
38.3%	48.8	48.9	0.1	0.3%
39.5%	48.8	48.9	0.1	0.2%
40.7%	48.7	48.7	0.0	0.1%
42.0%	48.5	48.7	0.2	0.3%
43.2%	48.5	48.6	0.1	0.2%
44.4%	48.5	48.5	0.0	0.0%
45.7%	48.5	48.5	0.0	0.0%
46.9%	48.5	48.5	0.0	0.0%
48.1%	48.5	48.4	0.0	-0.1%
49.4%	48.4	48.4	0.0	0.1%
50.6%	48.3	48.4	0.1	0.2%
51.9%	48.3	48.3	0.0	0.1%
53.1%	48.3	48.2	0.0	-0.1%
54.3%	48.2	48.2	0.0	0.0%
55.6%	48.1	48.2	0.1	0.1%
56.8%	48.1	48.2	0.1	0.1%
58.0%	48.1	48.1	0.0	0.1%
59.3%	48.0	48.1	0.1	0.2%
60.5%	47.9	48.1	0.1	0.3%
61.7%	47.9	48.0	0.1	0.2%
63.0%	47.9	48.0	0.1	0.2%
64.2%	47.9	48.0	0.1	0.1%
65.4%	47.7	47.8	0.1	0.1%
66.7%	47.7	47.7	0.0	-0.1%
67.9%	47.7	47.6	0.0	-0.1%
69.1%	47.7	47.6	-0.1	-0.2%
70.4%	47.6	47.5	-0.1	-0.3%
71.6%	47.6	47.5	-0.1	-0.3%
72.8%	47.5	47.5	-0.1	-0.1%
74.1%	47.5	47.2	-0.3	-0.6%
75.3%	47.5	47.2	-0.3	-0.6%
76.5%	47.4	47.1	-0.3	-0.6%
77.8%	47.2	47.1	-0.1	-0.3%
79.0%	47.2	47.1	-0.1	-0.2%
80.2%	47.1	47.0	0.0	-0.1%
81.5%	47.0	47.0	-0.1	-0.1%
82.7%	46.8	46.9	0.2	0.3%
84.0%	46.8	46.9	0.1	0.3%
85.2%	46.7	46.6	-0.1	-0.2%
86.4%	46.7	46.6	0.0	-0.1%
87.7%	46.6	46.4	-0.2	-0.4%
88.9%	46.6	46.3	-0.3	-0.6%
90.1%	46.2	46.1	-0.1	-0.2%
91.4%	46.2	46.0	-0.2	-0.5%
92.6%	46.2	46.0	-0.2	-0.4%
93.8%	46.0	46.0	-0.1	-0.2%
95.1%	45.5	45.4	-0.1	-0.2%
96.3%	45.4	45.3	-0.2	-0.4%
97.5%	45.4	45.2	-0.2	-0.4%
98.8%	45.3	45.1	-0.2	-0.3%
100.0%	45.3	45.1	-0.2	-0.3%

Table SQ3-1b

Sacramento River at Bonnyview Bridge, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.5	52.3	-0.2	-0.3%
1.2%	50.9	51.0	0.1	0.2%
2.5%	49.8	50.1	0.3	0.7%
3.7%	49.6	49.5	0.0	-0.1%
4.9%	49.4	49.5	0.1	0.2%
6.2%	49.2	49.4	0.3	0.5%
7.4%	49.2	49.2	0.1	0.1%
8.6%	49.1	49.1	0.1	0.1%
9.9%	49.0	49.0	0.0	0.0%
11.1%	49.0	49.0	0.0	0.0%
12.3%	49.0	49.0	0.0	0.0%
13.6%	49.0	49.0	0.0	0.0%
14.8%	48.7	49.0	0.2	0.4%
16.0%	48.7	48.6	-0.1	-0.1%
17.3%	48.6	48.6	0.0	0.0%
18.5%	48.5	48.5	0.0	0.1%
19.8%	48.5	48.5	0.0	0.0%
21.0%	48.5	48.4	-0.1	-0.1%
22.2%	48.5	48.4	0.0	-0.1%
23.5%	48.4	48.3	-0.1	-0.2%
24.7%	48.4	48.3	-0.1	-0.3%
25.9%	48.3	48.3	0.0	-0.1%
27.2%	48.3	48.2	0.0	-0.1%
28.4%	48.2	48.2	-0.1	-0.1%
29.6%	48.2	48.1	0.0	-0.1%
30.9%	48.2	48.1	-0.1	-0.1%
32.1%	48.1	48.1	0.0	-0.1%
33.3%	48.1	48.0	0.0	-0.1%
34.6%	48.1	48.0	0.0	-0.1%
35.8%	48.0	48.0	0.0	-0.1%
37.0%	48.0	47.9	-0.1	-0.2%
38.3%	48.0	47.9	-0.1	-0.2%
39.5%	47.9	47.8	-0.1	-0.2%
40.7%	47.8	47.7	0.0	-0.1%
42.0%	47.6	47.7	0.0	0.1%
43.2%	47.6	47.6	0.0	-0.1%
44.4%	47.6	47.5	-0.1	-0.2%
45.7%	47.5	47.4	-0.1	-0.2%
46.9%	47.3	47.2	0.0	0.0%
48.1%	47.2	47.2	0.0	0.0%
49.4%	47.1	47.1	0.0	-0.1%
50.6%	47.1	47.1	0.0	-0.1%
51.9%	47.1	47.0	-0.1	-0.2%
53.1%	47.1	47.0	-0.1	-0.2%
54.3%	47.0	47.0	0.0	-0.1%
55.6%	46.9	46.9	0.0	0.0%
56.8%	46.9	46.9	0.0	0.0%
58.0%	46.8	46.9	0.1	0.2%
59.3%	46.8	46.7	-0.1	-0.2%
60.5%	46.7	46.7	-0.1	-0.1%
61.7%	46.6	46.6	0.1	0.1%
63.0%	46.6	46.5	-0.1	-0.1%
64.2%	46.5	46.5	0.0	0.0%
65.4%	46.4	46.5	0.1	0.1%
66.7%	46.3	46.4	0.1	0.2%
67.9%	46.3	46.2	-0.1	-0.2%
69.1%	46.3	46.2	-0.1	-0.2%
70.4%	46.3	46.2	-0.1	-0.2%
71.6%	46.3	46.1	-0.2	-0.4%
72.8%	46.0	46.0	0.0	-0.1%
74.1%	46.0	45.9	0.0	-0.1%
75.3%	45.9	45.8	-0.1	-0.2%
76.5%	45.9	45.8	-0.1	-0.2%
77.8%	45.9	45.7	-0.2	-0.4%
79.0%	45.8	45.7	-0.1	-0.3%
80.2%	45.8	45.6	-0.2	-0.4%
81.5%	45.7	45.6	-0.1	-0.3%
82.7%	45.7	45.6	-0.1	-0.3%
84.0%	45.7	45.5	-0.2	-0.4%
85.2%	45.7	45.4	-0.2	-0.5%
86.4%	45.6	45.4	-0.2	-0.4%
87.7%	45.6	45.2	-0.3	-0.7%
88.9%	45.1	45.1	-0.1	-0.1%
90.1%	45.1	45.0	-0.1	-0.2%
91.4%	45.0	45.0	-0.1	-0.1%
92.6%	45.0	44.9	-0.1	-0.3%
93.8%	45.0	44.8	-0.1	-0.3%
95.1%	44.9	44.8	-0.1	-0.3%
96.3%	44.9	44.8	-0.1	-0.3%
97.5%	44.9	44.7	-0.2	-0.5%
98.8%	43.8	43.7	-0.1	-0.2%
100.0%	43.8	43.7	-0.1	-0.2%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.9	52.9	0.1	0.1%
1.2%	51.8	51.8	0.0	0.1%
2.5%	51.3	51.2	-0.1	-0.2%
3.7%	51.1	51.2	0.0	0.0%
4.9%	50.9	50.8	0.0	-0.1%
6.2%	50.7	50.6	-0.2	-0.3%
7.4%	50.5	50.5	0.0	0.0%
8.6%	50.5	50.4	-0.1	-0.1%
9.9%	50.4	50.4	0.0	-0.1%
11.1%	50.2	50.3	0.1	0.1%
12.3%	50.1	50.3	0.2	0.3%
13.6%	50.0	50.2	0.2	0.3%
14.8%	50.0	50.2	0.2	0.3%
16.0%	49.7	50.2	0.5	0.9%
17.3%	49.7	50.0	0.3	0.6%
18.5%	49.7	49.7	0.0	0.1%
19.8%	49.6	49.6	0.0	-0.1%
21.0%	49.6	49.5	0.0	-0.1%
22.2%	49.5	49.5	0.0	0.0%
23.5%	49.5	49.5	0.0	0.1%
24.7%	49.4	49.5	0.0	0.1%
25.9%	49.4	49.4	0.0	-0.1%
27.2%	49.4	49.3	-0.1	-0.1%
28.4%	49.4	49.3	0.0	-0.1%
29.6%	49.3	49.3	0.0	0.0%
30.9%	49.3	49.3	0.0	-0.1%
32.1%	49.3	49.3	0.0	0.0%
33.3%	49.1	49.0	-0.1	-0.2%
34.6%	49.0	49.0	0.0	-0.1%
35.8%	48.9	49.0	0.0	0.1%
37.0%	48.9	48.9	0.0	0.1%
38.3%	48.9	48.9	0.0	0.0%
39.5%	48.8	48.9	0.0	0.0%
40.7%	48.8	48.8	0.0	-0.1%
42.0%	48.4	48.4	0.0	0.0%
43.2%	48.4	48.4	0.0	0.1%
44.4%	48.3	48.4	0.1	0.1%
45.7%	48.3	48.3	0.0	0.0%
46.9%	48.1	48.1	0.0	0.0%
48.1%	48.1	48.1	0.0	0.0%
49.4%	48.1	48.1	0.0	-0.1%
50.6%	48.1	48.0	-0.1	-0.1%
51.9%	48.1	48.0	0.0	-0.1%
53.1%	48.0	48.0	0.0	-0.1%
54.3%	47.9	47.9	0.0	0.0%
55.6%	47.8	47.8	-0.1	-0.1%
56.8%	47.8	47.8	0.0	0.0%
58.0%	47.8	47.7	0.0	-0.1%
59.3%	47.7	47.5	-0.2	-0.3%
60.5%	47.6	47.5	-0.1	-0.2%
61.7%	47.4	47.5	0.0	0.1%
63.0%	47.4	47.3	-0.1	-0.2%
64.2%	47.4	47.3	-0.1	-0.1%
65.4%	47.3	47.2	-0.1	-0.2%
66.7%	47.2	47.2	0.0	0.1%
67.9%	47.2	47.1	-0.1	-0.1%
69.1%	47.2	47.1	-0.1	-0.2%
70.4%	47.1	47.0	-0.1	-0.1%
71.6%	46.9	46.9	0.0	0.0%
72.8%	46.9	46.9	0.0	0.0%
74.1%	46.9	46.9	0.0	0.1%
75.3%	46.8	46.7	-0.1	-0.2%
76.5%	46.6	46.6	-0.1	-0.1%
77.8%	46.6	46.5	-0.1	-0.2%
79.0%	46.5	46.5	0.0	0.0%
80.2%	46.5	46.5	0.0	0.0%
81.5%	46.4	46.4	0.0	0.0%
82.7%	46.4	46.4	0.0	0.0%
84.0%	46.4	46.3	0.0	-0.1%
85.2%	46.4	46.3	0.0	-0.1%
86.4%	46.3	46.2	-0.1	-0.3%
87.7%	46.2	46.2	-0.1	-0.2%
88.9%	46.2	46.1	0.0	-0.1%
90.1%	46.1	46.1	0.0	0.0%
91.4%	46.1	46.1	0.0	0.1%
92.6%	46.0	46.0	0.0	0.0%
93.8%	46.0	46.0	0.0	0.0%
95.1%	45.9	45.8	-0.1	-0.3%
96.3%	45.8	45.8	0.0	-0.1%
97.5%	45.7	45.7	0.0	0.0%
98.8%	45.5	45.6	0.1	0.2%
100.0%	45.5	45.6	0.1	0.2%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.9	53.9	0.0	0.0%
1.2%	52.6	53.3	0.6	1.2%
2.5%	52.1	52.5	0.4	0.9%
3.7%	52.0	52.1	0.0	0.1%
4.9%	52.0	51.9	-0.1	-0.2%
6.2%	51.8	51.8	0.0	0.0%
7.4%	51.7	51.7	0.1	0.1%
8.6%	51.2	51.0	-0.2	-0.4%
9.9%	51.1	50.8	-0.4	-0.7%
11.1%	51.1	50.8	-0.3	-0.7%
12.3%	50.9	50.7	-0.2	-0.5%
13.6%	50.9	50.7	-0.2	-0.4%
14.8%	50.9	50.6	-0.3	-0.5%
16.0%	50.7	50.6	-0.1	-0.1%
17.3%	50.7	50.6	-0.1	-0.2%
18.5%	50.7	50.6	-0.1	-0.2%
19.8%	50.6	50.6	-0.1	-0.1%
21.0%	50.6	50.5	0.0	-0.1%
22.2%	50.5	50.5	0.0	0.0%
23.5%	50.4	50.5	0.1	0.3%
24.7%	50.3	50.4	0.1	0.2%
25.9%	50.3	50.4	0.1	0.2%
27.2%	50.2	50.4	0.2	0.4%
28.4%	50.1	50.4	0.3	0.5%
29.6%	50.0	50.2	0.1	0.3%
30.9%	50.0	50.2	0.2	0.4%
32.1%	49.9	50.1	0.2	0.4%
33.3%	49.9	50.1	0.2	0.3%
34.6%	49.8	49.9	0.1	0.2%
35.8%	49.8	49.9	0.1	0.2%
37.0%	49.8	49.9	0.1	0.2%
38.3%	49.8	49.8	0.0	0.1%
39.5%	49.7	49.8	0.0	0.0%
40.7%	49.6	49.7	0.1	0.2%
42.0%	49.5	49.7	0.1	0.3%
43.2%	49.5	49.6	0.1	0.2%
44.4%	49.5	49.6	0.1	0.2%
45.7%	49.5	49.6	0.1	0.2%
46.9%	49.5	49.5	0.1	0.1%
48.1%	49.4	49.5	0.1	0.2%
49.4%	49.4	49.5	0.1	0.3%
50.6%	49.3	49.4	0.1	0.1%
51.9%	49.3	49.3	0.0	0.0%
53.1%	49.3	49.3	0.1	0.1%
54.3%	49.2	49.3	0.1	0.2%
55.6%	49.2	49.3	0.1	0.3%
56.8%	49.0	49.3	0.3	0.6%
58.0%	49.0	49.3	0.2	0.5%
59.3%	49.0	49.2	0.2	0.3%
60.5%	49.0	49.1	0.1	0.2%
61.7%	48.9	49.1	0.1	0.3%
63.0%	48.9	49.1	0.2	0.3%
64.2%	48.9	49.0	0.1	0.2%
65.4%	48.8	48.9	0.1	0.2%
66.7%	48.8	48.9	0.1	0.2%
67.9%	48.7	48.8	0.1	0.2%
69.1%	48.6	48.8	0.1	0.2%
70.4%	48.6	48.6	0.0	0.0%
71.6%	48.6	48.5	-0.1	-0.2%
72.8%	48.4	48.5	0.1	0.3%
74.1%	48.3	48.5	0.2	0.5%
75.3%	48.2	48.5	0.2	0.4%
76.5%	48.2	48.5	0.2	0.4%
77.8%	48.2	48.4	0.1	0.3%
79.0%	48.2	48.3	0.1	0.1%
80.2%	48.1	48.2	0.1	0.3%
81.5%	48.1	48.2	0.1	0.2%
82.7%	48.0	48.2	0.1	0.2%
84.0%	48.0	48.1	0.1	0.2%
85.2%	47.9	48.1	0.2	0.3%
86.4%	47.9	47.9	0.1	0.1%
87.7%	47.8	47.9	0.1	0.3%
88.9%	47.7	47.9	0.2	0.4%
90.1%	47.7	47.8	0.1	0.3%
91.4%	47.5	47.8	0.3	0.6%
92.6%	47.5	47.7	0.3	0.6%
93.8%	47.4	47.6	0.2	0.4%
95.1%	47.2	47.6	0.4	0.8%
96.3%	47.1	47.3	0.3	0.5%
97.5%	47.0	47.0	0.0	0.0%
98.8%	46.8	46.8	0.0	0.0%
100.0%	46.8	46.8	0.0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.7	56.9	1.2	2.1%
1.2%	54.3	55.8	1.5	2.8%
2.5%	53.2	54.8	1.6	3.0%
3.7%	52.7	53.6	0.9	1.7%
4.9%	52.4	52.9	0.5	0.9%
6.2%	52.4	52.8	0.3	0.6%
7.4%	52.4	52.7	0.3	0.7%
8.6%	52.3	52.6	0.3	0.6%
9.9%	52.2	52.5	0.3	0.5%
11.1%	52.2	52.4	0.2	0.5%
12.3%	52.0	52.3	0.3	0.5%
13.6%	51.9	52.3	0.4	0.7%
14.8%	51.9	52.2	0.4	0.7%
16.0%	51.8	52.2	0.4	0.8%
17.3%	51.7	52.1	0.4	0.8%
18.5%	51.6	52.1	0.4	0.8%
19.8%	51.6	52.0	0.4	0.8%
21.0%	51.4	51.8	0.4	0.8%
22.2%	51.4	51.7	0.3	0.5%
23.5%	51.4	51.6	0.3	0.5%
24.7%	51.3	51.5	0.3	0.5%
25.9%	51.2	51.5	0.3	0.6%
27.2%	51.1	51.5	0.3	0.7%
28.4%	51.1	51.4	0.3	0.5%
29.6%	51.1	51.4	0.3	0.5%
30.9%	51.0	51.3	0.4	0.7%
32.1%	51.0	51.3	0.3	0.7%
33.3%	50.9	51.2	0.3	0.6%
34.6%	50.9	51.2	0.3	0.7%
35.8%	50.9	51.2	0.3	0.6%
37.0%	50.9	51.2	0.3	0.6%
38.3%	50.8	51.1	0.3	0.5%
39.5%	50.8	51.0	0.2	0.4%
40.7%	50.8	51.0	0.2	0.4%
42.0%	50.7	51.0	0.3	0.5%
43.2%	50.7	51.0	0.3	0.6%
44.4%	50.6	51.0	0.4	0.7%
45.7%	50.6	51.0	0.4	0.7%
46.9%	50.6	50.9	0.3	0.7%
48.1%	50.6	50.9	0.3	0.7%
49.4%	50.6	50.8	0.3	0.5%
50.6%	50.5	50.8	0.3	0.6%
51.9%	50.5	50.8	0.3	0.5%
53.1%	50.5	50.8	0.3	0.5%
54.3%	50.4	50.7	0.3	0.6%
55.6%	50.4	50.7	0.3	0.6%
56.8%	50.4	50.7	0.3	0.6%
58.0%	50.3	50.7	0.4	0.8%
59.3%	50.3	50.7	0.4	0.8%
60.5%	50.2	50.6	0.4	0.8%
61.7%	50.2	50.6	0.4	0.8%
63.0%	50.2	50.6	0.4	0.8%
64.2%	50.2	50.6	0.4	0.7%
65.4%	50.2	50.5	0.3	0.7%
66.7%	50.1	50.4	0.3	0.7%
67.9%	50.1	50.4	0.4	0.7%
69.1%	50.1	50.4	0.3	0.7%
70.4%	50.0	50.3	0.3	0.6%
71.6%	49.9	50.3	0.3	0.7%
72.8%	49.9	50.3	0.4	0.7%
74.1%	49.9	50.2	0.3	0.6%
75.3%	49.9	50.1	0.2	0.5%
76.5%	49.8	50.1	0.3	0.5%
77.8%	49.8	50.1	0.3	0.6%
79.0%	49.7	50.1	0.3	0.7%
80.2%	49.7	50.0	0.3	0.7%
81.5%	49.6	50.0	0.3	0.7%
82.7%	49.6	50.0	0.4	0.7%
84.0%	49.5	49.9	0.4	0.9%
85.2%	49.5	49.9	0.4	0.8%
86.4%	49.5	49.7	0.2	0.5%
87.7%	49.5	49.7	0.2	0.5%
88.9%	49.4	49.6	0.2	0.4%
90.1%	49.3	49.5	0.2	0.5%
91.4%	49.3	49.5	0.2	0.4%
92.6%	49.2	49.4	0.2	0.4%
93.8%	49.2	49.3	0.1	0.2%
95.1%	49.1	49.1	0.0	0.1%
96.3%	49.0	49.0	0.0	0.0%
97.5%	48.9	48.9	0.0	0.0%
98.8%	48.4	48.9	0.5	1.1%
100.0%	48.4	48.9	0.5	1.1%

Table SQ3-1b

Sacramento River at Bonnyview Bridge, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.6	55.6	0.0	0.0%
1.2%	55.0	54.6	-0.4	-0.8%
2.5%	54.6	54.3	-0.4	-0.7%
3.7%	54.3	53.9	-0.4	-0.7%
4.9%	54.0	53.5	-0.5	-0.9%
6.2%	53.6	53.3	-0.2	-0.4%
7.4%	53.5	53.3	-0.3	-0.5%
8.6%	53.1	53.2	0.2	0.3%
9.9%	53.0	53.1	0.1	0.2%
11.1%	53.0	53.0	0.1	0.2%
12.3%	53.0	53.0	0.1	0.2%
13.6%	52.7	53.0	0.3	0.5%
14.8%	52.6	53.0	0.3	0.7%
16.0%	52.6	52.9	0.4	0.7%
17.3%	52.5	52.8	0.2	0.5%
18.5%	52.5	52.6	0.1	0.2%
19.8%	52.5	52.5	0.1	0.2%
21.0%	52.4	52.5	0.0	0.1%
22.2%	52.4	52.5	0.1	0.1%
23.5%	52.4	52.4	0.0	0.1%
24.7%	52.3	52.4	0.1	0.1%
25.9%	52.3	52.2	0.0	-0.1%
27.2%	52.2	52.1	-0.1	-0.2%
28.4%	52.2	52.1	-0.1	-0.2%
29.6%	52.2	52.1	-0.1	-0.2%
30.9%	52.1	51.9	-0.2	-0.3%
32.1%	51.9	51.9	0.0	-0.1%
33.3%	51.9	51.8	-0.1	-0.1%
34.6%	51.7	51.8	0.1	0.2%
35.8%	51.7	51.8	0.1	0.2%
37.0%	51.6	51.8	0.2	0.4%
38.3%	51.5	51.8	0.3	0.6%
39.5%	51.5	51.8	0.3	0.6%
40.7%	51.4	51.8	0.4	0.7%
42.0%	51.4	51.7	0.3	0.7%
43.2%	51.4	51.7	0.3	0.7%
44.4%	51.3	51.7	0.4	0.8%
45.7%	51.3	51.6	0.4	0.7%
46.9%	51.2	51.6	0.4	0.7%
48.1%	51.2	51.6	0.3	0.7%
49.4%	51.2	51.6	0.4	0.7%
50.6%	51.2	51.6	0.4	0.7%
51.9%	51.1	51.5	0.4	0.8%
53.1%	51.1	51.5	0.4	0.8%
54.3%	51.1	51.5	0.4	0.8%
55.6%	51.1	51.5	0.4	0.8%
56.8%	51.1	51.5	0.4	0.8%
58.0%	51.0	51.4	0.4	0.8%
59.3%	51.0	51.4	0.4	0.8%
60.5%	51.0	51.3	0.3	0.6%
61.7%	50.9	51.2	0.3	0.6%
63.0%	50.9	51.1	0.3	0.6%
64.2%	50.8	51.1	0.3	0.6%
65.4%	50.8	51.1	0.3	0.6%
66.7%	50.8	51.1	0.3	0.6%
67.9%	50.7	51.0	0.3	0.6%
69.1%	50.7	51.0	0.3	0.6%
70.4%	50.6	51.0	0.4	0.8%
71.6%	50.6	50.9	0.3	0.7%
72.8%	50.5	50.9	0.4	0.7%
74.1%	50.5	50.8	0.3	0.7%
75.3%	50.4	50.8	0.4	0.9%
76.5%	50.3	50.7	0.4	0.8%
77.8%	50.3	50.7	0.4	0.9%
79.0%	50.2	50.7	0.5	0.9%
80.2%	50.2	50.7	0.4	0.9%
81.5%	50.2	50.6	0.4	0.9%
82.7%	50.2	50.6	0.5	0.9%
84.0%	50.1	50.6	0.5	1.1%
85.2%	50.1	50.6	0.5	1.1%
86.4%	50.1	50.6	0.5	1.1%
87.7%	50.0	50.6	0.6	1.1%
88.9%	50.0	50.5	0.5	1.0%
90.1%	50.0	50.5	0.5	0.9%
91.4%	50.0	50.4	0.4	0.8%
92.6%	50.0	50.4	0.4	0.8%
93.8%	49.9	50.4	0.4	0.9%
95.1%	49.9	50.3	0.4	0.8%
96.3%	49.7	50.3	0.5	1.0%
97.5%	49.6	50.1	0.5	1.1%
98.8%	49.5	49.7	0.2	0.5%
100.0%	49.5	49.7	0.2	0.5%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.3	56.0	-1.3	-2.3%
1.2%	56.0	55.9	-0.1	-0.1%
2.5%	55.9	55.5	-0.4	-0.7%
3.7%	55.7	55.3	-0.4	-0.7%
4.9%	55.5	55.3	-0.1	-0.3%
6.2%	55.3	55.3	0.0	0.1%
7.4%	55.2	55.2	0.0	0.0%
8.6%	55.1	55.2	0.1	0.2%
9.9%	55.0	55.2	0.2	0.3%
11.1%	55.0	54.8	-0.2	-0.4%
12.3%	54.9	54.7	-0.2	-0.3%
13.6%	54.9	54.7	-0.2	-0.3%
14.8%	54.7	54.7	-0.1	-0.1%
16.0%	54.6	54.6	0.0	0.0%
17.3%	54.6	54.6	0.0	0.0%
18.5%	54.6	54.6	0.0	0.1%
19.8%	54.4	54.5	0.1	0.3%
21.0%	54.3	54.5	0.1	0.3%
22.2%	54.3	54.4	0.2	0.3%
23.5%	54.0	54.2	0.2	0.4%
24.7%	54.0	54.2	0.2	0.3%
25.9%	53.9	54.1	0.3	0.5%
27.2%	53.8	54.0	0.2	0.3%
28.4%	53.7	53.7	0.0	0.1%
29.6%	53.6	53.7	0.1	0.1%
30.9%	53.5	53.6	0.1	0.3%
32.1%	53.4	53.6	0.2	0.4%
33.3%	53.4	53.5	0.1	0.2%
34.6%	53.2	53.5	0.3	0.6%
35.8%	53.1	53.4	0.3	0.6%
37.0%	53.1	53.4	0.3	0.6%
38.3%	53.0	53.4	0.3	0.6%
39.5%	53.0	53.2	0.2	0.4%
40.7%	53.0	53.2	0.2	0.4%
42.0%	53.0	53.2	0.3	0.5%
43.2%	52.9	53.2	0.3	0.5%
44.4%	52.8	53.2	0.4	0.7%
45.7%	52.7	53.1	0.5	0.9%
46.9%	52.6	53.1	0.5	0.9%
48.1%	52.6	53.1	0.5	0.9%
49.4%	52.6	53.0	0.4	0.8%
50.6%	52.6	53.0	0.4	0.8%
51.9%	52.6	53.0	0.4	0.8%
53.1%	52.5	53.0	0.4	0.8%
54.3%	52.5	52.9	0.4	0.8%
55.6%	52.5	52.8	0.3	0.7%
56.8%	52.4	52.7	0.3	0.5%
58.0%	52.4	52.7	0.3	0.5%
59.3%	52.4	52.7	0.3	0.6%
60.5%	52.3	52.7	0.3	0.6%
61.7%	52.2	52.6	0.3	0.7%
63.0%	52.2	52.4	0.2	0.4%
64.2%	52.2	52.4	0.2	0.4%
65.4%	52.2	52.3	0.1	0.3%
66.7%	52.2	52.3	0.1	0.3%
67.9%	52.1	52.2	0.0	0.1%
69.1%	52.1	52.2	0.1	0.2%
70.4%	52.0	52.2	0.2	0.4%
71.6%	51.9	52.2	0.2	0.5%
72.8%	51.8	52.2	0.3	0.6%
74.1%	51.8	52.1	0.3	0.6%
75.3%	51.8	52.1	0.3	0.6%
76.5%	51.7	52.1	0.3	0.7%
77.8%	51.7	52.0	0.3	0.6%
79.0%	51.7	52.0	0.3	0.6%
80.2%	51.6	52.0	0.3	0.7%
81.5%	51.6	52.0	0.3	0.7%
82.7%	51.6	51.9	0.3	0.7%
84.0%	51.6	51.8	0.3	0.5%
85.2%	51.5	51.8	0.2	0.5%
86.4%	51.5	51.8	0.2	0.5%
87.7%	51.5	51.7	0.2	0.4%
88.9%	51.3	51.6	0.3	0.5%
90.1%	51.3	51.6	0.3	0.6%
91.4%	51.3	51.5	0.2	0.4%
92.6%	51.2	51.5	0.3	0.6%
93.8%	51.1	51.2	0.1	0.2%
95.1%	50.9	51.2	0.3	0.5%
96.3%	50.8	51.2	0.4	0.7%
97.5%	50.7	50.7	0.1	0.2%
98.8%	50.6	50.7	0.1	0.2%
100.0%	50.6	50.7	0.1	0.2%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	64.8	60.2	-4.6	-7.0%
1.2%	57.7	55.7	-2.0	-3.4%
2.5%	56.5	55.6	-0.9	-1.6%
3.7%	56.3	55.4	-0.9	-1.6%
4.9%	56.2	55.4	-0.8	-1.4%
6.2%	56.2	55.4	-0.8	-1.5%
7.4%	55.7	55.2	-0.5	-0.8%
8.6%	55.5	55.2	-0.2	-0.4%
9.9%	55.4	55.2	-0.2	-0.3%
11.1%	55.4	55.2	-0.2	-0.3%
12.3%	55.3	55.2	-0.2	-0.3%
13.6%	55.3	55.1	-0.2	-0.4%
14.8%	55.2	55.0	-0.2	-0.4%
16.0%	55.2	54.9	-0.2	-0.4%
17.3%	55.1	54.9	-0.2	-0.4%
18.5%	55.1	54.9	-0.3	-0.5%
19.8%	55.1	54.8	-0.3	-0.6%
21.0%	55.1	54.8	-0.3	-0.5%
22.2%	55.0	54.8	-0.2	-0.3%
23.5%	54.9	54.8	-0.2	-0.3%
24.7%	54.9	54.7	-0.2	-0.3%
25.9%	54.9	54.7	-0.2	-0.3%
27.2%	54.8	54.7	-0.1	-0.2%
28.4%	54.8	54.7	-0.1	-0.2%
29.6%	54.8	54.7	-0.1	-0.2%
30.9%	54.8	54.7	-0.1	-0.1%
32.1%	54.7	54.6	-0.1	-0.2%
33.3%	54.6	54.6	-0.1	-0.1%
34.6%	54.6	54.6	0.0	-0.1%
35.8%	54.5	54.5	0.0	0.1%
37.0%	54.4	54.4	0.0	0.0%
38.3%	54.4	54.4	0.0	0.0%
39.5%	54.4	54.4	0.0	0.1%
40.7%	54.3	54.4	0.0	0.1%
42.0%	54.3	54.3	0.0	0.0%
43.2%	54.3	54.3	0.0	-0.1%
44.4%	54.3	54.2	-0.1	-0.1%
45.7%	54.2	54.2	0.0	-0.1%
46.9%	54.2	54.2	0.0	-0.1%
48.1%	54.2	54.1	-0.1	-0.1%
49.4%	54.2	54.1	-0.1	-0.2%
50.6%	54.1	54.1	-0.1	-0.1%
51.9%	54.1	54.0	-0.1	-0.3%
53.1%	54.1	53.8	-0.2	-0.4%
54.3%	54.0	53.8	-0.2	-0.4%
55.6%	53.9	53.8	-0.2	-0.3%
56.8%	53.9	53.7	-0.1	-0.3%
58.0%	53.8	53.7	-0.1	-0.2%
59.3%	53.8	53.7	-0.1	-0.2%
60.5%	53.7	53.5	-0.2	-0.3%
61.7%	53.7	53.5	-0.2	-0.3%
63.0%	53.6	53.4	-0.2	-0.4%
64.2%	53.6	53.4	-0.2	-0.3%
65.4%	53.6	53.4	-0.2	-0.4%
66.7%	53.6	53.3	-0.3	-0.5%
67.9%	53.5	53.3	-0.2	-0.4%
69.1%	53.5	53.2	-0.2	-0.4%
70.4%	53.4	53.1	-0.3	-0.6%
71.6%	53.3	53.1	-0.2	-0.4%
72.8%	53.2	53.1	-0.1	-0.2%
74.1%	53.2	53.1	-0.1	-0.2%
75.3%	53.2	53.0	-0.2	-0.3%
76.5%	53.1	53.0	-0.1	-0.1%
77.8%	53.0	53.0	0.0	-0.1%
79.0%	53.0	52.9	-0.1	-0.2%
80.2%	53.0	52.8	-0.2	-0.4%
81.5%	53.0	52.8	-0.2	-0.4%
82.7%	53.0	52.7	-0.3	-0.5%
84.0%	53.0	52.7	-0.3	-0.5%
85.2%	52.9	52.6	-0.3	-0.6%
86.4%	52.9	52.6	-0.3	-0.6%
87.7%	52.9	52.6	-0.3	-0.5%
88.9%	52.7	52.6	-0.1	-0.2%
90.1%	52.7	52.5	-0.2	-0.3%
91.4%	52.6	52.4	-0.2	-0.4%
92.6%	52.4	52.2	-0.2	-0.5%
93.8%	52.4	52.2	-0.3	-0.5%
95.1%	51.9	51.9	0.0	0.0%
96.3%	51.9	51.8	-0.1	-0.1%
97.5%	51.7	51.7	0.0	0.0%
98.8%	51.7	51.6	-0.1	-0.2%
100.0%	51.7	51.6	-0.1	-0.2%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	65.7	65.9	0.2	0.3%
1.2%	63.5	59.1	-4.4	-6.9%
2.5%	61.5	58.1	-3.4	-5.6%
3.7%	57.8	56.9	-0.9	-1.5%
4.9%	57.5	56.5	-1.0	-1.7%
6.2%	56.8	56.2	-0.6	-1.0%
7.4%	56.4	56.1	-0.3	-0.5%
8.6%	56.1	55.9	-0.2	-0.3%
9.9%	55.9	55.9	0.0	0.0%
11.1%	55.8	55.4	-0.4	-0.8%
12.3%	55.6	55.4	-0.2	-0.4%
13.6%	55.6	55.3	-0.3	-0.5%
14.8%	55.6	55.2	-0.4	-0.6%
16.0%	55.5	55.0	-0.5	-0.8%
17.3%	55.4	55.0	-0.4	-0.8%
18.5%	55.4	55.0	-0.4	-0.7%
19.8%	55.3	54.8	-0.5	-0.8%
21.0%	55.3	54.8	-0.5	-0.8%
22.2%	55.2	54.8	-0.4	-0.7%
23.5%	55.1	54.8	-0.3	-0.6%
24.7%	55.0	54.8	-0.2	-0.4%
25.9%	54.9	54.8	-0.2	-0.3%
27.2%	54.7	54.8	0.1	0.1%
28.4%	54.6	54.7	0.1	0.1%
29.6%	54.6	54.7	0.0	0.1%
30.9%	54.6	54.6	0.0	0.0%
32.1%	54.6	54.6	0.0	0.0%
33.3%	54.5	54.6	0.1	0.2%
34.6%	54.2	54.6	0.3	0.6%
35.8%	54.2	54.4	0.2	0.4%
37.0%	54.1	54.3	0.2	0.4%
38.3%	54.1	54.2	0.1	0.2%
39.5%	54.1	54.2	0.1	0.1%
40.7%	53.9	54.0	0.1	0.2%
42.0%	53.9	54.0	0.1	0.2%
43.2%	53.6	53.9	0.4	0.7%
44.4%	53.5	53.9	0.4	0.7%
45.7%	53.5	53.8	0.3	0.6%
46.9%	53.5	53.5	0.0	0.0%
48.1%	53.5	53.4	0.0	-0.1%
49.4%	53.4	53.4	0.0	0.0%
50.6%	53.2	53.4	0.2	0.3%
51.9%	53.2	53.4	0.2	0.3%
53.1%	53.1	53.4	0.2	0.4%
54.3%	53.0	53.3	0.3	0.6%
55.6%	53.0	53.3	0.3	0.6%
56.8%	52.9	53.2	0.3	0.6%
58.0%	52.9	53.2	0.3	0.5%
59.3%	52.7	53.2	0.5	1.0%
60.5%	52.6	53.2	0.5	1.0%
61.7%	52.5	53.2	0.7	1.3%
63.0%	52.5	53.1	0.7	1.3%
64.2%	52.5	53.1	0.6	1.2%
65.4%	52.5	53.1	0.6	1.2%
66.7%	52.4	53.0	0.7	1.2%
67.9%	52.4	53.0	0.6	1.2%
69.1%	52.4	52.9	0.6	1.1%
70.4%	52.3	52.7	0.4	0.8%
71.6%	52.3	52.7	0.4	0.8%
72.8%	52.2	52.7	0.5	0.9%
74.1%	52.1	52.7	0.6	1.1%
75.3%	52.0	52.6	0.6	1.2%
76.5%	51.9	52.6	0.6	1.2%
77.8%	51.9	52.5	0.7	1.3%
79.0%	51.8	52.5	0.7	1.4%
80.2%	51.7	52.5	0.8	1.5%
81.5%	51.6	52.5	0.8	1.6%
82.7%	51.6	52.4	0.9	1.7%
84.0%	51.6	52.4	0.9	1.7%
85.2%	51.6	52.0	0.4	0.8%
86.4%	51.6	51.8	0.2	0.4%
87.7%	51.5	51.5	0.0	0.0%
88.9%	51.2	51.3	0.1	0.3%
90.1%	51.1	51.2	0.0	0.0%
91.4%	51.0	50.9	-0.2	-0.3%
92.6%	51.0	50.8	-0.1	-0.3%
93.8%	50.7	50.8	0.1	0.2%
95.1%	50.6	50.8	0.1	0.3%
96.3%	50.5	50.5	0.0	0.0%
97.5%	50.4	50.5	0.1	0.2%
98.8%	50.2	50.4	0.1	0.3%
100.0%	50.2	50.4	0.1	0.3%

Table SQ3-1b

Sacramento River at Bonnyview Bridge, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.4	58.8	-1.6	-2.7%
1.2%	57.1	55.5	-1.6	-2.8%
2.5%	56.5	55.5	-1.0	-1.8%
3.7%	55.7	55.4	-0.3	-0.6%
4.9%	55.3	55.1	-0.2	-0.4%
6.2%	55.1	55.1	0.0	-0.1%
7.4%	55.0	55.0	0.0	0.1%
8.6%	55.0	54.9	-0.1	-0.2%
9.9%	54.9	54.8	-0.1	-0.3%
11.1%	54.8	54.7	-0.1	-0.2%
12.3%	54.8	54.6	-0.1	-0.2%
13.6%	54.6	54.6	-0.1	-0.1%
14.8%	54.6	54.6	0.0	0.0%
16.0%	54.6	54.6	0.0	0.0%
17.3%	54.5	54.3	-0.2	-0.4%
18.5%	54.5	54.3	-0.3	-0.5%
19.8%	54.5	54.2	-0.2	-0.4%
21.0%	54.3	54.1	-0.1	-0.2%
22.2%	54.2	54.0	-0.2	-0.4%
23.5%	54.1	54.0	-0.2	-0.3%
24.7%	53.9	54.0	0.0	0.1%
25.9%	53.9	53.9	0.0	0.1%
27.2%	53.9	53.9	0.0	-0.1%
28.4%	53.9	53.8	-0.1	-0.2%
29.6%	53.8	53.7	-0.1	-0.1%
30.9%	53.8	53.6	-0.2	-0.3%
32.1%	53.7	53.6	-0.1	-0.2%
33.3%	53.6	53.6	0.0	-0.1%
34.6%	53.3	53.5	0.2	0.3%
35.8%	53.3	53.5	0.1	0.2%
37.0%	53.3	53.4	0.1	0.2%
38.3%	53.2	53.4	0.2	0.4%
39.5%	53.1	53.3	0.2	0.3%
40.7%	53.1	53.3	0.1	0.2%
42.0%	53.0	53.2	0.2	0.4%
43.2%	52.9	53.2	0.3	0.5%
44.4%	52.9	53.1	0.2	0.5%
45.7%	52.8	53.1	0.3	0.6%
46.9%	52.8	53.0	0.3	0.5%
48.1%	52.7	52.9	0.2	0.4%
49.4%	52.7	52.9	0.2	0.4%
50.6%	52.7	52.8	0.2	0.3%
51.9%	52.6	52.8	0.2	0.3%
53.1%	52.6	52.7	0.1	0.2%
54.3%	52.6	52.7	0.1	0.2%
55.6%	52.5	52.7	0.2	0.4%
56.8%	52.5	52.7	0.2	0.4%
58.0%	52.4	52.7	0.2	0.4%
59.3%	52.4	52.7	0.2	0.4%
60.5%	52.4	52.7	0.2	0.5%
61.7%	52.3	52.6	0.3	0.6%
63.0%	52.3	52.6	0.3	0.6%
64.2%	52.2	52.6	0.4	0.7%
65.4%	52.2	52.5	0.3	0.7%
66.7%	52.1	52.5	0.4	0.8%
67.9%	52.1	52.5	0.4	0.8%
69.1%	52.1	52.4	0.3	0.6%
70.4%	52.1	52.4	0.3	0.5%
71.6%	52.1	52.4	0.3	0.5%
72.8%	52.1	52.3	0.3	0.5%
74.1%	52.0	52.3	0.2	0.5%
75.3%	52.0	52.2	0.3	0.5%
76.5%	52.0	52.1	0.1	0.3%
77.8%	52.0	52.1	0.1	0.2%
79.0%	51.9	52.1	0.2	0.3%
80.2%	51.8	52.1	0.3	0.5%
81.5%	51.8	51.9	0.1	0.3%
82.7%	51.8	51.9	0.1	0.2%
84.0%	51.6	51.9	0.3	0.5%
85.2%	51.6	51.8	0.2	0.5%
86.4%	51.6	51.8	0.3	0.5%
87.7%	51.5	51.8	0.2	0.4%
88.9%	51.5	51.7	0.1	0.3%
90.1%	51.5	51.6	0.1	0.2%
91.4%	51.3	51.5	0.2	0.4%
92.6%	51.3	51.5	0.3	0.5%
93.8%	51.2	51.4	0.2	0.4%
95.1%	51.1	51.3	0.2	0.3%
96.3%	51.1	51.2	0.1	0.2%
97.5%	51.0	51.2	0.1	0.3%
98.8%	51.0	50.9	-0.1	-0.2%
100.0%	50.9	50.8	-0.1	-0.2%

July to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	62.6	60.7	-1.9	-3.0%
1.2%	58.6	56.3	-2.3	-3.9%
2.5%	57.7	56.3	-1.4	-2.4%
3.7%	56.4	55.5	-0.9	-1.6%
4.9%	56.0	55.5	-0.5	-0.9%
6.2%	55.8	55.5	-0.3	-0.5%
7.4%	55.6	55.5	-0.2	-0.3%
8.6%	55.4	55.5	0.1	0.2%
9.9%	55.4	55.4	0.1	0.1%
11.1%	55.3	55.4	0.1	0.1%
12.3%	55.3	55.3	0.0	-0.1%
13.6%	55.3	55.2	-0.1	-0.2%
14.8%	55.3	55.1	-0.1	-0.3%
16.0%	55.2	55.0	-0.2	-0.3%
17.3%	55.1	54.9	-0.2	-0.4%
18.5%	55.0	54.8	-0.2	-0.3%
19.8%	55.0	54.7	-0.3	-0.5%
21.0%	54.8	54.7	-0.2	-0.3%
22.2%	54.8	54.7	-0.1	-0.2%
23.5%	54.6	54.6	0.0	0.0%
24.7%	54.6	54.6	0.0	0.0%
25.9%	54.6	54.6	0.0	0.0%
27.2%	54.5	54.4	-0.1	-0.2%
28.4%	54.5	54.3	-0.2	-0.5%
29.6%	54.4	54.2	-0.2	-0.4%
30.9%	54.4	54.2	-0.2	-0.4%
32.1%	54.2	54.1	-0.1	-0.1%
33.3%	54.2	54.1	-0.1	-0.1%
34.6%	54.1	54.1	0.0	-0.1%
35.8%	54.0	54.0	0.0	0.0%
37.0%	53.9	54.0	0.0	0.1%
38.3%	53.7	53.9	0.2	0.4%
39.5%	53.7	53.8	0.1	0.1%
40.7%	53.6	53.6	0.0	0.0%
42.0%	53.5	53.6	0.0	0.1%
43.2%	53.4	53.5	0.2	0.3%
44.4%	53.4	53.5	0.1	0.3%
45.7%	53.3	53.5	0.3	0.5%
46.9%	53.2	53.5	0.3	0.6%
48.1%	53.2	53.5	0.3	0.5%
49.4%	53.2	53.4	0.3	0.5%
50.6%	53.2	53.4	0.2	0.4%
51.9%	53.2	53.4	0.2	0.4%
53.1%	53.1	53.3	0.2	0.4%
54.3%	53.1	53.3	0.3	0.5%
55.6%	53.1	53.2	0.1	0.2%
56.8%	53.0	53.1	0.2	0.3%
58.0%	52.9	53.1	0.2	0.3%
59.3%	52.9	53.1	0.2	0.4%
60.5%	52.8	53.1	0.2	0.4%
61.7%	52.8	53.0	0.2	0.4%
63.0%	52.8	53.0	0.2	0.4%
64.2%	52.7	53.0	0.3	0.6%
65.4%	52.6	53.0	0.4	0.7%
66.7%	52.6	53.0	0.3	0.7%
67.9%	52.6	52.9	0.3	0.6%
69.1%	52.5	52.9	0.3	0.6%
70.4%	52.5	52.8	0.3	0.6%
71.6%	52.5	52.8	0.4	0.7%
72.8%	52.5	52.8	0.3	0.7%
74.1%	52.5	52.7	0.3	0.5%
75.3%	52.4	52.7	0.2	0.5%
76.5%	52.4	52.6	0.2	0.4%
77.8%	52.4	52.5	0.2	0.3%
79.0%	52.4	52.4	0.1	0.1%
80.2%	52.4	52.4	0.0	0.0%
81.5%	52.3	52.4	0.1	0.1%
82.7%	52.3	52.4	0.1	0.1%
84.0%	52.2	52.4	0.1	0.3%
85.2%	52.1	52.3	0.2	0.3%
86.4%	51.9	52.0	0.1	0.2%
87.7%	51.9	52.0	0.1	0.2%
88.9%	51.9	51.9	0.0	0.1%
90.1%	51.8	51.8	0.1	0.1%
91.4%	51.7	51.8	0.1	0.2%
92.6%	51.7	51.8	0.1	0.3%
93.8%	51.6	51.8	0.1	0.2%
95.1%	51.6	51.7	0.1	0.2%
96.3%	51.5	51.3	-0.2	-0.3%
97.5%	51.4	51.3	0.0	-0.1%
98.8%	51.4	51.3	-0.1	-0.1%
100.0%	51.2	50.9	-0.3	-0.6%

August to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	65.2	63.0	-2.2	-3.4%
1.2%	60.6	57.2	-3.4	-5.7%
2.5%	58.9	56.8	-2.1	-3.6%
3.7%	57.1	56.1	-1.1	-1.9%
4.9%	56.6	55.9	-0.7	-1.2%
6.2%	56.3	55.9	-0.4	-0.7%
7.4%	56.2	55.8	-0.4	-0.6%
8.6%	55.8	55.5	-0.3	-0.5%
9.9%	55.5	55.4	-0.1	-0.2%
11.1%	55.5	55.3	-0.2	-0.4%
12.3%	55.5	55.3	-0.2	-0.4%
13.6%	55.3	55.3	0.0	-0.1%
14.8%	55.3	55.1	-0.2	-0.3%
16.0%	55.2	55.0	-0.2	-0.3%
17.3%	55.2	55.0	-0.2	-0.4%
18.5%	55.1	54.9	-0.2	-0.4%
19.8%	55.1	54.8	-0.3	-0.5%
21.0%	55.1	54.8	-0.3	-0.5%
22.2%	55.1	54.8	-0.3	-0.5%
23.5%	55.0	54.8	-0.3	-0.5%
24.7%	55.0	54.7	-0.2	-0.4%
25.9%	54.9	54.7	-0.2	-0.4%
27.2%	54.9	54.7	-0.2	-0.4%
28.4%	54.9	54.7	-0.2	-0.3%
29.6%	54.9	54.7	-0.2	-0.3%
30.9%	54.8	54.7	-0.1	-0.2%
32.1%	54.6	54.6	0.0	0.0%
33.3%	54.6	54.5	-0.1	-0.2%
34.6%	54.4	54.5	0.0	0.1%
35.8%	54.3	54.5	0.2	0.3%
37.0%	54.2	54.2	0.0	0.0%
38.3%	54.1	54.2	0.1	0.2%
39.5%	54.0	54.2	0.2	0.3%
40.7%	54.0	54.1	0.1	0.2%
42.0%	53.9	54.0	0.0	0.0%
43.2%	53.9	53.8	-0.1	-0.2%
44.4%	53.8	53.8	0.0	0.0%
45.7%	53.8	53.7	-0.1	-0.1%
46.9%	53.7	53.7	0.1	0.1%
48.1%	53.6	53.6	0.0	0.1%
49.4%	53.5	53.6	0.1	0.1%
50.6%	53.4	53.6	0.2	0.3%
51.9%	53.4	53.6	0.2	0.3%
53.1%	53.4	53.6	0.2	0.3%
54.3%	53.3	53.6	0.2	0.4%
55.6%	53.3	53.5	0.2	0.4%
56.8%	53.3	53.5	0.2	0.4%
58.0%	53.2	53.4	0.2	0.4%
59.3%	53.2	53.4	0.2	0.4%
60.5%	53.2	53.4	0.2	0.5%
61.7%	53.2	53.4	0.3	0.5%
63.0%	53.1	53.4	0.3	0.6%
64.2%	53.1	53.4	0.3	0.6%
65.4%	53.1	53.3	0.2	0.4%
66.7%	53.0	53.3	0.3	0.5%
67.9%	53.0	53.3	0.2	0.5%
69.1%	53.0	52.9	-0.1	-0.1%
70.4%	52.9	52.9	0.0	0.0%
71.6%	52.9	52.9	0.0	0.0%
72.8%	52.8	52.9	0.0	0.1%
74.1%	52.8	52.9	0.1	0.1%
75.3%	52.7	52.9	0.1	0.2%
76.5%	52.7	52.8	0.2	0.3%
77.8%	52.6	52.8	0.2	0.4%
79.0%	52.4	52.8	0.3	0.7%
80.2%	52.4	52.8	0.3	0.7%
81.5%	52.4	52.7	0.3	0.6%
82.7%	52.3	52.7	0.4	0.7%
84.0%	52.3	52.5	0.2	0.4%
85.2%	52.2	52.3	0.1	0.2%
86.4%	52.2	52.1	-0.1	-0.2%
87.7%	52.1	52.1	0.0	-0.1%
88.9%	52.1	52.0	-0.1	-0.1%
90.1%	52.0	52.0	0.0	-0.1%
91.4%	52.0	52.0	0.0	0.0%
92.6%	51.8	51.7	-0.1	-0.2%
93.8%	51.8	51.7	-0.1	-0.2%
95.1%	51.6	51.6	0.0	0.0%
96.3%	51.6	51.4	-0.2	-0.3%
97.5%	51.5	51.2	-0.2	-0.4%
98.8%	51.2	51.2	0.0	0.0%
100.0%	51.0	50.5	-0.5	-0.9%

Figure SQ4-1b
Sacramento River at Balls Ferry, Monthly Temperature
Probability of Exceedance

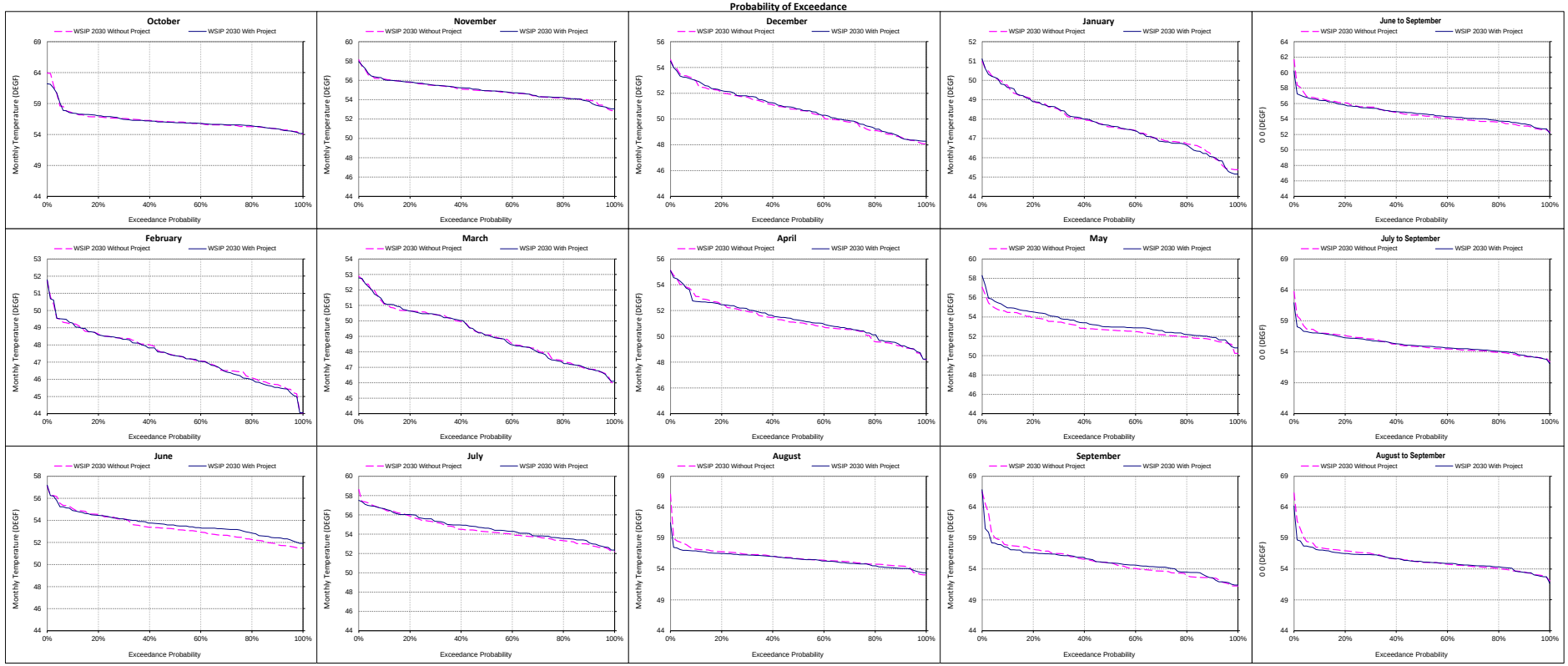


Table SQ4-1b

Sacramento River at Balls Ferry, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	63.9	62.2	-1.7	-2.7%
1.2%	63.9	62.1	-1.7	-2.7%
2.5%	61.9	61.5	-0.4	-0.7%
3.7%	60.6	60.7	0.0	0.1%
4.9%	58.6	59.1	0.5	0.9%
6.2%	58.6	57.9	-0.7	-1.2%
7.4%	57.8	57.9	0.1	0.1%
8.6%	57.7	57.6	-0.1	-0.2%
9.9%	57.5	57.4	0.0	0.0%
11.1%	57.4	57.4	0.0	0.1%
12.3%	57.2	57.3	0.1	0.2%
13.6%	57.2	57.3	0.1	0.1%
14.8%	57.1	57.3	0.2	0.3%
16.0%	56.9	57.2	0.4	0.6%
17.3%	56.9	57.2	0.3	0.6%
18.5%	56.9	57.1	0.3	0.5%
19.8%	56.8	57.0	0.2	0.3%
21.0%	56.8	57.0	0.2	0.3%
22.2%	56.8	56.9	0.1	0.3%
23.5%	56.7	56.9	0.2	0.3%
24.7%	56.7	56.9	0.2	0.4%
25.9%	56.6	56.8	0.2	0.3%
27.2%	56.6	56.7	0.1	0.2%
28.4%	56.6	56.6	0.0	0.0%
29.6%	56.6	56.5	-0.1	-0.2%
30.9%	56.6	56.4	-0.1	-0.3%
32.1%	56.5	56.4	-0.1	-0.3%
33.3%	56.5	56.3	-0.2	-0.3%
34.6%	56.4	56.3	-0.1	-0.3%
35.8%	56.4	56.3	-0.1	-0.2%
37.0%	56.3	56.3	-0.1	-0.1%
38.3%	56.3	56.2	-0.1	-0.1%
39.5%	56.3	56.2	-0.1	-0.1%
40.7%	56.3	56.2	-0.1	-0.2%
42.0%	56.2	56.2	-0.1	-0.1%
43.2%	56.1	56.0	-0.1	-0.2%
44.4%	56.1	56.0	-0.1	-0.2%
45.7%	56.1	56.0	-0.1	-0.2%
46.9%	56.1	56.0	-0.1	-0.2%
48.1%	56.0	56.0	0.0	-0.1%
49.4%	56.0	55.9	-0.1	-0.1%
50.6%	56.0	55.9	-0.1	-0.2%
51.9%	56.0	55.9	-0.1	-0.2%
53.1%	56.0	55.9	-0.1	-0.2%
54.3%	55.9	55.9	-0.1	-0.1%
55.6%	55.9	55.9	-0.1	-0.1%
56.8%	55.8	55.9	0.1	0.1%
58.0%	55.8	55.8	0.1	0.1%
59.3%	55.7	55.8	0.1	0.1%
60.5%	55.7	55.8	0.0	0.1%
61.7%	55.6	55.7	0.1	0.2%
63.0%	55.6	55.7	0.1	0.2%
64.2%	55.6	55.7	0.1	0.2%
65.4%	55.6	55.7	0.1	0.2%
66.7%	55.5	55.6	0.1	0.2%
67.9%	55.5	55.6	0.1	0.2%
69.1%	55.5	55.6	0.1	0.1%
70.4%	55.5	55.6	0.1	0.1%
71.6%	55.5	55.6	0.1	0.2%
72.8%	55.5	55.6	0.1	0.2%
74.1%	55.4	55.5	0.1	0.2%
75.3%	55.3	55.5	0.2	0.4%
76.5%	55.3	55.5	0.2	0.4%
77.8%	55.3	55.5	0.2	0.4%
79.0%	55.3	55.5	0.2	0.4%
80.2%	55.3	55.4	0.1	0.2%
81.5%	55.2	55.3	0.1	0.1%
82.7%	55.2	55.3	0.1	0.1%
84.0%	55.2	55.2	0.0	0.1%
85.2%	55.1	55.1	0.0	0.0%
86.4%	55.1	55.0	-0.1	-0.1%
87.7%	55.0	55.0	0.0	0.0%
88.9%	55.0	55.0	0.0	0.0%
90.1%	54.9	54.9	0.0	0.0%
91.4%	54.7	54.8	0.1	0.1%
92.6%	54.7	54.6	-0.1	-0.2%
93.8%	54.7	54.6	-0.1	-0.2%
95.1%	54.6	54.5	-0.1	-0.1%
96.3%	54.5	54.5	0.0	0.0%
97.5%	54.5	54.3	-0.1	-0.3%
98.8%	54.1	54.2	0.1	0.2%
100.0%	54.1	54.2	0.0	0.2%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.1	57.9	-0.2	-0.3%
1.2%	57.5	57.6	0.1	0.2%
2.5%	57.1	57.2	0.1	0.2%
3.7%	56.6	56.8	0.2	0.4%
4.9%	56.5	56.5	-0.1	-0.1%
6.2%	56.2	56.4	0.1	0.3%
7.4%	56.2	56.3	0.1	0.2%
8.6%	56.2	56.3	0.1	0.2%
9.9%	56.1	56.1	-0.1	-0.1%
11.1%	56.1	56.0	-0.1	-0.1%
12.3%	56.0	56.0	0.0	-0.1%
13.6%	56.0	56.0	0.0	0.0%
14.8%	56.0	55.9	0.0	0.0%
16.0%	55.9	55.9	0.0	0.0%
17.3%	55.9	55.9	0.0	0.0%
18.5%	55.8	55.8	0.0	0.0%
19.8%	55.8	55.8	0.0	0.1%
21.0%	55.8	55.8	0.0	0.1%
22.2%	55.8	55.7	0.0	-0.1%
23.5%	55.6	55.7	0.1	0.1%
24.7%	55.6	55.7	0.1	0.2%
25.9%	55.6	55.6	0.0	0.0%
27.2%	55.5	55.6	0.1	0.1%
28.4%	55.5	55.5	0.0	0.1%
29.6%	55.5	55.5	0.0	0.0%
30.9%	55.5	55.5	0.0	0.0%
32.1%	55.4	55.5	0.0	0.1%
33.3%	55.4	55.4	0.0	0.0%
34.6%	55.3	55.4	0.1	0.1%
35.8%	55.3	55.4	0.1	0.1%
37.0%	55.3	55.3	0.0	0.0%
38.3%	55.2	55.3	0.1	0.2%
39.5%	55.1	55.2	0.1	0.3%
40.7%	55.1	55.2	0.1	0.3%
42.0%	55.1	55.2	0.2	0.3%
43.2%	55.0	55.2	0.2	0.3%
44.4%	55.0	55.1	0.1	0.2%
45.7%	55.0	55.1	0.1	0.2%
46.9%	55.0	55.1	0.1	0.2%
48.1%	54.9	55.0	0.0	0.0%
49.4%	54.9	54.9	0.0	0.0%
50.6%	54.9	54.9	0.0	0.0%
51.9%	54.9	54.9	0.0	0.0%
53.1%	54.9	54.9	0.0	0.0%
54.3%	54.9	54.9	0.0	0.1%
55.6%	54.8	54.9	0.1	0.2%
56.8%	54.8	54.8	0.0	0.1%
58.0%	54.8	54.8	0.0	0.1%
59.3%	54.7	54.7	0.0	0.0%
60.5%	54.6	54.7	0.1	0.1%
61.7%	54.6	54.7	0.1	0.1%
63.0%	54.6	54.7	0.0	0.1%
64.2%	54.6	54.7	0.0	0.1%
65.4%	54.6	54.6	0.0	0.0%
66.7%	54.6	54.6	0.0	0.0%
67.9%	54.4	54.5	0.0	0.1%
69.1%	54.4	54.4	0.0	0.1%
70.4%	54.4	54.3	-0.1	-0.1%
71.6%	54.3	54.3	0.0	0.0%
72.8%	54.3	54.3	0.0	0.1%
74.1%	54.2	54.3	0.0	0.1%
75.3%	54.2	54.3	0.0	0.1%
76.5%	54.2	54.3	0.1	0.1%
77.8%	54.2	54.2	0.1	0.1%
79.0%	54.2	54.2	0.1	0.2%
80.2%	54.1	54.2	0.1	0.1%
81.5%	54.1	54.1	0.0	0.0%
82.7%	54.1	54.1	0.0	0.0%
84.0%	54.1	54.1	0.0	0.0%
85.2%	54.1	54.1	0.0	0.0%
86.4%	54.1	54.1	0.0	0.0%
87.7%	54.1	53.9	-0.1	-0.2%
88.9%	54.0	53.9	-0.1	-0.2%
90.1%	53.9	53.8	-0.1	-0.2%
91.4%	53.9	53.6	-0.3	-0.6%
92.6%	53.8	53.4	-0.4	-0.8%
93.8%	53.5	53.4	-0.1	-0.2%
95.1%	53.4	53.3	-0.1	-0.3%
96.3%	53.3	53.2	-0.1	-0.1%
97.5%	53.0	53.1	0.1	0.3%
98.8%	52.9	53.1	0.2	0.3%
100.0%	52.9	53.1	0.2	0.3%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.6	54.5	-0.1	-0.2%
1.2%	54.0	54.0	0.0	0.0%
2.5%	53.9	53.7	-0.2	-0.3%
3.7%	53.5	53.3	-0.2	-0.3%
4.9%	53.4	53.2	-0.1	-0.2%
6.2%	53.4	53.2	-0.1	-0.2%
7.4%	53.3	53.1	-0.1	-0.2%
8.6%	53.2	53.1	-0.1	-0.2%
9.9%	53.0	53.0	0.0	0.0%
11.1%	52.5	52.9	0.4	0.7%
12.3%	52.5	52.8	0.3	0.6%
13.6%	52.4	52.6	0.2	0.3%
14.8%	52.3	52.6	0.2	0.4%
16.0%	52.3	52.4	0.0	0.1%
17.3%	52.3	52.3	0.1	0.1%
18.5%	52.2	52.3	0.1	0.1%
19.8%	52.1	52.2	0.1	0.2%
21.0%	52.0	52.2	0.2	0.3%
22.2%	52.0	52.1	0.2	0.3%
23.5%	51.9	52.1	0.2	0.4%
24.7%	51.8	52.0	0.2	0.4%
25.9%	51.8	51.8	0.0	0.0%
27.2%	51.8	51.8	0.1	0.1%
28.4%	51.7	51.8	0.1	0.1%
29.6%	51.7	51.8	0.1	0.2%
30.9%	51.6	51.7	0.1	0.2%
32.1%	51.5	51.7	0.2	0.4%
33.3%	51.5	51.7	0.2	0.4%
34.6%	51.4	51.5	0.1	0.2%
35.8%	51.4	51.5	0.1	0.3%
37.0%	51.3	51.4	0.1	0.3%
38.3%	51.2	51.3	0.1	0.3%
39.5%	51.1	51.3	0.1	0.3%
40.7%	51.1	51.2	0.2	0.3%
42.0%	51.0	51.1	0.1	0.2%
43.2%	51.0	51.0	0.1	0.2%
44.4%	50.9	51.0	0.0	0.1%
45.7%	50.9	51.0	0.1	0.1%
46.9%	50.8	50.9	0.1	0.3%
48.1%	50.8	50.9	0.1	0.2%
49.4%	50.8	50.8	0.0	0.1%
50.6%	50.6	50.8	0.1	0.2%
51.9%	50.6	50.7	0.0	0.0%
53.1%	50.6	50.7	0.0	0.0%
54.3%	50.6	50.6	0.0	0.1%
55.6%	50.4	50.6	0.1	0.3%
56.8%	50.4	50.5	0.2	0.3%
58.0%	50.3	50.4	0.0	0.1%
59.3%	50.3	50.3	0.0	0.0%
60.5%	50.0	50.3	0.3	0.5%
61.7%	50.0	50.2	0.2	0.5%
63.0%	50.0	50.1	0.1	0.3%
64.2%	50.0	50.1	0.1	0.3%
65.4%	49.9	50.0	0.1	0.1%
66.7%	49.9	50.0	0.1	0.1%
67.9%	49.8	49.9	0.1	0.2%
69.1%	49.8	49.9	0.1	0.2%
70.4%	49.8	49.8	0.1	0.2%
71.6%	49.7	49.8	0.1	0.2%
72.8%	49.7	49.7	0.0	0.1%
74.1%	49.4	49.6	0.2	0.4%
75.3%	49.4	49.6	0.2	0.4%
76.5%	49.2	49.5	0.2	0.5%
77.8%	49.1	49.4	0.3	0.6%
79.0%	49.1	49.4	0.3	0.5%
80.2%	49.1	49.2	0.1	0.2%
81.5%	49.1	49.2	0.1	0.3%
82.7%	49.0	49.1	0.0	0.1%
84.0%	48.9	49.0	0.1	0.3%
85.2%	48.8	48.9	0.1	0.2%
86.4%	48.8	48.9	0.1	0.2%
87.7%	48.7	48.8	0.1	0.2%
88.9%	48.6	48.7	0.1	0.1%
90.1%	48.6	48.5	-0.1	-0.2%
91.4%	48.5	48.4	0.0	0.0%
92.6%	48.4	48.4	0.0	0.0%
93.8%	48.4	48.4	0.0	0.0%
95.1%	48.3	48.4	0.0	0.1%
96.3%	48.3	48.3	0.1	0.2%
97.5%	48.2	48.3	0.1	0.3%
98.8%	48.1	48.3	0.2	0.4%
100.0%	48.1	48.3	0.2	0.4%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	51.0	51.1	0.1	0.2%
1.2%	50.6	50.6	0.0	0.0%
2.5%	50.5	50.3	-0.2	-0.3%
3.7%	50.2	50.2	0.0	-0.1%
4.9%	50.1	50.2	0.0	0.0%
6.2%	50.0	50.1	0.0	0.1%
7.4%	50.0	49.8	-0.2	-0.3%
8.6%	49.8	49.8	0.0	-0.1%
9.9%	49.7	49.6	-0.1	-0.2%
11.1%	49.5	49.6	0.1	0.3%
12.3%	49.3	49.6	0.2	0.5%
13.6%	49.3	49.3	0.0	0.0%
14.8%	49.2	49.2	0.0	0.1%
16.0%	49.2	49.2	0.1	0.1%
17.3%	49.1	49.1	0.0	-0.1%
18.5%	49.1	49.0	0.0	-0.1%
19.8%	49.0	48.9	-0.1	-0.2%
21.0%	48.8	48.9	0.0	0.1%
22.2%	48.8	48.9	0.0	0.1%
23.5%	48.8	48.7	-0.1	-0.2%
24.7%	48.8	48.7	-0.1	-0.1%
25.9%	48.6	48.7	0.0	0.1%
27.2%	48.6	48.6	0.0	0.1%
28.4%	48.6	48.6	0.1	0.1%
29.6%	48.5	48.5	0.0	0.1%
30.9%	48.4	48.4	0.1	0.1%
32.1%	48.3	48.4	0.1	0.2%
33.3%	48.1	48.2	0.1	0.2%
34.6%	48.1	48.1	0.0	0.1%
35.8%	48.1	48.1	0.0	0.1%
37.0%	48.0	48.1	0.1	0.1%
38.3%	48.0	48.1	0.0	0.1%
39.5%	48.0	48.0	0.0	0.0%
40.7%	47.9	48.0	0.1	0.1%
42.0%	47.9	48.0	0.0	0.1%
43.2%	47.9	47.9	0.0	0.1%
44.4%	47.9	47.8	0.0	0.0%
45.7%	47.8	47.8	0.0	0.0%
46.9%	47.7	47.7	0.0	-0.1%
48.1%	47.6	47.7	0.1	0.1%
49.4%	47.6	47.7	0.1	0.2%
50.6%	47.6	47.6	0.0	0.1%
51.9%	47.6	47.6	0.0	0.1%
53.1%	47.5	47.6	0.1	0.2%
54.3%	47.5	47.5	0.0	0.0%
55.6%	47.5	47.5	0.0	0.1%
56.8%	47.5	47.5	0.0	0.0%
58.0%	47.5	47.4	0.0	0.0%
59.3%	47.4	47.4	0.0	-0.1%
60.5%	47.4	47.4	0.0	0.0%
61.7%	47.3	47.2	0.0	-0.1%
63.0%	47.3	47.2	0.0	-0.1%
64.2%	47.2	47.1	-0.1	-0.2%
65.4%	47.1	47.1	-0.1	-0.1%
66.7%	47.0	47.1	0.0	0.1%
67.9%	47.0	47.0	0.0	0.0%
69.1%	47.0	46.9	-0.1	-0.3%
70.4%	46.9	46.8	-0.1	-0.2%
71.6%	46.9	46.8	0.0	-0.1%
72.8%	46.9	46.8	0.0	-0.1%
74.1%	46.8	46.8	-0.1	-0.2%
75.3%	46.8	46.7	-0.1	-0.2%
76.5%	46.8	46.7	-0.1	-0.1%
77.8%	46.8	46.7	-0.1	-0.1%
79.0%	46.8	46.7	-0.1	-0.2%
80.2%	46.7	46.6	-0.1	-0.2%
81.5%	46.7	46.5	-0.2	-0.4%
82.7%	46.6	46.4	-0.3	-0.6%
84.0%	46.6	46.3	-0.3	-0.6%
85.2%	46.5	46.3	-0.2	-0.5%
86.4%	46.5	46.2	-0.3	-0.6%
87.7%	46.3	46.2	-0.1	-0.3%
88.9%	46.3	46.1	-0.2	-0.4%
90.1%	46.1	46.0	0.0	-0.1%
91.4%	45.9	46.0	0.1	0.1%
92.6%	45.8	45.8	0.0	0.0%
93.8%	45.6	45.8	0.2	0.5%
95.1%	45.5	45.5	0.0	0.0%
96.3%	45.4	45.3	-0.1	-0.3%
97.5%	45.4	45.2	-0.2	-0.5%
98.8%	45.4	45.2	-0.2	-0.5%
100.0%	45.4	45.2	-0.2	-0.5%

Table SQ4-1b

Sacramento River at Balls Ferry, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	51.7	51.8	0.1	0.2%
1.2%	50.8	50.7	-0.1	-0.2%
2.5%	50.4	50.6	0.3	0.5%
3.7%	49.5	49.6	0.0	0.0%
4.9%	49.5	49.5	0.0	0.0%
6.2%	49.3	49.5	0.2	0.4%
7.4%	49.3	49.5	0.2	0.4%
8.6%	49.2	49.3	0.1	0.2%
9.9%	49.2	49.3	0.0	0.1%
11.1%	49.2	49.0	-0.2	-0.3%
12.3%	49.1	49.0	-0.1	-0.2%
13.6%	49.0	49.0	0.0	0.0%
14.8%	48.8	49.0	0.2	0.3%
16.0%	48.8	48.8	0.0	0.0%
17.3%	48.8	48.8	0.0	0.0%
18.5%	48.7	48.7	0.0	0.0%
19.8%	48.7	48.6	-0.1	-0.1%
21.0%	48.5	48.6	0.0	0.0%
22.2%	48.5	48.5	0.0	0.0%
23.5%	48.5	48.5	0.0	0.0%
24.7%	48.5	48.5	0.0	0.0%
25.9%	48.4	48.5	0.0	0.1%
27.2%	48.4	48.4	0.0	0.0%
28.4%	48.4	48.4	0.0	0.0%
29.6%	48.4	48.3	-0.1	-0.1%
30.9%	48.4	48.3	-0.1	-0.1%
32.1%	48.4	48.3	-0.1	-0.1%
33.3%	48.3	48.1	-0.1	-0.3%
34.6%	48.3	48.1	-0.1	-0.3%
35.8%	48.1	48.1	0.0	0.1%
37.0%	48.1	48.0	-0.1	-0.1%
38.3%	48.0	48.0	-0.1	-0.2%
39.5%	48.0	47.8	-0.2	-0.4%
40.7%	48.0	47.8	-0.1	-0.3%
42.0%	47.9	47.8	-0.1	-0.2%
43.2%	47.7	47.6	-0.1	-0.2%
44.4%	47.6	47.6	0.0	0.0%
45.7%	47.6	47.6	0.0	0.1%
46.9%	47.5	47.5	0.0	0.0%
48.1%	47.5	47.4	0.0	-0.1%
49.4%	47.4	47.4	0.0	0.0%
50.6%	47.4	47.4	0.0	-0.1%
51.9%	47.4	47.3	0.0	0.0%
53.1%	47.3	47.3	0.0	0.1%
54.3%	47.2	47.2	0.0	0.0%
55.6%	47.2	47.2	0.0	0.0%
56.8%	47.2	47.2	0.0	0.0%
58.0%	47.1	47.2	0.1	0.1%
59.3%	47.1	47.0	0.0	-0.1%
60.5%	47.1	47.0	0.0	0.0%
61.7%	47.0	47.0	0.0	-0.1%
63.0%	46.9	46.9	0.0	0.1%
64.2%	46.9	46.8	-0.1	-0.2%
65.4%	46.8	46.8	0.0	0.0%
66.7%	46.7	46.7	0.1	0.1%
67.9%	46.5	46.6	0.1	0.2%
69.1%	46.5	46.5	0.0	-0.1%
70.4%	46.5	46.4	-0.1	-0.2%
71.6%	46.5	46.4	-0.1	-0.2%
72.8%	46.5	46.3	-0.2	-0.4%
74.1%	46.5	46.3	-0.2	-0.4%
75.3%	46.4	46.2	-0.2	-0.5%
76.5%	46.4	46.1	-0.4	-0.8%
77.8%	46.2	46.1	-0.1	-0.3%
79.0%	46.1	46.0	-0.1	-0.2%
80.2%	46.1	46.0	-0.1	-0.2%
81.5%	46.0	45.8	-0.2	-0.4%
82.7%	45.9	45.8	-0.1	-0.2%
84.0%	45.9	45.7	-0.1	-0.3%
85.2%	45.8	45.7	-0.2	-0.4%
86.4%	45.8	45.6	-0.1	-0.3%
87.7%	45.7	45.6	-0.1	-0.2%
88.9%	45.7	45.5	-0.2	-0.4%
90.1%	45.7	45.5	-0.2	-0.4%
91.4%	45.6	45.5	-0.1	-0.3%
92.6%	45.6	45.5	-0.1	-0.2%
93.8%	45.4	45.4	0.0	0.0%
95.1%	45.4	45.2	-0.2	-0.4%
96.3%	45.2	45.1	-0.2	-0.3%
97.5%	45.2	45.0	-0.2	-0.4%
98.8%	44.0	44.1	0.0	0.0%
100.0%	44.0	44.1	0.0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.9	52.8	-0.1	-0.2%
1.2%	52.7	52.7	0.0	0.1%
2.5%	52.4	52.4	0.0	0.1%
3.7%	52.4	52.2	-0.2	-0.3%
4.9%	52.0	52.0	0.1	0.1%
6.2%	52.0	51.7	-0.2	-0.4%
7.4%	51.6	51.6	0.0	0.1%
8.6%	51.3	51.5	0.1	0.2%
9.9%	51.1	51.1	0.0	0.1%
11.1%	51.1	51.1	0.0	0.0%
12.3%	50.9	51.1	0.2	0.4%
13.6%	50.8	51.0	0.2	0.4%
14.8%	50.8	50.9	0.2	0.4%
16.0%	50.7	50.9	0.2	0.4%
17.3%	50.7	50.7	0.1	0.1%
18.5%	50.7	50.7	0.1	0.1%
19.8%	50.7	50.6	0.0	-0.1%
21.0%	50.6	50.6	0.0	0.0%
22.2%	50.6	50.6	0.0	-0.1%
23.5%	50.6	50.5	-0.1	-0.1%
24.7%	50.6	50.5	-0.1	-0.2%
25.9%	50.6	50.5	-0.1	-0.2%
27.2%	50.5	50.5	0.0	0.0%
28.4%	50.4	50.5	0.0	0.1%
29.6%	50.4	50.4	0.0	0.0%
30.9%	50.4	50.4	0.0	0.0%
32.1%	50.4	50.3	-0.1	-0.1%
33.3%	50.4	50.2	-0.1	-0.3%
34.6%	50.2	50.2	0.0	-0.1%
35.8%	50.1	50.2	0.0	0.1%
37.0%	50.1	50.1	0.1	0.1%
38.3%	50.0	50.1	0.1	0.2%
39.5%	50.0	50.0	0.1	0.1%
40.7%	49.9	50.0	0.1	0.1%
42.0%	49.8	49.8	0.0	-0.1%
43.2%	49.6	49.5	0.0	-0.1%
44.4%	49.4	49.5	0.1	0.2%
45.7%	49.3	49.3	0.0	0.0%
46.9%	49.3	49.2	0.0	-0.1%
48.1%	49.2	49.2	0.0	-0.1%
49.4%	49.1	49.1	0.0	0.0%
50.6%	49.1	49.1	0.0	-0.1%
51.9%	49.1	49.0	-0.1	-0.2%
53.1%	49.0	48.9	-0.1	-0.1%
54.3%	48.9	48.9	0.0	-0.1%
55.6%	48.9	48.8	0.0	0.0%
56.8%	48.8	48.8	0.0	0.0%
58.0%	48.8	48.6	-0.2	-0.4%
59.3%	48.6	48.5	-0.1	-0.2%
60.5%	48.5	48.4	0.0	-0.1%
61.7%	48.4	48.4	-0.1	-0.1%
63.0%	48.4	48.4	-0.1	-0.1%
64.2%	48.3	48.3	0.0	0.0%
65.4%	48.3	48.3	0.0	0.0%
66.7%	48.3	48.3	0.0	0.0%
67.9%	48.2	48.2	-0.1	-0.1%
69.1%	48.2	48.1	-0.2	-0.4%
70.4%	48.0	47.9	-0.1	-0.2%
71.6%	48.0	47.9	-0.1	-0.1%
72.8%	47.9	47.8	-0.1	-0.3%
74.1%	47.9	47.6	-0.3	-0.7%
75.3%	47.6	47.5	-0.1	-0.2%
76.5%	47.5	47.5	0.0	-0.1%
77.8%	47.5	47.4	-0.1	-0.2%
79.0%	47.5	47.4	-0.1	-0.2%
80.2%	47.4	47.2	-0.1	-0.3%
81.5%	47.3	47.2	-0.1	-0.2%
82.7%	47.3	47.2	-0.1	-0.2%
84.0%	47.2	47.2	0.0	0.0%
85.2%	47.2	47.1	0.0	0.0%
86.4%	47.1	47.1	0.0	0.1%
87.7%	47.0	47.0	0.1	0.1%
88.9%	46.9	46.9	0.1	0.1%
90.1%	46.9	46.9	0.0	0.0%
91.4%	46.9	46.9	0.0	0.0%
92.6%	46.8	46.8	-0.1	-0.1%
93.8%	46.7	46.8	0.0	0.1%
95.1%	46.7	46.7	0.0	0.0%
96.3%	46.6	46.5	-0.1	-0.1%
97.5%	46.4	46.3	-0.1	-0.2%
98.8%	46.0	46.1	0.1	0.2%
100.0%	46.0	46.1	0.1	0.2%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.1	55.1	0.0	0.0%
1.2%	54.7	54.5	-0.2	-0.4%
2.5%	54.5	54.5	0.0	0.0%
3.7%	54.0	54.3	0.2	0.4%
4.9%	54.0	54.1	0.1	0.1%
6.2%	53.8	53.7	-0.1	-0.1%
7.4%	53.7	53.6	-0.1	-0.2%
8.6%	53.5	52.7	-0.7	-1.4%
9.9%	53.1	52.7	-0.4	-0.7%
11.1%	53.1	52.7	-0.4	-0.7%
12.3%	52.9	52.7	-0.2	-0.4%
13.6%	52.9	52.7	-0.2	-0.4%
14.8%	52.8	52.6	-0.2	-0.3%
16.0%	52.7	52.6	-0.1	-0.2%
17.3%	52.7	52.6	-0.1	-0.2%
18.5%	52.6	52.5	-0.1	-0.2%
19.8%	52.5	52.5	0.0	-0.1%
21.0%	52.4	52.4	0.0	0.0%
22.2%	52.2	52.4	0.2	0.4%
23.5%	52.2	52.4	0.2	0.3%
24.7%	52.2	52.4	0.2	0.4%
25.9%	52.1	52.3	0.1	0.2%
27.2%	52.0	52.2	0.2	0.3%
28.4%	52.0	52.2	0.2	0.4%
29.6%	52.0	52.2	0.2	0.4%
30.9%	51.9	52.0	0.1	0.2%
32.1%	51.9	52.0	0.1	0.2%
33.3%	51.9	51.9	0.1	0.2%
34.6%	51.6	51.9	0.3	0.5%
35.8%	51.6	51.8	0.3	0.5%
37.0%	51.5	51.8	0.3	0.6%
38.3%	51.5	51.6	0.2	0.3%
39.5%	51.5	51.6	0.2	0.3%
40.7%	51.5	51.5	0.1	0.1%
42.0%	51.3	51.5	0.2	0.4%
43.2%	51.3	51.5	0.2	0.3%
44.4%	51.2	51.5	0.2	0.4%
45.7%	51.1	51.4	0.3	0.6%
46.9%	51.1	51.4	0.3	0.6%
48.1%	51.1	51.3	0.2	0.4%
49.4%	51.1	51.3	0.2	0.4%
50.6%	51.0	51.2	0.2	0.4%
51.9%	51.0	51.2	0.2	0.3%
53.1%	51.0	51.1	0.2	0.4%
54.3%	50.9	51.1	0.2	0.3%
55.6%	50.9	51.1	0.1	0.3%
56.8%	50.8	51.0	0.2	0.4%
58.0%	50.8	51.0	0.2	0.5%
59.3%	50.8	51.0	0.2	0.5%
60.5%	50.7	50.9	0.2	0.5%
61.7%	50.7	50.8	0.2	0.4%
63.0%	50.6	50.8	0.2	0.3%
64.2%	50.6	50.8	0.1	0.3%
65.4%	50.6	50.7	0.2	0.3%
66.7%	50.6	50.7	0.1	0.2%
67.9%	50.6	50.7	0.1	0.2%
69.1%	50.5	50.6	0.1	0.1%
70.4%	50.5	50.6	0.1	0.1%
71.6%	50.5	50.5	0.0	0.0%
72.8%	50.4	50.5	0.1	0.1%
74.1%	50.4	50.4	0.1	0.1%
75.3%	50.4	50.4	0.1	0.1%
76.5%	50.1	50.3	0.2	0.3%
77.8%	50.1	50.3	0.2	0.4%
79.0%	49.7	50.1	0.5	0.9%
80.2%	49.6	50.1	0.5	1.1%
81.5%	49.6	49.7	0.1	0.2%
82.7%	49.6	49.7	0.1	0.2%
84.0%	49.5	49.6	0.1	0.2%
85.2%	49.5	49.6	0.1	0.2%
86.4%	49.4	49.6	0.1	0.3%
87.7%	49.4	49.5	0.2	0.3%
88.9%	49.3	49.4	0.2	0.3%
90.1%	49.3	49.3	0.0	0.0%
91.4%	49.1	49.3	0.2	0.4%
92.6%	49.1	49.1	0.1	0.1%
93.8%	49.1	49.1	0.0	0.0%
95.1%	49.0	49.0	0.0	0.0%
96.3%	48.7	48.8	0.1	0.2%
97.5%	48.7	48.7	0.0	0.1%
98.8%	48.2	48.2	0.0	0.0%
100.0%	48.2	48.2	0.0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.1	58.3	1.2	2.1%
1.2%	56.3	57.3	1.0	1.7%
2.5%	55.5	55.9	0.5	0.8%
3.7%	55.1	55.9	0.7	1.3%
4.9%	54.9	55.6	0.7	1.2%
6.2%	54.8	55.5	0.7	1.3%
7.4%	54.6	55.4	0.7	1.3%
8.6%	54.6	55.2	0.5	0.9%
9.9%	54.5	55.0	0.5	0.9%
11.1%	54.5	54.9	0.5	0.8%
12.3%	54.5	54.9	0.4	0.8%
13.6%	54.4	54.8	0.4	0.7%
14.8%	54.3	54.7	0.4	0.7%
16.0%	54.3	54.7	0.4	0.7%
17.3%	54.1	54.7	0.6	1.1%
18.5%	54.1	54.6	0.5	0.9%
19.8%	53.9	54.5	0.6	1.2%
21.0%	53.9	54.5	0.6	1.1%
22.2%	53.9	54.4	0.6	1.0%
23.5%	53.8	54.4	0.6	1.1%
24.7%	53.8	54.3	0.6	1.0%
25.9%	53.6	54.2	0.6	1.1%
27.2%	53.5	54.1	0.5	1.0%
28.4%	53.5	54.1	0.5	1.0%
29.6%	53.5	54.0	0.5	1.0%
30.9%	53.5	53.8	0.3	0.6%
32.1%	53.4	53.8	0.4	0.7%
33.3%	53.3	53.8	0.5	0.8%
34.6%	53.2	53.7	0.4	0.8%
35.8%	53.2	53.7	0.5	0.9%
37.0%	53.1	53.5	0.4	0.7%
38.3%	52.8	53.4	0.6	1.1%
39.5%	52.8	53.4	0.6	1.1%
40.7%	52.8	53.4	0.6	1.2%
42.0%	52.8	53.3	0.5	0.9%
43.2%	52.8	53.2	0.4	0.8%
44.4%	52.7	53.2	0.5	0.9%
45.7%	52.7	53.1	0.4	0.8%
46.9%	52.7	53.0	0.3	0.6%
48.1%	52.7	53.0	0.3	0.6%
49.4%	52.7	53.0	0.3	0.6%
50.6%	52.6	53.0	0.3	0.6%
51.9%	52.6	53.0	0.3	0.7%
53.1%	52.6	53.0	0.4	0.7%
54.3%	52.6	53.0	0.4	0.7%
55.6%	52.6	53.0	0.4	0.7%
56.8%	52.5	52.9	0.4	0.7%
58.0%	52.5	52.9	0.4	0.7%
59.3%	52.5	52.9	0.4	0.7%
60.5%	52.5	52.9	0.4	0.8%
61.7%	52.4	52.9	0.4	0.8%
63.0%	52.4	52.9	0.5	1.0%
64.2%	52.4	52.9	0.5	1.0%
65.4%	52.3	52.8	0.5	0.9%
66.7%	52.3	52.7	0.4	0.8%
67.9%	52.2	52.7	0.4	0.8%
69.1%	52.2	52.6	0.4	0.8%
70.4%	52.2	52.6	0.4	0.8%
71.6%	52.2	52.4	0.3	0.5%
72.8%	52.1	52.4	0.3	0.6%
74.1%	52.1	52.4	0.3	0.7%
75.3%	52.1	52.4	0.3	0.6%
76.5%	52.0	52.4	0.3	0.6%
77.8%	51.9	52.4	0.4	0.8%
79.0%	51.9	52.2	0.3	0.5%
80.2%	51.9	52.2	0.3	0.5%
81.5%	51.9	52.2	0.3	0.5%
82.7%	51.8	52.1	0.3	0.5%
84.0%	51.8	52.1	0.3	0.6%
85.2%	51.8	52.1	0.3	0.6%
86.4%	51.8	52.0	0.2	0.5%
87.7%	51.8	52.0	0.3	0.5%
88.9%	51.7	51.9	0.3	0.5%
90.1%	51.6	51.9	0.3	0.5%
91.4%	51.5	51.9	0.3	0.7%
92.6%	51.4	51.6	0.2	0.4%
93.8%	51.4	51.6	0.2	0.4%
95.1%	51.4	51.6	0.3	0.5%
96.3%	51.3	51.3	0.0	0.0%
97.5%	51.2	50.9	-0.2	-0.5%
98.8%	50.2	50.8	0.6	1.1%
100.0%	50.2	50.8	0.6	1.1%

Table SQ4-1b

Sacramento River at Balls Ferry, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.1	57.2	0.1	0.2%
1.2%	56.3	56.3	0.0	0.0%
2.5%	56.3	56.2	0.0	-0.1%
3.7%	56.2	55.8	-0.4	-0.7%
4.9%	55.6	55.2	-0.3	-0.6%
6.2%	55.4	55.2	-0.1	-0.2%
7.4%	55.3	55.1	-0.2	-0.4%
8.6%	55.3	55.1	-0.2	-0.3%
9.9%	55.1	54.9	-0.2	-0.3%
11.1%	54.9	54.8	-0.1	-0.1%
12.3%	54.9	54.8	-0.1	-0.2%
13.6%	54.9	54.7	-0.1	-0.2%
14.8%	54.8	54.6	-0.2	-0.4%
16.0%	54.6	54.6	0.0	0.0%
17.3%	54.6	54.5	-0.1	-0.1%
18.5%	54.6	54.5	-0.1	-0.1%
19.8%	54.5	54.4	-0.1	-0.2%
21.0%	54.5	54.4	-0.1	-0.2%
22.2%	54.3	54.4	0.1	0.2%
23.5%	54.3	54.4	0.0	0.1%
24.7%	54.3	54.3	0.0	0.0%
25.9%	54.3	54.2	-0.1	-0.1%
27.2%	54.2	54.2	0.1	0.1%
28.4%	54.1	54.2	0.0	0.0%
29.6%	54.1	54.1	0.0	0.1%
30.9%	54.1	54.1	0.0	-0.1%
32.1%	53.9	54.0	0.1	0.3%
33.3%	53.6	54.0	0.4	0.7%
34.6%	53.6	54.0	0.4	0.8%
35.8%	53.5	53.9	0.4	0.7%
37.0%	53.5	53.9	0.4	0.8%
38.3%	53.4	53.9	0.5	0.8%
39.5%	53.4	53.8	0.4	0.7%
40.7%	53.4	53.8	0.4	0.7%
42.0%	53.3	53.7	0.4	0.7%
43.2%	53.3	53.7	0.3	0.7%
44.4%	53.3	53.7	0.4	0.7%
45.7%	53.3	53.7	0.4	0.7%
46.9%	53.3	53.6	0.3	0.6%
48.1%	53.3	53.6	0.3	0.6%
49.4%	53.2	53.6	0.3	0.6%
50.6%	53.2	53.5	0.4	0.7%
51.9%	53.1	53.5	0.3	0.7%
53.1%	53.1	53.5	0.4	0.7%
54.3%	53.1	53.5	0.4	0.8%
55.6%	53.1	53.4	0.3	0.7%
56.8%	53.1	53.4	0.3	0.7%
58.0%	53.0	53.3	0.3	0.6%
59.3%	53.0	53.3	0.4	0.7%
60.5%	52.9	53.3	0.4	0.7%
61.7%	52.9	53.3	0.4	0.8%
63.0%	52.8	53.3	0.5	1.0%
64.2%	52.8	53.3	0.5	1.0%
65.4%	52.7	53.3	0.6	1.1%
66.7%	52.7	53.3	0.6	1.1%
67.9%	52.7	53.2	0.6	1.1%
69.1%	52.7	53.2	0.6	1.1%
70.4%	52.6	53.2	0.5	1.0%
71.6%	52.6	53.2	0.6	1.1%
72.8%	52.5	53.2	0.6	1.2%
74.1%	52.5	53.2	0.7	1.3%
75.3%	52.5	53.1	0.7	1.3%
76.5%	52.5	53.0	0.6	1.1%
77.8%	52.3	52.9	0.6	1.2%
79.0%	52.3	52.9	0.6	1.1%
80.2%	52.2	52.8	0.6	1.1%
81.5%	52.2	52.8	0.6	1.1%
82.7%	52.2	52.6	0.4	0.8%
84.0%	52.2	52.6	0.4	0.8%
85.2%	52.0	52.6	0.5	1.0%
86.4%	52.0	52.5	0.6	1.1%
87.7%	51.9	52.5	0.5	1.0%
88.9%	51.9	52.4	0.5	1.0%
90.1%	51.8	52.4	0.6	1.2%
91.4%	51.7	52.4	0.7	1.3%
92.6%	51.7	52.3	0.6	1.2%
93.8%	51.7	52.3	0.6	1.2%
95.1%	51.6	52.2	0.6	1.1%
96.3%	51.6	52.1	0.5	1.0%
97.5%	51.5	52.0	0.5	1.0%
98.8%	51.5	51.9	0.4	0.8%
100.0%	51.5	51.9	0.4	0.8%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.6	57.5	-1.1	-1.9%
1.2%	57.4	57.4	0.0	0.0%
2.5%	57.3	57.1	-0.3	-0.4%
3.7%	57.2	57.0	-0.3	-0.5%
4.9%	57.0	56.9	-0.1	-0.2%
6.2%	56.9	56.9	0.0	0.0%
7.4%	56.8	56.8	0.0	0.0%
8.6%	56.7	56.7	0.0	-0.1%
9.9%	56.6	56.6	0.1	0.1%
11.1%	56.4	56.5	0.1	0.2%
12.3%	56.4	56.4	0.1	0.1%
13.6%	56.4	56.2	-0.1	-0.2%
14.8%	56.2	56.1	-0.1	-0.2%
16.0%	56.2	56.0	-0.1	-0.2%
17.3%	56.1	56.0	-0.1	-0.2%
18.5%	56.0	56.0	0.0	0.1%
19.8%	55.9	56.0	0.1	0.2%
21.0%	55.8	56.0	0.2	0.4%
22.2%	55.7	56.0	0.3	0.6%
23.5%	55.6	55.7	0.1	0.2%
24.7%	55.4	55.6	0.2	0.4%
25.9%	55.4	55.6	0.2	0.3%
27.2%	55.4	55.6	0.2	0.4%
28.4%	55.3	55.6	0.3	0.5%
29.6%	55.2	55.4	0.1	0.2%
30.9%	55.2	55.3	0.1	0.2%
32.1%	55.1	55.3	0.2	0.3%
33.3%	55.0	55.2	0.2	0.4%
34.6%	54.8	55.0	0.2	0.3%
35.8%	54.8	55.0	0.2	0.3%
37.0%	54.8	55.0	0.2	0.3%
38.3%	54.5	55.0	0.4	0.8%
39.5%	54.5	55.0	0.4	0.8%
40.7%	54.5	54.9	0.4	0.8%
42.0%	54.4	54.9	0.5	0.9%
43.2%	54.4	54.8	0.4	0.7%
44.4%	54.4	54.8	0.4	0.7%
45.7%	54.4	54.8	0.4	0.7%
46.9%	54.3	54.7	0.4	0.7%
48.1%	54.3	54.7	0.4	0.7%
49.4%	54.3	54.6	0.4	0.7%
50.6%	54.2	54.6	0.4	0.7%
51.9%	54.2	54.5	0.3	0.6%
53.1%	54.2	54.4	0.2	0.4%
54.3%	54.2	54.4	0.2	0.4%
55.6%	54.1	54.4	0.3	0.5%
56.8%	54.1	54.4	0.3	0.5%
58.0%	54.1	54.3	0.3	0.5%
59.3%	54.0	54.3	0.3	0.5%
60.5%	53.9	54.3	0.4	0.7%
61.7%	53.9	54.2	0.3	0.6%
63.0%	53.9	54.1	0.2	0.4%
64.2%	53.8	54.1	0.3	0.5%
65.4%	53.8	54.1	0.3	0.6%
66.7%	53.8	54.1	0.3	0.5%
67.9%	53.7	53.8	0.1	0.2%
69.1%	53.7	53.8	0.1	0.2%
70.4%	53.7	53.8	0.1	0.2%
71.6%	53.6	53.8	0.2	0.4%
72.8%	53.6	53.8	0.2	0.4%
74.1%	53.6	53.8	0.2	0.4%
75.3%	53.5	53.7	0.2	0.3%
76.5%	53.4	53.7	0.3	0.5%
77.8%	53.4	53.6	0.3	0.5%
79.0%	53.4	53.6	0.2	0.4%
80.2%	53.3	53.6	0.2	0.4%
81.5%	53.3	53.5	0.2	0.5%
82.7%	53.2	53.5	0.3	0.5%
84.0%	53.2	53.5	0.3	0.5%
85.2%	53.0	53.4	0.4	0.7%
86.4%	53.0	53.4	0.4	0.7%
87.7%	53.0	53.4	0.4	0.7%
88.9%	53.0	53.3	0.3	0.6%
90.1%	52.9	53.1	0.2	0.3%
91.4%	52.8	53.0	0.2	0.4%
92.6%	52.7	53.0	0.2	0.4%
93.8%	52.6	52.8	0.2	0.4%
95.1%	52.6	52.7	0.1	0.2%
96.3%	52.6	52.7	0.1	0.1%
97.5%	52.5	52.6	0.2	0.3%
98.8%	52.2	52.4	0.2	0.3%
100.0%	52.2	52.4	0.2	0.3%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.1	61.5	-4.6	-7.0%
1.2%	59.0	57.5	-1.5	-2.5%
2.5%	58.6	57.4	-1.2	-2.0%
3.7%	58.4	57.1	-1.2	-2.1%
4.9%	58.2	57.0	-1.1	-1.9%
6.2%	57.9	57.0	-0.9	-1.6%
7.4%	57.6	57.0	-0.6	-1.0%
8.6%	57.3	56.9	-0.3	-0.6%
9.9%	57.2	56.9	-0.3	-0.5%
11.1%	57.1	56.8	-0.3	-0.5%
12.3%	57.1	56.8	-0.3	-0.6%
13.6%	57.1	56.7	-0.4	-0.6%
14.8%	57.1	56.6	-0.4	-0.7%
16.0%	56.9	56.6	-0.3	-0.6%
17.3%	56.9	56.5	-0.4	-0.6%
18.5%	56.8	56.5	-0.3	-0.5%
19.8%	56.8	56.5	-0.3	-0.5%
21.0%	56.8	56.5	-0.3	-0.5%
22.2%	56.7	56.5	-0.2	-0.4%
23.5%	56.7	56.4	-0.3	-0.4%
24.7%	56.7	56.4	-0.3	-0.5%
25.9%	56.6	56.4	-0.3	-0.5%
27.2%	56.5	56.3	-0.3	-0.4%
28.4%	56.4	56.3	-0.1	-0.2%
29.6%	56.4	56.3	-0.1	-0.2%
30.9%	56.3	56.2	-0.1	-0.2%
32.1%	56.3	56.2	-0.1	-0.2%
33.3%	56.3	56.2	-0.1	-0.2%
34.6%	56.3	56.2	-0.1	-0.2%
35.8%	56.3	56.1	-0.1	-0.2%
37.0%	56.3	56.1	-0.1	-0.3%
38.3%	56.2	56.1	-0.1	-0.2%
39.5%	56.0	56.0	0.0	0.0%
40.7%	56.0	56.0	0.0	0.0%
42.0%	55.9	55.9	0.0	0.1%
43.2%	55.9	55.9	0.0	0.0%
44.4%	55.9	55.8	-0.1	-0.1%
45.7%	55.9	55.8	-0.1	-0.2%
46.9%	55.8	55.8	-0.1	-0.2%
48.1%	55.7	55.7	-0.1	-0.1%
49.4%	55.7	55.6	-0.1	-0.1%
50.6%	55.6	55.6	-0.1	-0.1%
51.9%	55.6	55.5	-0.1	-0.1%
53.1%	55.5	55.5	0.0	-0.1%
54.3%	55.5	55.5	0.0	-0.1%
55.6%	55.5	55.5	0.0	0.0%
56.8%	55.5	55.5	0.0	0.0%
58.0%	55.5	55.4	-0.1	-0.1%
59.3%	55.4	55.3	-0.2	-0.3%
60.5%	55.4	55.3	-0.1	-0.2%
61.7%	55.3	55.3	-0.1	-0.1%
63.0%	55.3	55.2	-0.1	-0.1%
64.2%	55.3	55.2	-0.1	-0.2%
65.4%	55.3	55.1	-0.2	-0.3%
66.7%	55.3	55.0	-0.2	-0.4%
67.9%	55.2	55.0	-0.2	-0.3%
69.1%	55.2	54.9	-0.3	-0.5%
70.4%	55.1	54.9	-0.2	-0.4%
71.6%	55.1	54.9	-0.2	-0.4%
72.8%	55.0	54.9	-0.1	-0.2%
74.1%	55.0	54.8	-0.1	-0.3%
75.3%	54.9	54.8	-0.1	-0.1%
76.5%	54.8	54.8	0.0	-0.1%
77.8%	54.8	54.7	-0.1	-0.2%
79.0%	54.8	54.5	-0.3	-0.5%
80.2%	54.8	54.5	-0.3	-0.5%
81.5%	54.8	54.3	-0.4	-0.8%
82.7%	54.7	54.3	-0.4	-0.7%
84.0%	54.7	54.3	-0.4	-0.7%
85.2%	54.6	54.2	-0.4	-0.7%
86.4%	54.6	54.2	-0.3	-0.6%
87.7%	54.5	54.2	-0.3	-0.6%
88.9%	54.5	54.1	-0.4	-0.7%
90.1%	54.5	54.1	-0.4	-0.7%
91.4%	54.4	54.1	-0.4	-0.7%
92.6%	54.4	54.1	-0.3	-0.6%
93.8%	54.1	54.0	-0.1	-0.2%
95.1%	53.4	53.8	0.4	0.7%
96.3%	53.4	53.6	0.2	0.4%
97.5%	53.1	53.5	0.3	0.6%
98.8%	53.0	53.4	0.3	0.6%
100.0%	53.0	53.4	0.3	0.6%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.5	66.8	0.4	0.6%
1.2%	64.5	60.5	-4.0	-6.3%
2.5%	63.1	60.0	-3.1	-4.9%
3.7%	59.8	58.2	-1.6	-2.6%
4.9%	59.1	58.2	-0.9	-1.5%
6.2%	58.8	58.0	-0.8	-1.4%
7.4%	58.7	57.9	-0.8	-1.4%
8.6%	58.0	57.6	-0.4	-0.7%
9.9%	57.9	57.5	-0.4	-0.6%
11.1%	57.8	57.1	-0.7	-1.2%
12.3%	57.7	57.1	-0.6	-1.1%
13.6%	57.7	57.1	-0.6	-1.1%
14.8%	57.6	57.1	-0.5	-0.9%
16.0%	57.6	56.7	-0.9	-1.5%
17.3%	57.6	56.7	-0.9	-1.5%
18.5%	57.3	56.6	-0.6	-1.1%
19.8%	57.2	56.6	-0.6	-1.1%
21.0%	57.1	56.6	-0.5	-0.9%
22.2%	57.1	56.5	-0.5	-1.0%
23.5%	56.9	56.5	-0.4	-0.7%
24.7%	56.9	56.5	-0.4	-0.7%
25.9%	56.9	56.4	-0.4	-0.8%
27.2%	56.6	56.4	-0.1	-0.3%
28.4%	56.5	56.4	-0.1	-0.2%
29.6%	56.5	56.3	-0.2	-0.4%
30.9%	56.5	56.2	-0.3	-0.5%
32.1%	56.4	56.2	-0.2	-0.4%
33.3%	56.3	56.2	-0.2	-0.3%
34.6%	56.0	56.2	0.2	0.3%
35.8%	56.0	56.1	0.1	0.2%
37.0%	55.8	55.9	0.1	0.2%
38.3%	55.7	55.9	0.2	0.4%
39.5%	55.6	55.9	0.3	0.5%
40.7%	55.6	55.6	0.1	0.2%
42.0%	55.4	55.6	0.2	0.3%
43.2%	55.3	55.5	0.2	0.3%
44.4%	55.2	55.2	0.0	0.0%
45.7%	55.2	55.2	0.0	0.0%
46.9%	55.1	55.1	0.0	0.1%
48.1%	55.1	55.1	0.0	0.0%
49.4%	55.0	55.0	-0.1	-0.1%
50.6%	55.0	55.0	0.0	-0.1%
51.9%	54.8	54.9	0.2	0.3%
53.1%	54.6	54.9	0.3	0.6%
54.3%	54.5	54.8	0.3	0.5%
55.6%	54.4	54.7	0.3	0.6%
56.8%	54.2	54.7	0.5	0.9%
58.0%	54.1	54.6	0.5	1.0%
59.3%	54.1	54.6	0.5	1.0%
60.5%	54.0	54.6	0.6	1.0%
61.7%	53.9	54.5	0.5	1.0%
63.0%	53.9	54.5	0.6	1.1%
64.2%	53.9	54.5	0.6	1.1%
65.4%	53.8	54.4	0.6	1.1%
66.7%	53.8	54.4	0.6	1.1%
67.9%	53.7	54.3	0.6	1.2%
69.1%	53.7	54.3	0.6	1.2%
70.4%	53.7	54.3	0.6	1.2%
71.6%	53.6	54.3	0.6	1.2%
72.8%	53.6	54.2	0.6	1.1%
74.1%	53.4	54.1	0.7	1.4%
75.3%	53.3	54.0	0.7	1.3%
76.5%	53.3	53.6	0.3	0.5%
77.8%	53.3	53.5	0.2	0.4%
79.0%	53.3	53.5	0.2	0.4%
80.2%	52.9	53.5	0.6	1.2%
81.5%	52.7	53.4	0.7	1.3%
82.7%	52.7	53.4	0.7	1.4%
84.0%	52.6	53.4	0.8	1.5%
85.2%	52.6	53.4	0.7	1.4%
86.4%	52.6	53.1	0.4	0.8%
87.7%	52.6	52.8	0.2	0.4%
88.9%	52.6	52.6	0.0	0.1%
90.1%	52.5	52.6	0.0	0.1%
91.4%	52.5	52.2	-0.3	-0.6%
92.6%	52.2	51.9	-0.3	-0.6%
93.8%	51.9	51.9	0.0	0.0%
95.1%	51.7	51.9	0.1	0.2%
96.3%	51.6	51.8	0.2	0.4%
97.5%	51.3	51.5	0.3	0.6%
98.8%	51.2	51.4	0.1	0.3%
100.0%	51.2	51.4	0.1	0.3%

Table SQ4-1b

Sacramento River at Balls Ferry, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.7	60.2	-1.5	-2.4%
1.2%	58.4	57.2	-1.1	-1.9%
2.5%	58.1	57.1	-1.0	-1.8%
3.7%	57.5	56.9	-0.6	-1.1%
4.9%	56.9	56.8	-0.1	-0.3%
6.2%	56.8	56.7	-0.2	-0.3%
7.4%	56.8	56.6	-0.2	-0.4%
8.6%	56.7	56.6	-0.1	-0.2%
9.9%	56.6	56.4	-0.2	-0.3%
11.1%	56.6	56.4	-0.2	-0.4%
12.3%	56.5	56.4	-0.1	-0.2%
13.6%	56.4	56.2	-0.2	-0.3%
14.8%	56.3	56.2	-0.1	-0.1%
16.0%	56.3	56.1	-0.2	-0.3%
17.3%	56.2	55.9	-0.2	-0.4%
18.5%	56.1	55.9	-0.2	-0.4%
19.8%	56.1	55.8	-0.3	-0.5%
21.0%	56.1	55.7	-0.4	-0.7%
22.2%	55.8	55.7	-0.1	-0.2%
23.5%	55.8	55.6	-0.1	-0.2%
24.7%	55.7	55.6	0.0	0.0%
25.9%	55.6	55.5	-0.1	-0.2%
27.2%	55.6	55.5	-0.1	-0.2%
28.4%	55.6	55.4	-0.1	-0.2%
29.6%	55.6	55.4	-0.1	-0.2%
30.9%	55.5	55.4	-0.1	-0.3%
32.1%	55.5	55.4	-0.2	-0.3%
33.3%	55.3	55.3	0.0	0.0%
34.6%	55.2	55.2	0.0	-0.1%
35.8%	55.0	55.1	0.1	0.2%
37.0%	55.0	55.1	0.1	0.1%
38.3%	55.0	55.0	0.0	0.0%
39.5%	54.9	55.0	0.1	0.2%
40.7%	54.9	54.9	0.1	0.2%
42.0%	54.7	54.9	0.2	0.3%
43.2%	54.6	54.9	0.3	0.5%
44.4%	54.6	54.8	0.2	0.4%
45.7%	54.5	54.8	0.3	0.6%
46.9%	54.5	54.8	0.3	0.5%
48.1%	54.5	54.7	0.2	0.4%
49.4%	54.5	54.7	0.2	0.3%
50.6%	54.4	54.6	0.2	0.4%
51.9%	54.4	54.6	0.3	0.5%
53.1%	54.4	54.6	0.2	0.4%
54.3%	54.3	54.5	0.3	0.5%
55.6%	54.3	54.4	0.1	0.3%
56.8%	54.2	54.4	0.2	0.4%
58.0%	54.2	54.4	0.2	0.4%
59.3%	54.2	54.3	0.2	0.3%
60.5%	54.1	54.3	0.2	0.3%
61.7%	54.0	54.3	0.3	0.5%
63.0%	54.0	54.3	0.3	0.5%
64.2%	53.9	54.2	0.3	0.5%
65.4%	53.9	54.2	0.3	0.5%
66.7%	53.9	54.1	0.2	0.4%
67.9%	53.9	54.1	0.2	0.4%
69.1%	53.8	54.1	0.2	0.5%
70.4%	53.8	54.1	0.3	0.5%
71.6%	53.8	54.0	0.3	0.5%
72.8%	53.7	54.0	0.3	0.6%
74.1%	53.7	54.0	0.3	0.6%
75.3%	53.7	54.0	0.3	0.6%
76.5%	53.7	53.9	0.2	0.4%
77.8%	53.7	53.9	0.2	0.4%
79.0%	53.6	53.8	0.2	0.4%
80.2%	53.6	53.7	0.2	0.3%
81.5%	53.6	53.7	0.2	0.3%
82.7%	53.4	53.7	0.3	0.5%
84.0%	53.4	53.7	0.3	0.5%
85.2%	53.3	53.6	0.2	0.4%
86.4%	53.3	53.6	0.3	0.5%
87.7%	53.2	53.5	0.3	0.6%
88.9%	53.1	53.4	0.3	0.5%
90.1%	53.1	53.4	0.3	0.5%
91.4%	53.1	53.3	0.2	0.3%
92.6%	53.0	53.2	0.2	0.4%
93.8%	52.8	52.9	0.2	0.3%
95.1%	52.7	52.8	0.1	0.2%
96.3%	52.6	52.8	0.1	0.2%
97.5%	52.6	52.7	0.1	0.2%
98.8%	52.6	52.7	0.1	0.3%
100.0%	52.3	52.1	-0.2	-0.3%

July to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	63.7	61.9	-1.8	-2.8%
1.2%	59.8	58.1	-1.7	-2.9%
2.5%	59.3	57.8	-1.4	-2.4%
3.7%	58.2	57.3	-0.9	-1.6%
4.9%	57.7	57.3	-0.4	-0.7%
6.2%	57.6	57.2	-0.5	-0.8%
7.4%	57.6	57.1	-0.6	-1.0%
8.6%	57.3	57.0	-0.3	-0.5%
9.9%	57.0	57.0	0.0	-0.1%
11.1%	57.0	57.0	0.0	-0.1%
12.3%	57.0	56.9	-0.1	-0.2%
13.6%	56.9	56.8	-0.1	-0.2%
14.8%	56.9	56.7	-0.1	-0.2%
16.0%	56.8	56.6	-0.2	-0.3%
17.3%	56.7	56.5	-0.2	-0.4%
18.5%	56.7	56.4	-0.3	-0.5%
19.8%	56.6	56.3	-0.4	-0.7%
21.0%	56.5	56.2	-0.3	-0.5%
22.2%	56.5	56.2	-0.3	-0.5%
23.5%	56.4	56.2	-0.2	-0.3%
24.7%	56.3	56.1	-0.2	-0.3%
25.9%	56.3	56.1	-0.2	-0.4%
27.2%	56.3	56.1	-0.2	-0.4%
28.4%	56.1	55.9	-0.2	-0.4%
29.6%	56.1	55.9	-0.2	-0.4%
30.9%	56.0	55.8	-0.3	-0.5%
32.1%	56.0	55.8	-0.3	-0.4%
33.3%	55.8	55.7	-0.2	-0.3%
34.6%	55.7	55.7	0.0	0.0%
35.8%	55.6	55.6	0.1	0.1%
37.0%	55.5	55.5	0.0	0.0%
38.3%	55.3	55.4	0.2	0.3%
39.5%	55.2	55.3	0.1	0.2%
40.7%	55.2	55.3	0.1	0.2%
42.0%	55.1	55.2	0.2	0.3%
43.2%	55.0	55.1	0.1	0.2%
44.4%	55.0	55.1	0.1	0.2%
45.7%	54.9	55.1	0.2	0.3%
46.9%	54.9	55.0	0.2	0.3%
48.1%	54.9	55.0	0.1	0.2%
49.4%	54.8	54.9	0.1	0.2%
50.6%	54.8	54.9	0.1	0.2%
51.9%	54.7	54.9	0.2	0.4%
53.1%	54.6	54.9	0.2	0.4%
54.3%	54.6	54.9	0.3	0.6%
55.6%	54.5	54.8	0.3	0.5%
56.8%	54.5	54.8	0.3	0.5%
58.0%	54.5	54.7	0.2	0.4%
59.3%	54.5	54.6	0.2	0.3%
60.5%	54.5	54.6	0.2	0.3%
61.7%	54.5	54.6	0.1	0.2%
63.0%	54.4	54.5	0.1	0.2%
64.2%	54.4	54.5	0.1	0.3%
65.4%	54.3	54.5	0.2	0.4%
66.7%	54.3	54.5	0.2	0.4%
67.9%	54.3	54.5	0.2	0.5%
69.1%	54.2	54.4	0.2	0.3%
70.4%	54.2	54.4	0.2	0.3%
71.6%	54.2	54.4	0.2	0.4%
72.8%	54.2	54.3	0.1	0.3%
74.1%	54.2	54.3	0.1	0.2%
75.3%	54.1	54.3	0.2	0.3%
76.5%	54.0	54.2	0.2	0.3%
77.8%	54.0	54.1	0.2	0.3%
79.0%	53.9	54.1	0.2	0.3%
80.2%	53.9	54.1	0.2	0.3%
81.5%	53.9	54.0	0.2	0.3%
82.7%	53.8	54.0	0.2	0.4%
84.0%	53.7	53.9	0.2	0.4%
85.2%	53.6	53.9	0.2	0.4%
86.4%	53.6	53.8	0.2	0.5%
87.7%	53.4	53.6	0.2	0.4%
88.9%	53.3	53.5	0.2	0.3%
90.1%	53.3	53.4	0.2	0.3%
91.4%	53.2	53.3	0.1	0.1%
92.6%	53.2	53.2	0.1	0.1%
93.8%	53.1	53.1	0.0	0.0%
95.1%	53.1	53.1	0.0	-0.1%
96.3%	53.0	53.0	0.1	0.2%
97.5%	52.9	52.9	0.0	-0.1%
98.8%	52.9	52.8	-0.1	-0.3%
100.0%	52.4	52.1	-0.3	-0.6%

August to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.3	64.2	-2.1	-3.2%
1.2%	61.7	58.7	-3.0	-4.9%
2.5%	60.5	58.5	-2.0	-3.2%
3.7%	59.2	57.7	-1.5	-2.5%
4.9%	58.5	57.7	-0.8	-1.3%
6.2%	58.3	57.6	-0.7	-1.3%
7.4%	58.2	57.5	-0.7	-1.2%
8.6%	57.5	57.1	-0.4	-0.7%
9.9%	57.5	57.1	-0.4	-0.8%
11.1%	57.4	57.0	-0.3	-0.6%
12.3%	57.3	57.0	-0.3	-0.6%
13.6%	57.2	56.9	-0.3	-0.6%
14.8%	57.1	56.7	-0.4	-0.7%
16.0%	57.1	56.7	-0.5	-0.8%
17.3%	57.1	56.6	-0.5	-0.8%
18.5%	57.0	56.5	-0.5	-0.8%
19.8%	57.0	56.5	-0.5	-0.8%
21.0%	56.9	56.5	-0.4	-0.7%
22.2%	56.8	56.4	-0.4	-0.7%
23.5%	56.8	56.4	-0.4	-0.7%
24.7%	56.7	56.4	-0.3	-0.6%
25.9%	56.6	56.3	-0.3	-0.5%
27.2%	56.6	56.3	-0.3	-0.5%
28.4%	56.6	56.3	-0.3	-0.5%
29.6%	56.6	56.3	-0.3	-0.4%
30.9%	56.4	56.3	-0.1	-0.2%
32.1%	56.3	56.3	-0.1	-0.1%
33.3%	56.3	56.1	-0.2	-0.3%
34.6%	56.0	56.1	0.1	0.2%
35.8%	55.9	55.9	0.0	0.0%
37.0%	55.7	55.8	0.1	0.2%
38.3%	55.7	55.7	0.0	0.0%
39.5%	55.6	55.7	0.0	0.1%
40.7%	55.6	55.7	0.1	0.1%
42.0%	55.6	55.6	0.0	0.0%
43.2%	55.4	55.4	-0.1	-0.1%
44.4%	55.4	55.4	-0.1	-0.1%
45.7%	55.4	55.3	-0.1	-0.2%
46.9%	55.2	55.3	0.0	0.0%
48.1%	55.2	55.3	0.1	0.2%
49.4%	55.2	55.2	0.1	0.1%
50.6%	55.1	55.1	0.1	0.1%
51.9%	55.1	55.1	0.1	0.1%
53.1%	55.0	55.1	0.0	0.1%
54.3%	55.0	55.0	0.0	0.0%
55.6%	55.0	55.0	0.0	0.0%
56.8%	54.9	55.0	0.1	0.1%
58.0%	54.9	54.9	0.1	0.1%
59.3%	54.8	54.9	0.1	0.2%
60.5%	54.7	54.9	0.2	0.3%
61.7%	54.7	54.9	0.2	0.4%
63.0%	54.7	54.9	0.2	0.3%
64.2%	54.6	54.7	0.1	0.2%
65.4%	54.6	54.7	0.1	0.2%
66.7%	54.6	54.7	0.1	0.2%
67.9%	54.5	54.6	0.2	0.3%
69.1%	54.4	54.6	0.1	0.3%
70.4%	54.4	54.5	0.2	0.3%
71.6%	54.4	54.5	0.2	0.3%
72.8%	54.3	54.5	0.2	0.3%
74.1%	54.3	54.5	0.2	0.4%
75.3%	54.2	54.5	0.2	0.4%
76.5%	54.2	54.5	0.3	0.5%
77.8%	54.2	54.4	0.2	0.4%
79.0%	54.1	54.3	0.2	0.5%
80.2%	54.1	54.3	0.3	0.5%
81.5%	54.0	54.2	0.3	0.5%
82.7%	53.9	54.2	0.3	0.5%
84.0%	53.9	54.2	0.3	0.6%
85.2%	53.7	54.1	0.4	0.8%
86.4%	53.7	53.6	0.0	-0.1%
87.7%	53.6	53.6	-0.1	-0.1%
88.9%	53.6	53.5	-0.1	-0.1%
90.1%	53.5	53.4	-0.1	-0.2%
91.4%	53.3	53.4	0.1	0.1%
92.6%	53.3	53.4	0.1	0.2%
93.8%	53.0	53.0	0.0	-0.1%
95.1%	53.0	52.9	-0.1	-0.2%
96.3%	53.0	52.8	-0.2	-0.3%
97.5%	52.9	52.7	-0.2	-0.3%
98.8%	52.6	52.7	0.1	0.3%
100.0%	52.1	51.6	-0.4	-0.8%

Figure SQ5-1b
Sacramento River at Jellys Ferry, Monthly Temperature
Probability of Exceedance

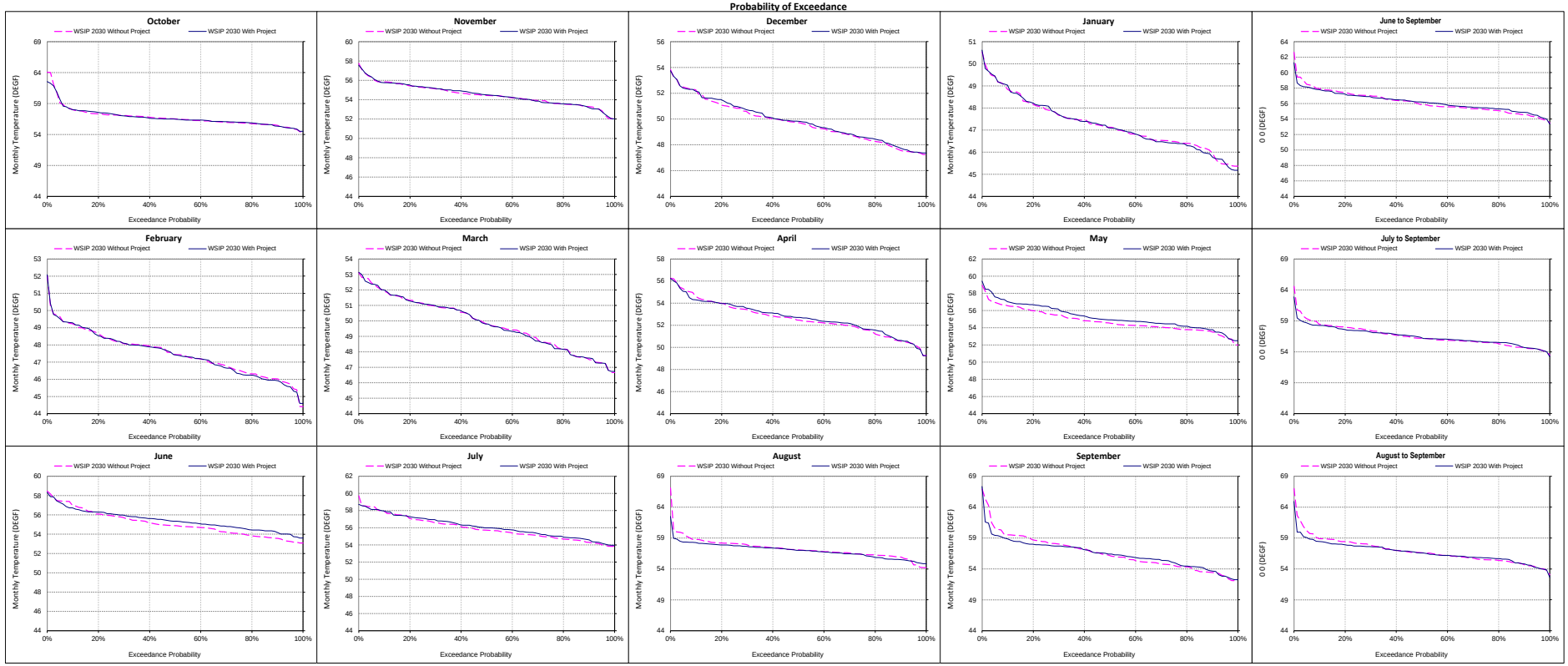


Table SQ5-1b

Sacramento River at Jellys Ferry, Monthly Temperature

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	64.1	62.5	-1.5	-2.4%
1.2%	64.0	62.3	-1.7	-2.7%
2.5%	62.1	61.9	-0.2	-0.3%
3.7%	60.8	60.9	0.1	0.1%
4.9%	59.1	59.6	0.5	0.9%
6.2%	58.8	58.6	-0.3	-0.4%
7.4%	58.3	58.5	0.1	0.2%
8.6%	58.2	58.2	0.0	-0.1%
9.9%	58.0	58.0	0.0	0.0%
11.1%	57.9	58.0	0.1	0.2%
12.3%	57.8	57.8	0.0	0.0%
13.6%	57.8	57.8	0.0	0.1%
14.8%	57.6	57.8	0.2	0.3%
16.0%	57.5	57.8	0.2	0.4%
17.3%	57.4	57.7	0.3	0.5%
18.5%	57.4	57.7	0.3	0.5%
19.8%	57.3	57.6	0.3	0.4%
21.0%	57.3	57.5	0.2	0.3%
22.2%	57.2	57.5	0.3	0.5%
23.5%	57.2	57.4	0.3	0.4%
24.7%	57.2	57.4	0.2	0.4%
25.9%	57.2	57.3	0.1	0.2%
27.2%	57.1	57.2	0.0	0.1%
28.4%	57.1	57.1	-0.1	-0.1%
29.6%	57.1	57.0	-0.1	-0.1%
30.9%	57.1	57.0	-0.1	-0.1%
32.1%	57.0	56.9	-0.1	-0.2%
33.3%	57.0	56.9	-0.1	-0.1%
34.6%	57.0	56.9	-0.1	-0.2%
35.8%	56.9	56.8	-0.1	-0.2%
37.0%	56.9	56.8	-0.1	-0.2%
38.3%	56.9	56.8	-0.1	-0.3%
39.5%	56.8	56.7	-0.1	-0.2%
40.7%	56.7	56.6	-0.2	-0.3%
42.0%	56.7	56.6	-0.1	-0.2%
43.2%	56.7	56.5	-0.1	-0.2%
44.4%	56.6	56.5	-0.1	-0.2%
45.7%	56.6	56.5	-0.1	-0.2%
46.9%	56.6	56.5	-0.1	-0.2%
48.1%	56.5	56.5	0.0	-0.1%
49.4%	56.5	56.5	0.0	-0.1%
50.6%	56.5	56.5	0.0	-0.1%
51.9%	56.5	56.4	-0.1	-0.1%
53.1%	56.4	56.4	-0.1	-0.1%
54.3%	56.4	56.3	-0.1	-0.1%
55.6%	56.4	56.3	-0.1	-0.1%
56.8%	56.3	56.3	0.1	0.1%
58.0%	56.3	56.3	0.1	0.1%
59.3%	56.3	56.3	0.1	0.1%
60.5%	56.2	56.3	0.1	0.2%
61.7%	56.2	56.3	0.1	0.2%
63.0%	56.2	56.3	0.1	0.1%
64.2%	56.2	56.1	0.0	-0.1%
65.4%	56.1	56.1	0.0	0.0%
66.7%	56.1	56.1	0.1	0.1%
67.9%	56.0	56.1	0.1	0.2%
69.1%	56.0	56.1	0.1	0.1%
70.4%	55.9	56.1	0.1	0.3%
71.6%	55.9	56.0	0.1	0.2%
72.8%	55.9	56.0	0.1	0.1%
74.1%	55.9	56.0	0.1	0.2%
75.3%	55.9	56.0	0.1	0.2%
76.5%	55.8	56.0	0.1	0.2%
77.8%	55.8	55.9	0.1	0.2%
79.0%	55.8	55.9	0.1	0.2%
80.2%	55.8	55.9	0.1	0.2%
81.5%	55.7	55.8	0.1	0.2%
82.7%	55.7	55.7	0.1	0.1%
84.0%	55.6	55.7	0.0	0.1%
85.2%	55.6	55.7	0.0	0.0%
86.4%	55.6	55.6	0.0	0.0%
87.7%	55.6	55.6	0.0	0.0%
88.9%	55.5	55.4	-0.1	-0.3%
90.1%	55.5	55.3	-0.1	-0.3%
91.4%	55.2	55.3	0.1	0.1%
92.6%	55.2	55.2	0.0	-0.1%
93.8%	55.2	55.1	-0.1	-0.2%
95.1%	55.1	55.0	0.0	-0.1%
96.3%	54.9	55.0	0.1	0.1%
97.5%	54.8	54.9	0.0	0.1%
98.8%	54.4	54.5	0.1	0.2%
100.0%	54.4	54.5	0.0	0.2%

November				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.8	57.6	-0.2	-0.3%
1.2%	57.1	57.2	0.1	0.1%
2.5%	56.7	56.8	0.0	0.0%
3.7%	56.5	56.5	0.1	0.1%
4.9%	56.3	56.4	0.0	0.0%
6.2%	56.0	56.1	0.1	0.1%
7.4%	55.9	55.9	0.1	0.1%
8.6%	55.8	55.8	-0.1	-0.1%
9.9%	55.8	55.8	-0.1	-0.1%
11.1%	55.8	55.8	-0.1	-0.1%
12.3%	55.8	55.7	-0.1	-0.1%
13.6%	55.8	55.7	-0.1	-0.1%
14.8%	55.7	55.7	0.0	0.0%
16.0%	55.7	55.7	0.0	0.0%
17.3%	55.6	55.7	0.1	0.2%
18.5%	55.5	55.6	0.0	0.1%
19.8%	55.4	55.5	0.1	0.2%
21.0%	55.4	55.4	0.0	0.0%
22.2%	55.4	55.4	0.0	0.0%
23.5%	55.3	55.3	0.0	0.1%
24.7%	55.3	55.3	0.1	0.1%
25.9%	55.2	55.3	0.1	0.1%
27.2%	55.2	55.3	0.0	0.1%
28.4%	55.2	55.2	0.1	0.1%
29.6%	55.1	55.2	0.0	0.1%
30.9%	55.1	55.1	0.0	0.1%
32.1%	55.0	55.1	0.1	0.1%
33.3%	55.0	55.0	0.0	0.0%
34.6%	54.9	55.0	0.1	0.2%
35.8%	54.8	55.0	0.2	0.3%
37.0%	54.8	54.9	0.2	0.3%
38.3%	54.7	54.9	0.2	0.4%
39.5%	54.7	54.9	0.2	0.5%
40.7%	54.7	54.9	0.2	0.4%
42.0%	54.6	54.9	0.2	0.4%
43.2%	54.6	54.8	0.2	0.4%
44.4%	54.6	54.7	0.1	0.3%
45.7%	54.5	54.6	0.1	0.2%
46.9%	54.5	54.6	0.1	0.2%
48.1%	54.5	54.5	0.1	0.2%
49.4%	54.4	54.5	0.1	0.1%
50.6%	54.4	54.5	0.1	0.1%
51.9%	54.4	54.5	0.0	0.1%
53.1%	54.4	54.4	0.0	0.1%
54.3%	54.4	54.4	0.0	0.1%
55.6%	54.4	54.3	-0.1	-0.1%
56.8%	54.3	54.3	0.0	0.0%
58.0%	54.3	54.3	0.0	0.0%
59.3%	54.2	54.3	0.1	0.1%
60.5%	54.2	54.2	0.0	0.0%
61.7%	54.2	54.1	0.0	0.0%
63.0%	54.1	54.1	0.0	-0.1%
64.2%	54.1	54.0	0.0	-0.1%
65.4%	54.1	54.0	0.0	0.0%
66.7%	54.0	54.0	0.0	0.0%
67.9%	53.9	53.9	0.0	0.0%
69.1%	53.9	53.9	-0.1	-0.1%
70.4%	53.9	53.8	-0.1	-0.1%
71.6%	53.9	53.7	-0.2	-0.3%
72.8%	53.9	53.7	-0.2	-0.4%
74.1%	53.7	53.7	0.0	0.0%
75.3%	53.6	53.7	0.0	0.0%
76.5%	53.6	53.6	0.0	0.0%
77.8%	53.6	53.6	0.0	0.0%
79.0%	53.6	53.6	0.0	0.0%
80.2%	53.5	53.6	0.0	0.1%
81.5%	53.5	53.6	0.0	0.0%
82.7%	53.5	53.5	0.0	0.1%
84.0%	53.5	53.5	0.0	0.0%
85.2%	53.5	53.5	0.0	0.0%
86.4%	53.5	53.4	0.0	0.0%
87.7%	53.3	53.4	0.1	0.1%
88.9%	53.3	53.3	0.0	0.0%
90.1%	53.3	53.2	-0.1	-0.2%
91.4%	53.2	53.0	-0.2	-0.4%
92.6%	53.1	53.0	-0.1	-0.1%
93.8%	53.0	53.0	0.0	0.0%
95.1%	52.9	52.7	-0.1	-0.2%
96.3%	52.4	52.5	0.1	0.2%
97.5%	52.1	52.2	0.2	0.3%
98.8%	52.1	52.0	0.0	-0.1%
100.0%	52.1	52.0	0.0	-0.1%

December				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.8	53.7	-0.1	-0.2%
1.2%	53.3	53.3	0.1	0.1%
2.5%	53.1	53.1	0.0	0.0%
3.7%	52.5	52.6	0.0	0.1%
4.9%	52.5	52.4	-0.1	-0.1%
6.2%	52.4	52.3	-0.1	-0.2%
7.4%	52.3	52.3	0.0	-0.1%
8.6%	52.3	52.3	0.0	0.0%
9.9%	52.3	52.1	-0.1	-0.2%
11.1%	51.9	52.1	0.2	0.4%
12.3%	51.9	51.7	-0.2	-0.4%
13.6%	51.5	51.6	0.1	0.2%
14.8%	51.5	51.6	0.1	0.2%
16.0%	51.4	51.6	0.2	0.4%
17.3%	51.3	51.5	0.2	0.4%
18.5%	51.2	51.5	0.3	0.6%
19.8%	51.1	51.5	0.4	0.8%
21.0%	51.0	51.4	0.4	0.7%
22.2%	51.0	51.3	0.2	0.5%
23.5%	50.9	51.2	0.3	0.5%
24.7%	50.9	51.0	0.1	0.2%
25.9%	50.8	51.0	0.1	0.3%
27.2%	50.8	50.9	0.1	0.2%
28.4%	50.6	50.8	0.2	0.4%
29.6%	50.6	50.7	0.1	0.3%
30.9%	50.4	50.7	0.2	0.5%
32.1%	50.3	50.7	0.3	0.7%
33.3%	50.2	50.5	0.3	0.6%
34.6%	50.2	50.5	0.3	0.6%
35.8%	50.2	50.5	0.3	0.6%
37.0%	50.2	50.2	0.0	0.0%
38.3%	50.1	50.2	0.1	0.1%
39.5%	50.0	50.1	0.1	0.2%
40.7%	50.0	50.0	0.0	0.0%
42.0%	50.0	50.0	0.0	0.1%
43.2%	49.9	49.9	0.0	0.0%
44.4%	49.9	49.9	0.0	0.1%
45.7%	49.8	49.9	0.1	0.1%
46.9%	49.8	49.9	0.1	0.2%
48.1%	49.8	49.8	0.1	0.2%
49.4%	49.7	49.8	0.1	0.2%
50.6%	49.7	49.8	0.1	0.2%
51.9%	49.6	49.8	0.1	0.3%
53.1%	49.6	49.8	0.2	0.3%
54.3%	49.5	49.6	0.1	0.2%
55.6%	49.4	49.6	0.3	0.5%
56.8%	49.3	49.5	0.2	0.3%
58.0%	49.3	49.4	0.1	0.3%
59.3%	49.3	49.3	0.1	0.2%
60.5%	49.2	49.3	0.1	0.2%
61.7%	49.1	49.2	0.1	0.3%
63.0%	49.0	49.2	0.2	0.4%
64.2%	49.0	49.1	0.1	0.1%
65.4%	49.0	49.0	0.0	0.0%
66.7%	48.9	49.0	0.1	0.2%
67.9%	48.9	48.9	0.1	0.1%
69.1%	48.8	48.9	0.0	0.1%
70.4%	48.7	48.8	0.1	0.2%
71.6%	48.7	48.8	0.1	0.2%
72.8%	48.6	48.7	0.0	0.1%
74.1%	48.5	48.6	0.1	0.2%
75.3%	48.5	48.6	0.1	0.2%
76.5%	48.4	48.6	0.1	0.2%
77.8%	48.3	48.5	0.2	0.3%
79.0%	48.3	48.5	0.2	0.4%
80.2%	48.3	48.4	0.2	0.4%
81.5%	48.2	48.4	0.1	0.3%
82.7%	48.2	48.4	0.2	0.4%
84.0%	48.2	48.2	0.0	0.0%
85.2%	48.0	48.1	0.2	0.3%
86.4%	47.9	48.0	0.2	0.3%
87.7%	47.8	47.9	0.2	0.3%
88.9%	47.7	47.8	0.2	0.4%
90.1%	47.6	47.7	0.2	0.3%
91.4%	47.5	47.6	0.1	0.3%
92.6%	47.5	47.6	0.1	0.2%
93.8%	47.5	47.5	0.0	0.0%
95.1%	47.4	47.4	0.0	0.0%
96.3%	47.4	47.4	0.0	0.0%
97.5%	47.4	47.4	0.0	0.0%
98.8%	47.2	47.4	0.1	0.3%
100.0%	47.2	47.4	0.1	0.3%

January				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	50.5	50.6	0.1	0.2%
1.2%	50.0	49.8	-0.2	-0.4%
2.5%	49.6	49.7	0.0	0.1%
3.7%	49.5	49.5	0.1	0.1%
4.9%	49.4	49.5	0.0	0.0%
6.2%	49.2	49.2	0.0	0.0%
7.4%	49.1	49.1	0.0	0.0%
8.6%	49.0	49.1	0.0	0.1%
9.9%	48.8	49.0	0.2	0.4%
11.1%	48.8	48.7	0.0	-0.1%
12.3%	48.7	48.7	-0.1	-0.1%
13.6%	48.7	48.7	-0.1	-0.1%
14.8%	48.6	48.6	-0.1	-0.2%
16.0%	48.3	48.4	0.1	0.3%
17.3%	48.3	48.3	0.0	0.0%
18.5%	48.2	48.3	0.1	0.1%
19.8%	48.2	48.2	0.0	0.1%
21.0%	48.1	48.2	0.0	0.1%
22.2%	48.1	48.1	0.1	0.1%
23.5%	48.1	48.1	0.0	0.1%
24.7%	47.9	48.1	0.2	0.4%
25.9%	47.9	48.1	0.2	0.4%
27.2%	47.9	47.9	0.0	0.0%
28.4%	47.8	47.8	0.0	0.0%
29.6%	47.7	47.7	0.0	0.0%
30.9%	47.6	47.6	0.0	0.1%
32.1%	47.6	47.6	0.0	-0.1%
33.3%	47.5	47.5	0.0	0.0%
34.6%	47.5	47.5	0.0	0.0%
35.8%	47.5	47.5	0.0	0.0%
37.0%	47.5	47.5	0.0	0.0%
38.3%	47.5	47.4	-0.1	-0.1%
39.5%	47.5	47.4	-0.1	-0.1%
40.7%	47.4	47.4	-0.1	-0.1%
42.0%	47.3	47.4	0.1	0.2%
43.2%	47.3	47.3	0.1	0.1%
44.4%	47.2	47.3	0.1	0.1%
45.7%	47.2	47.3	0.0	0.1%
46.9%	47.2	47.2	0.0	0.1%
48.1%	47.1	47.2	0.1	0.2%
49.4%	47.1	47.1	0.0	-0.1%
50.6%	47.1	47.1	0.0	-0.1%
51.9%	47.1	47.1	0.0	0.0%
53.1%	47.0	47.0	0.0	0.1%
54.3%	47.0	47.0	0.0	0.0%
55.6%	46.9	47.0	0.0	0.0%
56.8%	46.9	46.9	0.0	0.1%
58.0%	46.8	46.9	0.1	0.2%
59.3%	46.8	46.8	0.0	0.1%
60.5%	46.8	46.8	0.0	0.0%
61.7%	46.7	46.7	0.0	0.0%
63.0%	46.7	46.7	-0.1	-0.2%
64.2%	46.7	46.6	-0.1	-0.3%
65.4%	46.6	46.6	0.0	-0.1%
66.7%	46.5	46.6	0.0	0.1%
67.9%	46.5	46.5	-0.1	-0.1%
69.1%	46.5	46.5	-0.1	-0.1%
70.4%	46.5	46.5	-0.1	-0.1%
71.6%	46.5	46.4	-0.1	-0.2%
72.8%	46.5	46.4	-0.1	-0.2%
74.1%	46.5	46.4	-0.1	-0.2%
75.3%	46.5	46.4	-0.1	-0.2%
76.5%	46.5	46.4	-0.1	-0.1%
77.8%	46.4	46.4	0.0	0.0%
79.0%	46.4	46.4	0.0	0.0%
80.2%	46.4	46.3	-0.1	-0.2%
81.5%	46.4	46.3	-0.1	-0.2%
82.7%	46.3	46.2	-0.1	-0.2%
84.0%	46.3	46.1	-0.2	-0.4%
85.2%	46.2	46.1	-0.1	-0.3%
86.4%	46.2	46.0	-0.2	-0.5%
87.7%	46.2	45.9	-0.2	-0.4%
88.9%	46.1	45.9	-0.2	-0.4%
90.1%	45.9	45.8	-0.2	-0.4%
91.4%	45.7	45.7	0.0	0.1%
92.6%	45.5	45.7	0.2	0.4%
93.8%	45.5	45.7	0.2	0.5%
95.1%	45.5	45.5	0.0	0.1%
96.3%	45.5	45.3	-0.1	-0.3%
97.5%	45.4	45.2	-0.2	-0.4%
98.8%	45.4	45.2	-0.2	-0.4%
100.0%	45.4	45.2	-0.2	-0.4%

Table SQ5-1b

Sacramento River at Jellys Ferry, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.0	52.1	0.1	0.1%
1.2%	50.2	50.4	0.2	0.4%
2.5%	49.8	49.8	0.0	-0.1%
3.7%	49.7	49.7	-0.1	-0.1%
4.9%	49.6	49.5	-0.1	-0.3%
6.2%	49.4	49.3	0.0	0.0%
7.4%	49.3	49.3	0.0	0.0%
8.6%	49.3	49.3	0.0	0.1%
9.9%	49.2	49.3	0.1	0.1%
11.1%	49.1	49.2	0.0	0.0%
12.3%	49.0	49.1	0.1	0.3%
13.6%	49.0	49.0	0.0	0.0%
14.8%	48.9	49.0	0.1	0.2%
16.0%	48.9	49.0	0.1	0.2%
17.3%	48.8	48.9	0.0	0.1%
18.5%	48.8	48.6	-0.1	-0.2%
19.8%	48.7	48.5	-0.1	-0.3%
21.0%	48.5	48.5	-0.1	-0.1%
22.2%	48.4	48.4	0.0	-0.1%
23.5%	48.4	48.4	0.0	0.0%
24.7%	48.3	48.4	0.0	0.1%
25.9%	48.2	48.3	0.1	0.1%
27.2%	48.2	48.2	0.0	0.0%
28.4%	48.2	48.2	0.0	0.0%
29.6%	48.1	48.1	0.0	0.0%
30.9%	48.1	48.1	0.0	0.0%
32.1%	48.1	48.0	-0.1	-0.1%
33.3%	48.1	48.0	-0.1	-0.1%
34.6%	48.0	48.0	0.0	-0.1%
35.8%	48.0	48.0	0.0	-0.1%
37.0%	48.0	47.9	0.0	-0.1%
38.3%	48.0	47.9	-0.1	-0.1%
39.5%	48.0	47.9	-0.1	-0.1%
40.7%	47.9	47.9	0.0	-0.1%
42.0%	47.9	47.8	0.0	-0.1%
43.2%	47.9	47.8	0.0	-0.1%
44.4%	47.9	47.8	-0.1	-0.1%
45.7%	47.8	47.7	-0.1	-0.2%
46.9%	47.6	47.7	0.1	0.2%
48.1%	47.6	47.6	0.0	0.0%
49.4%	47.5	47.4	0.0	0.0%
50.6%	47.4	47.4	0.0	0.0%
51.9%	47.4	47.4	0.0	-0.1%
53.1%	47.4	47.3	-0.1	-0.2%
54.3%	47.3	47.3	0.0	0.0%
55.6%	47.3	47.3	0.0	0.1%
56.8%	47.2	47.3	0.1	0.1%
58.0%	47.2	47.2	0.0	0.0%
59.3%	47.2	47.2	0.0	0.0%
60.5%	47.2	47.2	0.0	0.0%
61.7%	47.1	47.1	0.0	0.1%
63.0%	47.0	47.1	0.1	0.2%
64.2%	46.9	47.0	0.1	0.1%
65.4%	46.9	46.9	-0.1	-0.2%
66.7%	46.9	46.8	-0.1	-0.2%
67.9%	46.9	46.8	-0.1	-0.2%
69.1%	46.8	46.7	-0.2	-0.3%
70.4%	46.7	46.6	-0.1	-0.2%
71.6%	46.7	46.6	0.0	-0.1%
72.8%	46.6	46.5	-0.1	-0.2%
74.1%	46.5	46.3	-0.2	-0.4%
75.3%	46.5	46.3	-0.2	-0.4%
76.5%	46.4	46.3	-0.2	-0.4%
77.8%	46.4	46.2	-0.1	-0.3%
79.0%	46.3	46.2	-0.1	-0.2%
80.2%	46.3	46.2	-0.1	-0.2%
81.5%	46.3	46.2	-0.1	-0.2%
82.7%	46.2	46.1	-0.1	-0.1%
84.0%	46.2	46.0	-0.1	-0.3%
85.2%	46.1	46.0	-0.1	-0.3%
86.4%	46.1	46.0	-0.1	-0.2%
87.7%	46.0	46.0	-0.1	-0.2%
88.9%	46.0	45.9	-0.1	-0.2%
90.1%	46.0	45.9	-0.1	-0.2%
91.4%	45.9	45.8	0.0	-0.1%
92.6%	45.8	45.7	-0.2	-0.4%
93.8%	45.8	45.6	-0.2	-0.5%
95.1%	45.7	45.6	-0.2	-0.3%
96.3%	45.5	45.3	-0.1	-0.3%
97.5%	45.4	45.2	-0.1	-0.3%
98.8%	44.4	44.6	0.2	0.4%
100.0%	44.4	44.6	0.2	0.4%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.1	53.1	0.0	0.1%
1.2%	52.8	53.0	0.2	0.3%
2.5%	52.8	52.6	-0.2	-0.4%
3.7%	52.7	52.5	-0.2	-0.5%
4.9%	52.5	52.4	-0.1	-0.2%
6.2%	52.3	52.4	0.0	0.0%
7.4%	52.2	52.3	0.1	0.2%
8.6%	52.1	52.0	0.0	-0.1%
9.9%	51.9	52.0	0.1	0.2%
11.1%	51.8	51.9	0.1	0.1%
12.3%	51.7	51.7	0.0	0.1%
13.6%	51.7	51.6	0.0	0.0%
14.8%	51.6	51.6	0.0	0.1%
16.0%	51.6	51.6	0.0	0.0%
17.3%	51.4	51.5	0.1	0.2%
18.5%	51.4	51.4	0.0	-0.1%
19.8%	51.3	51.3	0.0	-0.1%
21.0%	51.3	51.2	-0.1	-0.2%
22.2%	51.2	51.2	0.0	0.0%
23.5%	51.2	51.2	0.0	0.0%
24.7%	51.1	51.1	0.0	-0.1%
25.9%	51.1	51.1	0.0	0.0%
27.2%	51.0	51.1	0.1	0.1%
28.4%	51.0	51.0	0.0	0.1%
29.6%	51.0	51.0	0.0	0.1%
30.9%	50.9	50.9	0.0	0.0%
32.1%	50.9	50.9	0.0	0.1%
33.3%	50.8	50.9	0.0	0.1%
34.6%	50.8	50.9	0.0	0.1%
35.8%	50.8	50.8	0.0	0.0%
37.0%	50.8	50.8	0.0	0.0%
38.3%	50.7	50.7	0.0	0.0%
39.5%	50.6	50.7	0.1	0.2%
40.7%	50.5	50.6	0.0	0.1%
42.0%	50.5	50.5	0.0	0.0%
43.2%	50.4	50.4	0.0	-0.1%
44.4%	50.2	50.2	0.0	0.0%
45.7%	50.1	50.1	0.0	-0.1%
46.9%	50.1	50.0	0.0	0.0%
48.1%	50.0	49.9	-0.1	-0.2%
49.4%	49.8	49.8	0.0	0.0%
50.6%	49.8	49.8	0.0	0.0%
51.9%	49.7	49.7	0.0	0.0%
53.1%	49.7	49.6	0.0	-0.1%
54.3%	49.6	49.6	0.0	0.0%
55.6%	49.6	49.6	0.0	0.0%
56.8%	49.5	49.4	-0.1	-0.3%
58.0%	49.5	49.4	-0.1	-0.2%
59.3%	49.4	49.3	-0.1	-0.2%
60.5%	49.4	49.3	-0.1	-0.2%
61.7%	49.4	49.2	-0.2	-0.3%
63.0%	49.3	49.2	-0.1	-0.1%
64.2%	49.2	49.1	-0.1	-0.2%
65.4%	49.2	49.0	-0.2	-0.4%
66.7%	49.1	49.0	-0.1	-0.2%
67.9%	49.0	48.9	-0.1	-0.2%
69.1%	48.9	48.7	-0.2	-0.4%
70.4%	48.7	48.7	0.0	-0.1%
71.6%	48.6	48.6	0.0	-0.1%
72.8%	48.6	48.6	0.0	-0.1%
74.1%	48.6	48.5	0.0	-0.1%
75.3%	48.6	48.5	-0.1	-0.2%
76.5%	48.5	48.2	-0.3	-0.5%
77.8%	48.3	48.2	-0.1	-0.1%
79.0%	48.2	48.2	0.0	0.0%
80.2%	48.2	48.2	0.0	-0.1%
81.5%	48.1	48.1	0.0	0.0%
82.7%	47.9	47.8	-0.1	-0.2%
84.0%	47.8	47.8	0.0	-0.1%
85.2%	47.7	47.7	0.0	0.0%
86.4%	47.6	47.7	0.0	0.1%
87.7%	47.6	47.7	0.0	0.1%
88.9%	47.6	47.6	0.0	0.0%
90.1%	47.5	47.6	0.1	0.2%
91.4%	47.5	47.6	0.1	0.2%
92.6%	47.3	47.3	0.0	-0.1%
93.8%	47.3	47.3	0.0	-0.1%
95.1%	47.3	47.3	0.0	0.0%
96.3%	47.3	47.3	0.0	0.0%
97.5%	46.8	46.8	0.0	0.0%
98.8%	46.7	46.7	0.1	0.1%
100.0%	46.7	46.7	0.1	0.1%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.3	56.2	0.0	0.0%
1.2%	56.2	56.0	-0.2	-0.3%
2.5%	55.8	55.8	0.0	0.0%
3.7%	55.4	55.3	-0.1	-0.2%
4.9%	55.3	55.1	-0.2	-0.4%
6.2%	55.1	55.0	-0.1	-0.1%
7.4%	55.0	54.5	-0.5	-1.0%
8.6%	55.0	54.3	-0.7	-1.2%
9.9%	54.6	54.3	-0.3	-0.5%
11.1%	54.4	54.2	-0.2	-0.4%
12.3%	54.3	54.2	-0.1	-0.2%
13.6%	54.3	54.2	-0.2	-0.3%
14.8%	54.2	54.2	0.0	-0.1%
16.0%	54.2	54.2	0.0	0.0%
17.3%	54.1	54.1	0.0	0.0%
18.5%	54.0	54.0	0.0	0.1%
19.8%	54.0	54.0	0.0	0.0%
21.0%	54.0	54.0	0.0	0.0%
22.2%	53.7	54.0	0.2	0.4%
23.5%	53.6	53.9	0.3	0.5%
24.7%	53.6	53.8	0.2	0.4%
25.9%	53.5	53.7	0.2	0.4%
27.2%	53.5	53.7	0.2	0.4%
28.4%	53.5	53.7	0.2	0.4%
29.6%	53.4	53.5	0.1	0.2%
30.9%	53.4	53.5	0.1	0.3%
32.1%	53.2	53.4	0.2	0.4%
33.3%	53.1	53.3	0.2	0.4%
34.6%	53.1	53.3	0.2	0.4%
35.8%	53.0	53.2	0.1	0.3%
37.0%	53.0	53.1	0.2	0.3%
38.3%	52.9	53.1	0.2	0.4%
39.5%	52.9	53.1	0.3	0.5%
40.7%	52.8	53.1	0.3	0.5%
42.0%	52.7	53.1	0.3	0.6%
43.2%	52.7	52.9	0.2	0.3%
44.4%	52.7	52.8	0.1	0.2%
45.7%	52.7	52.8	0.1	0.2%
46.9%	52.7	52.8	0.1	0.3%
48.1%	52.6	52.7	0.1	0.2%
49.4%	52.5	52.7	0.2	0.5%
50.6%	52.5	52.7	0.3	0.5%
51.9%	52.4	52.7	0.3	0.6%
53.1%	52.4	52.7	0.3	0.6%
54.3%	52.3	52.6	0.3	0.5%
55.6%	52.3	52.5	0.2	0.5%
56.8%	52.3	52.5	0.2	0.5%
58.0%	52.3	52.4	0.2	0.3%
59.3%	52.2	52.4	0.1	0.3%
60.5%	52.2	52.4	0.2	0.3%
61.7%	52.2	52.3	0.2	0.3%
63.0%	52.2	52.3	0.1	0.3%
64.2%	52.1	52.3	0.2	0.3%
65.4%	52.1	52.3	0.2	0.3%
66.7%	52.1	52.2	0.1	0.3%
67.9%	52.0	52.2	0.2	0.4%
69.1%	52.0	52.2	0.2	0.4%
70.4%	51.9	52.1	0.2	0.4%
71.6%	51.9	52.1	0.1	0.3%
72.8%	51.8	51.9	0.1	0.3%
74.1%	51.7	51.8	0.1	0.3%
75.3%	51.6	51.7	0.1	0.1%
76.5%	51.6	51.7	0.1	0.1%
77.8%	51.5	51.6	0.1	0.1%
79.0%	51.4	51.6	0.2	0.4%
80.2%	51.2	51.6	0.4	0.7%
81.5%	51.1	51.5	0.4	0.7%
82.7%	51.1	51.5	0.4	0.8%
84.0%	51.0	51.2	0.2	0.5%
85.2%	50.9	51.1	0.1	0.2%
86.4%	50.9	51.0	0.1	0.2%
87.7%	50.7	50.8	0.1	0.3%
88.9%	50.6	50.6	0.0	0.0%
90.1%	50.5	50.6	0.1	0.2%
91.4%	50.5	50.6	0.0	0.0%
92.6%	50.4	50.6	0.1	0.2%
93.8%	50.4	50.4	0.0	-0.1%
95.1%	50.3	50.3	0.0	0.0%
96.3%	50.1	49.9	-0.2	-0.4%
97.5%	49.9	49.8	-0.1	-0.1%
98.8%	49.3	49.3	0.0	0.0%
100.0%	49.3	49.3	0.0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.9	59.4	0.5	0.8%
1.2%	58.2	58.5	0.3	0.4%
2.5%	57.3	58.5	1.2	2.0%
3.7%	57.1	58.2	1.1	1.9%
4.9%	57.0	57.6	0.7	1.1%
6.2%	56.8	57.5	0.7	1.2%
7.4%	56.7	57.3	0.6	1.1%
8.6%	56.7	57.3	0.6	1.1%
9.9%	56.6	57.0	0.5	0.8%
11.1%	56.5	56.9	0.4	0.8%
12.3%	56.5	56.8	0.4	0.6%
13.6%	56.5	56.8	0.3	0.6%
14.8%	56.4	56.8	0.4	0.7%
16.0%	56.2	56.8	0.6	1.0%
17.3%	56.2	56.7	0.6	1.0%
18.5%	56.1	56.7	0.6	1.1%
19.8%	56.0	56.7	0.7	1.3%
21.0%	56.0	56.6	0.7	1.2%
22.2%	55.9	56.6	0.7	1.3%
23.5%	55.8	56.5	0.7	1.2%
24.7%	55.6	56.5	0.9	1.5%
25.9%	55.6	56.5	0.9	1.6%
27.2%	55.6	56.2	0.7	1.2%
28.4%	55.5	56.2	0.7	1.3%
29.6%	55.5	56.2	0.7	1.3%
30.9%	55.5	55.9	0.4	0.8%
32.1%	55.3	55.9	0.6	1.0%
33.3%	55.1	55.8	0.6	1.2%
34.6%	55.1	55.6	0.5	1.0%
35.8%	55.1	55.6	0.5	0.9%
37.0%	55.1	55.5	0.4	0.7%
38.3%	55.0	55.4	0.4	0.8%
39.5%	54.8	55.4	0.6	1.0%
40.7%	54.8	55.3	0.5	0.9%
42.0%	54.8	55.2	0.4	0.7%
43.2%	54.7	55.1	0.4	0.7%
44.4%	54.7	55.1	0.4	0.7%
45.7%	54.7	55.0	0.3	0.6%
46.9%	54.7	55.0	0.3	0.6%
48.1%	54.6	54.9	0.4	0.6%
49.4%	54.6	54.9	0.4	0.7%
50.6%	54.5	54.9	0.4	0.7%
51.9%	54.5	54.9	0.4	0.7%
53.1%	54.4	54.9	0.5	0.9%
54.3%	54.3	54.9	0.5	0.9%
55.6%	54.3	54.8	0.5	1.0%
56.8%	54.3	54.8	0.5	0.9%
58.0%	54.3	54.8	0.5	0.9%
59.3%	54.3	54.8	0.5	0.9%
60.5%	54.3	54.7	0.5	0.9%
61.7%	54.2	54.7	0.5	0.9%
63.0%	54.2	54.7	0.5	0.9%
64.2%	54.2	54.7	0.5	0.9%
65.4%	54.1	54.6	0.5	0.9%
66.7%	54.1	54.6	0.4	0.8%
67.9%	54.1	54.5	0.4	0.8%
69.1%	54.1	54.5	0.4	0.8%
70.4%	54.1	54.5	0.4	0.8%
71.6%	54.0	54.5	0.4	0.8%
72.8%	54.0	54.5	0.4	0.8%
74.1%	54.0	54.4	0.5	0.9%
75.3%	53.9	54.4	0.5	1.0%
76.5%	53.9	54.3	0.4	0.8%
77.8%	53.8	54.2	0.4	0.7%
79.0%	53.8	54.2	0.4	0.8%
80.2%	53.8	54.2	0.4	0.7%
81.5%	53.8	54.1	0.3	0.5%
82.7%	53.8	54.0	0.3	0.5%
84.0%	53.7	54.0	0.3	0.5%
85.2%	53.7	54.0	0.3	0.5%
86.4%	53.7	53.9	0.2	0.4%
87.7%	53.6	53.9	0.2	0.4%
88.9%	53.6	53.8	0.2	0.3%
90.1%	53.5	53.8	0.3	0.5%
91.4%	53.5	53.5	0.0	0.1%
92.6%	53.2	53.5	0.3	0.6%
93.8%	53.0	53.4	0.4	0.7%
95.1%	52.8	53.1	0.3	0.6%
96.3%	52.7	52.8	0.0	0.1%
97.5%	52.7	52.6	-0.1	-0.1%
98.8%	52.0	52.5	0.5	1.0%
100.0%	52.0	52.5	0.5	1.0%

Table SQ5-1b

Sacramento River at Jellys Ferry, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.5	58.3	-0.1	-0.2%
1.2%	58.2	57.9	-0.3	-0.5%
2.5%	57.8	57.9	0.1	0.2%
3.7%	57.5	57.4	0.0	-0.1%
4.9%	57.4	57.3	-0.2	-0.3%
6.2%	57.4	57.1	-0.3	-0.5%
7.4%	57.4	56.9	-0.5	-0.9%
8.6%	57.4	56.7	-0.7	-1.1%
9.9%	57.0	56.7	-0.2	-0.4%
11.1%	56.9	56.6	-0.3	-0.6%
12.3%	56.8	56.5	-0.2	-0.4%
13.6%	56.7	56.4	-0.3	-0.5%
14.8%	56.6	56.4	-0.2	-0.4%
16.0%	56.4	56.3	-0.1	-0.1%
17.3%	56.4	56.3	-0.1	-0.1%
18.5%	56.1	56.3	0.2	0.4%
19.8%	56.1	56.3	0.2	0.4%
21.0%	56.1	56.3	0.2	0.4%
22.2%	56.0	56.2	0.3	0.5%
23.5%	56.0	56.1	0.2	0.3%
24.7%	55.9	56.1	0.2	0.3%
25.9%	55.9	56.1	0.2	0.3%
27.2%	55.8	56.0	0.2	0.4%
28.4%	55.8	56.0	0.2	0.3%
29.6%	55.7	56.0	0.2	0.4%
30.9%	55.6	55.9	0.3	0.5%
32.1%	55.6	55.8	0.3	0.5%
33.3%	55.4	55.8	0.4	0.7%
34.6%	55.4	55.8	0.4	0.7%
35.8%	55.4	55.7	0.3	0.6%
37.0%	55.4	55.7	0.3	0.6%
38.3%	55.3	55.7	0.3	0.6%
39.5%	55.2	55.6	0.4	0.8%
40.7%	55.1	55.6	0.5	0.9%
42.0%	55.1	55.6	0.5	0.9%
43.2%	55.0	55.5	0.5	1.0%
44.4%	55.0	55.5	0.6	1.1%
45.7%	55.0	55.5	0.5	1.0%
46.9%	54.9	55.4	0.5	0.9%
48.1%	54.9	55.4	0.5	0.8%
49.4%	54.9	55.3	0.5	0.8%
50.6%	54.9	55.3	0.5	0.8%
51.9%	54.8	55.3	0.5	0.9%
53.1%	54.8	55.2	0.5	0.8%
54.3%	54.8	55.2	0.5	0.8%
55.6%	54.8	55.2	0.4	0.8%
56.8%	54.8	55.2	0.4	0.7%
58.0%	54.7	55.1	0.4	0.7%
59.3%	54.7	55.1	0.4	0.7%
60.5%	54.7	55.0	0.4	0.7%
61.7%	54.7	55.0	0.4	0.7%
63.0%	54.6	55.0	0.3	0.6%
64.2%	54.6	55.0	0.4	0.7%
65.4%	54.5	55.0	0.4	0.8%
66.7%	54.3	54.9	0.6	1.1%
67.9%	54.3	54.8	0.6	1.1%
69.1%	54.2	54.8	0.6	1.1%
70.4%	54.2	54.8	0.6	1.1%
71.6%	54.1	54.8	0.6	1.2%
72.8%	54.1	54.7	0.6	1.2%
74.1%	54.1	54.7	0.6	1.1%
75.3%	54.1	54.7	0.6	1.1%
76.5%	54.0	54.6	0.6	1.1%
77.8%	53.9	54.5	0.6	1.1%
79.0%	53.9	54.5	0.6	1.1%
80.2%	53.8	54.4	0.6	1.2%
81.5%	53.8	54.4	0.6	1.2%
82.7%	53.7	54.4	0.7	1.3%
84.0%	53.7	54.4	0.7	1.3%
85.2%	53.7	54.4	0.6	1.2%
86.4%	53.7	54.3	0.7	1.3%
87.7%	53.6	54.3	0.7	1.3%
88.9%	53.6	54.3	0.7	1.3%
90.1%	53.6	54.2	0.6	1.1%
91.4%	53.5	54.0	0.5	1.0%
92.6%	53.3	54.0	0.7	1.2%
93.8%	53.3	54.0	0.7	1.3%
95.1%	53.3	54.0	0.7	1.4%
96.3%	53.2	53.7	0.5	1.0%
97.5%	53.2	53.7	0.6	1.0%
98.8%	53.1	53.6	0.5	1.0%
100.0%	53.1	53.6	0.5	1.0%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	59.7	58.7	-1.0	-1.7%
1.2%	58.6	58.6	0.0	0.0%
2.5%	58.5	58.5	0.0	-0.1%
3.7%	58.5	58.3	-0.1	-0.2%
4.9%	58.4	58.1	-0.3	-0.6%
6.2%	58.4	58.1	-0.3	-0.5%
7.4%	58.1	58.1	0.0	0.1%
8.6%	58.0	58.0	0.1	0.1%
9.9%	57.9	57.9	0.0	0.0%
11.1%	57.7	57.8	0.2	0.3%
12.3%	57.6	57.8	0.2	0.3%
13.6%	57.6	57.5	-0.1	-0.2%
14.8%	57.5	57.5	-0.1	-0.1%
16.0%	57.5	57.4	-0.1	-0.1%
17.3%	57.4	57.4	0.0	-0.1%
18.5%	57.4	57.4	-0.1	-0.1%
19.8%	57.1	57.3	0.2	0.3%
21.0%	57.0	57.2	0.2	0.4%
22.2%	56.9	57.2	0.2	0.4%
23.5%	56.9	57.1	0.2	0.4%
24.7%	56.9	57.1	0.2	0.4%
25.9%	56.8	57.1	0.3	0.5%
27.2%	56.8	57.0	0.2	0.4%
28.4%	56.7	57.0	0.3	0.5%
29.6%	56.6	57.0	0.4	0.6%
30.9%	56.6	56.8	0.2	0.4%
32.1%	56.5	56.8	0.3	0.5%
33.3%	56.4	56.8	0.3	0.6%
34.6%	56.4	56.7	0.3	0.6%
35.8%	56.4	56.7	0.2	0.4%
37.0%	56.4	56.6	0.2	0.4%
38.3%	56.3	56.5	0.2	0.3%
39.5%	56.2	56.4	0.2	0.3%
40.7%	56.1	56.3	0.2	0.4%
42.0%	56.0	56.3	0.2	0.4%
43.2%	56.0	56.3	0.3	0.6%
44.4%	55.9	56.2	0.3	0.5%
45.7%	55.8	56.2	0.4	0.7%
46.9%	55.8	56.1	0.3	0.5%
48.1%	55.7	56.0	0.3	0.6%
49.4%	55.7	56.0	0.3	0.5%
50.6%	55.7	56.0	0.3	0.5%
51.9%	55.7	56.0	0.3	0.5%
53.1%	55.7	55.9	0.3	0.5%
54.3%	55.7	55.9	0.3	0.5%
55.6%	55.5	55.9	0.4	0.6%
56.8%	55.5	55.8	0.3	0.5%
58.0%	55.5	55.8	0.3	0.5%
59.3%	55.5	55.8	0.3	0.5%
60.5%	55.3	55.7	0.4	0.7%
61.7%	55.3	55.6	0.4	0.6%
63.0%	55.3	55.6	0.3	0.5%
64.2%	55.3	55.5	0.3	0.5%
65.4%	55.2	55.5	0.3	0.5%
66.7%	55.2	55.5	0.3	0.5%
67.9%	55.2	55.4	0.3	0.5%
69.1%	55.1	55.4	0.3	0.5%
70.4%	55.1	55.3	0.2	0.4%
71.6%	55.0	55.2	0.2	0.4%
72.8%	55.0	55.2	0.3	0.5%
74.1%	54.9	55.1	0.2	0.3%
75.3%	54.9	55.1	0.1	0.2%
76.5%	54.8	55.0	0.2	0.4%
77.8%	54.8	55.0	0.3	0.5%
79.0%	54.7	55.0	0.3	0.5%
80.2%	54.7	54.9	0.2	0.4%
81.5%	54.6	54.9	0.2	0.4%
82.7%	54.6	54.8	0.2	0.4%
84.0%	54.6	54.8	0.3	0.5%
85.2%	54.6	54.8	0.2	0.5%
86.4%	54.5	54.8	0.3	0.5%
87.7%	54.5	54.7	0.2	0.4%
88.9%	54.3	54.6	0.3	0.6%
90.1%	54.3	54.6	0.3	0.5%
91.4%	54.2	54.4	0.2	0.3%
92.6%	54.2	54.3	0.2	0.3%
93.8%	54.2	54.3	0.1	0.3%
95.1%	54.0	54.2	0.2	0.3%
96.3%	54.0	54.1	0.1	0.2%
97.5%	53.9	54.0	0.2	0.3%
98.8%	53.8	54.0	0.1	0.2%
100.0%	53.8	54.0	0.1	0.2%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.1	62.5	-4.6	-6.8%
1.2%	60.2	58.9	-1.3	-2.1%
2.5%	60.0	58.8	-1.2	-1.9%
3.7%	59.9	58.5	-1.5	-2.4%
4.9%	59.8	58.4	-1.4	-2.4%
6.2%	59.3	58.4	-1.0	-1.6%
7.4%	59.1	58.3	-0.7	-1.3%
8.6%	58.8	58.3	-0.5	-0.8%
9.9%	58.8	58.3	-0.5	-0.9%
11.1%	58.8	58.2	-0.6	-1.0%
12.3%	58.6	58.1	-0.5	-0.9%
13.6%	58.5	58.1	-0.4	-0.6%
14.8%	58.4	58.1	-0.4	-0.6%
16.0%	58.3	58.0	-0.3	-0.4%
17.3%	58.3	57.9	-0.3	-0.5%
18.5%	58.2	57.9	-0.3	-0.5%
19.8%	58.2	57.9	-0.3	-0.5%
21.0%	58.2	57.9	-0.3	-0.5%
22.2%	58.2	57.9	-0.3	-0.5%
23.5%	58.1	57.8	-0.3	-0.5%
24.7%	58.1	57.7	-0.4	-0.6%
25.9%	58.1	57.7	-0.3	-0.6%
27.2%	58.1	57.7	-0.3	-0.6%
28.4%	58.0	57.7	-0.4	-0.6%
29.6%	58.0	57.7	-0.3	-0.5%
30.9%	57.8	57.6	-0.2	-0.3%
32.1%	57.7	57.6	-0.1	-0.2%
33.3%	57.7	57.5	-0.2	-0.3%
34.6%	57.6	57.5	-0.2	-0.3%
35.8%	57.6	57.5	-0.2	-0.3%
37.0%	57.6	57.4	-0.2	-0.3%
38.3%	57.5	57.4	-0.1	-0.2%
39.5%	57.4	57.4	-0.1	-0.1%
40.7%	57.4	57.4	0.0	0.0%
42.0%	57.4	57.3	-0.1	-0.1%
43.2%	57.4	57.3	-0.1	-0.2%
44.4%	57.3	57.3	0.0	0.0%
45.7%	57.2	57.2	0.0	0.1%
46.9%	57.1	57.2	0.0	0.0%
48.1%	57.1	57.1	0.0	-0.1%
49.4%	57.1	57.0	-0.1	-0.2%
50.6%	57.1	57.0	0.0	-0.1%
51.9%	57.0	57.0	0.0	0.0%
53.1%	57.0	57.0	0.0	0.0%
54.3%	57.0	57.0	0.0	-0.1%
55.6%	57.0	56.9	-0.1	-0.1%
56.8%	56.9	56.9	0.0	-0.1%
58.0%	56.9	56.8	-0.1	-0.1%
59.3%	56.8	56.8	0.0	0.0%
60.5%	56.8	56.7	-0.1	-0.1%
61.7%	56.8	56.7	-0.1	-0.2%
63.0%	56.8	56.6	-0.1	-0.2%
64.2%	56.7	56.6	-0.1	-0.1%
65.4%	56.7	56.6	-0.1	-0.2%
66.7%	56.7	56.6	-0.1	-0.1%
67.9%	56.6	56.5	-0.2	-0.3%
69.1%	56.6	56.5	-0.2	-0.3%
70.4%	56.5	56.4	-0.1	-0.2%
71.6%	56.5	56.4	-0.1	-0.1%
72.8%	56.5	56.4	-0.1	-0.1%
74.1%	56.4	56.4	0.0	0.0%
75.3%	56.3	56.3	0.0	0.0%
76.5%	56.3	56.1	-0.2	-0.3%
77.8%	56.3	56.1	-0.2	-0.4%
79.0%	56.3	56.0	-0.3	-0.6%
80.2%	56.3	55.9	-0.4	-0.7%
81.5%	56.2	55.9	-0.3	-0.6%
82.7%	56.2	55.8	-0.4	-0.7%
84.0%	56.2	55.6	-0.5	-1.0%
85.2%	56.1	55.6	-0.5	-0.9%
86.4%	56.1	55.6	-0.5	-0.9%
87.7%	56.0	55.6	-0.5	-0.8%
88.9%	55.9	55.5	-0.4	-0.7%
90.1%	55.9	55.5	-0.4	-0.7%
91.4%	55.7	55.5	-0.2	-0.4%
92.6%	55.6	55.4	-0.2	-0.4%
93.8%	55.5	55.3	-0.2	-0.4%
95.1%	54.7	55.3	0.6	1.1%
96.3%	54.7	55.0	0.4	0.7%
97.5%	54.3	54.9	0.7	1.2%
98.8%	54.2	54.9	0.7	1.2%
100.0%	54.2	54.9	0.7	1.2%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.9	67.3	0.4	0.7%
1.2%	65.3	61.6	-3.7	-5.7%
2.5%	64.3	61.4	-2.9	-4.4%
3.7%	61.5	59.6	-1.9	-3.0%
4.9%	60.6	59.4	-1.2	-1.9%
6.2%	60.4	59.4	-1.0	-1.7%
7.4%	60.3	59.2	-1.1	-1.8%
8.6%	59.6	59.0	-0.6	-1.0%
9.9%	59.5	58.9	-0.6	-1.1%
11.1%	59.5	58.7	-0.8	-1.4%
12.3%	59.5	58.5	-1.0	-1.6%
13.6%	59.4	58.5	-1.0	-1.6%
14.8%	59.4	58.4	-0.9	-1.6%
16.0%	59.4	58.2	-1.1	-1.9%
17.3%	59.2	58.1	-1.1	-1.8%
18.5%	59.0	58.0	-1.0	-1.6%
19.8%	58.7	58.0	-0.7	-1.2%
21.0%	58.6	57.9	-0.7	-1.1%
22.2%	58.5	57.9	-0.6	-1.1%
23.5%	58.4	57.9	-0.6	-0.9%
24.7%	58.4	57.9	-0.5	-0.9%
25.9%	58.2	57.8	-0.4	-0.6%
27.2%	58.1	57.8	-0.4	-0.6%
28.4%	58.1	57.7	-0.4	-0.7%
29.6%	58.1	57.7	-0.4	-0.6%
30.9%	58.0	57.7	-0.3	-0.5%
32.1%	57.8	57.6	-0.2	-0.4%
33.3%	57.8	57.6	-0.2	-0.3%
34.6%	57.6	57.6	-0.1	-0.1%
35.8%	57.4	57.6	0.1	0.2%
37.0%	57.4	57.5	0.0	0.1%
38.3%	57.2	57.4	0.2	0.4%
39.5%	57.2	57.2	0.0	-0.1%
40.7%	57.2	57.0	-0.1	-0.2%
42.0%	56.9	57.0	0.1	0.2%
43.2%	56.7	56.7	0.0	-0.1%
44.4%	56.7	56.6	0.0	-0.1%
45.7%	56.6	56.6	0.0	0.0%
46.9%	56.4	56.6	0.2	0.3%
48.1%	56.4	56.5	0.2	0.3%
49.4%	56.2	56.4	0.2	0.3%
50.6%	56.1	56.4	0.3	0.6%
51.9%	56.0	56.3	0.3	0.5%
53.1%	55.9	56.3	0.4	0.7%
54.3%	55.9	56.2	0.3	0.6%
55.6%	55.9	56.1	0.2	0.4%
56.8%	55.6	56.0	0.5	0.9%
58.0%	55.5	56.0	0.4	0.8%
59.3%	55.5	55.9	0.4	0.7%
60.5%	55.2	55.8	0.5	1.0%
61.7%	55.2	55.7	0.5	1.0%
63.0%	55.1	55.7	0.6	1.1%
64.2%	55.1	55.7	0.6	1.0%
65.4%	55.1	55.7	0.6	1.0%
66.7%	55.0	55.6	0.6	1.0%
67.9%	55.0	55.6	0.5	1.0%
69.1%	54.9	55.5	0.7	1.2%
70.4%	54.8	55.4	0.6	1.1%
71.6%	54.7	55.4	0.6	1.1%
72.8%	54.7	55.3	0.6	1.2%
74.1%	54.7	55.1	0.4	0.7%
75.3%	54.5	55.0	0.5	0.9%
76.5%	54.4	54.8	0.4	0.7%
77.8%	54.3	54.5	0.2	0.3%
79.0%	54.3	54.5	0.1	0.3%
80.2%	54.3	54.5	0.1	0.2%
81.5%	54.3	54.4	0.1	0.2%
82.7%	53.8	54.4	0.6	1.1%
84.0%	53.8	54.3	0.6	1.1%
85.2%	53.6	54.3	0.7	1.4%
86.4%	53.5	54.2	0.7	1.3%
87.7%	53.5	53.9	0.4	0.7%
88.9%	53.5	53.7	0.3	0.5%
90.1%	53.4	53.6	0.2	0.4%
91.4%	53.4	53.6	0.2	0.4%
92.6%	53.3	53.0	-0.2	-0.4%
93.8%	52.9	52.8	-0.1	-0.2%
95.1%	52.8	52.8	0.0	0.0%
96.3%	52.4	52.6	0.2	0.4%
97.5%	52.1	52.4	0.3	0.5%
98.8%	52.1	52.2	0.1	0.3%
100.0%	52.1	52.2	0.1	0.3%

Table SQ5-1b

Sacramento River at Jellys Ferry, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	62.6	61.3	-1.3	-2.1%
1.2%	59.4	58.7	-0.7	-1.3%
2.5%	59.4	58.3	-1.1	-1.9%
3.7%	59.0	58.2	-0.8	-1.4%
4.9%	58.5	58.2	-0.3	-0.6%
6.2%	58.4	58.1	-0.3	-0.5%
7.4%	58.3	57.9	-0.4	-0.6%
8.6%	58.0	57.8	-0.1	-0.3%
9.9%	57.9	57.8	-0.1	-0.2%
11.1%	57.9	57.7	-0.2	-0.4%
12.3%	57.8	57.6	-0.1	-0.2%
13.6%	57.8	57.6	-0.1	-0.2%
14.8%	57.7	57.6	-0.1	-0.3%
16.0%	57.6	57.3	-0.3	-0.6%
17.3%	57.5	57.3	-0.2	-0.4%
18.5%	57.5	57.3	-0.2	-0.3%
19.8%	57.4	57.3	-0.2	-0.3%
21.0%	57.3	57.1	-0.3	-0.5%
22.2%	57.2	57.1	-0.2	-0.3%
23.5%	57.2	57.0	-0.1	-0.2%
24.7%	57.1	57.0	-0.1	-0.2%
25.9%	57.1	57.0	-0.1	-0.2%
27.2%	57.1	57.0	-0.1	-0.2%
28.4%	57.1	56.9	-0.1	-0.2%
29.6%	57.0	56.9	-0.1	-0.2%
30.9%	57.0	56.8	-0.2	-0.3%
32.1%	57.0	56.7	-0.2	-0.4%
33.3%	56.9	56.7	-0.2	-0.4%
34.6%	56.8	56.7	-0.1	-0.1%
35.8%	56.6	56.6	0.0	0.0%
37.0%	56.5	56.6	0.1	0.1%
38.3%	56.5	56.6	0.1	0.2%
39.5%	56.4	56.5	0.1	0.1%
40.7%	56.4	56.5	0.1	0.2%
42.0%	56.4	56.5	0.1	0.2%
43.2%	56.3	56.5	0.1	0.2%
44.4%	56.3	56.4	0.0	0.1%
45.7%	56.3	56.3	0.0	0.1%
46.9%	56.2	56.3	0.1	0.2%
48.1%	56.0	56.2	0.2	0.3%
49.4%	55.9	56.2	0.3	0.6%
50.6%	55.8	56.2	0.3	0.6%
51.9%	55.8	56.2	0.3	0.6%
53.1%	55.7	56.1	0.4	0.7%
54.3%	55.7	56.1	0.4	0.7%
55.6%	55.7	56.0	0.4	0.7%
56.8%	55.6	56.0	0.4	0.7%
58.0%	55.6	55.9	0.3	0.6%
59.3%	55.6	55.9	0.3	0.5%
60.5%	55.6	55.8	0.2	0.3%
61.7%	55.6	55.7	0.2	0.3%
63.0%	55.6	55.7	0.1	0.2%
64.2%	55.5	55.7	0.1	0.2%
65.4%	55.5	55.6	0.1	0.3%
66.7%	55.5	55.6	0.2	0.3%
67.9%	55.4	55.6	0.1	0.3%
69.1%	55.3	55.6	0.2	0.4%
70.4%	55.3	55.5	0.2	0.3%
71.6%	55.3	55.5	0.2	0.3%
72.8%	55.3	55.5	0.2	0.3%
74.1%	55.3	55.5	0.2	0.3%
75.3%	55.2	55.4	0.2	0.4%
76.5%	55.2	55.4	0.2	0.4%
77.8%	55.1	55.4	0.3	0.5%
79.0%	55.1	55.3	0.2	0.4%
80.2%	55.1	55.3	0.2	0.4%
81.5%	55.0	55.3	0.3	0.5%
82.7%	54.9	55.3	0.3	0.6%
84.0%	54.8	55.2	0.5	0.9%
85.2%	54.7	55.0	0.3	0.5%
86.4%	54.7	55.0	0.3	0.5%
87.7%	54.7	54.9	0.2	0.4%
88.9%	54.6	54.9	0.3	0.5%
90.1%	54.6	54.9	0.3	0.5%
91.4%	54.5	54.8	0.3	0.5%
92.6%	54.4	54.7	0.3	0.5%
93.8%	54.3	54.5	0.2	0.4%
95.1%	54.2	54.5	0.3	0.5%
96.3%	54.1	54.2	0.2	0.3%
97.5%	53.9	54.1	0.2	0.3%
98.8%	53.9	54.0	0.2	0.3%
100.0%	53.5	53.3	-0.2	-0.3%

July to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	64.6	62.9	-1.7	-2.7%
1.2%	60.8	59.5	-1.3	-2.1%
2.5%	60.6	59.1	-1.5	-2.4%
3.7%	59.7	58.8	-0.9	-1.5%
4.9%	59.4	58.7	-0.7	-1.1%
6.2%	59.1	58.5	-0.7	-1.1%
7.4%	58.9	58.3	-0.6	-1.1%
8.6%	58.9	58.3	-0.6	-1.1%
9.9%	58.4	58.3	-0.2	-0.3%
11.1%	58.4	58.3	-0.1	-0.2%
12.3%	58.3	58.2	-0.1	-0.2%
13.6%	58.2	58.1	-0.1	-0.2%
14.8%	58.2	58.1	-0.1	-0.2%
16.0%	58.1	58.0	-0.1	-0.3%
17.3%	58.1	57.7	-0.3	-0.6%
18.5%	58.0	57.7	-0.3	-0.6%
19.8%	58.0	57.6	-0.4	-0.7%
21.0%	57.9	57.5	-0.5	-0.8%
22.2%	57.9	57.5	-0.4	-0.7%
23.5%	57.8	57.4	-0.3	-0.6%
24.7%	57.8	57.4	-0.3	-0.6%
25.9%	57.7	57.4	-0.3	-0.6%
27.2%	57.6	57.4	-0.2	-0.4%
28.4%	57.6	57.3	-0.2	-0.4%
29.6%	57.5	57.2	-0.2	-0.4%
30.9%	57.3	57.1	-0.2	-0.4%
32.1%	57.3	57.1	-0.2	-0.4%
33.3%	57.3	57.1	-0.2	-0.4%
34.6%	57.0	57.1	0.1	0.2%
35.8%	56.9	57.0	0.1	0.2%
37.0%	56.9	57.0	0.1	0.2%
38.3%	56.8	56.9	0.1	0.2%
39.5%	56.7	56.9	0.2	0.3%
40.7%	56.7	56.8	0.1	0.2%
42.0%	56.5	56.7	0.2	0.3%
43.2%	56.5	56.7	0.2	0.4%
44.4%	56.5	56.6	0.1	0.2%
45.7%	56.4	56.6	0.2	0.3%
46.9%	56.3	56.5	0.3	0.5%
48.1%	56.2	56.5	0.3	0.5%
49.4%	56.2	56.3	0.2	0.3%
50.6%	56.2	56.2	0.0	0.0%
51.9%	56.1	56.2	0.0	0.1%
53.1%	56.1	56.1	0.0	0.0%
54.3%	56.1	56.1	0.0	0.0%
55.6%	55.9	56.1	0.2	0.3%
56.8%	55.9	56.1	0.2	0.3%
58.0%	55.9	56.1	0.2	0.3%
59.3%	55.9	56.1	0.2	0.3%
60.5%	55.9	56.0	0.2	0.3%
61.7%	55.8	56.0	0.1	0.2%
63.0%	55.8	55.9	0.1	0.2%
64.2%	55.8	55.9	0.1	0.3%
65.4%	55.8	55.9	0.1	0.2%
66.7%	55.7	55.8	0.1	0.2%
67.9%	55.7	55.8	0.1	0.1%
69.1%	55.7	55.8	0.1	0.2%
70.4%	55.7	55.7	0.0	0.1%
71.6%	55.6	55.7	0.1	0.2%
72.8%	55.5	55.7	0.1	0.2%
74.1%	55.5	55.6	0.1	0.1%
75.3%	55.5	55.6	0.1	0.2%
76.5%	55.5	55.5	0.1	0.1%
77.8%	55.4	55.5	0.1	0.2%
79.0%	55.4	55.5	0.1	0.2%
80.2%	55.3	55.5	0.2	0.4%
81.5%	55.2	55.5	0.3	0.5%
82.7%	55.1	55.5	0.4	0.8%
84.0%	55.0	55.4	0.4	0.8%
85.2%	54.9	55.3	0.5	0.9%
86.4%	54.8	55.2	0.4	0.8%
87.7%	54.7	55.1	0.3	0.6%
88.9%	54.7	54.8	0.1	0.1%
90.1%	54.7	54.7	0.0	-0.1%
91.4%	54.5	54.6	0.1	0.2%
92.6%	54.5	54.6	0.1	0.1%
93.8%	54.5	54.6	0.1	0.1%
95.1%	54.5	54.4	0.0	0.0%
96.3%	54.3	54.3	0.0	-0.1%
97.5%	54.1	54.1	0.0	0.0%
98.8%	54.0	54.0	0.0	0.0%
100.0%	53.5	53.2	-0.3	-0.5%

August to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.0	64.9	-2.1	-3.1%
1.2%	62.7	60.0	-2.7	-4.3%
2.5%	61.8	60.0	-1.9	-3.0%
3.7%	60.9	59.2	-1.7	-2.7%
4.9%	60.2	59.1	-1.1	-1.8%
6.2%	59.7	58.8	-0.9	-1.5%
7.4%	59.7	58.8	-0.9	-1.5%
8.6%	59.1	58.5	-0.6	-1.1%
9.9%	58.9	58.4	-0.5	-0.8%
11.1%	58.9	58.4	-0.5	-0.9%
12.3%	58.9	58.3	-0.6	-1.0%
13.6%	58.8	58.2	-0.6	-1.0%
14.8%	58.8	58.1	-0.7	-1.2%
16.0%	58.7	58.0	-0.7	-1.2%
17.3%	58.5	58.0	-0.5	-0.9%
18.5%	58.4	58.0	-0.4	-0.8%
19.8%	58.4	57.9	-0.5	-0.9%
21.0%	58.4	57.9	-0.6	-1.0%
22.2%	58.4	57.8	-0.5	-0.9%
23.5%	58.2	57.7	-0.5	-0.8%
24.7%	58.1	57.7	-0.4	-0.7%
25.9%	58.1	57.7	-0.4	-0.7%
27.2%	58.1	57.6	-0.4	-0.7%
28.4%	58.1	57.6	-0.4	-0.7%
29.6%	57.9	57.6	-0.3	-0.5%
30.9%	57.7	57.6	-0.1	-0.2%
32.1%	57.6	57.6	0.0	-0.1%
33.3%	57.6	57.5	-0.1	-0.1%
34.6%	57.3	57.5	0.2	0.3%
35.8%	57.3	57.2	-0.1	-0.2%
37.0%	57.3	57.2	-0.1	-0.2%
38.3%	57.1	57.1	0.1	0.1%
39.5%	57.0	57.0	0.0	0.0%
40.7%	57.0	57.0	0.0	0.0%
42.0%	56.9	56.9	0.0	-0.1%
43.2%	56.9	56.9	0.0	0.0%
44.4%	56.8	56.9	0.1	0.2%
45.7%	56.7	56.8	0.1	0.2%
46.9%	56.7	56.7	0.1	0.1%
48.1%	56.7	56.6	0.0	-0.1%
49.4%	56.6	56.6	0.0	-0.1%
50.6%	56.6	56.6	0.0	0.0%
51.9%	56.6	56.5	-0.1	-0.1%
53.1%	56.6	56.4	-0.2	-0.3%
54.3%	56.4	56.4	-0.1	-0.1%
55.6%	56.4	56.3	-0.2	-0.3%
56.8%	56.3	56.2	0.0	-0.1%
58.0%	56.2	56.2	0.0	0.0%
59.3%	56.2	56.2	0.0	0.0%
60.5%	56.2	56.2	0.0	0.0%
61.7%	56.1	56.1	0.0	0.1%
63.0%	56.1	56.1	0.0	0.1%
64.2%	56.0	56.1	0.1	0.2%
65.4%	55.9	56.1	0.1	0.2%
66.7%	55.9	56.0	0.1	0.2%
67.9%	55.8	55.9	0.1	0.1%
69.1%	55.8	55.9	0.1	0.2%
70.4%	55.7	55.9	0.1	0.3%
71.6%	55.6	55.8	0.3	0.5%
72.8%	55.5	55.8	0.3	0.5%
74.1%	55.5	55.8	0.3	0.5%
75.3%	55.5	55.8	0.3	0.5%
76.5%	55.5	55.8	0.3	0.5%
77.8%	55.5	55.7	0.3	0.5%
79.0%	55.4	55.7	0.3	0.5%
80.2%	55.4	55.7	0.3	0.6%
81.5%	55.3	55.6	0.3	0.5%
82.7%	55.3	55.6	0.3	0.6%
84.0%	55.2	55.6	0.3	0.6%
85.2%	55.1	55.3	0.3	0.5%
86.4%	55.0	55.0	0.0	-0.1%
87.7%	55.0	55.0	0.0	0.0%
88.9%	54.9	54.9	0.0	0.0%
90.1%	54.7	54.8	0.1	0.2%
91.4%	54.5	54.6	0.1	0.2%
92.6%	54.5	54.6	0.1	0.2%
93.8%	54.4	54.3	-0.1	-0.3%
95.1%	54.2	54.2	0.0	0.1%
96.3%	54.0	54.0	0.0	0.0%
97.5%	54.0	53.9	-0.1	-0.2%
98.8%	53.7	53.9	0.1	0.2%
100.0%	53.1	52.7	-0.4	-0.8%

Figure SQ6-1b
Sacramento River at Bend Bridge, Monthly Temperature
Probability of Exceedance

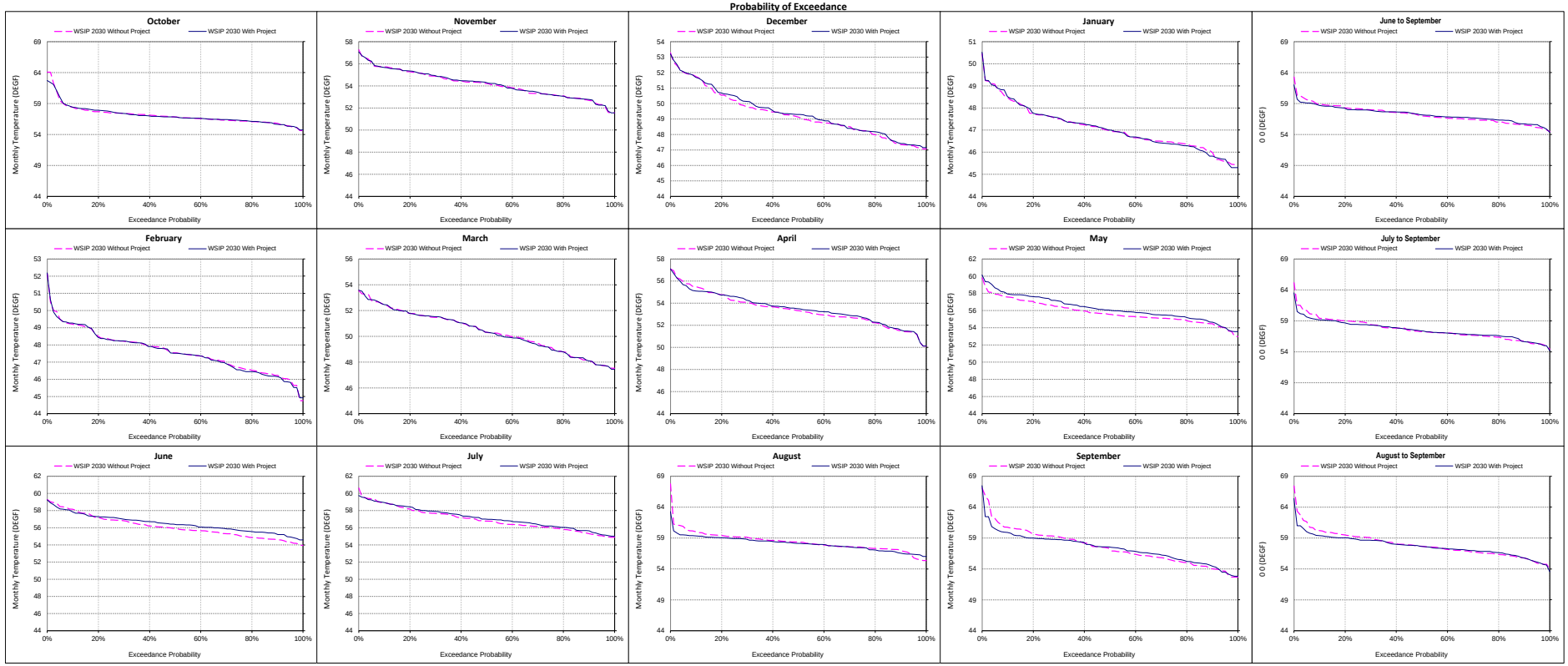


Table SQ6-1b

Sacramento River at Bend Bridge, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	64.1	62.7	-1.4	-2.1%
1.2%	64.1	62.4	-1.7	-2.6%
2.5%	62.2	62.1	-0.2	-0.2%
3.7%	60.9	61.0	0.1	0.2%
4.9%	59.5	60.0	0.5	0.9%
6.2%	59.0	59.1	0.0	0.0%
7.4%	58.7	58.8	0.1	0.2%
8.6%	58.5	58.6	0.1	0.1%
9.9%	58.4	58.4	0.0	-0.1%
11.1%	58.2	58.4	0.2	0.3%
12.3%	58.2	58.2	0.1	0.1%
13.6%	58.1	58.2	0.1	0.2%
14.8%	57.9	58.2	0.3	0.4%
16.0%	57.9	58.1	0.2	0.3%
17.3%	57.8	58.0	0.2	0.4%
18.5%	57.7	57.9	0.2	0.4%
19.8%	57.7	57.9	0.2	0.4%
21.0%	57.7	57.9	0.2	0.4%
22.2%	57.6	57.9	0.3	0.4%
23.5%	57.6	57.8	0.2	0.4%
24.7%	57.5	57.7	0.2	0.4%
25.9%	57.5	57.6	0.1	0.2%
27.2%	57.5	57.5	0.0	0.0%
28.4%	57.5	57.4	0.0	0.0%
29.6%	57.4	57.4	0.0	0.0%
30.9%	57.4	57.4	0.0	0.0%
32.1%	57.4	57.2	-0.1	-0.3%
33.3%	57.3	57.2	-0.1	-0.1%
34.6%	57.3	57.2	-0.1	-0.1%
35.8%	57.2	57.1	-0.2	-0.3%
37.0%	57.2	57.1	-0.2	-0.3%
38.3%	57.2	57.1	-0.2	-0.3%
39.5%	57.2	57.0	-0.1	-0.3%
40.7%	57.1	57.0	-0.1	-0.3%
42.0%	57.1	56.9	-0.2	-0.3%
43.2%	57.0	56.9	0.0	-0.1%
44.4%	57.0	56.9	-0.1	-0.1%
45.7%	57.0	56.8	-0.1	-0.2%
46.9%	56.9	56.8	-0.1	-0.2%
48.1%	56.9	56.8	0.0	0.0%
49.4%	56.8	56.8	0.0	0.0%
50.6%	56.8	56.8	0.0	-0.1%
51.9%	56.7	56.7	0.0	0.0%
53.1%	56.7	56.7	0.0	0.0%
54.3%	56.7	56.7	0.0	-0.1%
55.6%	56.7	56.7	0.0	0.0%
56.8%	56.7	56.6	0.0	-0.1%
58.0%	56.6	56.6	0.0	0.1%
59.3%	56.6	56.6	0.1	0.1%
60.5%	56.6	56.6	0.0	0.0%
61.7%	56.6	56.5	0.0	0.0%
63.0%	56.5	56.5	0.0	0.1%
64.2%	56.5	56.5	0.0	0.0%
65.4%	56.4	56.4	0.0	0.0%
66.7%	56.4	56.4	0.0	0.0%
67.9%	56.3	56.4	0.1	0.2%
69.1%	56.3	56.4	0.1	0.1%
70.4%	56.3	56.4	0.1	0.1%
71.6%	56.3	56.4	0.1	0.2%
72.8%	56.3	56.3	0.1	0.2%
74.1%	56.2	56.3	0.1	0.2%
75.3%	56.2	56.3	0.1	0.2%
76.5%	56.2	56.2	0.1	0.1%
77.8%	56.2	56.2	0.1	0.1%
79.0%	56.1	56.2	0.1	0.1%
80.2%	56.1	56.1	0.0	0.1%
81.5%	56.1	56.1	0.0	0.1%
82.7%	56.0	56.1	0.1	0.1%
84.0%	56.0	56.0	0.0	0.0%
85.2%	56.0	56.0	0.0	-0.1%
86.4%	55.9	55.9	0.0	0.0%
87.7%	55.9	55.9	0.0	0.0%
88.9%	55.9	55.7	-0.2	-0.4%
90.1%	55.8	55.6	-0.1	-0.3%
91.4%	55.6	55.6	0.0	0.1%
92.6%	55.4	55.6	0.1	0.3%
93.8%	55.4	55.3	-0.1	-0.2%
95.1%	55.3	55.3	0.0	0.0%
96.3%	55.1	55.3	0.1	0.3%
97.5%	55.1	55.1	0.0	0.0%
98.8%	54.6	54.7	0.1	0.2%
100.0%	54.6	54.7	0.0	0.2%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.3	57.1	-0.2	-0.3%
1.2%	56.7	56.7	0.0	0.1%
2.5%	56.6	56.6	0.0	0.0%
3.7%	56.4	56.3	-0.1	-0.2%
4.9%	56.1	56.3	0.2	0.3%
6.2%	55.8	55.8	0.1	0.1%
7.4%	55.7	55.8	0.0	0.1%
8.6%	55.7	55.7	0.0	-0.1%
9.9%	55.7	55.7	0.0	-0.1%
11.1%	55.7	55.7	-0.1	-0.1%
12.3%	55.6	55.6	-0.1	-0.1%
13.6%	55.6	55.5	-0.1	-0.1%
14.8%	55.5	55.5	0.0	0.0%
16.0%	55.5	55.5	0.0	-0.1%
17.3%	55.3	55.4	0.0	0.1%
18.5%	55.3	55.4	0.1	0.1%
19.8%	55.3	55.3	0.1	0.1%
21.0%	55.2	55.3	0.1	0.1%
22.2%	55.2	55.3	0.0	0.1%
23.5%	55.2	55.2	0.0	0.0%
24.7%	55.1	55.1	0.0	0.0%
25.9%	55.0	55.1	0.1	0.2%
27.2%	54.9	55.1	0.2	0.3%
28.4%	54.9	55.0	0.1	0.1%
29.6%	54.9	54.9	0.1	0.1%
30.9%	54.8	54.8	0.0	0.0%
32.1%	54.8	54.8	0.0	0.1%
33.3%	54.7	54.8	0.2	0.3%
34.6%	54.6	54.7	0.1	0.2%
35.8%	54.6	54.6	0.0	0.1%
37.0%	54.5	54.5	0.1	0.2%
38.3%	54.4	54.5	0.1	0.2%
39.5%	54.4	54.5	0.1	0.1%
40.7%	54.4	54.5	0.0	0.1%
42.0%	54.4	54.4	0.1	0.2%
43.2%	54.3	54.4	0.1	0.2%
44.4%	54.3	54.4	0.1	0.2%
45.7%	54.3	54.4	0.1	0.1%
46.9%	54.3	54.4	0.1	0.1%
48.1%	54.3	54.4	0.1	0.2%
49.4%	54.2	54.3	0.1	0.2%
50.6%	54.2	54.2	0.0	0.1%
51.9%	54.1	54.2	0.1	0.2%
53.1%	54.1	54.2	0.1	0.2%
54.3%	54.0	54.1	0.1	0.2%
55.6%	53.9	54.1	0.1	0.3%
56.8%	53.9	54.0	0.1	0.1%
58.0%	53.9	53.8	-0.1	-0.2%
59.3%	53.8	53.8	0.0	-0.1%
60.5%	53.8	53.7	-0.1	-0.1%
61.7%	53.8	53.6	-0.1	-0.2%
63.0%	53.7	53.6	-0.1	-0.2%
64.2%	53.6	53.6	0.0	-0.1%
65.4%	53.5	53.6	0.1	0.1%
66.7%	53.3	53.5	0.2	0.4%
67.9%	53.3	53.5	0.2	0.3%
69.1%	53.3	53.5	0.1	0.3%
70.4%	53.3	53.4	0.1	0.1%
71.6%	53.3	53.3	0.0	0.0%
72.8%	53.3	53.3	0.0	-0.1%
74.1%	53.2	53.2	0.0	0.0%
75.3%	53.2	53.2	0.0	0.0%
76.5%	53.2	53.1	-0.1	-0.1%
77.8%	53.1	53.1	0.0	0.0%
79.0%	53.1	53.1	0.0	0.0%
80.2%	53.1	53.1	0.0	-0.1%
81.5%	52.9	52.9	0.0	0.0%
82.7%	52.9	52.9	0.0	-0.1%
84.0%	52.9	52.9	0.0	-0.1%
85.2%	52.9	52.9	0.0	-0.1%
86.4%	52.9	52.8	0.0	-0.1%
87.7%	52.7	52.8	0.1	0.2%
88.9%	52.7	52.8	0.0	0.1%
90.1%	52.7	52.8	0.1	0.2%
91.4%	52.6	52.7	0.1	0.1%
92.6%	52.4	52.3	-0.1	-0.2%
93.8%	52.3	52.3	-0.1	-0.1%
95.1%	52.3	52.3	-0.1	-0.1%
96.3%	52.1	52.2	0.1	0.2%
97.5%	51.6	51.7	0.1	0.2%
98.8%	51.6	51.6	0.0	0.0%
100.0%	51.6	51.6	0.0	0.0%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.3	53.2	-0.1	-0.2%
1.2%	52.7	52.8	0.1	0.3%
2.5%	52.5	52.5	0.1	0.1%
3.7%	52.2	52.2	-0.1	-0.2%
4.9%	52.0	52.1	0.0	0.1%
6.2%	51.9	52.0	0.0	0.0%
7.4%	51.9	51.9	0.0	0.1%
8.6%	51.9	51.9	0.0	0.0%
9.9%	51.8	51.7	-0.1	-0.1%
11.1%	51.7	51.6	0.0	0.0%
12.3%	51.5	51.5	0.0	0.0%
13.6%	51.2	51.3	0.2	0.3%
14.8%	51.1	51.3	0.2	0.3%
16.0%	51.0	51.2	0.3	0.5%
17.3%	50.7	51.0	0.3	0.6%
18.5%	50.7	50.7	0.0	0.1%
19.8%	50.5	50.7	0.1	0.3%
21.0%	50.5	50.6	0.1	0.1%
22.2%	50.4	50.6	0.2	0.4%
23.5%	50.3	50.5	0.3	0.5%
24.7%	50.2	50.5	0.3	0.6%
25.9%	50.2	50.5	0.3	0.5%
27.2%	49.9	50.3	0.3	0.7%
28.4%	49.9	50.2	0.3	0.6%
29.6%	49.8	50.1	0.3	0.7%
30.9%	49.7	50.1	0.4	0.8%
32.1%	49.7	50.0	0.2	0.5%
33.3%	49.6	49.8	0.2	0.4%
34.6%	49.6	49.8	0.1	0.3%
35.8%	49.6	49.7	0.1	0.3%
37.0%	49.6	49.7	0.1	0.3%
38.3%	49.5	49.7	0.2	0.4%
39.5%	49.5	49.6	0.1	0.3%
40.7%	49.5	49.5	0.0	0.0%
42.0%	49.4	49.4	0.0	0.0%
43.2%	49.4	49.4	0.0	-0.1%
44.4%	49.3	49.4	0.1	0.2%
45.7%	49.3	49.4	0.1	0.2%
46.9%	49.2	49.3	0.1	0.2%
48.1%	49.2	49.3	0.1	0.2%
49.4%	49.2	49.3	0.1	0.3%
50.6%	49.1	49.3	0.2	0.4%
51.9%	49.0	49.3	0.3	0.6%
53.1%	49.0	49.2	0.3	0.5%
54.3%	48.9	49.2	0.3	0.6%
55.6%	48.8	49.2	0.4	0.8%
56.8%	48.8	49.0	0.2	0.5%
58.0%	48.8	49.0	0.2	0.3%
59.3%	48.8	48.9	0.2	0.4%
60.5%	48.7	48.9	0.1	0.3%
61.7%	48.7	48.9	0.1	0.3%
63.0%	48.7	48.7	0.0	0.0%
64.2%	48.7	48.7	0.0	0.0%
65.4%	48.7	48.7	0.0	0.0%
66.7%	48.6	48.6	0.0	0.1%
67.9%	48.6	48.6	0.0	0.1%
69.1%	48.5	48.4	-0.1	-0.3%
70.4%	48.5	48.4	-0.1	-0.2%
71.6%	48.3	48.4	0.1	0.1%
72.8%	48.3	48.3	0.0	0.1%
74.1%	48.3	48.3	0.0	0.0%
75.3%	48.2	48.2	0.0	-0.1%
76.5%	48.2	48.2	0.0	-0.1%
77.8%	48.2	48.2	0.0	0.0%
79.0%	48.0	48.2	0.2	0.4%
80.2%	48.0	48.2	0.2	0.4%
81.5%	47.9	48.1	0.2	0.4%
82.7%	47.8	48.1	0.3	0.6%
84.0%	47.8	48.0	0.3	0.6%
85.2%	47.6	47.8	0.2	0.3%
86.4%	47.6	47.6	0.0	-0.1%
87.7%	47.4	47.6	0.1	0.3%
88.9%	47.4	47.5	0.1	0.2%
90.1%	47.3	47.4	0.1	0.1%
91.4%	47.3	47.4	0.1	0.2%
92.6%	47.3	47.4	0.0	0.1%
93.8%	47.3	47.3	0.1	0.1%
95.1%	47.3	47.3	0.1	0.1%
96.3%	47.2	47.3	0.1	0.3%
97.5%	47.1	47.3	0.1	0.3%
98.8%	47.1	47.1	0.1	0.2%
100.0%	47.1	47.1	0.1	0.2%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	50.4	50.5	0.1	0.2%
1.2%	49.2	49.3	0.0	0.0%
2.5%	49.2	49.2	0.0	0.1%
3.7%	49.1	49.0	-0.1	-0.1%
4.9%	49.1	49.0	-0.1	-0.1%
6.2%	48.8	48.9	0.1	0.1%
7.4%	48.8	48.8	0.1	0.2%
8.6%	48.6	48.8	0.3	0.5%
9.9%	48.5	48.5	0.0	0.1%
11.1%	48.4	48.4	0.1	0.1%
12.3%	48.3	48.4	0.1	0.2%
13.6%	48.3	48.3	0.0	0.0%
14.8%	48.2	48.1	-0.1	-0.1%
16.0%	48.1	48.1	0.0	0.0%
17.3%	48.1	48.0	0.0	-0.1%
18.5%	47.8	48.0	0.2	0.4%
19.8%	47.8	47.8	0.0	0.0%
21.0%	47.7	47.7	0.0	0.0%
22.2%	47.7	47.7	0.0	0.0%
23.5%	47.7	47.7	0.0	0.0%
24.7%	47.7	47.7	0.0	0.0%
25.9%	47.6	47.6	0.0	0.0%
27.2%	47.6	47.6	0.0	0.0%
28.4%	47.5	47.6	0.1	0.1%
29.6%	47.5	47.6	0.0	0.1%
30.9%	47.5	47.5	0.0	0.0%
32.1%	47.4	47.4	0.0	0.0%
33.3%	47.4	47.4	0.0	-0.1%
34.6%	47.4	47.4	0.0	0.0%
35.8%	47.3	47.3	0.0	0.0%
37.0%	47.3	47.3	0.0	0.1%
38.3%	47.3	47.3	0.0	0.1%
39.5%	47.2	47.3	0.0	0.1%
40.7%	47.2	47.2	0.0	0.0%
42.0%	47.2	47.2	0.0	0.1%
43.2%	47.2	47.2	0.0	0.1%
44.4%	47.2	47.2	0.0	0.1%
45.7%	47.1	47.1	0.0	0.0%
46.9%	47.1	47.1	0.1	0.1%
48.1%	47.0	47.1	0.0	0.1%
49.4%	47.0	47.0	0.0	0.0%
50.6%	46.9	47.0	0.1	0.1%
51.9%	46.9	46.9	0.0	0.0%
53.1%	46.9	46.9	0.0	0.0%
54.3%	46.9	46.9	0.0	0.0%
55.6%	46.9	46.9	0.0	-0.1%
56.8%	46.8	46.7	0.0	-0.1%
58.0%	46.7	46.7	0.0	0.1%
59.3%	46.7	46.7	0.0	0.1%
60.5%	46.7	46.7	0.0	0.1%
61.7%	46.7	46.6	0.0	0.0%
63.0%	46.6	46.6	0.0	0.1%
64.2%	46.6	46.6	0.0	0.1%
65.4%	46.6	46.6	0.0	0.0%
66.7%	46.5	46.5	-0.1	-0.1%
67.9%	46.5	46.5	-0.1	-0.1%
69.1%	46.5	46.4	-0.1	-0.2%
70.4%	46.5	46.4	-0.1	-0.2%
71.6%	46.5	46.4	-0.1	-0.2%
72.8%	46.5	46.4	-0.1	-0.2%
74.1%	46.5	46.4	-0.1	-0.2%
75.3%	46.4	46.4	-0.1	-0.1%
76.5%	46.4	46.4	-0.1	-0.1%
77.8%	46.4	46.3	-0.1	-0.2%
79.0%	46.4	46.3	-0.1	-0.2%
80.2%	46.4	46.3	-0.1	-0.2%
81.5%	46.3	46.3	0.0	-0.1%
82.7%	46.3	46.3	0.0	-0.1%
84.0%	46.3	46.2	-0.1	-0.2%
85.2%	46.2	46.1	-0.1	-0.3%
86.4%	46.2	46.1	-0.2	-0.3%
87.7%	46.1	46.0	-0.1	-0.3%
88.9%	46.1	45.8	-0.3	-0.6%
90.1%	46.0	45.8	-0.2	-0.3%
91.4%	45.7	45.8	0.1	0.2%
92.6%	45.7	45.7	0.1	0.1%
93.8%	45.6	45.7	0.1	0.2%
95.1%	45.6	45.7	0.1	0.2%
96.3%	45.5	45.5	-0.1	-0.2%
97.5%	45.5	45.3	-0.2	-0.3%
98.8%	45.4	45.3	-0.1	-0.3%
100.0%	45.4	45.3	-0.1	-0.3%

Table SQ6-1b

Sacramento River at Bend Bridge, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.1	52.2	0.1	0.1%
1.2%	50.5	50.7	0.2	0.3%
2.5%	50.0	49.9	-0.1	-0.2%
3.7%	49.9	49.6	-0.3	-0.6%
4.9%	49.5	49.5	0.0	0.0%
6.2%	49.4	49.4	0.0	0.0%
7.4%	49.3	49.3	0.1	0.1%
8.6%	49.2	49.3	0.0	0.1%
9.9%	49.2	49.3	0.1	0.1%
11.1%	49.2	49.2	0.1	0.2%
12.3%	49.2	49.2	0.0	0.1%
13.6%	49.1	49.2	0.1	0.2%
14.8%	49.1	49.2	0.1	0.3%
16.0%	49.0	49.0	0.0	0.0%
17.3%	48.9	49.0	0.0	0.1%
18.5%	48.7	48.7	0.0	0.0%
19.8%	48.5	48.5	-0.1	-0.1%
21.0%	48.4	48.4	0.0	-0.1%
22.2%	48.4	48.4	0.0	0.0%
23.5%	48.4	48.3	-0.1	-0.1%
24.7%	48.3	48.3	0.0	0.0%
25.9%	48.3	48.3	0.0	-0.1%
27.2%	48.3	48.2	0.0	0.0%
28.4%	48.2	48.2	0.0	0.0%
29.6%	48.2	48.2	0.0	0.0%
30.9%	48.2	48.2	0.0	0.1%
32.1%	48.2	48.2	0.0	0.0%
33.3%	48.2	48.1	0.0	-0.1%
34.6%	48.2	48.1	0.0	0.0%
35.8%	48.1	48.1	0.0	-0.1%
37.0%	48.1	48.1	0.0	0.1%
38.3%	48.0	48.0	0.0	0.1%
39.5%	47.9	47.9	0.0	0.0%
40.7%	47.9	47.9	0.0	0.0%
42.0%	47.9	47.8	-0.1	-0.1%
43.2%	47.9	47.8	-0.1	-0.2%
44.4%	47.9	47.8	-0.1	-0.1%
45.7%	47.8	47.8	0.0	0.0%
46.9%	47.7	47.8	0.1	0.1%
48.1%	47.6	47.5	0.0	-0.1%
49.4%	47.5	47.5	0.0	-0.1%
50.6%	47.5	47.5	0.0	0.0%
51.9%	47.5	47.5	0.0	0.0%
53.1%	47.5	47.5	0.0	0.0%
54.3%	47.4	47.5	0.0	0.0%
55.6%	47.4	47.4	0.0	0.0%
56.8%	47.4	47.4	0.0	0.1%
58.0%	47.4	47.4	0.0	0.0%
59.3%	47.4	47.4	0.0	0.0%
60.5%	47.3	47.3	0.0	0.0%
61.7%	47.3	47.3	0.0	-0.1%
63.0%	47.3	47.2	0.0	0.0%
64.2%	47.2	47.1	0.0	-0.1%
65.4%	47.1	47.1	0.0	-0.1%
66.7%	47.1	47.1	-0.1	-0.1%
67.9%	47.1	47.0	-0.1	-0.2%
69.1%	47.1	47.0	-0.1	-0.2%
70.4%	46.9	46.9	0.0	0.0%
71.6%	46.8	46.8	-0.1	-0.1%
72.8%	46.7	46.7	-0.1	-0.2%
74.1%	46.7	46.6	-0.2	-0.3%
75.3%	46.7	46.6	-0.1	-0.3%
76.5%	46.6	46.5	-0.1	-0.3%
77.8%	46.6	46.4	-0.1	-0.3%
79.0%	46.6	46.4	-0.1	-0.3%
80.2%	46.5	46.4	-0.1	-0.2%
81.5%	46.5	46.4	-0.1	-0.1%
82.7%	46.4	46.4	0.0	-0.1%
84.0%	46.4	46.3	-0.1	-0.2%
85.2%	46.4	46.2	-0.1	-0.2%
86.4%	46.3	46.2	-0.1	-0.3%
87.7%	46.3	46.2	-0.1	-0.3%
88.9%	46.2	46.2	-0.1	-0.1%
90.1%	46.2	46.1	-0.1	-0.2%
91.4%	46.1	46.1	0.0	0.0%
92.6%	46.0	45.9	-0.2	-0.4%
93.8%	46.0	45.9	-0.2	-0.4%
95.1%	46.0	45.8	-0.1	-0.3%
96.3%	45.6	45.5	-0.1	-0.3%
97.5%	45.6	45.5	-0.1	-0.3%
98.8%	44.8	44.9	0.2	0.4%
100.0%	44.8	44.9	0.2	0.4%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.5	53.6	0.0	0.0%
1.2%	53.3	53.5	0.2	0.4%
2.5%	53.3	53.1	-0.2	-0.3%
3.7%	53.3	52.9	-0.4	-0.8%
4.9%	52.8	52.8	0.1	0.1%
6.2%	52.7	52.8	0.1	0.2%
7.4%	52.7	52.7	0.0	0.1%
8.6%	52.6	52.6	0.0	-0.1%
9.9%	52.4	52.5	0.1	0.1%
11.1%	52.4	52.4	0.0	0.1%
12.3%	52.2	52.3	0.1	0.1%
13.6%	52.2	52.1	-0.1	-0.2%
14.8%	52.1	52.0	-0.1	-0.1%
16.0%	52.0	52.0	0.0	-0.1%
17.3%	52.0	52.0	0.0	0.0%
18.5%	51.9	52.0	0.1	0.2%
19.8%	51.8	51.8	0.0	0.0%
21.0%	51.8	51.7	0.0	0.0%
22.2%	51.8	51.7	-0.1	-0.2%
23.5%	51.6	51.6	0.0	0.0%
24.7%	51.6	51.6	0.0	0.0%
25.9%	51.6	51.6	0.0	0.0%
27.2%	51.5	51.6	0.1	0.1%
28.4%	51.5	51.5	0.1	0.1%
29.6%	51.5	51.5	0.1	0.1%
30.9%	51.5	51.5	0.1	0.1%
32.1%	51.5	51.5	0.0	0.0%
33.3%	51.4	51.4	0.0	0.0%
34.6%	51.3	51.3	0.0	0.0%
35.8%	51.3	51.3	0.0	0.1%
37.0%	51.3	51.3	0.0	0.0%
38.3%	51.1	51.1	0.0	0.0%
39.5%	51.1	51.1	0.0	0.0%
40.7%	51.0	51.0	0.0	0.1%
42.0%	50.9	51.0	0.0	0.1%
43.2%	50.8	50.8	0.0	0.0%
44.4%	50.8	50.8	0.0	0.0%
45.7%	50.8	50.8	0.0	0.0%
46.9%	50.6	50.5	0.0	-0.1%
48.1%	50.5	50.5	0.0	-0.1%
49.4%	50.3	50.3	0.0	0.0%
50.6%	50.3	50.3	0.0	0.0%
51.9%	50.3	50.3	0.0	0.0%
53.1%	50.3	50.2	0.0	-0.1%
54.3%	50.2	50.1	-0.2	-0.3%
55.6%	50.2	50.0	-0.1	-0.2%
56.8%	50.1	50.0	-0.1	-0.3%
58.0%	50.1	49.9	-0.1	-0.3%
59.3%	50.0	49.9	-0.1	-0.2%
60.5%	49.9	49.9	-0.1	-0.2%
61.7%	49.9	49.9	-0.1	-0.2%
63.0%	49.9	49.8	-0.1	-0.1%
64.2%	49.8	49.7	-0.1	-0.2%
65.4%	49.8	49.6	-0.1	-0.3%
66.7%	49.6	49.5	-0.1	-0.1%
67.9%	49.6	49.5	-0.1	-0.3%
69.1%	49.5	49.4	-0.1	-0.3%
70.4%	49.4	49.3	-0.1	-0.3%
71.6%	49.3	49.2	0.0	0.0%
72.8%	49.3	49.2	-0.1	-0.2%
74.1%	49.1	49.2	0.0	0.0%
75.3%	49.1	48.9	-0.2	-0.4%
76.5%	48.9	48.9	0.0	0.0%
77.8%	48.9	48.8	0.0	0.0%
79.0%	48.8	48.8	0.0	0.0%
80.2%	48.8	48.8	0.0	0.0%
81.5%	48.8	48.6	-0.1	-0.2%
82.7%	48.4	48.4	-0.1	-0.1%
84.0%	48.4	48.4	0.0	0.0%
85.2%	48.3	48.4	0.0	0.1%
86.4%	48.3	48.3	0.0	0.1%
87.7%	48.2	48.3	0.2	0.3%
88.9%	48.2	48.1	0.0	0.0%
90.1%	48.1	48.1	0.0	-0.1%
91.4%	48.0	48.1	0.0	0.1%
92.6%	47.8	47.8	0.0	0.0%
93.8%	47.8	47.8	0.0	0.0%
95.1%	47.7	47.8	0.0	0.1%
96.3%	47.7	47.7	0.0	0.0%
97.5%	47.7	47.7	0.0	0.0%
98.8%	47.5	47.4	-0.1	-0.2%
100.0%	47.5	47.4	-0.1	-0.2%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.1	57.1	0.0	0.0%
1.2%	56.9	56.7	-0.2	-0.4%
2.5%	56.3	56.3	0.0	0.0%
3.7%	56.2	56.0	-0.2	-0.4%
4.9%	56.0	55.7	-0.3	-0.5%
6.2%	55.8	55.6	-0.2	-0.3%
7.4%	55.7	55.3	-0.5	-0.8%
8.6%	55.5	55.1	-0.4	-0.7%
9.9%	55.5	55.1	-0.4	-0.7%
11.1%	55.4	55.1	-0.3	-0.6%
12.3%	55.3	55.1	-0.3	-0.5%
13.6%	55.2	55.1	-0.1	-0.3%
14.8%	55.0	55.0	0.1	0.1%
16.0%	55.0	55.0	0.1	0.1%
17.3%	54.9	54.9	0.0	0.0%
18.5%	54.8	54.8	0.0	0.0%
19.8%	54.8	54.7	0.0	0.0%
21.0%	54.8	54.7	0.0	0.0%
22.2%	54.5	54.7	0.2	0.4%
23.5%	54.3	54.6	0.3	0.6%
24.7%	54.2	54.6	0.4	0.7%
25.9%	54.2	54.6	0.3	0.6%
27.2%	54.1	54.5	0.4	0.7%
28.4%	54.1	54.5	0.4	0.7%
29.6%	54.1	54.3	0.2	0.4%
30.9%	54.0	54.2	0.2	0.3%
32.1%	54.0	54.0	0.1	0.2%
33.3%	53.8	54.0	0.2	0.3%
34.6%	53.8	54.0	0.2	0.4%
35.8%	53.7	54.0	0.2	0.4%
37.0%	53.7	54.0	0.3	0.5%
38.3%	53.7	53.8	0.2	0.3%
39.5%	53.7	53.7	0.1	0.1%
40.7%	53.6	53.7	0.1	0.2%
42.0%	53.6	53.7	0.1	0.2%
43.2%	53.5	53.7	0.1	0.3%
44.4%	53.5	53.7	0.2	0.3%
45.7%	53.5	53.6	0.1	0.2%
46.9%	53.4	53.6	0.1	0.2%
48.1%	53.4	53.5	0.1	0.3%
49.4%	53.3	53.5	0.2	0.3%
50.6%	53.3	53.5	0.2	0.3%
51.9%	53.2	53.4	0.2	0.3%
53.1%	53.2	53.4	0.2	0.3%
54.3%	53.2	53.4	0.2	0.4%
55.6%	53.0	53.3	0.3	0.6%
56.8%	53.0	53.3	0.3	0.5%
58.0%	53.0	53.2	0.3	0.5%
59.3%	52.9	53.2	0.3	0.5%
60.5%	52.9	53.2	0.3	0.6%
61.7%	52.9	53.2	0.3	0.6%
63.0%	52.8	53.1	0.3	0.6%
64.2%	52.8	53.1	0.3	0.5%
65.4%	52.8	53.0	0.3	0.5%
66.7%	52.8	53.0	0.3	0.5%
67.9%	52.8	53.0	0.2	0.4%
69.1%	52.7	52.9	0.2	0.4%
70.4%	52.7	52.9	0.2	0.3%
71.6%	52.7	52.9	0.2	0.4%
72.8%	52.6	52.9	0.2	0.4%
74.1%	52.6	52.8	0.2	0.3%
75.3%	52.6	52.7	0.1	0.1%
76.5%	52.5	52.6	0.1	0.3%
77.8%	52.5	52.5	0.0	0.1%
79.0%	52.2	52.3	0.1	0.1%
80.2%	52.2	52.3	0.0	0.1%
81.5%	52.2	52.3	0.1	0.2%
82.7%	52.0	52.1	0.1	0.1%
84.0%	51.9	52.0	0.2	0.4%
85.2%	51.7	51.8	0.1	0.2%
86.4%	51.7	51.8	0.1	0.2%
87.7%	51.7	51.7	0.0	0.0%
88.9%	51.5	51.7	0.2	0.3%
90.1%	51.5	51.6	0.0	0.1%
91.4%	51.4	51.5	0.1	0.1%
92.6%	51.4	51.5	0.1	0.1%
93.8%	51.4	51.5	0.1	0.1%
95.1%	51.4	51.4	0.1	0.1%
96.3%	51.2	51.2	0.0	0.0%
97.5%	50.4	50.4	0.0	0.0%
98.8%	50.1	50.1	0.0	0.0%
100.0%	50.1	50.1	0.0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	59.8	60.1	0.3	0.5%
1.2%	58.8	59.3	0.5	0.9%
2.5%	58.1	59.3	1.2	2.1%
3.7%	58.1	59.1	0.9	1.6%
4.9%	57.9	58.7	0.8	1.3%
6.2%	57.9	58.5	0.6	1.1%
7.4%	57.8	58.2	0.5	0.8%
8.6%	57.6	58.1	0.5	0.9%
9.9%	57.6	57.9	0.4	0.6%
11.1%	57.5	57.9	0.3	0.6%
12.3%	57.5	57.8	0.4	0.6%
13.6%	57.3	57.8	0.5	0.9%
14.8%	57.2	57.8	0.6	1.1%
16.0%	57.2	57.8	0.6	1.1%
17.3%	57.1	57.7	0.6	1.0%
18.5%	57.1	57.7	0.6	1.0%
19.8%	57.1	57.6	0.6	1.0%
21.0%	56.9	57.6	0.7	1.3%
22.2%	56.9	57.6	0.7	1.3%
23.5%	56.8	57.5	0.7	1.2%
24.7%	56.7	57.4	0.7	1.3%
25.9%	56.7	57.4	0.7	1.3%
27.2%	56.6	57.2	0.6	1.0%
28.4%	56.5	57.2	0.7	1.2%
29.6%	56.5	57.1	0.7	1.2%
30.9%	56.5	57.1	0.6	1.1%
32.1%	56.3	56.8	0.5	0.9%
33.3%	56.3	56.8	0.5	0.8%
34.6%	56.3	56.7	0.5	0.8%
35.8%	56.1	56.7	0.6	1.0%
37.0%	56.0	56.6	0.6	1.1%
38.3%	56.0	56.5	0.4	0.8%
39.5%	55.9	56.5	0.5	0.9%
40.7%	55.9	56.4	0.5	0.9%
42.0%	55.8	56.3	0.6	1.0%
43.2%	55.7	56.3	0.6	1.0%
44.4%	55.7	56.2	0.5	0.9%
45.7%	55.7	56.1	0.5	0.8%
46.9%	55.7	56.1	0.5	0.8%
48.1%	55.6	56.1	0.4	0.8%
49.4%	55.6	56.1	0.5	0.9%
50.6%	55.5	56.0	0.5	0.8%
51.9%	55.5	56.0	0.5	0.9%
53.1%	55.5	56.0	0.5	1.0%
54.3%	55.4	55.9	0.5	1.0%
55.6%	55.4	55.9	0.5	1.0%
56.8%	55.3	55.9	0.5	1.0%
58.0%	55.3	55.9	0.5	1.0%
59.3%	55.3	55.8	0.5	0.9%
60.5%	55.3	55.8	0.5	0.9%
61.7%	55.3	55.7	0.5	0.9%
63.0%	55.2	55.7	0.5	0.9%
64.2%	55.2	55.7	0.5	0.9%
65.4%	55.2	55.6	0.5	0.8%
66.7%	55.2	55.5	0.4	0.7%
67.9%	55.1	55.5	0.4	0.6%
69.1%	55.1	55.5	0.4	0.7%
70.4%	55.1	55.5	0.4	0.7%
71.6%	55.1	55.5	0.4	0.7%
72.8%	55.1	55.5	0.4	0.7%
74.1%	55.1	55.4	0.4	0.7%
75.3%	55.0	55.4	0.3	0.6%
76.5%	55.0	55.3	0.3	0.6%
77.8%	55.0	55.3	0.3	0.6%
79.0%	55.0	55.3	0.3	0.6%
80.2%	54.8	55.2	0.4	0.7%
81.5%	54.7	55.1	0.4	0.6%
82.7%	54.7	55.0	0.4	0.7%
84.0%	54.6	55.0	0.4	0.7%
85.2%	54.6	55.0	0.4	0.7%
86.4%	54.6	55.0	0.4	0.7%
87.7%	54.5	54.8	0.3	0.6%
88.9%	54.5	54.7	0.2	0.3%
90.1%	54.5	54.7	0.2	0.4%
91.4%	54.2	54.5	0.3	0.5%
92.6%	54.1	54.3	0.2	0.3%
93.8%	54.1	54.1	0.0	0.0%
95.1%	54.0	54.0	0.0	0.1%
96.3%	53.6	53.7	0.1	0.1%
97.5%	53.6	53.6	0.0	0.0%
98.8%	53.0	53.6	0.6	1.1%
100.0%	53.0	53.6	0.6	1.1%

Table SQ6-1b

Sacramento River at Bend Bridge, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	59.3	59.2	0.0	-0.1%
1.2%	59.0	58.9	-0.1	-0.2%
2.5%	58.9	58.7	-0.2	-0.4%
3.7%	58.8	58.4	-0.4	-0.7%
4.9%	58.5	58.2	-0.3	-0.4%
6.2%	58.4	58.1	-0.3	-0.5%
7.4%	58.4	58.1	-0.3	-0.4%
8.6%	58.2	58.1	-0.1	-0.2%
9.9%	58.2	57.8	-0.3	-0.5%
11.1%	58.0	57.7	-0.3	-0.6%
12.3%	57.8	57.7	-0.1	-0.2%
13.6%	57.7	57.7	0.0	0.0%
14.8%	57.7	57.6	-0.1	-0.2%
16.0%	57.7	57.4	-0.3	-0.5%
17.3%	57.4	57.4	-0.1	-0.1%
18.5%	57.2	57.3	0.1	0.1%
19.8%	57.2	57.3	0.1	0.2%
21.0%	57.1	57.3	0.2	0.3%
22.2%	57.0	57.3	0.3	0.5%
23.5%	57.0	57.2	0.3	0.5%
24.7%	56.9	57.2	0.3	0.5%
25.9%	56.9	57.2	0.3	0.5%
27.2%	56.9	57.1	0.3	0.5%
28.4%	56.9	57.1	0.2	0.3%
29.6%	56.8	57.0	0.2	0.3%
30.9%	56.8	56.9	0.2	0.3%
32.1%	56.6	56.9	0.3	0.5%
33.3%	56.6	56.9	0.3	0.6%
34.6%	56.5	56.9	0.4	0.7%
35.8%	56.4	56.9	0.5	0.8%
37.0%	56.4	56.8	0.4	0.7%
38.3%	56.3	56.7	0.4	0.7%
39.5%	56.2	56.7	0.5	0.9%
40.7%	56.2	56.7	0.5	0.9%
42.0%	56.2	56.7	0.5	1.0%
43.2%	56.1	56.6	0.5	0.9%
44.4%	56.1	56.5	0.5	0.8%
45.7%	56.1	56.5	0.4	0.8%
46.9%	56.0	56.5	0.4	0.8%
48.1%	56.0	56.4	0.4	0.8%
49.4%	55.9	56.4	0.5	0.8%
50.6%	55.9	56.4	0.5	0.8%
51.9%	55.8	56.4	0.6	1.0%
53.1%	55.8	56.3	0.6	1.0%
54.3%	55.7	56.3	0.6	1.0%
55.6%	55.7	56.3	0.6	1.0%
56.8%	55.7	56.3	0.6	1.1%
58.0%	55.7	56.2	0.6	1.0%
59.3%	55.7	56.1	0.4	0.8%
60.5%	55.6	56.1	0.4	0.8%
61.7%	55.6	56.1	0.4	0.7%
63.0%	55.6	56.1	0.5	0.9%
64.2%	55.5	56.0	0.5	0.9%
65.4%	55.5	56.0	0.5	0.9%
66.7%	55.5	56.0	0.5	0.9%
67.9%	55.3	56.0	0.6	1.1%
69.1%	55.3	55.9	0.6	1.1%
70.4%	55.3	55.9	0.6	1.0%
71.6%	55.3	55.9	0.6	1.0%
72.8%	55.2	55.8	0.6	1.0%
74.1%	55.2	55.7	0.5	1.0%
75.3%	55.1	55.7	0.6	1.1%
76.5%	55.0	55.6	0.7	1.2%
77.8%	55.0	55.6	0.6	1.1%
79.0%	54.9	55.6	0.7	1.3%
80.2%	54.9	55.6	0.7	1.3%
81.5%	54.8	55.5	0.7	1.2%
82.7%	54.8	55.5	0.7	1.3%
84.0%	54.8	55.5	0.7	1.3%
85.2%	54.7	55.5	0.7	1.4%
86.4%	54.7	55.4	0.7	1.3%
87.7%	54.7	55.4	0.7	1.3%
88.9%	54.7	55.4	0.7	1.3%
90.1%	54.6	55.2	0.6	1.1%
91.4%	54.6	55.2	0.6	1.1%
92.6%	54.5	55.2	0.7	1.3%
93.8%	54.3	55.0	0.6	1.2%
95.1%	54.3	54.9	0.6	1.1%
96.3%	54.2	54.8	0.6	1.2%
97.5%	54.2	54.7	0.6	1.0%
98.8%	54.0	54.6	0.6	1.1%
100.0%	54.0	54.6	0.6	1.1%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.6	59.7	-0.9	-1.5%
1.2%	59.7	59.6	-0.1	-0.1%
2.5%	59.5	59.5	0.0	0.0%
3.7%	59.4	59.3	-0.1	-0.2%
4.9%	59.4	59.2	-0.1	-0.2%
6.2%	59.3	59.1	-0.2	-0.4%
7.4%	59.0	59.1	0.0	0.0%
8.6%	58.9	59.0	0.0	0.1%
9.9%	58.9	58.9	0.0	0.0%
11.1%	58.8	58.9	0.0	0.0%
12.3%	58.7	58.7	0.0	0.0%
13.6%	58.7	58.7	0.0	0.0%
14.8%	58.6	58.6	0.0	-0.1%
16.0%	58.4	58.6	0.2	0.3%
17.3%	58.3	58.5	0.2	0.3%
18.5%	58.2	58.5	0.2	0.4%
19.8%	58.2	58.5	0.3	0.4%
21.0%	58.0	58.4	0.4	0.6%
22.2%	58.0	58.1	0.1	0.2%
23.5%	58.0	58.1	0.1	0.2%
24.7%	57.8	58.0	0.2	0.4%
25.9%	57.7	58.0	0.3	0.5%
27.2%	57.7	57.9	0.2	0.4%
28.4%	57.7	57.9	0.2	0.4%
29.6%	57.7	57.9	0.2	0.4%
30.9%	57.6	57.9	0.2	0.4%
32.1%	57.6	57.8	0.2	0.3%
33.3%	57.6	57.8	0.2	0.3%
34.6%	57.6	57.7	0.2	0.3%
35.8%	57.5	57.6	0.2	0.3%
37.0%	57.4	57.6	0.2	0.3%
38.3%	57.2	57.6	0.3	0.6%
39.5%	57.2	57.5	0.3	0.6%
40.7%	57.2	57.4	0.2	0.3%
42.0%	57.1	57.4	0.2	0.4%
43.2%	57.1	57.3	0.2	0.4%
44.4%	57.1	57.2	0.1	0.2%
45.7%	57.0	57.2	0.2	0.4%
46.9%	56.8	57.2	0.4	0.6%
48.1%	56.8	57.0	0.2	0.3%
49.4%	56.8	57.0	0.2	0.4%
50.6%	56.8	57.0	0.2	0.4%
51.9%	56.8	57.0	0.2	0.4%
53.1%	56.8	57.0	0.2	0.3%
54.3%	56.6	56.9	0.4	0.6%
55.6%	56.5	56.9	0.4	0.8%
56.8%	56.5	56.8	0.3	0.6%
58.0%	56.4	56.8	0.4	0.7%
59.3%	56.4	56.8	0.4	0.7%
60.5%	56.4	56.7	0.3	0.6%
61.7%	56.3	56.7	0.3	0.6%
63.0%	56.3	56.7	0.3	0.6%
64.2%	56.3	56.6	0.4	0.6%
65.4%	56.3	56.6	0.3	0.6%
66.7%	56.2	56.6	0.4	0.7%
67.9%	56.2	56.5	0.3	0.5%
69.1%	56.2	56.5	0.3	0.5%
70.4%	56.2	56.4	0.2	0.4%
71.6%	56.1	56.3	0.2	0.3%
72.8%	56.1	56.2	0.1	0.3%
74.1%	56.1	56.2	0.1	0.3%
75.3%	56.1	56.2	0.1	0.3%
76.5%	55.9	56.1	0.2	0.4%
77.8%	55.9	56.1	0.2	0.3%
79.0%	55.9	56.1	0.2	0.4%
80.2%	55.8	56.0	0.2	0.4%
81.5%	55.8	56.0	0.2	0.4%
82.7%	55.7	55.9	0.2	0.4%
84.0%	55.7	55.9	0.2	0.4%
85.2%	55.6	55.7	0.1	0.2%
86.4%	55.5	55.7	0.1	0.2%
87.7%	55.4	55.7	0.3	0.5%
88.9%	55.4	55.7	0.3	0.5%
90.1%	55.3	55.6	0.3	0.6%
91.4%	55.2	55.5	0.2	0.4%
92.6%	55.2	55.4	0.2	0.3%
93.8%	55.1	55.3	0.2	0.3%
95.1%	55.1	55.2	0.1	0.2%
96.3%	55.0	55.1	0.2	0.3%
97.5%	54.9	55.1	0.2	0.3%
98.8%	54.9	55.0	0.1	0.2%
100.0%	54.9	55.0	0.1	0.2%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.8	63.3	-4.5	-6.7%
1.2%	61.2	60.2	-1.1	-1.8%
2.5%	61.1	59.8	-1.3	-2.1%
3.7%	61.0	59.5	-1.5	-2.5%
4.9%	60.9	59.5	-1.4	-2.2%
6.2%	60.4	59.5	-0.9	-1.5%
7.4%	60.2	59.4	-0.8	-1.3%
8.6%	60.2	59.4	-0.8	-1.3%
9.9%	60.0	59.3	-0.7	-1.1%
11.1%	59.9	59.3	-0.6	-1.0%
12.3%	59.9	59.3	-0.6	-0.9%
13.6%	59.6	59.2	-0.5	-0.8%
14.8%	59.6	59.2	-0.5	-0.8%
16.0%	59.5	59.1	-0.4	-0.7%
17.3%	59.5	59.1	-0.4	-0.7%
18.5%	59.5	59.1	-0.4	-0.6%
19.8%	59.4	59.1	-0.4	-0.7%
21.0%	59.3	59.0	-0.3	-0.5%
22.2%	59.3	59.0	-0.3	-0.5%
23.5%	59.2	59.0	-0.3	-0.5%
24.7%	59.2	58.9	-0.3	-0.5%
25.9%	59.2	58.9	-0.3	-0.4%
27.2%	59.2	58.9	-0.3	-0.4%
28.4%	59.2	58.9	-0.3	-0.5%
29.6%	59.1	58.8	-0.3	-0.5%
30.9%	59.0	58.7	-0.4	-0.7%
32.1%	58.9	58.7	-0.2	-0.4%
33.3%	58.9	58.6	-0.3	-0.5%
34.6%	58.9	58.5	-0.3	-0.5%
35.8%	58.8	58.5	-0.2	-0.4%
37.0%	58.7	58.5	-0.2	-0.4%
38.3%	58.6	58.5	-0.1	-0.2%
39.5%	58.6	58.5	-0.1	-0.2%
40.7%	58.6	58.4	-0.2	-0.3%
42.0%	58.6	58.4	-0.2	-0.4%
43.2%	58.5	58.3	-0.2	-0.3%
44.4%	58.5	58.3	-0.1	-0.2%
45.7%	58.5	58.3	-0.2	-0.3%
46.9%	58.4	58.3	-0.1	-0.2%
48.1%	58.4	58.2	-0.2	-0.3%
49.4%	58.4	58.1	-0.2	-0.4%
50.6%	58.3	58.1	-0.2	-0.3%
51.9%	58.3	58.1	-0.2	-0.4%
53.1%	58.2	58.1	-0.1	-0.1%
54.3%	58.1	58.0	-0.1	-0.2%
55.6%	58.1	58.0	-0.1	-0.1%
56.8%	58.0	58.0	0.0	0.0%
58.0%	57.9	58.0	0.1	0.1%
59.3%	57.9	57.9	0.1	0.1%
60.5%	57.9	57.9	0.1	0.1%
61.7%	57.8	57.8	0.0	0.0%
63.0%	57.8	57.7	0.0	0.0%
64.2%	57.7	57.7	0.0	-0.1%
65.4%	57.6	57.7	0.1	0.1%
66.7%	57.6	57.7	0.1	0.1%
67.9%	57.6	57.6	0.0	0.0%
69.1%	57.6	57.6	0.0	0.0%
70.4%	57.6	57.5	0.0	-0.1%
71.6%	57.6	57.5	-0.1	-0.1%
72.8%	57.6	57.5	-0.1	-0.2%
74.1%	57.6	57.5	-0.1	-0.2%
75.3%	57.4	57.4	0.0	0.0%
76.5%	57.4	57.4	0.0	0.0%
77.8%	57.4	57.1	-0.3	-0.5%
79.0%	57.3	57.1	-0.2	-0.4%
80.2%	57.3	57.0	-0.3	-0.5%
81.5%	57.3	56.9	-0.4	-0.6%
82.7%	57.3	56.9	-0.3	-0.6%
84.0%	57.3	56.9	-0.4	-0.6%
85.2%	57.2	56.9	-0.4	-0.6%
86.4%	57.2	56.9	-0.3	-0.5%
87.7%	57.2	56.8	-0.3	-0.6%
88.9%	57.1	56.6	-0.5	-0.9%
90.1%	57.0	56.5	-0.4	-0.7%
91.4%	56.8	56.5	-0.4	-0.6%
92.6%	56.7	56.4	-0.3	-0.5%
93.8%	56.5	56.4	0.0	-0.1%
95.1%	55.8	56.4	0.6	1.0%
96.3%	55.6	56.3	0.7	1.3%
97.5%	55.5	56.3	0.8	1.4%
98.8%	55.4	56.0	0.7	1.2%
100.0%	55.4	56.0	0.7	1.2%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.1	67.5	0.4	0.6%
1.2%	65.8	62.5	-3.4	-5.1%
2.5%	65.1	62.4	-2.7	-4.1%
3.7%	62.5	60.9	-1.6	-2.6%
4.9%	62.2	60.5	-1.7	-2.7%
6.2%	61.6	60.3	-1.3	-2.1%
7.4%	61.2	60.0	-1.1	-1.9%
8.6%	60.8	59.9	-0.8	-1.4%
9.9%	60.8	59.9	-0.8	-1.4%
11.1%	60.6	59.8	-0.8	-1.4%
12.3%	60.6	59.5	-1.1	-1.8%
13.6%	60.5	59.4	-1.1	-1.8%
14.8%	60.4	59.4	-1.1	-1.8%
16.0%	60.3	59.2	-1.1	-1.8%
17.3%	60.3	59.1	-1.2	-2.0%
18.5%	60.0	59.0	-1.0	-1.6%
19.8%	59.7	59.0	-0.6	-1.1%
21.0%	59.6	58.9	-0.6	-1.1%
22.2%	59.5	58.9	-0.6	-0.9%
23.5%	59.4	58.9	-0.5	-0.9%
24.7%	59.4	58.8	-0.5	-0.9%
25.9%	59.4	58.8	-0.5	-0.9%
27.2%	59.3	58.8	-0.5	-0.9%
28.4%	59.3	58.8	-0.5	-0.8%
29.6%	59.2	58.8	-0.5	-0.8%
30.9%	59.1	58.7	-0.4	-0.6%
32.1%	59.0	58.7	-0.3	-0.5%
33.3%	58.8	58.7	-0.2	-0.3%
34.6%	58.8	58.6	-0.2	-0.3%
35.8%	58.8	58.5	-0.3	-0.5%
37.0%	58.5	58.4	-0.1	-0.1%
38.3%	58.4	58.4	-0.1	-0.1%
39.5%	58.2	58.4	0.1	0.2%
40.7%	58.2	58.0	-0.2	-0.4%
42.0%	58.0	58.0	0.0	0.0%
43.2%	57.6	57.8	0.2	0.3%
44.4%	57.6	57.6	0.0	0.0%
45.7%	57.6	57.6	0.0	0.0%
46.9%	57.5	57.6	0.1	0.1%
48.1%	57.5	57.6	0.1	0.2%
49.4%	57.4	57.6	0.2	0.3%
50.6%	56.9	57.5	0.6	1.0%
51.9%	56.9	57.4	0.5	0.9%
53.1%	56.8	57.4	0.6	1.1%
54.3%	56.8	57.3	0.5	0.8%
55.6%	56.8	57.2	0.5	0.8%
56.8%	56.7	56.9	0.2	0.4%
58.0%	56.5	56.9	0.4	0.8%
59.3%	56.4	56.9	0.5	0.9%
60.5%	56.3	56.8	0.5	0.9%
61.7%	56.2	56.7	0.5	0.8%
63.0%	56.2	56.6	0.5	0.8%
64.2%	56.1	56.6	0.5	0.8%
65.4%	56.1	56.5	0.4	0.8%
66.7%	56.0	56.4	0.5	0.9%
67.9%	55.9	56.4	0.5	0.9%
69.1%	55.8	56.4	0.5	0.9%
70.4%	55.8	56.2	0.4	0.8%
71.6%	55.7	56.2	0.5	0.8%
72.8%	55.5	56.1	0.5	0.9%
74.1%	55.4	55.8	0.4	0.7%
75.3%	55.3	55.7	0.4	0.7%
76.5%	55.3	55.5	0.3	0.5%
77.8%	55.1	55.5	0.4	0.7%
79.0%	55.1	55.4	0.3	0.5%
80.2%	55.0	55.2	0.2	0.3%
81.5%	54.9	55.2	0.2	0.4%
82.7%	54.6	55.0	0.5	0.9%
84.0%	54.6	55.0	0.4	0.8%
85.2%	54.5	54.9	0.4	0.8%
86.4%	54.4	54.8	0.4	0.7%
87.7%	54.4	54.8	0.4	0.7%
88.9%	54.1	54.6	0.5	1.0%
90.1%	54.0	54.4	0.4	0.8%
91.4%	54.0	54.3	0.3	0.6%
92.6%	53.9	54.0	0.0	0.1%
93.8%	53.7	53.5	-0.2	-0.4%
95.1%	53.6	53.5	-0.2	-0.3%
96.3%	53.0	53.2	0.2	0.3%
97.5%	52.7	53.0	0.3	0.5%
98.8%	52.7	52.8	0.1	0.2%
100.0%	52.7	52.8	0.1	0.2%

Table SQ6-1b

Sacramento River at Bend Bridge, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	63.3	62.0	-1.2	-2.0%
1.2%	60.3	59.7	-0.6	-1.1%
2.5%	60.3	59.2	-1.0	-1.7%
3.7%	59.9	59.2	-0.7	-1.2%
4.9%	59.6	59.1	-0.5	-0.9%
6.2%	59.5	59.1	-0.4	-0.7%
7.4%	59.4	59.0	-0.4	-0.7%
8.6%	59.0	58.9	-0.1	-0.2%
9.9%	58.9	58.7	-0.2	-0.3%
11.1%	58.9	58.6	-0.2	-0.4%
12.3%	58.8	58.6	-0.2	-0.3%
13.6%	58.7	58.6	-0.1	-0.2%
14.8%	58.7	58.6	-0.1	-0.2%
16.0%	58.7	58.4	-0.3	-0.5%
17.3%	58.6	58.4	-0.3	-0.4%
18.5%	58.6	58.3	-0.3	-0.5%
19.8%	58.3	58.3	0.0	-0.1%
21.0%	58.3	58.0	-0.3	-0.4%
22.2%	58.2	58.0	-0.2	-0.4%
23.5%	58.2	58.0	-0.2	-0.3%
24.7%	58.2	58.0	-0.2	-0.3%
25.9%	58.1	58.0	-0.2	-0.3%
27.2%	58.1	58.0	-0.1	-0.3%
28.4%	58.0	58.0	-0.1	-0.1%
29.6%	58.0	57.9	-0.1	-0.1%
30.9%	58.0	57.9	-0.1	-0.2%
32.1%	58.0	57.7	-0.2	-0.4%
33.3%	57.9	57.7	-0.2	-0.4%
34.6%	57.9	57.7	-0.2	-0.4%
35.8%	57.7	57.7	0.0	0.0%
37.0%	57.6	57.7	0.0	0.1%
38.3%	57.6	57.7	0.1	0.1%
39.5%	57.6	57.7	0.1	0.2%
40.7%	57.5	57.6	0.1	0.2%
42.0%	57.5	57.6	0.1	0.2%
43.2%	57.5	57.6	0.1	0.2%
44.4%	57.4	57.6	0.2	0.3%
45.7%	57.4	57.5	0.1	0.1%
46.9%	57.4	57.4	0.0	0.0%
48.1%	57.2	57.3	0.1	0.2%
49.4%	57.0	57.2	0.2	0.3%
50.6%	57.0	57.2	0.2	0.3%
51.9%	56.9	57.1	0.2	0.3%
53.1%	56.9	57.1	0.2	0.4%
54.3%	56.8	57.0	0.2	0.3%
55.6%	56.8	57.0	0.2	0.3%
56.8%	56.8	56.9	0.2	0.3%
58.0%	56.7	56.9	0.2	0.3%
59.3%	56.7	56.9	0.2	0.3%
60.5%	56.6	56.9	0.2	0.4%
61.7%	56.6	56.8	0.2	0.4%
63.0%	56.6	56.8	0.3	0.4%
64.2%	56.6	56.8	0.2	0.4%
65.4%	56.6	56.8	0.2	0.4%
66.7%	56.5	56.8	0.3	0.5%
67.9%	56.5	56.8	0.3	0.5%
69.1%	56.4	56.7	0.3	0.5%
70.4%	56.4	56.7	0.3	0.5%
71.6%	56.4	56.6	0.2	0.4%
72.8%	56.3	56.6	0.3	0.5%
74.1%	56.3	56.6	0.2	0.4%
75.3%	56.3	56.5	0.2	0.4%
76.5%	56.3	56.5	0.2	0.3%
77.8%	56.3	56.5	0.2	0.3%
79.0%	56.0	56.4	0.4	0.6%
80.2%	56.0	56.4	0.3	0.6%
81.5%	56.0	56.3	0.3	0.6%
82.7%	55.8	56.3	0.5	0.8%
84.0%	55.8	56.3	0.5	0.9%
85.2%	55.8	56.2	0.4	0.8%
86.4%	55.7	56.0	0.3	0.5%
87.7%	55.7	55.8	0.1	0.2%
88.9%	55.6	55.7	0.2	0.3%
90.1%	55.5	55.7	0.2	0.4%
91.4%	55.5	55.7	0.2	0.3%
92.6%	55.4	55.6	0.2	0.4%
93.8%	55.2	55.6	0.4	0.7%
95.1%	55.1	55.6	0.5	0.8%
96.3%	55.1	55.3	0.2	0.4%
97.5%	54.9	55.1	0.2	0.4%
98.8%	54.7	54.9	0.1	0.3%
100.0%	54.5	54.3	-0.1	-0.2%

July to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	65.2	63.5	-1.7	-2.5%
1.2%	61.6	60.5	-1.0	-1.7%
2.5%	61.5	60.1	-1.4	-2.2%
3.7%	60.7	60.1	-0.6	-1.0%
4.9%	60.7	59.7	-1.0	-1.7%
6.2%	60.1	59.5	-0.7	-1.1%
7.4%	60.1	59.4	-0.7	-1.2%
8.6%	60.0	59.2	-0.8	-1.3%
9.9%	59.4	59.2	-0.3	-0.4%
11.1%	59.4	59.2	-0.2	-0.4%
12.3%	59.4	59.1	-0.2	-0.4%
13.6%	59.2	59.1	-0.2	-0.3%
14.8%	59.2	59.1	-0.2	-0.3%
16.0%	59.2	59.0	-0.2	-0.3%
17.3%	59.1	58.9	-0.3	-0.4%
18.5%	59.0	58.7	-0.3	-0.5%
19.8%	59.0	58.7	-0.3	-0.5%
21.0%	59.0	58.6	-0.4	-0.7%
22.2%	58.9	58.4	-0.5	-0.9%
23.5%	58.9	58.4	-0.5	-0.8%
24.7%	58.9	58.4	-0.5	-0.8%
25.9%	58.8	58.4	-0.4	-0.8%
27.2%	58.8	58.4	-0.4	-0.7%
28.4%	58.7	58.4	-0.3	-0.5%
29.6%	58.4	58.3	-0.1	-0.2%
30.9%	58.3	58.3	-0.1	-0.1%
32.1%	58.3	58.3	-0.1	-0.1%
33.3%	58.3	58.2	-0.1	-0.1%
34.6%	57.9	58.1	0.2	0.3%
35.8%	57.9	58.0	0.2	0.3%
37.0%	57.9	58.0	0.2	0.3%
38.3%	57.8	57.9	0.1	0.1%
39.5%	57.8	57.9	0.1	0.1%
40.7%	57.8	57.8	0.0	0.0%
42.0%	57.8	57.8	0.0	-0.1%
43.2%	57.8	57.7	-0.1	-0.2%
44.4%	57.5	57.6	0.2	0.3%
45.7%	57.4	57.6	0.2	0.4%
46.9%	57.4	57.5	0.2	0.3%
48.1%	57.3	57.5	0.1	0.3%
49.4%	57.3	57.4	0.1	0.2%
50.6%	57.3	57.3	0.1	0.1%
51.9%	57.2	57.2	0.0	0.0%
53.1%	57.2	57.2	0.0	0.1%
54.3%	57.1	57.1	0.0	0.0%
55.6%	57.1	57.1	0.0	0.0%
56.8%	57.1	57.1	0.0	0.0%
58.0%	57.1	57.1	0.0	0.0%
59.3%	57.0	57.0	0.0	0.0%
60.5%	57.0	57.0	0.0	-0.1%
61.7%	57.0	57.0	0.0	-0.1%
63.0%	56.9	57.0	0.1	0.2%
64.2%	56.8	56.9	0.1	0.2%
65.4%	56.7	56.9	0.1	0.2%
66.7%	56.7	56.9	0.1	0.3%
67.9%	56.7	56.8	0.1	0.2%
69.1%	56.7	56.8	0.1	0.2%
70.4%	56.7	56.8	0.1	0.2%
71.6%	56.6	56.8	0.1	0.2%
72.8%	56.6	56.7	0.1	0.2%
74.1%	56.5	56.7	0.1	0.3%
75.3%	56.5	56.7	0.2	0.3%
76.5%	56.5	56.7	0.2	0.4%
77.8%	56.4	56.7	0.2	0.4%
79.0%	56.4	56.6	0.3	0.5%
80.2%	56.3	56.6	0.2	0.4%
81.5%	56.2	56.5	0.3	0.5%
82.7%	56.0	56.5	0.4	0.8%
84.0%	56.0	56.5	0.4	0.8%
85.2%	55.9	56.4	0.6	1.0%
86.4%	55.8	56.3	0.4	0.8%
87.7%	55.8	56.2	0.3	0.6%
88.9%	55.8	55.7	-0.1	-0.1%
90.1%	55.7	55.6	-0.1	-0.2%
91.4%	55.6	55.6	0.0	-0.1%
92.6%	55.3	55.5	0.2	0.3%
93.8%	55.3	55.5	0.2	0.3%
95.1%	55.3	55.3	0.1	0.1%
96.3%	55.3	55.2	0.0	-0.1%
97.5%	55.1	55.0	-0.1	-0.2%
98.8%	54.9	55.0	0.1	0.2%
100.0%	54.4	54.2	-0.3	-0.5%

August to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.4	65.4	-2.1	-3.0%
1.2%	63.4	61.0	-2.4	-3.7%
2.5%	62.7	61.0	-1.8	-2.8%
3.7%	61.9	60.5	-1.3	-2.2%
4.9%	61.7	60.1	-1.6	-2.6%
6.2%	60.7	59.8	-1.0	-1.6%
7.4%	60.7	59.7	-1.0	-1.6%
8.6%	60.2	59.4	-0.8	-1.3%
9.9%	60.2	59.4	-0.8	-1.4%
11.1%	60.1	59.3	-0.8	-1.3%
12.3%	59.9	59.3	-0.7	-1.1%
13.6%	59.9	59.2	-0.7	-1.2%
14.8%	59.9	59.1	-0.7	-1.2%
16.0%	59.7	59.1	-0.6	-1.0%
17.3%	59.7	59.1	-0.7	-1.1%
18.5%	59.6	59.1	-0.5	-0.9%
19.8%	59.5	59.0	-0.5	-0.8%
21.0%	59.4	59.0	-0.4	-0.7%
22.2%	59.4	58.9	-0.5	-0.8%
23.5%	59.3	58.9	-0.4	-0.6%
24.7%	59.2	58.8	-0.4	-0.7%
25.9%	59.2	58.7	-0.5	-0.9%
27.2%	59.2	58.6	-0.5	-0.9%
28.4%	59.1	58.6	-0.5	-0.8%
29.6%	59.1	58.6	-0.5	-0.8%
30.9%	58.8	58.6	-0.2	-0.3%
32.1%	58.7	58.6	-0.1	-0.2%
33.3%	58.6	58.6	-0.1	-0.1%
34.6%	58.5	58.6	0.1	0.1%
35.8%	58.3	58.4	0.0	0.1%
37.0%	58.3	58.2	-0.2	-0.3%
38.3%	58.3	58.1	-0.2	-0.4%
39.5%	58.1	58.0	-0.1	-0.1%
40.7%	58.0	57.9	0.0	-0.1%
42.0%	58.0	57.9	-0.1	-0.2%
43.2%	58.0	57.9	-0.1	-0.2%
44.4%	57.9	57.8	-0.1	-0.1%
45.7%	57.9	57.8	-0.1	-0.1%
46.9%	57.8	57.8	0.0	-0.1%
48.1%	57.7	57.8	0.1	0.1%
49.4%	57.7	57.6	0.0	-0.1%
50.6%	57.7	57.6	-0.1	-0.1%
51.9%	57.6	57.6	0.0	0.0%
53.1%	57.6	57.5	0.0	0.0%
54.3%	57.5	57.4	-0.1	-0.2%
55.6%	57.5	57.4	-0.2	-0.3%
56.8%	57.4	57.3	-0.1	-0.1%
58.0%	57.3	57.3	0.0	0.0%
59.3%	57.2	57.3	0.1	0.2%
60.5%	57.1	57.2	0.1	0.1%
61.7%	57.1	57.2	0.1	0.2%
63.0%	57.0	57.2	0.2	0.3%
64.2%	57.0	57.2	0.2	0.3%
65.4%	57.0	57.1	0.1	0.2%
66.7%	56.9	57.1	0.2	0.3%
67.9%	56.9	57.0	0.1	0.2%
69.1%	56.8	57.0	0.2	0.4%
70.4%	56.7	57.0	0.2	0.4%
71.6%	56.7	56.9	0.2	0.4%
72.8%	56.6	56.9	0.2	0.4%
74.1%	56.5	56.8	0.3	0.5%
75.3%	56.5	56.8	0.3	0.6%
76.5%	56.5	56.8	0.3	0.5%
77.8%	56.5	56.7	0.2	0.4%
79.0%	56.4	56.6	0.3	0.5%
80.2%	56.3	56.6	0.3	0.5%
81.5%	56.3	56.6	0.3	0.5%
82.7%	56.2	56.4	0.2	0.3%
84.0%	56.2	56.4	0.2	0.4%
85.2%	56.1	56.2	0.1	0.2%
86.4%	56.0	56.2	0.2	0.3%
87.7%	55.8	56.1	0.2	0.4%
88.9%	55.8	55.8	0.0	0.0%
90.1%	55.8	55.8	0.0	0.0%
91.4%	55.6	55.6	0.0	0.0%
92.6%	55.4	55.4	0.0	0.0%
93.8%	55.2	55.2	0.0	0.0%
95.1%	54.9	55.1	0.2	0.4%
96.3%	54.9	54.9	0.1	0.2%
97.5%	54.8	54.7	0.0	0.0%
98.8%	54.7	54.6	-0.1	-0.2%
100.0%	54.0	53.6	-0.4	-0.7%

Figure SQ7-1b
Sacramento River at Red Bluff, Monthly Temperature
Probability of Exceedance

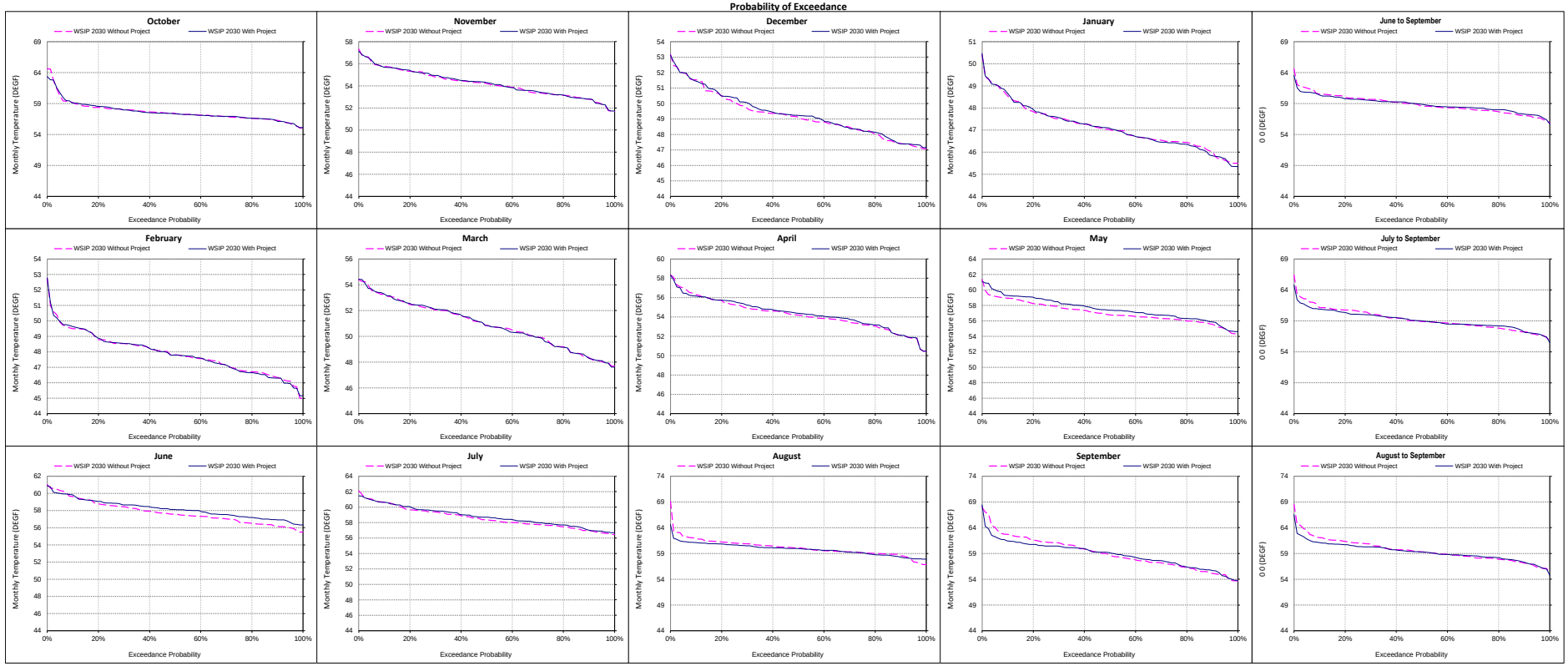


Table SQ7-1b

Sacramento River at Red Bluff, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	64.6	63.4	-1.3	-2.0%
1.2%	64.6	62.8	-1.7	-2.7%
2.5%	62.7	62.8	0.1	0.2%
3.7%	61.4	61.6	0.2	0.3%
4.9%	60.2	60.7	0.5	0.8%
6.2%	59.4	59.9	0.5	0.9%
7.4%	59.4	59.5	0.1	0.1%
8.6%	59.3	59.4	0.2	0.3%
9.9%	59.2	59.1	-0.1	-0.1%
11.1%	58.9	59.1	0.1	0.3%
12.3%	58.9	59.0	0.1	0.2%
13.6%	58.7	58.9	0.2	0.4%
14.8%	58.6	58.9	0.3	0.5%
16.0%	58.5	58.8	0.2	0.4%
17.3%	58.4	58.7	0.3	0.5%
18.5%	58.4	58.7	0.3	0.5%
19.8%	58.4	58.5	0.2	0.3%
21.0%	58.3	58.5	0.2	0.3%
22.2%	58.3	58.5	0.1	0.2%
23.5%	58.2	58.5	0.3	0.5%
24.7%	58.1	58.3	0.2	0.4%
25.9%	58.1	58.2	0.1	0.1%
27.2%	58.1	58.1	0.0	0.0%
28.4%	58.1	58.1	0.0	0.0%
29.6%	58.0	58.0	0.0	-0.1%
30.9%	58.0	58.0	0.0	-0.1%
32.1%	58.0	57.9	-0.1	-0.1%
33.3%	58.0	57.8	-0.1	-0.2%
34.6%	57.9	57.8	-0.1	-0.2%
35.8%	57.8	57.8	0.0	0.0%
37.0%	57.8	57.6	-0.2	-0.3%
38.3%	57.7	57.6	-0.1	-0.1%
39.5%	57.7	57.5	-0.1	-0.3%
40.7%	57.6	57.5	-0.1	-0.2%
42.0%	57.6	57.5	-0.1	-0.2%
43.2%	57.6	57.5	-0.1	-0.2%
44.4%	57.6	57.5	-0.1	-0.2%
45.7%	57.5	57.4	0.0	-0.1%
46.9%	57.5	57.4	-0.1	-0.1%
48.1%	57.5	57.4	-0.1	-0.1%
49.4%	57.5	57.4	-0.1	-0.2%
50.6%	57.3	57.3	0.0	0.0%
51.9%	57.3	57.3	0.0	0.0%
53.1%	57.2	57.2	0.0	0.0%
54.3%	57.2	57.2	0.0	0.0%
55.6%	57.2	57.2	0.0	0.0%
56.8%	57.2	57.2	0.0	0.0%
58.0%	57.2	57.1	-0.1	-0.1%
59.3%	57.1	57.1	0.0	0.0%
60.5%	57.1	57.1	0.0	0.0%
61.7%	57.1	57.1	-0.1	-0.1%
63.0%	57.1	57.1	-0.1	-0.1%
64.2%	57.0	57.0	0.0	0.0%
65.4%	57.0	57.0	0.0	-0.1%
66.7%	57.0	57.0	0.0	-0.1%
67.9%	57.0	57.0	0.0	0.0%
69.1%	56.9	56.9	0.0	0.1%
70.4%	56.8	56.9	0.1	0.2%
71.6%	56.8	56.9	0.1	0.2%
72.8%	56.8	56.9	0.1	0.3%
74.1%	56.7	56.9	0.1	0.3%
75.3%	56.7	56.8	0.1	0.2%
76.5%	56.7	56.8	0.0	0.1%
77.8%	56.7	56.7	0.0	0.0%
79.0%	56.6	56.6	0.0	0.0%
80.2%	56.6	56.6	0.0	0.1%
81.5%	56.6	56.6	0.0	0.0%
82.7%	56.6	56.6	0.0	0.1%
84.0%	56.5	56.6	0.0	0.0%
85.2%	56.5	56.5	0.0	0.1%
86.4%	56.5	56.5	0.0	0.0%
87.7%	56.4	56.5	0.0	0.1%
88.9%	56.3	56.4	0.1	0.1%
90.1%	56.3	56.1	-0.2	-0.3%
91.4%	56.1	56.1	0.0	-0.1%
92.6%	55.9	56.1	0.1	0.3%
93.8%	55.9	55.9	0.0	0.0%
95.1%	55.8	55.8	0.0	0.0%
96.3%	55.6	55.8	0.2	0.3%
97.5%	55.4	55.4	0.0	0.0%
98.8%	55.0	55.1	0.1	0.2%
100.0%	55.0	55.1	0.0	0.2%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.3	57.1	-0.2	-0.3%
1.2%	56.8	56.8	0.0	0.1%
2.5%	56.6	56.7	0.0	0.0%
3.7%	56.6	56.5	-0.1	-0.1%
4.9%	56.2	56.4	0.2	0.3%
6.2%	55.9	56.0	0.1	0.1%
7.4%	55.9	55.9	0.0	0.0%
8.6%	55.8	55.8	0.0	-0.1%
9.9%	55.8	55.7	-0.1	-0.2%
11.1%	55.7	55.7	-0.1	-0.1%
12.3%	55.7	55.7	0.0	-0.1%
13.6%	55.7	55.6	0.0	-0.1%
14.8%	55.6	55.6	0.0	0.0%
16.0%	55.5	55.5	0.1	0.1%
17.3%	55.4	55.5	0.1	0.1%
18.5%	55.3	55.4	0.1	0.2%
19.8%	55.3	55.4	0.1	0.2%
21.0%	55.3	55.3	0.0	-0.1%
22.2%	55.3	55.3	0.0	0.0%
23.5%	55.3	55.2	-0.1	-0.1%
24.7%	55.3	55.2	-0.1	-0.2%
25.9%	55.0	55.2	0.2	0.3%
27.2%	54.9	55.1	0.2	0.3%
28.4%	54.9	55.0	0.0	0.1%
29.6%	54.8	54.9	0.1	0.2%
30.9%	54.8	54.9	0.1	0.2%
32.1%	54.8	54.8	0.0	0.1%
33.3%	54.6	54.8	0.1	0.2%
34.6%	54.6	54.7	0.1	0.3%
35.8%	54.6	54.7	0.1	0.2%
37.0%	54.5	54.7	0.1	0.2%
38.3%	54.5	54.6	0.1	0.2%
39.5%	54.4	54.5	0.1	0.1%
40.7%	54.4	54.5	0.0	0.1%
42.0%	54.4	54.5	0.0	0.1%
43.2%	54.4	54.4	0.0	0.1%
44.4%	54.3	54.4	0.1	0.2%
45.7%	54.3	54.4	0.1	0.2%
46.9%	54.3	54.4	0.1	0.2%
48.1%	54.3	54.4	0.1	0.2%
49.4%	54.2	54.3	0.1	0.2%
50.6%	54.2	54.3	0.1	0.1%
51.9%	54.1	54.2	0.1	0.2%
53.1%	54.0	54.1	0.1	0.1%
54.3%	54.0	54.1	0.1	0.2%
55.6%	54.0	54.1	0.1	0.2%
56.8%	54.0	54.0	0.0	0.0%
58.0%	54.0	53.9	-0.1	-0.1%
59.3%	53.9	53.9	0.0	0.0%
60.5%	53.9	53.8	0.0	-0.1%
61.7%	53.8	53.6	-0.2	-0.3%
63.0%	53.8	53.6	-0.2	-0.3%
64.2%	53.7	53.6	-0.1	-0.1%
65.4%	53.5	53.6	0.1	0.2%
66.7%	53.5	53.6	0.1	0.2%
67.9%	53.4	53.6	0.2	0.4%
69.1%	53.4	53.5	0.1	0.3%
70.4%	53.4	53.4	0.1	0.2%
71.6%	53.3	53.4	0.1	0.1%
72.8%	53.3	53.4	0.1	0.2%
74.1%	53.3	53.3	0.1	0.1%
75.3%	53.3	53.3	0.0	0.0%
76.5%	53.2	53.2	0.0	0.0%
77.8%	53.2	53.2	0.0	0.0%
79.0%	53.2	53.2	0.0	0.1%
80.2%	53.1	53.2	0.0	0.0%
81.5%	53.1	53.0	-0.1	-0.1%
82.7%	53.1	53.0	-0.1	-0.2%
84.0%	53.0	52.9	-0.1	-0.2%
85.2%	52.9	52.9	0.0	-0.1%
86.4%	52.9	52.9	-0.1	-0.1%
87.7%	52.9	52.9	0.0	-0.1%
88.9%	52.8	52.8	0.0	0.0%
90.1%	52.8	52.8	0.0	0.0%
91.4%	52.7	52.8	0.0	0.1%
92.6%	52.5	52.4	-0.1	-0.2%
93.8%	52.5	52.4	0.0	-0.1%
95.1%	52.3	52.3	0.0	0.0%
96.3%	52.2	52.3	0.1	0.1%
97.5%	51.8	51.8	0.1	0.1%
98.8%	51.7	51.7	0.0	0.1%
100.0%	51.7	51.7	0.0	0.1%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.2	53.1	-0.1	-0.1%
1.2%	52.5	52.7	0.3	0.5%
2.5%	52.4	52.4	0.0	0.0%
3.7%	52.0	52.0	0.0	-0.1%
4.9%	52.0	52.0	0.0	0.0%
6.2%	51.9	52.0	0.0	0.1%
7.4%	51.6	51.7	0.1	0.1%
8.6%	51.5	51.5	0.0	0.0%
9.9%	51.5	51.5	-0.1	-0.2%
11.1%	51.5	51.4	-0.1	-0.2%
12.3%	51.4	51.3	-0.1	-0.2%
13.6%	50.8	51.2	0.4	0.8%
14.8%	50.8	51.0	0.2	0.3%
16.0%	50.8	51.0	0.2	0.3%
17.3%	50.7	50.9	0.2	0.4%
18.5%	50.7	50.7	0.1	0.1%
19.8%	50.5	50.5	0.0	0.0%
21.0%	50.4	50.5	0.1	0.2%
22.2%	50.3	50.5	0.2	0.4%
23.5%	50.2	50.4	0.2	0.4%
24.7%	50.0	50.4	0.3	0.7%
25.9%	50.0	50.4	0.4	0.7%
27.2%	49.9	50.1	0.2	0.5%
28.4%	49.9	50.1	0.3	0.5%
29.6%	49.7	50.1	0.3	0.7%
30.9%	49.6	50.0	0.4	0.8%
32.1%	49.5	49.8	0.3	0.6%
33.3%	49.5	49.7	0.3	0.5%
34.6%	49.5	49.6	0.2	0.3%
35.8%	49.5	49.6	0.1	0.2%
37.0%	49.4	49.6	0.1	0.3%
38.3%	49.4	49.5	0.1	0.3%
39.5%	49.4	49.5	0.1	0.2%
40.7%	49.4	49.4	0.0	0.1%
42.0%	49.4	49.4	0.0	0.0%
43.2%	49.4	49.3	0.0	0.0%
44.4%	49.3	49.3	0.0	0.0%
45.7%	49.2	49.3	0.1	0.1%
46.9%	49.2	49.3	0.1	0.2%
48.1%	49.2	49.2	0.1	0.2%
49.4%	49.2	49.2	0.1	0.2%
50.6%	49.0	49.2	0.2	0.4%
51.9%	49.0	49.2	0.2	0.4%
53.1%	48.9	49.2	0.3	0.5%
54.3%	48.9	49.2	0.2	0.5%
55.6%	48.9	49.2	0.3	0.6%
56.8%	48.8	49.1	0.2	0.5%
58.0%	48.8	49.1	0.2	0.5%
59.3%	48.8	49.0	0.1	0.3%
60.5%	48.8	48.8	0.0	0.1%
61.7%	48.7	48.8	0.1	0.2%
63.0%	48.7	48.8	0.1	0.1%
64.2%	48.7	48.7	0.0	0.0%
65.4%	48.6	48.7	0.0	0.0%
66.7%	48.6	48.6	0.0	0.0%
67.9%	48.5	48.5	0.0	-0.1%
69.1%	48.5	48.5	0.0	-0.1%
70.4%	48.5	48.4	-0.1	-0.2%
71.6%	48.3	48.4	0.0	0.0%
72.8%	48.3	48.3	0.0	0.1%
74.1%	48.3	48.3	0.0	0.1%
75.3%	48.2	48.2	0.0	-0.1%
76.5%	48.2	48.2	0.0	-0.1%
77.8%	48.2	48.2	-0.1	-0.1%
79.0%	48.1	48.2	0.1	0.1%
80.2%	48.0	48.1	0.2	0.3%
81.5%	48.0	48.1	0.1	0.2%
82.7%	47.8	48.0	0.3	0.6%
84.0%	47.6	47.9	0.3	0.6%
85.2%	47.6	47.8	0.2	0.3%
86.4%	47.6	47.7	0.1	0.1%
87.7%	47.5	47.6	0.1	0.1%
88.9%	47.5	47.4	0.0	-0.1%
90.1%	47.4	47.4	0.0	0.0%
91.4%	47.4	47.4	0.0	0.0%
92.6%	47.4	47.4	0.0	0.1%
93.8%	47.3	47.4	0.0	0.1%
95.1%	47.2	47.4	0.1	0.2%
96.3%	47.2	47.4	0.2	0.3%
97.5%	47.2	47.3	0.1	0.3%
98.8%	47.1	47.2	0.1	0.2%
100.0%	47.1	47.2	0.1	0.2%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	50.4	50.5	0.1	0.1%
1.2%	49.4	49.4	0.0	0.1%
2.5%	49.3	49.3	0.0	0.1%
3.7%	49.2	49.1	-0.1	-0.1%
4.9%	49.1	49.1	0.0	0.0%
6.2%	49.0	49.0	0.0	0.1%
7.4%	48.8	48.9	0.1	0.2%
8.6%	48.7	48.8	0.1	0.2%
9.9%	48.6	48.7	0.1	0.3%
11.1%	48.4	48.5	0.1	0.1%
12.3%	48.3	48.3	-0.1	-0.2%
13.6%	48.3	48.3	0.0	-0.1%
14.8%	48.3	48.2	0.0	-0.1%
16.0%	48.1	48.1	0.0	0.1%
17.3%	47.9	48.1	0.2	0.3%
18.5%	47.9	48.0	0.2	0.3%
19.8%	47.8	48.0	0.1	0.2%
21.0%	47.8	47.8	0.1	0.1%
22.2%	47.8	47.8	0.1	0.1%
23.5%	47.7	47.8	0.0	0.0%
24.7%	47.7	47.7	0.0	-0.1%
25.9%	47.6	47.6	0.0	0.1%
27.2%	47.6	47.6	0.0	0.1%
28.4%	47.5	47.6	0.1	0.2%
29.6%	47.5	47.6	0.1	0.1%
30.9%	47.5	47.5	0.0	0.0%
32.1%	47.5	47.5	-0.1	-0.1%
33.3%	47.5	47.4	0.0	-0.1%
34.6%	47.4	47.4	0.0	-0.1%
35.8%	47.4	47.4	0.0	0.1%
37.0%	47.3	47.4	0.1	0.1%
38.3%	47.3	47.3	0.0	0.0%
39.5%	47.3	47.3	0.0	0.0%
40.7%	47.3	47.3	0.0	0.0%
42.0%	47.2	47.2	0.0	-0.1%
43.2%	47.2	47.2	0.0	-0.1%
44.4%	47.1	47.2	0.0	0.1%
45.7%	47.1	47.1	0.0	0.1%
46.9%	47.1	47.1	0.0	0.1%
48.1%	47.0	47.1	0.1	0.2%
49.4%	47.0	47.1	0.1	0.2%
50.6%	47.0	47.0	0.0	0.1%
51.9%	47.0	47.0	0.0	0.1%
53.1%	47.0	47.0	0.0	0.0%
54.3%	47.0	46.9	0.0	-0.1%
55.6%	47.0	46.9	-0.1	-0.2%
56.8%	46.8	46.8	0.0	0.0%
58.0%	46.8	46.8	0.0	0.1%
59.3%	46.7	46.7	0.0	0.0%
60.5%	46.7	46.7	0.0	0.0%
61.7%	46.7	46.7	0.0	0.0%
63.0%	46.7	46.7	0.0	0.0%
64.2%	46.6	46.6	0.0	0.1%
65.4%	46.6	46.6	0.0	0.1%
66.7%	46.6	46.6	0.0	0.0%
67.9%	46.6	46.5	-0.1	-0.1%
69.1%	46.5	46.5	-0.1	-0.2%
70.4%	46.5	46.4	-0.1	-0.2%
71.6%	46.5	46.4	-0.1	-0.1%
72.8%	46.5	46.4	-0.1	-0.1%
74.1%	46.5	46.4	-0.1	-0.1%
75.3%	46.5	46.4	-0.1	-0.1%
76.5%	46.5	46.4	-0.1	-0.2%
77.8%	46.5	46.4	-0.1	-0.2%
79.0%	46.4	46.4	-0.1	-0.2%
80.2%	46.4	46.4	-0.1	-0.2%
81.5%	46.4	46.3	-0.1	-0.2%
82.7%	46.3	46.3	-0.1	-0.1%
84.0%	46.3	46.2	0.0	-0.1%
85.2%	46.3	46.1	-0.1	-0.3%
86.4%	46.3	46.1	-0.1	-0.3%
87.7%	46.1	46.0	-0.1	-0.2%
88.9%	46.1	45.9	-0.2	-0.4%
90.1%	46.0	45.8	-0.2	-0.4%
91.4%	45.8	45.8	0.0	0.1%
92.6%	45.7	45.8	0.1	0.2%
93.8%	45.7	45.7	0.1	0.1%
95.1%	45.6	45.7	0.1	0.2%
96.3%	45.6	45.5	-0.1	-0.2%
97.5%	45.5	45.4	-0.1	-0.3%
98.8%	45.5	45.3	-0.1	-0.3%
100.0%	45.5	45.3	-0.1	-0.3%

Table SQ7-1b

Sacramento River at Red Bluff, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.7	52.8	0.0	0.1%
1.2%	51.0	51.2	0.2	0.4%
2.5%	50.6	50.4	-0.2	-0.5%
3.7%	50.4	50.2	-0.2	-0.4%
4.9%	49.9	50.0	0.1	0.1%
6.2%	49.7	49.8	0.1	0.1%
7.4%	49.7	49.8	0.1	0.1%
8.6%	49.5	49.7	0.1	0.3%
9.9%	49.5	49.6	0.1	0.3%
11.1%	49.5	49.6	0.1	0.2%
12.3%	49.5	49.5	0.0	0.1%
13.6%	49.5	49.5	0.0	0.0%
14.8%	49.4	49.5	0.0	0.0%
16.0%	49.3	49.3	0.0	0.1%
17.3%	49.2	49.2	0.0	0.0%
18.5%	49.0	49.0	0.0	0.0%
19.8%	48.8	48.9	0.1	0.2%
21.0%	48.8	48.8	0.0	0.1%
22.2%	48.8	48.7	-0.1	-0.2%
23.5%	48.7	48.6	-0.1	-0.2%
24.7%	48.7	48.6	0.0	-0.1%
25.9%	48.5	48.6	0.0	0.1%
27.2%	48.5	48.6	0.0	0.1%
28.4%	48.5	48.6	0.0	0.1%
29.6%	48.5	48.5	0.0	0.0%
30.9%	48.5	48.5	0.0	0.0%
32.1%	48.5	48.5	0.0	0.0%
33.3%	48.5	48.5	0.0	0.0%
34.6%	48.4	48.5	0.0	0.1%
35.8%	48.4	48.5	0.1	0.2%
37.0%	48.4	48.4	0.1	0.2%
38.3%	48.4	48.4	0.0	0.0%
39.5%	48.3	48.3	0.0	0.0%
40.7%	48.1	48.2	0.0	0.1%
42.0%	48.1	48.1	0.0	0.0%
43.2%	48.1	48.0	0.0	-0.1%
44.4%	48.1	48.0	0.0	-0.1%
45.7%	48.0	48.0	0.0	0.0%
46.9%	48.0	48.0	-0.1	-0.1%
48.1%	47.8	47.8	0.0	-0.1%
49.4%	47.8	47.8	0.0	0.0%
50.6%	47.8	47.8	0.0	0.0%
51.9%	47.8	47.8	0.0	0.0%
53.1%	47.7	47.8	0.1	0.1%
54.3%	47.7	47.7	0.0	0.1%
55.6%	47.7	47.7	0.0	0.1%
56.8%	47.6	47.7	0.1	0.2%
58.0%	47.6	47.6	0.0	0.0%
59.3%	47.6	47.6	0.0	0.1%
60.5%	47.6	47.6	0.0	0.0%
61.7%	47.5	47.5	-0.1	-0.1%
63.0%	47.5	47.4	-0.1	-0.2%
64.2%	47.4	47.4	-0.1	-0.1%
65.4%	47.4	47.3	-0.1	-0.3%
66.7%	47.4	47.3	-0.2	-0.3%
67.9%	47.2	47.2	0.0	0.0%
69.1%	47.2	47.2	0.0	0.0%
70.4%	47.1	47.1	0.0	0.0%
71.6%	47.0	47.0	0.0	0.0%
72.8%	46.9	46.9	0.0	-0.1%
74.1%	46.9	46.8	-0.1	-0.1%
75.3%	46.8	46.7	-0.1	-0.2%
76.5%	46.8	46.7	-0.1	-0.2%
77.8%	46.7	46.7	-0.1	-0.2%
79.0%	46.7	46.6	-0.1	-0.2%
80.2%	46.7	46.6	-0.1	-0.1%
81.5%	46.7	46.6	-0.1	-0.2%
82.7%	46.7	46.6	-0.1	-0.2%
84.0%	46.7	46.5	-0.1	-0.3%
85.2%	46.6	46.5	-0.1	-0.1%
86.4%	46.5	46.3	-0.2	-0.4%
87.7%	46.5	46.3	-0.1	-0.3%
88.9%	46.4	46.3	-0.1	-0.2%
90.1%	46.3	46.3	0.0	-0.1%
91.4%	46.3	46.3	0.0	0.1%
92.6%	46.2	46.0	-0.2	-0.4%
93.8%	46.1	46.0	-0.1	-0.3%
95.1%	46.1	45.9	-0.2	-0.4%
96.3%	45.8	45.7	-0.1	-0.3%
97.5%	45.7	45.6	-0.1	-0.3%
98.8%	45.0	45.2	0.2	0.4%
100.0%	45.0	45.2	0.2	0.4%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.4	54.4	0.0	0.1%
1.2%	54.3	54.4	0.2	0.3%
2.5%	54.2	54.1	-0.1	-0.3%
3.7%	53.9	53.7	-0.2	-0.4%
4.9%	53.6	53.7	0.1	0.2%
6.2%	53.4	53.5	0.1	0.1%
7.4%	53.4	53.4	0.0	0.1%
8.6%	53.3	53.4	0.1	0.2%
9.9%	53.3	53.3	0.0	0.1%
11.1%	53.1	53.1	0.0	0.0%
12.3%	53.1	53.1	0.1	0.1%
13.6%	53.0	52.9	-0.1	-0.2%
14.8%	52.9	52.8	-0.1	-0.3%
16.0%	52.8	52.8	0.0	0.0%
17.3%	52.7	52.7	0.1	0.1%
18.5%	52.6	52.6	0.0	-0.1%
19.8%	52.5	52.6	0.1	0.2%
21.0%	52.4	52.5	0.0	0.0%
22.2%	52.4	52.4	0.0	0.0%
23.5%	52.4	52.4	0.1	0.1%
24.7%	52.3	52.4	0.1	0.3%
25.9%	52.2	52.3	0.1	0.3%
27.2%	52.2	52.3	0.1	0.1%
28.4%	52.2	52.2	0.0	0.1%
29.6%	52.1	52.1	0.1	0.1%
30.9%	52.0	52.1	0.0	0.1%
32.1%	52.0	52.1	0.1	0.1%
33.3%	52.0	52.1	0.1	0.1%
34.6%	52.0	52.0	0.0	0.1%
35.8%	51.8	51.9	0.0	0.1%
37.0%	51.7	51.8	0.0	0.1%
38.3%	51.7	51.7	0.0	0.1%
39.5%	51.7	51.7	0.1	0.1%
40.7%	51.5	51.5	0.0	0.0%
42.0%	51.5	51.5	0.0	0.1%
43.2%	51.4	51.5	0.1	0.2%
44.4%	51.2	51.3	0.1	0.2%
45.7%	51.2	51.2	0.1	0.1%
46.9%	51.1	51.1	0.0	0.0%
48.1%	51.1	51.1	0.0	0.0%
49.4%	50.9	50.9	0.0	0.0%
50.6%	50.8	50.8	0.0	0.0%
51.9%	50.8	50.7	0.0	-0.1%
53.1%	50.7	50.7	0.0	0.0%
54.3%	50.7	50.7	0.0	0.0%
55.6%	50.7	50.7	0.0	0.0%
56.8%	50.6	50.6	-0.1	-0.1%
58.0%	50.6	50.5	-0.2	-0.3%
59.3%	50.6	50.3	-0.2	-0.4%
60.5%	50.4	50.3	-0.1	-0.3%
61.7%	50.4	50.3	-0.1	-0.2%
63.0%	50.3	50.3	-0.1	-0.1%
64.2%	50.3	50.3	0.0	-0.1%
65.4%	50.3	50.1	-0.1	-0.3%
66.7%	50.0	50.1	0.0	0.1%
67.9%	50.0	50.0	0.0	0.0%
69.1%	50.0	49.9	-0.1	-0.1%
70.4%	49.9	49.9	0.0	0.0%
71.6%	49.9	49.8	-0.1	-0.1%
72.8%	49.8	49.6	-0.2	-0.5%
74.1%	49.6	49.5	-0.1	-0.2%
75.3%	49.4	49.4	0.1	0.1%
76.5%	49.2	49.2	0.0	0.0%
77.8%	49.2	49.2	0.0	0.0%
79.0%	49.2	49.2	0.0	-0.1%
80.2%	49.2	49.2	0.0	-0.1%
81.5%	49.2	49.1	0.0	-0.1%
82.7%	48.7	48.8	0.0	0.0%
84.0%	48.7	48.7	0.0	0.0%
85.2%	48.7	48.7	0.0	-0.1%
86.4%	48.7	48.7	0.0	0.0%
87.7%	48.5	48.6	0.2	0.3%
88.9%	48.4	48.5	0.0	0.0%
90.1%	48.3	48.3	-0.1	-0.1%
91.4%	48.2	48.2	0.1	0.1%
92.6%	48.1	48.2	0.0	0.0%
93.8%	48.1	48.1	0.0	0.0%
95.1%	48.0	48.1	0.1	0.1%
96.3%	48.0	47.9	0.0	0.0%
97.5%	48.0	47.9	0.0	0.0%
98.8%	47.7	47.6	-0.1	-0.2%
100.0%	47.7	47.6	-0.1	-0.2%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.4	58.4	0.0	0.0%
1.2%	58.1	57.8	-0.3	-0.5%
2.5%	57.3	57.1	-0.2	-0.4%
3.7%	57.1	57.0	-0.1	-0.2%
4.9%	57.0	56.5	-0.5	-1.0%
6.2%	56.8	56.4	-0.4	-0.7%
7.4%	56.5	56.2	-0.3	-0.5%
8.6%	56.5	56.2	-0.3	-0.5%
9.9%	56.3	56.1	-0.2	-0.3%
11.1%	56.3	56.1	-0.2	-0.3%
12.3%	56.1	56.1	0.0	0.0%
13.6%	56.0	56.1	0.1	0.1%
14.8%	56.0	55.9	0.0	-0.1%
16.0%	55.8	55.9	0.1	0.1%
17.3%	55.8	55.8	0.0	0.0%
18.5%	55.7	55.7	0.0	0.0%
19.8%	55.7	55.7	0.0	0.0%
21.0%	55.5	55.7	0.2	0.4%
22.2%	55.5	55.7	0.2	0.4%
23.5%	55.3	55.7	0.3	0.6%
24.7%	55.3	55.6	0.3	0.6%
25.9%	55.2	55.5	0.3	0.5%
27.2%	55.2	55.5	0.3	0.5%
28.4%	55.0	55.4	0.4	0.6%
29.6%	54.9	55.3	0.3	0.6%
30.9%	54.9	55.2	0.3	0.5%
32.1%	54.8	55.1	0.3	0.5%
33.3%	54.8	55.1	0.3	0.5%
34.6%	54.8	55.0	0.2	0.4%
35.8%	54.7	54.8	0.2	0.3%
37.0%	54.6	54.8	0.2	0.3%
38.3%	54.6	54.8	0.2	0.3%
39.5%	54.6	54.8	0.2	0.3%
40.7%	54.6	54.7	0.1	0.1%
42.0%	54.6	54.6	0.0	0.1%
43.2%	54.5	54.6	0.1	0.1%
44.4%	54.5	54.6	0.1	0.2%
45.7%	54.4	54.5	0.2	0.3%
46.9%	54.3	54.5	0.2	0.4%
48.1%	54.3	54.5	0.2	0.4%
49.4%	54.2	54.4	0.2	0.4%
50.6%	54.2	54.4	0.2	0.3%
51.9%	54.1	54.3	0.2	0.4%
53.1%	54.1	54.3	0.2	0.4%
54.3%	54.0	54.3	0.3	0.5%
55.6%	54.0	54.2	0.3	0.5%
56.8%	53.9	54.2	0.3	0.5%
58.0%	53.9	54.1	0.3	0.5%
59.3%	53.9	54.1	0.3	0.5%
60.5%	53.9	54.0	0.2	0.3%
61.7%	53.8	54.0	0.2	0.3%
63.0%	53.8	54.0	0.2	0.4%
64.2%	53.8	54.0	0.2	0.4%
65.4%	53.7	54.0	0.2	0.4%
66.7%	53.7	53.9	0.2	0.4%
67.9%	53.6	53.9	0.3	0.6%
69.1%	53.6	53.8	0.3	0.5%
70.4%	53.4	53.7	0.3	0.6%
71.6%	53.4	53.7	0.3	0.6%
72.8%	53.3	53.6	0.2	0.4%
74.1%	53.3	53.5	0.1	0.2%
75.3%	53.2	53.3	0.1	0.2%
76.5%	53.2	53.3	0.1	0.2%
77.8%	53.1	53.3	0.1	0.2%
79.0%	53.1	53.2	0.1	0.3%
80.2%	53.1	53.2	0.1	0.2%
81.5%	52.9	53.2	0.3	0.6%
82.7%	52.9	52.9	0.1	0.1%
84.0%	52.7	52.9	0.1	0.3%
85.2%	52.7	52.9	0.2	0.4%
86.4%	52.5	52.4	-0.2	-0.3%
87.7%	52.3	52.3	0.0	0.0%
88.9%	52.1	52.2	0.0	0.0%
90.1%	52.1	52.1	0.0	0.0%
91.4%	52.0	52.1	0.1	0.1%
92.6%	52.0	51.9	-0.1	-0.1%
93.8%	51.8	51.9	0.1	0.1%
95.1%	51.8	51.9	0.1	0.1%
96.3%	51.8	51.8	0.1	0.1%
97.5%	50.7	50.7	0.0	0.0%
98.8%	50.5	50.5	0.0	0.0%
100.0%	50.5	50.5	0.0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.4	61.1	-0.2	-0.4%
1.2%	59.9	60.9	1.0	1.7%
2.5%	59.4	60.9	1.4	2.4%
3.7%	59.3	60.2	0.9	1.5%
4.9%	59.2	60.0	0.8	1.4%
6.2%	59.1	59.8	0.7	1.2%
7.4%	59.0	59.8	0.7	1.2%
8.6%	59.0	59.3	0.3	0.5%
9.9%	58.9	59.3	0.3	0.6%
11.1%	58.9	59.2	0.3	0.6%
12.3%	58.9	59.2	0.3	0.5%
13.6%	58.7	59.2	0.5	0.8%
14.8%	58.7	59.2	0.5	0.8%
16.0%	58.5	59.1	0.6	1.0%
17.3%	58.5	59.1	0.6	1.0%
18.5%	58.4	59.1	0.7	1.3%
19.8%	58.3	59.1	0.8	1.4%
21.0%	58.2	58.9	0.7	1.2%
22.2%	58.2	58.9	0.7	1.2%
23.5%	58.1	58.8	0.7	1.2%
24.7%	58.0	58.7	0.7	1.2%
25.9%	58.0	58.7	0.7	1.2%
27.2%	57.9	58.7	0.7	1.2%
28.4%	57.9	58.5	0.6	1.0%
29.6%	57.9	58.5	0.6	1.0%
30.9%	57.7	58.2	0.5	0.9%
32.1%	57.6	58.2	0.6	1.0%
33.3%	57.5	58.2	0.6	1.1%
34.6%	57.5	58.1	0.6	1.0%
35.8%	57.5	58.0	0.5	0.9%
37.0%	57.5	58.0	0.6	1.0%
38.3%	57.4	58.0	0.5	0.9%
39.5%	57.4	58.0	0.6	1.0%
40.7%	57.3	57.8	0.5	0.9%
42.0%	57.2	57.8	0.6	1.1%
43.2%	57.2	57.6	0.5	0.8%
44.4%	57.1	57.6	0.5	0.9%
45.7%	57.0	57.5	0.5	0.9%
46.9%	57.0	57.4	0.5	0.8%
48.1%	56.9	57.4	0.6	1.0%
49.4%	56.8	57.4	0.6	1.0%
50.6%	56.7	57.4	0.6	1.1%
51.9%	56.7	57.3	0.6	1.1%
53.1%	56.7	57.3	0.6	1.1%
54.3%	56.7	57.3	0.6	1.1%
55.6%	56.7	57.3	0.6	1.0%
56.8%	56.7	57.3	0.6	1.1%
58.0%	56.7	57.2	0.5	1.0%
59.3%	56.6	57.1	0.5	0.9%
60.5%	56.5	57.1	0.5	1.0%
61.7%	56.5	57.1	0.6	1.0%
63.0%	56.5	57.1	0.6	1.0%
64.2%	56.5	56.9	0.4	0.7%
65.4%	56.5	56.9	0.4	0.7%
66.7%	56.4	56.8	0.4	0.7%
67.9%	56.4	56.8	0.4	0.6%
69.1%	56.3	56.7	0.4	0.7%
70.4%	56.3	56.7	0.4	0.8%
71.6%	56.3	56.7	0.4	0.8%
72.8%	56.3	56.7	0.4	0.8%
74.1%	56.2	56.6	0.4	0.7%
75.3%	56.2	56.6	0.4	0.8%
76.5%	56.2	56.4	0.2	0.4%
77.8%	56.1	56.3	0.2	0.3%
79.0%	56.1	56.3	0.2	0.4%
80.2%	56.0	56.3	0.3	0.6%
81.5%	56.0	56.3	0.3	0.6%
82.7%	56.0	56.3	0.3	0.5%
84.0%	55.9	56.3	0.4	0.7%
85.2%	55.8	56.1	0.3	0.6%
86.4%	55.8	56.1	0.3	0.5%
87.7%	55.8	56.0	0.3	0.5%
88.9%	55.6	55.9	0.3	0.5%
90.1%	55.5	55.9	0.3	0.6%
91.4%	55.4	55.8	0.4	0.8%
92.6%	55.2	55.4	0.3	0.5%
93.8%	55.1	55.2	0.1	0.1%
95.1%	55.0	54.9	0.0	0.0%
96.3%	54.7	54.7	0.0	0.0%
97.5%	54.4	54.7	0.3	0.6%
98.8%	54.3	54.6	0.3	0.5%
100.0%	54.3	54.6	0.3	0.5%

Table SQ7-1b

Sacramento River at Red Bluff, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.0	60.9	-0.1	-0.2%
1.2%	60.6	60.8	0.2	0.3%
2.5%	60.6	60.1	-0.4	-0.7%
3.7%	60.5	60.1	-0.4	-0.7%
4.9%	60.3	60.0	-0.3	-0.6%
6.2%	60.3	59.9	-0.3	-0.5%
7.4%	60.1	59.9	-0.2	-0.3%
8.6%	59.7	59.9	0.2	0.3%
9.9%	59.6	59.8	0.2	0.3%
11.1%	59.5	59.6	0.1	0.1%
12.3%	59.4	59.3	-0.1	-0.2%
13.6%	59.4	59.3	0.0	-0.1%
14.8%	59.3	59.2	0.0	0.0%
16.0%	59.2	59.2	0.0	0.0%
17.3%	59.2	59.2	0.0	0.0%
18.5%	58.9	59.1	0.2	0.4%
19.8%	58.8	59.1	0.3	0.5%
21.0%	58.7	59.1	0.3	0.6%
22.2%	58.7	58.9	0.2	0.4%
23.5%	58.7	58.9	0.2	0.4%
24.7%	58.6	58.9	0.3	0.5%
25.9%	58.6	58.9	0.3	0.5%
27.2%	58.5	58.8	0.3	0.6%
28.4%	58.5	58.8	0.3	0.5%
29.6%	58.5	58.7	0.2	0.4%
30.9%	58.4	58.7	0.2	0.4%
32.1%	58.3	58.6	0.4	0.6%
33.3%	58.3	58.6	0.4	0.7%
34.6%	58.2	58.6	0.4	0.7%
35.8%	58.1	58.6	0.5	0.8%
37.0%	58.0	58.5	0.5	0.8%
38.3%	57.9	58.5	0.5	0.9%
39.5%	57.9	58.5	0.5	0.9%
40.7%	57.9	58.4	0.5	0.8%
42.0%	57.8	58.3	0.5	0.9%
43.2%	57.7	58.3	0.6	1.0%
44.4%	57.7	58.2	0.5	0.9%
45.7%	57.7	58.2	0.6	1.0%
46.9%	57.7	58.2	0.6	1.0%
48.1%	57.6	58.1	0.6	1.0%
49.4%	57.6	58.1	0.6	1.0%
50.6%	57.6	58.1	0.5	0.9%
51.9%	57.5	58.1	0.6	1.0%
53.1%	57.5	58.1	0.6	1.1%
54.3%	57.4	58.0	0.6	1.0%
55.6%	57.4	58.0	0.6	1.1%
56.8%	57.4	58.0	0.6	1.1%
58.0%	57.3	58.0	0.7	1.2%
59.3%	57.3	58.0	0.7	1.1%
60.5%	57.3	57.9	0.5	0.9%
61.7%	57.3	57.8	0.5	0.9%
63.0%	57.3	57.7	0.4	0.7%
64.2%	57.2	57.6	0.5	0.8%
65.4%	57.1	57.6	0.5	0.8%
66.7%	57.1	57.6	0.5	0.8%
67.9%	57.1	57.5	0.4	0.8%
69.1%	57.1	57.5	0.5	0.8%
70.4%	57.0	57.5	0.5	0.9%
71.6%	57.0	57.5	0.5	0.8%
72.8%	57.0	57.4	0.5	0.8%
74.1%	56.9	57.4	0.5	0.9%
75.3%	56.6	57.3	0.7	1.2%
76.5%	56.6	57.3	0.7	1.2%
77.8%	56.6	57.3	0.7	1.2%
79.0%	56.6	57.2	0.7	1.2%
80.2%	56.5	57.2	0.7	1.2%
81.5%	56.4	57.1	0.7	1.2%
82.7%	56.4	57.1	0.7	1.2%
84.0%	56.4	57.0	0.6	1.1%
85.2%	56.4	57.0	0.6	1.1%
86.4%	56.4	57.0	0.6	1.1%
87.7%	56.4	57.0	0.6	1.1%
88.9%	56.2	57.0	0.8	1.4%
90.1%	56.1	56.9	0.8	1.4%
91.4%	56.1	56.9	0.8	1.4%
92.6%	56.1	56.9	0.8	1.4%
93.8%	56.1	56.8	0.7	1.3%
95.1%	56.0	56.6	0.6	1.1%
96.3%	55.9	56.4	0.5	0.9%
97.5%	55.7	56.4	0.7	1.3%
98.8%	55.5	56.3	0.8	1.5%
100.0%	55.5	56.3	0.8	1.5%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	62.1	61.5	-0.6	-1.0%
1.2%	61.7	61.4	-0.2	-0.4%
2.5%	61.2	61.2	0.0	0.1%
3.7%	61.1	61.1	0.0	0.0%
4.9%	61.1	60.9	-0.1	-0.2%
6.2%	60.8	60.8	0.0	0.0%
7.4%	60.7	60.7	0.0	0.0%
8.6%	60.7	60.6	0.0	-0.1%
9.9%	60.6	60.6	0.0	0.0%
11.1%	60.6	60.6	0.0	0.0%
12.3%	60.5	60.4	-0.1	-0.2%
13.6%	60.4	60.4	0.0	0.1%
14.8%	60.3	60.3	0.0	0.1%
16.0%	60.1	60.3	0.2	0.4%
17.3%	59.9	60.1	0.2	0.3%
18.5%	59.7	60.1	0.4	0.6%
19.8%	59.6	60.1	0.4	0.7%
21.0%	59.6	59.9	0.3	0.4%
22.2%	59.6	59.7	0.1	0.2%
23.5%	59.5	59.7	0.1	0.2%
24.7%	59.5	59.7	0.1	0.2%
25.9%	59.5	59.6	0.1	0.2%
27.2%	59.4	59.6	0.2	0.4%
28.4%	59.4	59.6	0.2	0.3%
29.6%	59.4	59.5	0.1	0.2%
30.9%	59.3	59.5	0.1	0.3%
32.1%	59.3	59.5	0.2	0.4%
33.3%	59.2	59.5	0.2	0.4%
34.6%	59.1	59.4	0.3	0.5%
35.8%	59.1	59.3	0.3	0.4%
37.0%	59.0	59.3	0.3	0.4%
38.3%	59.0	59.3	0.3	0.4%
39.5%	58.9	59.0	0.1	0.2%
40.7%	58.8	59.0	0.2	0.3%
42.0%	58.8	59.0	0.2	0.3%
43.2%	58.8	59.0	0.2	0.3%
44.4%	58.6	58.8	0.2	0.4%
45.7%	58.6	58.8	0.2	0.3%
46.9%	58.5	58.7	0.2	0.3%
48.1%	58.4	58.7	0.3	0.5%
49.4%	58.4	58.7	0.3	0.5%
50.6%	58.3	58.7	0.3	0.6%
51.9%	58.3	58.6	0.3	0.6%
53.1%	58.3	58.6	0.3	0.6%
54.3%	58.2	58.5	0.3	0.5%
55.6%	58.1	58.5	0.4	0.7%
56.8%	58.1	58.4	0.4	0.6%
58.0%	58.0	58.4	0.4	0.7%
59.3%	58.0	58.4	0.4	0.7%
60.5%	58.0	58.4	0.4	0.6%
61.7%	58.0	58.3	0.2	0.4%
63.0%	57.9	58.2	0.3	0.5%
64.2%	57.9	58.2	0.3	0.5%
65.4%	57.8	58.2	0.4	0.6%
66.7%	57.8	58.2	0.4	0.6%
67.9%	57.8	58.1	0.3	0.6%
69.1%	57.8	58.0	0.2	0.4%
70.4%	57.7	58.0	0.2	0.4%
71.6%	57.7	58.0	0.2	0.4%
72.8%	57.7	57.9	0.2	0.4%
74.1%	57.6	57.9	0.2	0.4%
75.3%	57.6	57.8	0.2	0.4%
76.5%	57.6	57.8	0.2	0.3%
77.8%	57.6	57.7	0.2	0.3%
79.0%	57.5	57.7	0.2	0.4%
80.2%	57.5	57.7	0.2	0.4%
81.5%	57.5	57.7	0.2	0.4%
82.7%	57.3	57.5	0.2	0.4%
84.0%	57.3	57.5	0.2	0.4%
85.2%	57.2	57.5	0.3	0.5%
86.4%	57.1	57.4	0.3	0.5%
87.7%	57.0	57.3	0.3	0.5%
88.9%	57.0	57.1	0.1	0.3%
90.1%	56.9	57.0	0.0	0.1%
91.4%	56.9	56.9	0.0	0.0%
92.6%	56.8	56.9	0.1	0.2%
93.8%	56.7	56.9	0.2	0.4%
95.1%	56.7	56.9	0.2	0.4%
96.3%	56.6	56.8	0.2	0.3%
97.5%	56.6	56.7	0.2	0.3%
98.8%	56.5	56.7	0.2	0.4%
100.0%	56.5	56.7	0.2	0.4%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	69.2	64.6	-4.5	-6.5%
1.2%	63.2	62.0	-1.3	-2.0%
2.5%	63.1	61.8	-1.4	-2.2%
3.7%	63.0	61.5	-1.6	-2.5%
4.9%	62.3	61.3	-1.0	-1.6%
6.2%	62.2	61.3	-1.0	-1.5%
7.4%	62.1	61.2	-0.9	-1.5%
8.6%	62.0	61.2	-0.9	-1.4%
9.9%	61.9	61.1	-0.8	-1.3%
11.1%	61.8	61.0	-0.7	-1.2%
12.3%	61.8	61.0	-0.8	-1.2%
13.6%	61.4	61.0	-0.4	-0.7%
14.8%	61.4	60.9	-0.5	-0.8%
16.0%	61.4	60.9	-0.5	-0.8%
17.3%	61.4	60.9	-0.5	-0.7%
18.5%	61.3	60.9	-0.5	-0.7%
19.8%	61.3	60.8	-0.4	-0.7%
21.0%	61.2	60.8	-0.4	-0.7%
22.2%	61.2	60.7	-0.5	-0.8%
23.5%	61.1	60.7	-0.4	-0.6%
24.7%	61.0	60.7	-0.4	-0.6%
25.9%	61.0	60.7	-0.3	-0.5%
27.2%	61.0	60.6	-0.4	-0.6%
28.4%	60.9	60.6	-0.4	-0.6%
29.6%	60.9	60.5	-0.4	-0.6%
30.9%	60.9	60.5	-0.4	-0.6%
32.1%	60.9	60.4	-0.5	-0.8%
33.3%	60.7	60.3	-0.4	-0.6%
34.6%	60.6	60.2	-0.4	-0.7%
35.8%	60.6	60.2	-0.4	-0.6%
37.0%	60.5	60.2	-0.4	-0.6%
38.3%	60.5	60.2	-0.4	-0.6%
39.5%	60.5	60.1	-0.3	-0.6%
40.7%	60.4	60.1	-0.3	-0.5%
42.0%	60.3	60.1	-0.2	-0.4%
43.2%	60.2	60.1	-0.2	-0.3%
44.4%	60.2	60.0	-0.2	-0.3%
45.7%	60.2	60.0	-0.2	-0.4%
46.9%	60.2	60.0	-0.2	-0.3%
48.1%	60.1	60.0	-0.1	-0.2%
49.4%	60.1	60.0	-0.1	-0.2%
50.6%	60.1	59.9	-0.2	-0.3%
51.9%	60.0	59.9	-0.1	-0.2%
53.1%	59.9	59.8	-0.1	-0.1%
54.3%	59.9	59.8	-0.1	-0.2%
55.6%	59.7	59.8	0.1	0.1%
56.8%	59.7	59.7	0.1	0.1%
58.0%	59.6	59.7	0.1	0.2%
59.3%	59.6	59.6	0.1	0.1%
60.5%	59.5	59.6	0.1	0.2%
61.7%	59.5	59.6	0.1	0.2%
63.0%	59.5	59.6	0.1	0.2%
64.2%	59.4	59.6	0.1	0.2%
65.4%	59.4	59.5	0.1	0.2%
66.7%	59.4	59.4	0.1	0.1%
67.9%	59.3	59.4	0.0	0.1%
69.1%	59.3	59.3	-0.1	-0.1%
70.4%	59.3	59.2	-0.1	-0.1%
71.6%	59.3	59.2	-0.1	-0.1%
72.8%	59.3	59.2	-0.1	-0.2%
74.1%	59.1	59.2	0.0	0.1%
75.3%	59.1	59.1	0.0	0.0%
76.5%	59.1	59.0	-0.1	-0.2%
77.8%	59.1	58.9	-0.2	-0.3%
79.0%	59.0	58.9	-0.2	-0.3%
80.2%	59.0	58.7	-0.3	-0.5%
81.5%	59.0	58.7	-0.2	-0.4%
82.7%	58.9	58.7	-0.3	-0.4%
84.0%	58.9	58.7	-0.2	-0.4%
85.2%	58.9	58.7	-0.2	-0.4%
86.4%	58.9	58.6	-0.3	-0.5%
87.7%	58.9	58.5	-0.4	-0.6%
88.9%	58.8	58.4	-0.4	-0.7%
90.1%	58.6	58.3	-0.3	-0.5%
91.4%	58.5	58.2	-0.3	-0.5%
92.6%	58.3	58.1	-0.2	-0.3%
93.8%	58.0	58.0	0.1	0.1%
95.1%	57.4	58.0	0.6	1.0%
96.3%	57.3	57.9	0.7	1.2%
97.5%	57.0	57.9	0.9	1.6%
98.8%	56.8	57.9	1.0	1.8%
100.0%	56.8	57.9	1.0	1.8%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.9	68.4	0.5	0.7%
1.2%	67.0	64.3	-2.7	-4.1%
2.5%	66.7	63.8	-2.9	-4.3%
3.7%	64.5	62.5	-2.0	-3.0%
4.9%	64.1	62.2	-1.9	-2.9%
6.2%	63.4	62.0	-1.4	-2.2%
7.4%	62.9	61.7	-1.2	-1.8%
8.6%	62.7	61.7	-1.1	-1.7%
9.9%	62.7	61.4	-1.3	-2.1%
11.1%	62.6	61.4	-1.2	-1.9%
12.3%	62.4	61.3	-1.1	-1.7%
13.6%	62.3	61.2	-1.1	-1.8%
14.8%	62.2	61.1	-1.1	-1.7%
16.0%	62.2	61.0	-1.2	-2.0%
17.3%	62.2	60.9	-1.3	-2.1%
18.5%	61.8	60.7	-1.1	-1.8%
19.8%	61.6	60.7	-0.9	-1.4%
21.0%	61.5	60.7	-0.8	-1.3%
22.2%	61.4	60.5	-0.9	-1.4%
23.5%	61.3	60.5	-0.7	-1.2%
24.7%	61.2	60.5	-0.8	-1.3%
25.9%	61.2	60.5	-0.7	-1.1%
27.2%	61.1	60.5	-0.7	-1.1%
28.4%	61.1	60.5	-0.6	-1.0%
29.6%	61.1	60.5	-0.6	-1.0%
30.9%	60.9	60.3	-0.6	-1.0%
32.1%	60.7	60.2	-0.5	-0.9%
33.3%	60.7	60.1	-0.5	-0.9%
34.6%	60.6	60.1	-0.5	-0.9%
35.8%	60.6	60.1	-0.5	-0.8%
37.0%	60.3	60.1	-0.3	-0.4%
38.3%	60.0	60.0	0.0	0.1%
39.5%	59.9	60.0	0.1	0.1%
40.7%	59.8	59.8	0.0	0.0%
42.0%	59.6	59.6	0.0	-0.1%
43.2%	59.4	59.3	-0.1	-0.2%
44.4%	59.3	59.3	0.0	0.0%
45.7%	59.2	59.3	0.1	0.1%
46.9%	59.0	59.3	0.3	0.5%
48.1%	59.0	59.3	0.3	0.4%
49.4%	58.9	59.2	0.4	0.6%
50.6%	58.5	59.0	0.5	0.9%
51.9%	58.4	58.9	0.6	1.0%
53.1%	58.4	58.8	0.4	0.7%
54.3%	58.3	58.8	0.5	0.9%
55.6%	58.1	58.6	0.5	0.8%
56.8%	58.1	58.5	0.5	0.8%
58.0%	57.9	58.5	0.5	0.9%
59.3%	57.9	58.3	0.4	0.7%
60.5%	57.7	58.2	0.5	0.8%
61.7%	57.6	58.0	0.4	0.7%
63.0%	57.6	57.9	0.4	0.6%
64.2%	57.5	57.9	0.3	0.6%
65.4%	57.3	57.8	0.5	0.9%
66.7%	57.3	57.7	0.4	0.7%
67.9%	57.3	57.6	0.4	0.6%
69.1%	57.3	57.6	0.4	0.6%
70.4%	57.1	57.6	0.5	0.9%
71.6%	57.1	57.5	0.3	0.6%
72.8%	56.9	57.3	0.4	0.7%
74.1%	56.9	57.2	0.3	0.5%
75.3%	56.8	57.2	0.4	0.7%
76.5%	56.8	56.9	0.2	0.3%
77.8%	56.4	56.6	0.2	0.4%
79.0%	56.4	56.5	0.1	0.2%
80.2%	56.2	56.3	0.2	0.3%
81.5%	56.1	56.2	0.1	0.2%
82.7%	56.1	56.2	0.2	0.3%
84.0%	55.6	56.1	0.5	0.9%
85.2%	55.5	56.0	0.4	0.8%
86.4%	55.5	55.9	0.4	0.8%
87.7%	55.5	55.8	0.3	0.6%
88.9%	55.3	55.8	0.6	1.0%
90.1%	55.1	55.7	0.6	1.0%
91.4%	55.0	55.6	0.6	1.1%
92.6%	55.0	55.3	0.3	0.6%
93.8%	54.9	54.7	-0.2	-0.3%
95.1%	54.9	54.6	-0.3	-0.6%
96.3%	54.1	54.2	0.2	0.3%
97.5%	53.7	54.0	0.3	0.5%
98.8%	53.7	53.8	0.1	0.2%
100.0%	53.7	53.8	0.1	0.2%

Table SQ7-1b

Sacramento River at Red Bluff, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	64.6	63.5	-1.1	-1.7%
1.2%	62.1	61.6	-0.5	-0.8%
2.5%	61.8	61.0	-0.8	-1.3%
3.7%	61.7	60.9	-0.8	-1.3%
4.9%	61.5	60.8	-0.7	-1.1%
6.2%	61.4	60.8	-0.5	-0.9%
7.4%	61.3	60.7	-0.6	-0.9%
8.6%	60.7	60.7	0.0	0.0%
9.9%	60.5	60.4	-0.2	-0.3%
11.1%	60.5	60.2	-0.3	-0.5%
12.3%	60.5	60.2	-0.3	-0.4%
13.6%	60.4	60.2	-0.2	-0.4%
14.8%	60.4	60.2	-0.2	-0.4%
16.0%	60.3	60.0	-0.3	-0.4%
17.3%	60.3	60.0	-0.3	-0.4%
18.5%	60.3	59.9	-0.3	-0.5%
19.8%	60.1	59.8	-0.3	-0.4%
21.0%	59.9	59.8	-0.1	-0.2%
22.2%	59.9	59.7	-0.2	-0.3%
23.5%	59.9	59.7	-0.2	-0.3%
24.7%	59.8	59.7	-0.2	-0.3%
25.9%	59.8	59.7	-0.2	-0.3%
27.2%	59.8	59.6	-0.2	-0.3%
28.4%	59.7	59.6	-0.1	-0.2%
29.6%	59.7	59.5	-0.1	-0.2%
30.9%	59.7	59.5	-0.2	-0.3%
32.1%	59.7	59.4	-0.2	-0.4%
33.3%	59.6	59.3	-0.3	-0.5%
34.6%	59.5	59.3	-0.2	-0.3%
35.8%	59.4	59.3	-0.1	-0.2%
37.0%	59.4	59.3	-0.1	-0.2%
38.3%	59.3	59.3	0.0	0.0%
39.5%	59.2	59.3	0.1	0.1%
40.7%	59.2	59.3	0.1	0.1%
42.0%	59.1	59.3	0.1	0.2%
43.2%	59.0	59.3	0.2	0.4%
44.4%	59.0	59.1	0.1	0.2%
45.7%	59.0	59.1	0.1	0.2%
46.9%	59.0	59.0	0.0	0.1%
48.1%	58.9	59.0	0.1	0.1%
49.4%	58.6	58.9	0.3	0.5%
50.6%	58.6	58.8	0.3	0.5%
51.9%	58.6	58.7	0.2	0.3%
53.1%	58.5	58.7	0.1	0.2%
54.3%	58.5	58.6	0.1	0.2%
55.6%	58.5	58.5	0.1	0.1%
56.8%	58.4	58.5	0.1	0.2%
58.0%	58.3	58.5	0.2	0.3%
59.3%	58.3	58.5	0.2	0.3%
60.5%	58.3	58.5	0.1	0.2%
61.7%	58.3	58.4	0.1	0.2%
63.0%	58.3	58.4	0.1	0.2%
64.2%	58.2	58.4	0.2	0.3%
65.4%	58.2	58.4	0.2	0.4%
66.7%	58.2	58.4	0.3	0.4%
67.9%	58.1	58.3	0.2	0.4%
69.1%	58.1	58.3	0.3	0.4%
70.4%	58.0	58.3	0.4	0.6%
71.6%	58.0	58.3	0.3	0.6%
72.8%	57.9	58.3	0.3	0.6%
74.1%	57.9	58.3	0.4	0.6%
75.3%	57.9	58.1	0.2	0.3%
76.5%	57.8	58.1	0.2	0.4%
77.8%	57.8	58.0	0.2	0.4%
79.0%	57.7	58.0	0.3	0.5%
80.2%	57.7	58.0	0.3	0.6%
81.5%	57.5	58.0	0.5	0.8%
82.7%	57.5	58.0	0.5	0.9%
84.0%	57.4	57.8	0.4	0.7%
85.2%	57.3	57.8	0.4	0.7%
86.4%	57.3	57.6	0.3	0.5%
87.7%	57.1	57.4	0.2	0.4%
88.9%	57.1	57.4	0.3	0.5%
90.1%	57.0	57.3	0.3	0.4%
91.4%	57.0	57.3	0.2	0.4%
92.6%	56.9	57.2	0.2	0.4%
93.8%	56.7	57.1	0.4	0.7%
95.1%	56.7	57.1	0.4	0.7%
96.3%	56.7	56.9	0.3	0.5%
97.5%	56.4	56.6	0.3	0.5%
98.8%	56.2	56.4	0.1	0.2%
100.0%	55.8	55.7	-0.1	-0.2%

July to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.4	64.8	-1.6	-2.4%
1.2%	63.2	62.4	-0.8	-1.3%
2.5%	62.9	61.9	-1.0	-1.6%
3.7%	62.6	61.7	-0.9	-1.4%
4.9%	62.5	61.5	-1.1	-1.7%
6.2%	62.0	61.2	-0.9	-1.4%
7.4%	62.0	61.0	-1.0	-1.7%
8.6%	61.8	61.0	-0.8	-1.3%
9.9%	61.1	60.9	-0.2	-0.4%
11.1%	61.1	60.8	-0.3	-0.5%
12.3%	61.1	60.8	-0.3	-0.5%
13.6%	61.1	60.8	-0.3	-0.5%
14.8%	60.9	60.8	-0.2	-0.3%
16.0%	60.9	60.7	-0.2	-0.3%
17.3%	60.8	60.5	-0.4	-0.6%
18.5%	60.8	60.4	-0.4	-0.6%
19.8%	60.8	60.4	-0.4	-0.6%
21.0%	60.7	60.2	-0.5	-0.8%
22.2%	60.7	60.1	-0.6	-1.0%
23.5%	60.7	60.1	-0.6	-1.0%
24.7%	60.6	60.1	-0.5	-0.9%
25.9%	60.5	60.0	-0.4	-0.7%
27.2%	60.4	60.0	-0.4	-0.7%
28.4%	60.4	60.0	-0.4	-0.7%
29.6%	60.1	60.0	-0.2	-0.3%
30.9%	60.0	59.9	-0.1	-0.2%
32.1%	60.0	59.9	-0.2	-0.3%
33.3%	60.0	59.8	-0.2	-0.3%
34.6%	59.7	59.7	0.0	0.1%
35.8%	59.7	59.6	0.0	-0.1%
37.0%	59.5	59.6	0.1	0.2%
38.3%	59.5	59.6	0.1	0.2%
39.5%	59.5	59.5	0.1	0.1%
40.7%	59.5	59.5	0.0	0.0%
42.0%	59.4	59.4	0.0	0.0%
43.2%	59.4	59.4	0.0	0.0%
44.4%	59.0	59.3	0.3	0.4%
45.7%	59.0	59.1	0.0	0.1%
46.9%	59.0	59.1	0.0	0.1%
48.1%	59.0	59.0	0.0	0.1%
49.4%	58.9	59.0	0.1	0.2%
50.6%	58.9	59.0	0.1	0.1%
51.9%	58.9	58.9	0.0	0.1%
53.1%	58.8	58.8	0.0	0.1%
54.3%	58.8	58.8	0.0	0.1%
55.6%	58.8	58.8	0.0	-0.1%
56.8%	58.7	58.8	0.0	0.1%
58.0%	58.7	58.6	-0.1	-0.2%
59.3%	58.7	58.5	-0.1	-0.3%
60.5%	58.6	58.5	-0.1	-0.3%
61.7%	58.6	58.5	-0.1	-0.2%
63.0%	58.5	58.5	0.0	-0.1%
64.2%	58.5	58.5	0.0	-0.1%
65.4%	58.5	58.5	0.0	0.0%
66.7%	58.4	58.4	0.0	0.0%
67.9%	58.3	58.4	0.1	0.2%
69.1%	58.3	58.4	0.1	0.2%
70.4%	58.2	58.4	0.1	0.2%
71.6%	58.2	58.3	0.1	0.2%
72.8%	58.2	58.3	0.1	0.2%
74.1%	58.1	58.3	0.2	0.3%
75.3%	58.0	58.3	0.3	0.4%
76.5%	58.0	58.2	0.3	0.5%
77.8%	57.9	58.2	0.3	0.5%
79.0%	57.9	58.2	0.3	0.6%
80.2%	57.8	58.2	0.4	0.6%
81.5%	57.7	58.2	0.4	0.8%
82.7%	57.7	58.1	0.5	0.8%
84.0%	57.6	58.1	0.4	0.8%
85.2%	57.5	58.0	0.5	0.9%
86.4%	57.4	57.9	0.5	0.8%
87.7%	57.4	57.7	0.3	0.6%
88.9%	57.2	57.5	0.2	0.4%
90.1%	57.2	57.2	-0.1	-0.1%
91.4%	57.2	57.1	-0.1	-0.2%
92.6%	56.9	57.0	0.1	0.2%
93.8%	56.9	57.0	0.1	0.2%
95.1%	56.7	56.9	0.2	0.3%
96.3%	56.7	56.8	0.1	0.1%
97.5%	56.6	56.5	-0.1	-0.2%
98.8%	56.3	56.4	0.1	0.2%
100.0%	55.7	55.5	-0.2	-0.4%

August to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	68.5	66.5	-2.0	-2.9%
1.2%	64.6	62.9	-1.8	-2.7%
2.5%	64.5	62.6	-1.9	-3.0%
3.7%	63.9	62.2	-1.6	-2.5%
4.9%	63.6	61.9	-1.7	-2.7%
6.2%	62.7	61.5	-1.2	-1.9%
7.4%	62.5	61.3	-1.2	-1.9%
8.6%	62.2	61.2	-1.0	-1.5%
9.9%	62.1	61.1	-1.0	-1.6%
11.1%	62.1	61.0	-1.0	-1.6%
12.3%	61.8	61.0	-0.8	-1.2%
13.6%	61.7	60.9	-0.8	-1.3%
14.8%	61.6	60.9	-0.7	-1.2%
16.0%	61.6	60.8	-0.8	-1.2%
17.3%	61.6	60.8	-0.8	-1.2%
18.5%	61.5	60.8	-0.7	-1.1%
19.8%	61.4	60.7	-0.6	-1.1%
21.0%	61.3	60.7	-0.6	-0.9%
22.2%	61.2	60.6	-0.6	-1.0%
23.5%	61.1	60.5	-0.6	-1.0%
24.7%	61.1	60.3	-0.7	-1.2%
25.9%	61.0	60.3	-0.7	-1.1%
27.2%	61.0	60.3	-0.6	-1.1%
28.4%	60.9	60.3	-0.6	-1.0%
29.6%	60.9	60.3	-0.6	-0.9%
30.9%	60.5	60.3	-0.2	-0.4%
32.1%	60.5	60.3	-0.2	-0.3%
33.3%	60.4	60.3	-0.2	-0.3%
34.6%	60.1	60.1	0.0	0.1%
35.8%	60.0	60.1	0.1	0.1%
37.0%	59.9	59.8	-0.1	-0.1%
38.3%	59.8	59.7	-0.1	-0.1%
39.5%	59.8	59.7	-0.1	-0.1%
40.7%	59.7	59.6	-0.1	-0.2%
42.0%	59.7	59.6	-0.2	-0.3%
43.2%	59.7	59.5	-0.2	-0.3%
44.4%	59.7	59.4	-0.3	-0.5%
45.7%	59.6	59.4	-0.2	-0.3%
46.9%	59.4	59.4	-0.1	-0.2%
48.1%	59.4	59.3	0.0	0.0%
49.4%	59.3	59.3	0.0	-0.1%
50.6%	59.3	59.3	-0.1	-0.1%
51.9%	59.2	59.3	0.1	0.2%
53.1%	59.1	59.2	0.0	0.0%
54.3%	59.1	59.1	0.0	0.0%
55.6%	59.0	59.0	0.0	-0.1%
56.8%	58.9	58.8	-0.1	-0.1%
58.0%	58.9	58.8	-0.1	-0.1%
59.3%	58.9	58.8	-0.1	-0.1%
60.5%	58.8	58.8	0.0	0.0%
61.7%	58.7	58.8	0.1	0.1%
63.0%	58.7	58.8	0.1	0.1%
64.2%	58.6	58.7	0.1	0.2%
65.4%	58.5	58.7	0.2	0.4%
66.7%	58.5	58.6	0.2	0.3%
67.9%	58.5	58.6	0.2	0.3%
69.1%	58.4	58.6	0.2	0.3%
70.4%	58.2	58.5	0.4	0.6%
71.6%	58.1	58.5	0.4	0.7%
72.8%	58.1	58.4	0.3	0.5%
74.1%	58.1	58.3	0.2	0.3%
75.3%	58.1	58.3	0.2	0.3%
76.5%	58.1	58.3	0.2	0.3%
77.8%	58.1	58.3	0.2	0.3%
79.0%	58.0	58.2	0.3	0.5%
80.2%	57.8	58.1	0.3	0.5%
81.5%	57.8	58.0	0.1	0.2%
82.7%	57.8	57.9	0.1	0.2%
84.0%	57.7	57.8	0.1	0.2%
85.2%	57.6	57.8	0.2	0.3%
86.4%	57.5	57.7	0.3	0.5%
87.7%	57.3	57.6	0.3	0.5%
88.9%	57.3	57.4	0.1	0.2%
90.1%	57.1	57.3	0.2	0.3%
91.4%	57.1	57.1	0.0	0.0%
92.6%	57.0	56.9	-0.1	-0.1%
93.8%	56.6	56.9	0.3	0.5%
95.1%	56.3	56.6	0.3	0.6%
96.3%	56.2	56.4	0.2	0.3%
97.5%	56.1	56.1	-0.1	-0.1%
98.8%	56.1	56.0	-0.1	-0.2%
100.0%	55.2	54.8	-0.4	-0.6%

Figure SQ8-1b
Sacramento River below Red Bluff, Monthly Temperature
Probability of Exceedance

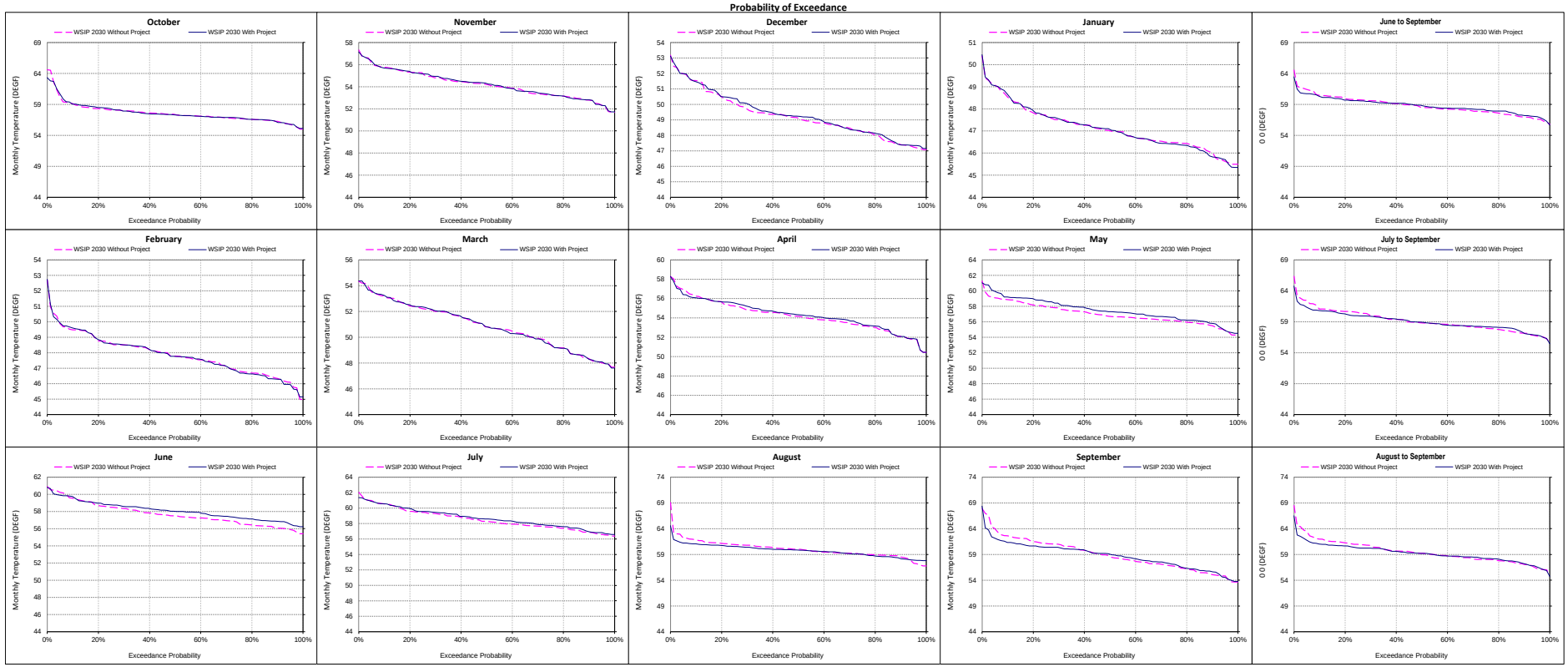


Table SQ8-1b

Sacramento River below Red Bluff, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	64.6	63.3	-1.3	-2.0%
1.2%	64.5	62.8	-1.7	-2.7%
2.5%	62.6	62.7	0.1	0.2%
3.7%	61.4	61.5	0.2	0.3%
4.9%	60.2	60.7	0.5	0.8%
6.2%	59.4	59.9	0.5	0.8%
7.4%	59.3	59.4	0.1	0.1%
8.6%	59.2	59.4	0.2	0.3%
9.9%	59.1	59.1	-0.1	-0.1%
11.1%	58.9	59.0	0.2	0.3%
12.3%	58.8	58.9	0.1	0.2%
13.6%	58.6	58.9	0.2	0.4%
14.8%	58.5	58.9	0.3	0.5%
16.0%	58.5	58.7	0.2	0.4%
17.3%	58.4	58.7	0.3	0.5%
18.5%	58.3	58.6	0.3	0.5%
19.8%	58.3	58.5	0.2	0.3%
21.0%	58.3	58.5	0.2	0.3%
22.2%	58.3	58.4	0.1	0.3%
23.5%	58.2	58.4	0.3	0.4%
24.7%	58.1	58.3	0.2	0.4%
25.9%	58.1	58.1	0.1	0.1%
27.2%	58.1	58.1	0.0	0.0%
28.4%	58.1	58.1	0.0	0.0%
29.6%	58.0	57.9	0.0	-0.1%
30.9%	58.0	57.9	0.0	-0.1%
32.1%	57.9	57.9	-0.1	-0.1%
33.3%	57.9	57.8	-0.2	-0.3%
34.6%	57.9	57.8	-0.1	-0.2%
35.8%	57.8	57.7	0.0	0.0%
37.0%	57.8	57.6	-0.2	-0.3%
38.3%	57.6	57.6	-0.1	-0.1%
39.5%	57.6	57.5	-0.1	-0.3%
40.7%	57.6	57.5	-0.1	-0.2%
42.0%	57.6	57.4	-0.1	-0.2%
43.2%	57.5	57.4	-0.1	-0.2%
44.4%	57.5	57.4	-0.1	-0.2%
45.7%	57.5	57.4	0.0	-0.1%
46.9%	57.4	57.4	0.0	-0.1%
48.1%	57.4	57.4	0.0	-0.1%
49.4%	57.4	57.3	-0.1	-0.2%
50.6%	57.3	57.3	0.0	0.0%
51.9%	57.3	57.2	0.0	0.0%
53.1%	57.2	57.2	0.0	0.0%
54.3%	57.2	57.2	0.0	0.0%
55.6%	57.2	57.2	0.0	0.0%
56.8%	57.2	57.2	0.0	0.0%
58.0%	57.2	57.1	-0.1	-0.1%
59.3%	57.1	57.1	0.0	0.0%
60.5%	57.1	57.1	0.0	-0.1%
61.7%	57.1	57.0	-0.1	-0.1%
63.0%	57.1	57.0	-0.1	-0.1%
64.2%	57.0	57.0	0.0	0.0%
65.4%	57.0	56.9	0.0	-0.1%
66.7%	57.0	56.9	0.0	-0.1%
67.9%	56.9	56.9	0.0	0.0%
69.1%	56.9	56.9	0.0	0.1%
70.4%	56.8	56.9	0.1	0.2%
71.6%	56.8	56.9	0.1	0.2%
72.8%	56.7	56.9	0.2	0.3%
74.1%	56.7	56.9	0.2	0.3%
75.3%	56.7	56.8	0.1	0.2%
76.5%	56.7	56.7	0.0	0.1%
77.8%	56.6	56.6	0.0	0.0%
79.0%	56.6	56.6	0.0	0.0%
80.2%	56.6	56.6	0.0	0.1%
81.5%	56.6	56.6	0.0	0.0%
82.7%	56.5	56.5	0.0	0.0%
84.0%	56.5	56.5	0.0	0.0%
85.2%	56.5	56.5	0.0	0.1%
86.4%	56.4	56.5	0.0	0.0%
87.7%	56.4	56.4	0.0	0.1%
88.9%	56.3	56.3	0.1	0.1%
90.1%	56.3	56.1	-0.2	-0.3%
91.4%	56.1	56.1	0.0	-0.1%
92.6%	55.9	56.0	0.1	0.3%
93.8%	55.9	55.9	0.0	-0.1%
95.1%	55.8	55.8	0.0	0.0%
96.3%	55.6	55.8	0.2	0.3%
97.5%	55.4	55.3	0.0	0.0%
98.8%	55.0	55.1	0.1	0.2%
100.0%	55.0	55.1	0.0	0.2%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.3	57.1	-0.2	-0.3%
1.2%	56.8	56.8	0.0	0.1%
2.5%	56.6	56.7	0.0	0.0%
3.7%	56.6	56.5	-0.1	-0.1%
4.9%	56.2	56.3	0.2	0.3%
6.2%	55.9	56.0	0.1	0.1%
7.4%	55.9	55.9	0.0	0.0%
8.6%	55.8	55.8	0.0	-0.1%
9.9%	55.8	55.7	-0.1	-0.2%
11.1%	55.7	55.7	-0.1	-0.1%
12.3%	55.7	55.6	0.0	-0.1%
13.6%	55.6	55.6	0.0	-0.1%
14.8%	55.6	55.6	0.0	0.0%
16.0%	55.5	55.5	0.1	0.1%
17.3%	55.4	55.5	0.0	0.1%
18.5%	55.3	55.4	0.1	0.2%
19.8%	55.3	55.4	0.1	0.2%
21.0%	55.3	55.3	0.0	-0.1%
22.2%	55.3	55.3	0.0	0.0%
23.5%	55.3	55.2	-0.1	-0.1%
24.7%	55.3	55.2	-0.1	-0.2%
25.9%	55.0	55.2	0.2	0.3%
27.2%	54.9	55.1	0.2	0.3%
28.4%	54.9	55.0	0.0	0.1%
29.6%	54.8	54.9	0.1	0.2%
30.9%	54.8	54.9	0.1	0.2%
32.1%	54.8	54.8	0.0	0.1%
33.3%	54.6	54.7	0.1	0.2%
34.6%	54.6	54.7	0.2	0.3%
35.8%	54.6	54.7	0.1	0.2%
37.0%	54.5	54.6	0.1	0.2%
38.3%	54.5	54.6	0.1	0.2%
39.5%	54.4	54.5	0.1	0.1%
40.7%	54.4	54.5	0.0	0.1%
42.0%	54.4	54.4	0.0	0.1%
43.2%	54.4	54.4	0.0	0.1%
44.4%	54.3	54.4	0.1	0.1%
45.7%	54.3	54.4	0.1	0.2%
46.9%	54.3	54.4	0.1	0.2%
48.1%	54.3	54.4	0.1	0.2%
49.4%	54.2	54.3	0.1	0.2%
50.6%	54.2	54.3	0.1	0.1%
51.9%	54.1	54.2	0.1	0.2%
53.1%	54.0	54.1	0.1	0.1%
54.3%	54.0	54.1	0.1	0.2%
55.6%	54.0	54.1	0.1	0.2%
56.8%	54.0	54.0	0.0	0.0%
58.0%	54.0	53.9	-0.1	-0.2%
59.3%	53.9	53.9	0.0	0.0%
60.5%	53.9	53.8	0.0	0.0%
61.7%	53.8	53.6	-0.2	-0.3%
63.0%	53.8	53.6	-0.2	-0.3%
64.2%	53.7	53.6	-0.1	-0.1%
65.4%	53.5	53.6	0.1	0.2%
66.7%	53.4	53.6	0.1	0.2%
67.9%	53.4	53.6	0.2	0.3%
69.1%	53.4	53.5	0.1	0.3%
70.4%	53.3	53.4	0.1	0.2%
71.6%	53.3	53.4	0.0	0.1%
72.8%	53.3	53.4	0.1	0.2%
74.1%	53.3	53.3	0.1	0.1%
75.3%	53.3	53.3	0.0	0.0%
76.5%	53.2	53.2	0.0	0.0%
77.8%	53.2	53.2	0.0	0.0%
79.0%	53.2	53.2	0.0	0.1%
80.2%	53.1	53.1	0.0	0.0%
81.5%	53.1	53.0	-0.1	-0.1%
82.7%	53.1	53.0	-0.1	-0.2%
84.0%	53.0	52.9	-0.1	-0.2%
85.2%	52.9	52.9	0.0	-0.1%
86.4%	52.9	52.9	-0.1	-0.1%
87.7%	52.9	52.8	0.0	0.0%
88.9%	52.8	52.8	0.0	0.0%
90.1%	52.8	52.8	0.0	0.0%
91.4%	52.7	52.8	0.0	0.1%
92.6%	52.5	52.4	-0.1	-0.2%
93.8%	52.5	52.4	0.0	-0.1%
95.1%	52.3	52.3	0.0	0.0%
96.3%	52.2	52.3	0.1	0.1%
97.5%	51.8	51.8	0.1	0.1%
98.8%	51.7	51.7	0.0	0.1%
100.0%	51.7	51.7	0.0	0.1%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.2	53.1	-0.1	-0.1%
1.2%	52.5	52.7	0.3	0.5%
2.5%	52.4	52.4	0.0	0.0%
3.7%	52.1	52.0	0.0	-0.1%
4.9%	52.0	52.0	0.0	0.0%
6.2%	51.9	52.0	0.0	0.1%
7.4%	51.6	51.7	0.1	0.1%
8.6%	51.5	51.5	0.0	0.0%
9.9%	51.5	51.5	-0.1	-0.1%
11.1%	51.5	51.4	-0.1	-0.2%
12.3%	51.4	51.3	-0.1	-0.2%
13.6%	50.8	51.2	0.4	0.8%
14.8%	50.8	51.0	0.2	0.3%
16.0%	50.8	50.9	0.1	0.3%
17.3%	50.7	50.9	0.2	0.4%
18.5%	50.7	50.7	0.1	0.1%
19.8%	50.5	50.5	0.0	0.0%
21.0%	50.4	50.5	0.1	0.2%
22.2%	50.3	50.5	0.2	0.4%
23.5%	50.2	50.4	0.2	0.4%
24.7%	50.0	50.4	0.3	0.7%
25.9%	50.0	50.4	0.4	0.7%
27.2%	49.9	50.1	0.2	0.5%
28.4%	49.8	50.1	0.3	0.5%
29.6%	49.7	50.1	0.3	0.7%
30.9%	49.6	50.0	0.4	0.8%
32.1%	49.5	49.8	0.3	0.6%
33.3%	49.5	49.7	0.3	0.5%
34.6%	49.5	49.6	0.2	0.3%
35.8%	49.5	49.6	0.1	0.2%
37.0%	49.4	49.6	0.1	0.3%
38.3%	49.4	49.5	0.1	0.3%
39.5%	49.4	49.5	0.1	0.2%
40.7%	49.4	49.4	0.0	0.1%
42.0%	49.4	49.3	0.0	0.0%
43.2%	49.4	49.3	0.0	-0.1%
44.4%	49.3	49.3	0.0	0.0%
45.7%	49.2	49.3	0.1	0.1%
46.9%	49.2	49.3	0.1	0.2%
48.1%	49.2	49.2	0.1	0.2%
49.4%	49.2	49.2	0.1	0.2%
50.6%	49.0	49.2	0.2	0.4%
51.9%	49.0	49.2	0.2	0.4%
53.1%	48.9	49.2	0.3	0.5%
54.3%	48.9	49.2	0.3	0.5%
55.6%	48.9	49.2	0.3	0.6%
56.8%	48.8	49.1	0.2	0.5%
58.0%	48.8	49.0	0.2	0.5%
59.3%	48.8	48.9	0.2	0.3%
60.5%	48.8	48.8	0.0	0.1%
61.7%	48.7	48.8	0.1	0.2%
63.0%	48.7	48.8	0.1	0.1%
64.2%	48.7	48.7	0.0	0.0%
65.4%	48.6	48.7	0.0	0.0%
66.7%	48.6	48.6	0.0	0.0%
67.9%	48.5	48.5	0.0	-0.1%
69.1%	48.5	48.5	-0.1	-0.1%
70.4%	48.5	48.4	-0.1	-0.2%
71.6%	48.3	48.4	0.0	0.0%
72.8%	48.3	48.3	0.0	0.0%
74.1%	48.3	48.3	0.0	0.1%
75.3%	48.2	48.2	0.0	-0.1%
76.5%	48.2	48.2	0.0	-0.1%
77.8%	48.2	48.2	0.0	-0.1%
79.0%	48.1	48.2	0.1	0.1%
80.2%	48.0	48.1	0.1	0.3%
81.5%	48.0	48.1	0.1	0.3%
82.7%	47.8	48.0	0.3	0.6%
84.0%	47.6	47.9	0.3	0.6%
85.2%	47.6	47.8	0.2	0.3%
86.4%	47.6	47.7	0.1	0.1%
87.7%	47.5	47.6	0.1	0.2%
88.9%	47.5	47.4	0.0	-0.1%
90.1%	47.4	47.4	0.0	0.0%
91.4%	47.4	47.4	0.0	0.0%
92.6%	47.3	47.4	0.0	0.1%
93.8%	47.3	47.4	0.0	0.1%
95.1%	47.2	47.3	0.1	0.2%
96.3%	47.2	47.3	0.2	0.3%
97.5%	47.2	47.3	0.1	0.3%
98.8%	47.1	47.2	0.1	0.2%
100.0%	47.1	47.2	0.1	0.2%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	50.4	50.5	0.1	0.1%
1.2%	49.4	49.4	0.0	0.1%
2.5%	49.3	49.3	0.0	0.1%
3.7%	49.1	49.1	-0.1	-0.1%
4.9%	49.1	49.0	0.0	0.0%
6.2%	49.0	49.0	0.0	0.0%
7.4%	48.8	48.9	0.1	0.2%
8.6%	48.7	48.8	0.1	0.3%
9.9%	48.5	48.7	0.1	0.2%
11.1%	48.4	48.5	0.1	0.1%
12.3%	48.3	48.3	-0.1	-0.1%
13.6%	48.3	48.2	0.0	-0.1%
14.8%	48.3	48.2	-0.1	-0.1%
16.0%	48.1	48.1	0.0	0.0%
17.3%	47.9	48.1	0.2	0.3%
18.5%	47.9	48.0	0.1	0.3%
19.8%	47.8	47.9	0.1	0.2%
21.0%	47.8	47.8	0.1	0.1%
22.2%	47.8	47.8	0.0	0.1%
23.5%	47.7	47.7	0.0	0.0%
24.7%	47.7	47.7	0.0	-0.1%
25.9%	47.6	47.6	0.0	0.1%
27.2%	47.6	47.6	0.0	0.1%
28.4%	47.5	47.6	0.1	0.2%
29.6%	47.5	47.6	0.1	0.1%
30.9%	47.5	47.5	0.0	0.0%
32.1%	47.5	47.4	-0.1	-0.1%
33.3%	47.4	47.4	0.0	-0.1%
34.6%	47.4	47.4	0.0	-0.1%
35.8%	47.4	47.4	0.0	0.1%
37.0%	47.3	47.4	0.1	0.1%
38.3%	47.3	47.3	0.0	0.0%
39.5%	47.3	47.3	0.0	0.0%
40.7%	47.3	47.3	0.0	0.0%
42.0%	47.3	47.2	0.0	-0.1%
43.2%	47.2	47.2	0.0	-0.1%
44.4%	47.1	47.2	0.0	0.1%
45.7%	47.1	47.1	0.0	0.1%
46.9%	47.1	47.1	0.0	0.0%
48.1%	47.0	47.1	0.1	0.1%
49.4%	47.0	47.1	0.1	0.2%
50.6%	47.0	47.0	0.1	0.1%
51.9%	47.0	47.0	0.0	0.1%
53.1%	47.0	47.0	0.0	0.0%
54.3%	47.0	46.9	0.0	-0.1%
55.6%	47.0	46.9	-0.1	-0.2%
56.8%	46.8	46.8	0.0	0.0%
58.0%	46.8	46.8	0.0	0.0%
59.3%	46.7	46.7	0.0	0.0%
60.5%	46.7	46.7	0.0	0.0%
61.7%	46.7	46.7	0.0	0.0%
63.0%	46.7	46.7	0.0	0.0%
64.2%	46.6	46.6	0.0	0.1%
65.4%	46.6	46.6	0.0	0.1%
66.7%	46.6	46.5	0.0	0.0%
67.9%	46.6	46.5	-0.1	-0.1%
69.1%	46.5	46.5	-0.1	-0.2%
70.4%	46.5	46.4	-0.1	-0.2%
71.6%	46.5	46.4	-0.1	-0.1%
72.8%	46.5	46.4	-0.1	-0.1%
74.1%	46.5	46.4	-0.1	-0.1%
75.3%	46.5	46.4	-0.1	-0.1%
76.5%	46.5	46.4	-0.1	-0.2%
77.8%	46.4	46.4	-0.1	-0.2%
79.0%	46.4	46.4	-0.1	-0.2%
80.2%	46.4	46.3	-0.1	-0.2%
81.5%	46.4	46.3	-0.1	-0.2%
82.7%	46.3	46.3	-0.1	-0.1%
84.0%	46.3	46.2	0.0	-0.1%
85.2%	46.3	46.1	-0.1	-0.3%
86.4%	46.2	46.1	-0.1	-0.3%
87.7%	46.1	46.0	-0.1	-0.2%
88.9%	46.1	45.9	-0.2	-0.4%
90.1%	46.0	45.8	-0.2	-0.4%
91.4%	45.8	45.8	0.0	0.1%
92.6%	45.7	45.8	0.1	0.2%
93.8%	45.7	45.7	0.1	0.1%
95.1%	45.6	45.7	0.1	0.2%
96.3%	45.6	45.5	-0.1	-0.1%
97.5%	45.5	45.4	-0.1	-0.3%
98.8%	45.5	45.3	-0.2	-0.3%
100.0%	45.5	45.3	-0.2	-0.3%

Table SQ8-1b

Sacramento River below Red Bluff, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.7	52.7	0.0	0.1%
1.2%	50.9	51.2	0.2	0.4%
2.5%	50.6	50.3	-0.2	-0.5%
3.7%	50.4	50.1	-0.2	-0.4%
4.9%	49.9	49.9	0.0	0.1%
6.2%	49.7	49.7	0.1	0.1%
7.4%	49.7	49.7	0.1	0.1%
8.6%	49.5	49.7	0.1	0.3%
9.9%	49.5	49.6	0.1	0.2%
11.1%	49.5	49.6	0.1	0.2%
12.3%	49.5	49.5	0.1	0.1%
13.6%	49.4	49.5	0.0	0.0%
14.8%	49.4	49.5	0.0	0.1%
16.0%	49.3	49.3	0.0	0.0%
17.3%	49.2	49.2	0.0	0.0%
18.5%	49.0	49.0	0.0	0.0%
19.8%	48.8	48.9	0.1	0.2%
21.0%	48.8	48.8	0.0	0.1%
22.2%	48.8	48.6	-0.1	-0.2%
23.5%	48.7	48.6	-0.1	-0.1%
24.7%	48.6	48.6	-0.1	-0.1%
25.9%	48.5	48.6	0.1	0.1%
27.2%	48.5	48.6	0.0	0.1%
28.4%	48.5	48.5	0.0	0.1%
29.6%	48.5	48.5	0.0	0.0%
30.9%	48.5	48.5	0.0	0.0%
32.1%	48.5	48.5	0.0	0.0%
33.3%	48.5	48.4	0.0	0.0%
34.6%	48.4	48.4	0.0	0.1%
35.8%	48.4	48.4	0.1	0.1%
37.0%	48.4	48.4	0.1	0.1%
38.3%	48.3	48.4	0.0	0.1%
39.5%	48.2	48.3	0.0	0.0%
40.7%	48.1	48.1	0.0	0.1%
42.0%	48.1	48.1	0.0	0.0%
43.2%	48.1	48.0	0.0	-0.1%
44.4%	48.0	48.0	0.0	-0.1%
45.7%	48.0	48.0	0.0	0.0%
46.9%	48.0	47.9	-0.1	-0.1%
48.1%	47.8	47.8	0.0	-0.1%
49.4%	47.8	47.8	0.0	0.0%
50.6%	47.8	47.8	0.0	0.0%
51.9%	47.8	47.8	0.0	0.0%
53.1%	47.7	47.7	0.1	0.1%
54.3%	47.7	47.7	0.0	0.1%
55.6%	47.7	47.7	0.0	0.1%
56.8%	47.6	47.7	0.1	0.2%
58.0%	47.6	47.6	0.0	0.0%
59.3%	47.5	47.6	0.1	0.1%
60.5%	47.5	47.6	0.0	0.0%
61.7%	47.5	47.4	-0.1	-0.1%
63.0%	47.5	47.4	-0.1	-0.2%
64.2%	47.4	47.4	0.0	-0.1%
65.4%	47.4	47.3	-0.2	-0.3%
66.7%	47.4	47.2	-0.2	-0.3%
67.9%	47.2	47.2	0.0	-0.1%
69.1%	47.2	47.2	0.0	0.0%
70.4%	47.1	47.1	0.0	0.0%
71.6%	47.0	47.0	0.0	0.0%
72.8%	46.9	46.9	0.0	-0.1%
74.1%	46.9	46.8	-0.1	-0.1%
75.3%	46.8	46.7	-0.1	-0.2%
76.5%	46.8	46.7	-0.1	-0.2%
77.8%	46.7	46.7	-0.1	-0.2%
79.0%	46.7	46.6	-0.1	-0.2%
80.2%	46.7	46.6	-0.1	-0.1%
81.5%	46.7	46.6	-0.1	-0.2%
82.7%	46.7	46.6	-0.1	-0.2%
84.0%	46.7	46.5	-0.1	-0.3%
85.2%	46.6	46.5	-0.1	-0.1%
86.4%	46.5	46.3	-0.2	-0.4%
87.7%	46.5	46.3	-0.1	-0.3%
88.9%	46.4	46.3	-0.1	-0.2%
90.1%	46.3	46.3	0.0	-0.1%
91.4%	46.2	46.3	0.0	0.1%
92.6%	46.2	46.0	-0.2	-0.4%
93.8%	46.1	46.0	-0.1	-0.3%
95.1%	46.1	45.9	-0.2	-0.4%
96.3%	45.8	45.7	-0.1	-0.3%
97.5%	45.7	45.6	-0.1	-0.3%
98.8%	45.0	45.2	0.2	0.4%
100.0%	45.0	45.2	0.2	0.4%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.3	54.4	0.0	0.1%
1.2%	54.2	54.4	0.2	0.3%
2.5%	54.2	54.0	-0.1	-0.3%
3.7%	53.9	53.7	-0.2	-0.5%
4.9%	53.5	53.6	0.1	0.2%
6.2%	53.4	53.4	0.1	0.2%
7.4%	53.3	53.4	0.0	0.1%
8.6%	53.2	53.3	0.1	0.2%
9.9%	53.2	53.2	0.0	0.1%
11.1%	53.1	53.1	0.0	0.1%
12.3%	53.0	53.1	0.1	0.1%
13.6%	53.0	52.9	-0.2	-0.3%
14.8%	52.9	52.8	-0.1	-0.3%
16.0%	52.7	52.7	0.0	0.0%
17.3%	52.6	52.7	0.1	0.1%
18.5%	52.6	52.6	0.0	-0.1%
19.8%	52.4	52.5	0.1	0.2%
21.0%	52.4	52.4	0.0	0.0%
22.2%	52.4	52.4	0.0	0.0%
23.5%	52.3	52.4	0.1	0.1%
24.7%	52.2	52.4	0.1	0.3%
25.9%	52.2	52.3	0.1	0.2%
27.2%	52.2	52.2	0.1	0.1%
28.4%	52.1	52.2	0.0	0.1%
29.6%	52.0	52.1	0.1	0.1%
30.9%	52.0	52.0	0.0	0.1%
32.1%	52.0	52.0	0.0	0.1%
33.3%	52.0	52.0	0.1	0.1%
34.6%	52.0	52.0	0.0	0.0%
35.8%	51.8	51.8	0.0	0.1%
37.0%	51.7	51.8	0.0	0.1%
38.3%	51.7	51.7	0.0	0.1%
39.5%	51.6	51.7	0.1	0.1%
40.7%	51.5	51.5	0.0	0.0%
42.0%	51.4	51.5	0.0	0.0%
43.2%	51.3	51.4	0.1	0.2%
44.4%	51.2	51.3	0.1	0.2%
45.7%	51.1	51.2	0.1	0.1%
46.9%	51.1	51.1	0.0	0.0%
48.1%	51.1	51.1	0.0	0.0%
49.4%	50.8	50.8	0.0	0.0%
50.6%	50.8	50.8	0.0	0.0%
51.9%	50.7	50.7	0.0	-0.1%
53.1%	50.7	50.7	0.0	0.0%
54.3%	50.7	50.7	0.0	0.0%
55.6%	50.6	50.6	0.0	0.0%
56.8%	50.6	50.5	-0.1	-0.1%
58.0%	50.6	50.4	-0.2	-0.3%
59.3%	50.5	50.3	-0.2	-0.5%
60.5%	50.4	50.3	-0.1	-0.2%
61.7%	50.3	50.3	-0.1	-0.1%
63.0%	50.3	50.2	-0.1	-0.1%
64.2%	50.3	50.2	0.0	-0.1%
65.4%	50.3	50.1	-0.2	-0.4%
66.7%	50.0	50.0	0.0	0.1%
67.9%	50.0	50.0	0.0	0.0%
69.1%	50.0	49.9	-0.1	-0.2%
70.4%	49.9	49.9	0.0	-0.1%
71.6%	49.9	49.8	0.0	-0.1%
72.8%	49.8	49.6	-0.2	-0.5%
74.1%	49.6	49.5	-0.1	-0.2%
75.3%	49.4	49.4	0.0	0.1%
76.5%	49.2	49.2	0.0	0.0%
77.8%	49.2	49.2	0.0	0.0%
79.0%	49.2	49.1	0.0	-0.1%
80.2%	49.2	49.1	0.0	-0.1%
81.5%	49.1	49.1	0.0	-0.1%
82.7%	48.7	48.7	0.0	0.0%
84.0%	48.7	48.7	0.0	0.0%
85.2%	48.7	48.6	0.0	-0.1%
86.4%	48.6	48.6	0.0	0.0%
87.7%	48.4	48.6	0.2	0.3%
88.9%	48.4	48.4	0.0	0.0%
90.1%	48.3	48.3	-0.1	-0.1%
91.4%	48.2	48.2	0.1	0.1%
92.6%	48.1	48.1	0.0	0.0%
93.8%	48.1	48.1	0.0	0.0%
95.1%	48.0	48.1	0.1	0.1%
96.3%	48.0	47.9	0.0	0.0%
97.5%	47.9	47.9	0.0	-0.1%
98.8%	47.7	47.6	-0.1	-0.2%
100.0%	47.7	47.6	-0.1	-0.2%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.3	58.3	0.0	0.0%
1.2%	58.0	57.8	-0.3	-0.5%
2.5%	57.3	57.0	-0.2	-0.4%
3.7%	57.1	57.0	-0.1	-0.2%
4.9%	56.9	56.4	-0.5	-0.9%
6.2%	56.8	56.4	-0.4	-0.6%
7.4%	56.5	56.2	-0.3	-0.5%
8.6%	56.4	56.1	-0.3	-0.5%
9.9%	56.3	56.1	-0.2	-0.3%
11.1%	56.2	56.0	-0.2	-0.3%
12.3%	56.0	56.0	0.0	0.0%
13.6%	55.9	56.0	0.1	0.1%
14.8%	55.9	55.9	0.0	-0.1%
16.0%	55.8	55.8	0.1	0.1%
17.3%	55.7	55.7	0.0	0.0%
18.5%	55.7	55.7	0.0	0.0%
19.8%	55.7	55.7	0.0	0.0%
21.0%	55.4	55.7	0.2	0.4%
22.2%	55.4	55.6	0.2	0.4%
23.5%	55.3	55.6	0.3	0.6%
24.7%	55.2	55.6	0.3	0.6%
25.9%	55.2	55.5	0.3	0.5%
27.2%	55.1	55.4	0.3	0.5%
28.4%	55.0	55.3	0.3	0.6%
29.6%	54.9	55.2	0.4	0.7%
30.9%	54.8	55.1	0.3	0.5%
32.1%	54.8	55.0	0.2	0.5%
33.3%	54.7	55.0	0.3	0.5%
34.6%	54.7	55.0	0.2	0.4%
35.8%	54.6	54.8	0.2	0.3%
37.0%	54.6	54.8	0.2	0.3%
38.3%	54.6	54.7	0.2	0.3%
39.5%	54.6	54.7	0.2	0.3%
40.7%	54.6	54.6	0.1	0.1%
42.0%	54.5	54.6	0.0	0.1%
43.2%	54.5	54.5	0.1	0.1%
44.4%	54.4	54.5	0.1	0.2%
45.7%	54.3	54.5	0.2	0.3%
46.9%	54.2	54.4	0.2	0.4%
48.1%	54.2	54.4	0.2	0.4%
49.4%	54.2	54.3	0.2	0.3%
50.6%	54.1	54.3	0.2	0.3%
51.9%	54.1	54.3	0.2	0.4%
53.1%	54.0	54.2	0.2	0.4%
54.3%	53.9	54.2	0.3	0.5%
55.6%	53.9	54.2	0.3	0.5%
56.8%	53.9	54.1	0.2	0.4%
58.0%	53.8	54.1	0.3	0.5%
59.3%	53.8	54.1	0.3	0.5%
60.5%	53.8	54.0	0.2	0.3%
61.7%	53.8	54.0	0.2	0.3%
63.0%	53.7	53.9	0.2	0.4%
64.2%	53.7	53.9	0.2	0.4%
65.4%	53.7	53.9	0.2	0.4%
66.7%	53.6	53.9	0.3	0.5%
67.9%	53.5	53.8	0.3	0.6%
69.1%	53.5	53.8	0.3	0.5%
70.4%	53.4	53.7	0.3	0.6%
71.6%	53.3	53.7	0.3	0.6%
72.8%	53.3	53.5	0.2	0.4%
74.1%	53.3	53.4	0.1	0.2%
75.3%	53.2	53.3	0.1	0.2%
76.5%	53.2	53.2	0.1	0.2%
77.8%	53.1	53.2	0.1	0.2%
79.0%	53.0	53.2	0.1	0.3%
80.2%	53.0	53.2	0.1	0.3%
81.5%	52.8	53.1	0.3	0.6%
82.7%	52.8	52.9	0.1	0.2%
84.0%	52.7	52.8	0.1	0.3%
85.2%	52.6	52.8	0.2	0.3%
86.4%	52.5	52.3	-0.1	-0.3%
87.7%	52.2	52.2	0.0	0.0%
88.9%	52.1	52.1	0.0	0.0%
90.1%	52.1	52.1	0.0	0.0%
91.4%	52.0	52.1	0.1	0.1%
92.6%	51.9	51.9	0.0	-0.1%
93.8%	51.8	51.9	0.1	0.1%
95.1%	51.8	51.9	0.1	0.1%
96.3%	51.8	51.8	0.1	0.1%
97.5%	50.7	50.7	0.0	0.0%
98.8%	50.4	50.5	0.0	0.0%
100.0%	50.4	50.5	0.0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.3	61.0	-0.2	-0.3%
1.2%	59.8	60.8	1.0	1.6%
2.5%	59.3	60.8	1.4	2.4%
3.7%	59.2	60.1	0.9	1.6%
4.9%	59.1	59.9	0.8	1.4%
6.2%	59.0	59.8	0.7	1.2%
7.4%	58.9	59.7	0.7	1.2%
8.6%	58.9	59.2	0.3	0.5%
9.9%	58.9	59.2	0.3	0.6%
11.1%	58.8	59.1	0.3	0.5%
12.3%	58.8	59.1	0.3	0.5%
13.6%	58.7	59.1	0.5	0.8%
14.8%	58.6	59.1	0.5	0.9%
16.0%	58.5	59.1	0.6	1.0%
17.3%	58.4	59.1	0.6	1.0%
18.5%	58.3	59.0	0.8	1.3%
19.8%	58.2	59.0	0.8	1.4%
21.0%	58.1	58.8	0.7	1.2%
22.2%	58.1	58.8	0.7	1.2%
23.5%	58.1	58.8	0.7	1.2%
24.7%	57.9	58.7	0.7	1.2%
25.9%	57.9	58.6	0.7	1.2%
27.2%	57.9	58.6	0.7	1.3%
28.4%	57.8	58.4	0.6	1.0%
29.6%	57.8	58.4	0.6	1.0%
30.9%	57.6	58.1	0.5	0.9%
32.1%	57.6	58.1	0.6	1.0%
33.3%	57.5	58.1	0.6	1.1%
34.6%	57.5	58.0	0.6	1.0%
35.8%	57.4	57.9	0.5	0.9%
37.0%	57.4	57.9	0.5	0.9%
38.3%	57.4	57.9	0.5	0.9%
39.5%	57.3	57.9	0.6	1.0%
40.7%	57.2	57.8	0.5	0.9%
42.0%	57.1	57.7	0.6	1.1%
43.2%	57.1	57.6	0.5	0.8%
44.4%	57.0	57.5	0.5	0.9%
45.7%	56.9	57.4	0.5	0.9%
46.9%	56.9	57.4	0.5	0.8%
48.1%	56.8	57.4	0.6	1.0%
49.4%	56.7	57.3	0.6	1.1%
50.6%	56.7	57.3	0.6	1.1%
51.9%	56.7	57.3	0.6	1.1%
53.1%	56.6	57.3	0.6	1.1%
54.3%	56.6	57.3	0.6	1.1%
55.6%	56.6	57.2	0.6	1.0%
56.8%	56.6	57.2	0.6	1.1%
58.0%	56.6	57.1	0.6	1.0%
59.3%	56.5	57.1	0.5	1.0%
60.5%	56.5	57.0	0.5	1.0%
61.7%	56.4	57.0	0.5	1.0%
63.0%	56.4	57.0	0.6	1.0%
64.2%	56.4	56.8	0.4	0.7%
65.4%	56.4	56.8	0.4	0.7%
66.7%	56.4	56.7	0.4	0.7%
67.9%	56.3	56.7	0.4	0.6%
69.1%	56.3	56.7	0.4	0.7%
70.4%	56.2	56.7	0.4	0.8%
71.6%	56.2	56.6	0.4	0.8%
72.8%	56.2	56.6	0.4	0.7%
74.1%	56.2	56.6	0.4	0.7%
75.3%	56.2	56.6	0.4	0.8%
76.5%	56.1	56.3	0.2	0.4%
77.8%	56.1	56.2	0.2	0.3%
79.0%	56.0	56.2	0.2	0.4%
80.2%	55.9	56.2	0.3	0.5%
81.5%	55.9	56.2	0.3	0.6%
82.7%	55.9	56.2	0.3	0.6%
84.0%	55.8	56.2	0.4	0.7%
85.2%	55.7	56.1	0.3	0.6%
86.4%	55.7	56.1	0.3	0.6%
87.7%	55.7	56.0	0.3	0.5%
88.9%	55.6	55.8	0.3	0.5%
90.1%	55.5	55.8	0.3	0.5%
91.4%	55.3	55.7	0.4	0.8%
92.6%	55.1	55.4	0.3	0.5%
93.8%	55.1	55.1	0.1	0.1%
95.1%	54.9	54.9	0.0	0.0%
96.3%	54.7	54.7	0.0	0.0%
97.5%	54.3	54.6	0.3	0.6%
98.8%	54.3	54.5	0.2	0.4%
100.0%	54.3	54.5	0.2	0.4%

Table SQ8-1b

Sacramento River below Red Bluff, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.9	60.8	-0.1	-0.1%
1.2%	60.5	60.7	0.1	0.2%
2.5%	60.5	60.0	-0.4	-0.7%
3.7%	60.4	60.0	-0.5	-0.7%
4.9%	60.2	59.9	-0.3	-0.5%
6.2%	60.2	59.8	-0.3	-0.5%
7.4%	60.0	59.8	-0.2	-0.3%
8.6%	59.6	59.8	0.2	0.4%
9.9%	59.6	59.7	0.2	0.3%
11.1%	59.4	59.5	0.1	0.1%
12.3%	59.3	59.2	-0.1	-0.2%
13.6%	59.3	59.2	0.0	-0.1%
14.8%	59.2	59.2	0.0	0.0%
16.0%	59.2	59.1	0.0	0.0%
17.3%	59.1	59.1	0.0	-0.1%
18.5%	58.8	59.0	0.2	0.4%
19.8%	58.7	59.0	0.3	0.5%
21.0%	58.6	59.0	0.3	0.6%
22.2%	58.6	58.8	0.2	0.4%
23.5%	58.6	58.8	0.2	0.4%
24.7%	58.5	58.8	0.3	0.5%
25.9%	58.5	58.8	0.3	0.5%
27.2%	58.4	58.8	0.3	0.6%
28.4%	58.4	58.7	0.3	0.5%
29.6%	58.4	58.6	0.2	0.4%
30.9%	58.3	58.6	0.2	0.4%
32.1%	58.2	58.6	0.3	0.6%
33.3%	58.2	58.6	0.4	0.7%
34.6%	58.2	58.6	0.4	0.7%
35.8%	58.0	58.5	0.5	0.8%
37.0%	57.9	58.4	0.5	0.9%
38.3%	57.9	58.4	0.5	0.9%
39.5%	57.8	58.4	0.5	0.9%
40.7%	57.8	58.3	0.5	0.8%
42.0%	57.8	58.3	0.5	0.9%
43.2%	57.7	58.2	0.6	1.0%
44.4%	57.7	58.2	0.5	0.9%
45.7%	57.6	58.2	0.6	1.0%
46.9%	57.6	58.1	0.5	0.9%
48.1%	57.5	58.1	0.5	0.9%
49.4%	57.5	58.0	0.5	1.0%
50.6%	57.5	58.0	0.5	0.9%
51.9%	57.4	58.0	0.6	1.0%
53.1%	57.4	58.0	0.6	1.1%
54.3%	57.4	57.9	0.6	1.0%
55.6%	57.3	57.9	0.6	1.1%
56.8%	57.3	57.9	0.6	1.1%
58.0%	57.3	57.9	0.7	1.1%
59.3%	57.3	57.9	0.7	1.2%
60.5%	57.2	57.8	0.5	0.9%
61.7%	57.2	57.7	0.5	0.9%
63.0%	57.2	57.6	0.4	0.7%
64.2%	57.1	57.5	0.5	0.8%
65.4%	57.1	57.5	0.5	0.8%
66.7%	57.0	57.5	0.5	0.8%
67.9%	57.0	57.5	0.4	0.8%
69.1%	57.0	57.5	0.5	0.8%
70.4%	56.9	57.4	0.5	0.9%
71.6%	56.9	57.4	0.5	0.9%
72.8%	56.9	57.3	0.4	0.8%
74.1%	56.8	57.3	0.5	0.9%
75.3%	56.5	57.2	0.7	1.2%
76.5%	56.5	57.2	0.7	1.2%
77.8%	56.5	57.2	0.7	1.2%
79.0%	56.5	57.1	0.7	1.2%
80.2%	56.4	57.1	0.7	1.2%
81.5%	56.4	57.0	0.7	1.2%
82.7%	56.3	57.0	0.7	1.2%
84.0%	56.3	56.9	0.6	1.1%
85.2%	56.3	56.9	0.6	1.1%
86.4%	56.3	56.9	0.6	1.1%
87.7%	56.3	56.9	0.6	1.1%
88.9%	56.1	56.9	0.8	1.4%
90.1%	56.1	56.8	0.8	1.4%
91.4%	56.1	56.8	0.8	1.4%
92.6%	56.0	56.8	0.8	1.4%
93.8%	56.0	56.7	0.7	1.3%
95.1%	55.9	56.5	0.6	1.1%
96.3%	55.8	56.4	0.5	1.0%
97.5%	55.6	56.3	0.7	1.3%
98.8%	55.4	56.2	0.8	1.5%
100.0%	55.4	56.2	0.8	1.5%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	62.0	61.4	-0.7	-1.1%
1.2%	61.6	61.3	-0.2	-0.4%
2.5%	61.1	61.1	0.0	0.0%
3.7%	61.0	61.0	0.0	0.0%
4.9%	61.0	60.9	-0.1	-0.2%
6.2%	60.8	60.8	0.0	0.0%
7.4%	60.6	60.6	0.0	0.0%
8.6%	60.6	60.6	-0.1	-0.1%
9.9%	60.5	60.6	0.0	0.0%
11.1%	60.5	60.5	0.0	0.0%
12.3%	60.5	60.3	-0.1	-0.2%
13.6%	60.3	60.3	0.0	0.0%
14.8%	60.2	60.2	0.0	0.1%
16.0%	60.0	60.2	0.2	0.3%
17.3%	59.8	60.0	0.2	0.3%
18.5%	59.6	60.0	0.4	0.6%
19.8%	59.6	60.0	0.4	0.7%
21.0%	59.6	59.8	0.3	0.4%
22.2%	59.5	59.6	0.1	0.2%
23.5%	59.5	59.6	0.1	0.2%
24.7%	59.4	59.6	0.1	0.2%
25.9%	59.4	59.6	0.1	0.2%
27.2%	59.3	59.6	0.2	0.4%
28.4%	59.3	59.5	0.2	0.3%
29.6%	59.3	59.5	0.1	0.2%
30.9%	59.2	59.4	0.2	0.3%
32.1%	59.2	59.4	0.2	0.4%
33.3%	59.2	59.4	0.2	0.4%
34.6%	59.0	59.3	0.3	0.5%
35.8%	59.0	59.3	0.3	0.5%
37.0%	59.0	59.2	0.3	0.4%
38.3%	59.0	59.2	0.3	0.4%
39.5%	58.9	59.0	0.1	0.2%
40.7%	58.7	58.9	0.2	0.3%
42.0%	58.7	58.9	0.2	0.4%
43.2%	58.7	58.9	0.2	0.3%
44.4%	58.5	58.7	0.2	0.4%
45.7%	58.5	58.7	0.2	0.3%
46.9%	58.5	58.6	0.2	0.3%
48.1%	58.3	58.6	0.3	0.6%
49.4%	58.3	58.6	0.3	0.5%
50.6%	58.3	58.6	0.3	0.6%
51.9%	58.2	58.6	0.3	0.6%
53.1%	58.2	58.5	0.4	0.6%
54.3%	58.1	58.4	0.3	0.5%
55.6%	58.0	58.4	0.4	0.7%
56.8%	58.0	58.4	0.4	0.6%
58.0%	57.9	58.3	0.4	0.7%
59.3%	57.9	58.3	0.4	0.7%
60.5%	57.9	58.3	0.4	0.6%
61.7%	57.9	58.2	0.3	0.4%
63.0%	57.8	58.1	0.3	0.5%
64.2%	57.8	58.1	0.3	0.5%
65.4%	57.8	58.1	0.4	0.6%
66.7%	57.7	58.1	0.4	0.6%
67.9%	57.7	58.0	0.3	0.6%
69.1%	57.7	57.9	0.3	0.4%
70.4%	57.7	57.9	0.2	0.4%
71.6%	57.7	57.9	0.2	0.4%
72.8%	57.6	57.8	0.2	0.4%
74.1%	57.6	57.8	0.2	0.4%
75.3%	57.5	57.8	0.2	0.4%
76.5%	57.5	57.7	0.2	0.3%
77.8%	57.5	57.7	0.2	0.3%
79.0%	57.4	57.6	0.2	0.4%
80.2%	57.4	57.6	0.2	0.4%
81.5%	57.4	57.6	0.2	0.4%
82.7%	57.2	57.4	0.2	0.4%
84.0%	57.2	57.4	0.2	0.4%
85.2%	57.1	57.4	0.3	0.5%
86.4%	57.1	57.3	0.3	0.5%
87.7%	56.9	57.2	0.3	0.6%
88.9%	56.9	57.0	0.2	0.3%
90.1%	56.9	56.9	0.1	0.1%
91.4%	56.8	56.9	0.0	0.1%
92.6%	56.7	56.8	0.1	0.2%
93.8%	56.6	56.8	0.2	0.4%
95.1%	56.6	56.8	0.2	0.4%
96.3%	56.5	56.7	0.2	0.3%
97.5%	56.5	56.7	0.2	0.3%
98.8%	56.4	56.6	0.2	0.4%
100.0%	56.4	56.6	0.2	0.4%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	69.1	64.6	-4.5	-6.5%
1.2%	63.2	61.9	-1.3	-2.0%
2.5%	63.0	61.7	-1.4	-2.1%
3.7%	63.0	61.4	-1.6	-2.5%
4.9%	62.2	61.2	-1.0	-1.6%
6.2%	62.2	61.2	-1.0	-1.6%
7.4%	62.0	61.1	-0.9	-1.5%
8.6%	62.0	61.1	-0.9	-1.4%
9.9%	61.9	61.1	-0.8	-1.3%
11.1%	61.7	61.0	-0.7	-1.2%
12.3%	61.7	60.9	-0.8	-1.2%
13.6%	61.4	60.9	-0.4	-0.7%
14.8%	61.3	60.8	-0.5	-0.8%
16.0%	61.3	60.8	-0.5	-0.8%
17.3%	61.3	60.8	-0.5	-0.8%
18.5%	61.3	60.8	-0.5	-0.7%
19.8%	61.2	60.8	-0.4	-0.7%
21.0%	61.1	60.7	-0.4	-0.7%
22.2%	61.1	60.6	-0.5	-0.8%
23.5%	61.0	60.6	-0.4	-0.6%
24.7%	60.9	60.6	-0.4	-0.6%
25.9%	60.9	60.6	-0.3	-0.5%
27.2%	60.9	60.5	-0.4	-0.6%
28.4%	60.8	60.5	-0.4	-0.6%
29.6%	60.8	60.4	-0.4	-0.6%
30.9%	60.8	60.4	-0.4	-0.6%
32.1%	60.8	60.3	-0.5	-0.8%
33.3%	60.6	60.2	-0.4	-0.6%
34.6%	60.6	60.1	-0.4	-0.7%
35.8%	60.5	60.1	-0.4	-0.6%
37.0%	60.5	60.1	-0.4	-0.6%
38.3%	60.4	60.1	-0.4	-0.6%
39.5%	60.4	60.0	-0.4	-0.6%
40.7%	60.3	60.0	-0.3	-0.5%
42.0%	60.2	60.0	-0.2	-0.3%
43.2%	60.2	60.0	-0.2	-0.3%
44.4%	60.2	60.0	-0.2	-0.3%
45.7%	60.1	59.9	-0.2	-0.4%
46.9%	60.1	59.9	-0.2	-0.3%
48.1%	60.0	59.9	-0.1	-0.2%
49.4%	60.0	59.9	-0.1	-0.2%
50.6%	60.0	59.8	-0.2	-0.3%
51.9%	59.9	59.8	-0.1	-0.2%
53.1%	59.8	59.8	-0.1	-0.1%
54.3%	59.8	59.7	-0.1	-0.2%
55.6%	59.6	59.7	0.1	0.1%
56.8%	59.6	59.7	0.1	0.1%
58.0%	59.5	59.6	0.1	0.2%
59.3%	59.5	59.5	0.0	0.1%
60.5%	59.5	59.5	0.1	0.1%
61.7%	59.4	59.5	0.1	0.2%
63.0%	59.4	59.5	0.1	0.2%
64.2%	59.3	59.5	0.2	0.3%
65.4%	59.3	59.4	0.1	0.2%
66.7%	59.3	59.3	0.1	0.1%
67.9%	59.2	59.3	0.0	0.0%
69.1%	59.2	59.2	-0.1	-0.1%
70.4%	59.2	59.2	-0.1	-0.1%
71.6%	59.2	59.1	-0.1	-0.1%
72.8%	59.2	59.1	-0.1	-0.2%
74.1%	59.1	59.1	0.0	0.0%
75.3%	59.0	59.1	0.0	0.0%
76.5%	59.0	58.9	-0.1	-0.2%
77.8%	59.0	58.8	-0.2	-0.3%
79.0%	59.0	58.8	-0.2	-0.3%
80.2%	58.9	58.7	-0.3	-0.5%
81.5%	58.9	58.6	-0.3	-0.4%
82.7%	58.9	58.6	-0.3	-0.5%
84.0%	58.9	58.6	-0.3	-0.5%
85.2%	58.8	58.6	-0.2	-0.4%
86.4%	58.8	58.5	-0.3	-0.5%
87.7%	58.8	58.4	-0.3	-0.6%
88.9%	58.8	58.4	-0.4	-0.7%
90.1%	58.5	58.2	-0.3	-0.5%
91.4%	58.4	58.1	-0.3	-0.5%
92.6%	58.2	58.0	-0.2	-0.3%
93.8%	57.9	58.0	0.1	0.1%
95.1%	57.3	57.9	0.6	1.0%
96.3%	57.2	57.9	0.7	1.2%
97.5%	57.0	57.9	0.9	1.6%
98.8%	56.8	57.8	1.0	1.8%
100.0%	56.8	57.8	1.0	1.8%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.9	68.4	0.5	0.7%
1.2%	67.0	64.2	-2.8	-4.1%
2.5%	66.6	63.8	-2.8	-4.3%
3.7%	64.4	62.4	-1.9	-3.0%
4.9%	64.0	62.2	-1.9	-2.9%
6.2%	63.3	61.9	-1.4	-2.2%
7.4%	62.8	61.7	-1.2	-1.9%
8.6%	62.7	61.6	-1.1	-1.7%
9.9%	62.6	61.3	-1.3	-2.1%
11.1%	62.5	61.3	-1.2	-1.9%
12.3%	62.3	61.2	-1.1	-1.7%
13.6%	62.2	61.1	-1.1	-1.8%
14.8%	62.1	61.1	-1.1	-1.7%
16.0%	62.1	60.9	-1.2	-1.9%
17.3%	62.1	60.8	-1.3	-2.1%
18.5%	61.7	60.7	-1.1	-1.7%
19.8%	61.5	60.7	-0.9	-1.4%
21.0%	61.4	60.6	-0.8	-1.3%
22.2%	61.3	60.5	-0.8	-1.4%
23.5%	61.2	60.5	-0.7	-1.2%
24.7%	61.2	60.4	-0.8	-1.2%
25.9%	61.1	60.4	-0.7	-1.1%
27.2%	61.1	60.4	-0.7	-1.1%
28.4%	61.0	60.4	-0.6	-1.0%
29.6%	61.0	60.4	-0.6	-1.0%
30.9%	60.9	60.2	-0.6	-1.0%
32.1%	60.6	60.1	-0.5	-0.8%
33.3%	60.6	60.1	-0.5	-0.9%
34.6%	60.6	60.1	-0.5	-0.8%
35.8%	60.5	60.0	-0.5	-0.7%
37.0%	60.2	60.0	-0.3	-0.4%
38.3%	59.9	59.9	0.0	0.1%
39.5%	59.8	59.9	0.1	0.1%
40.7%	59.7	59.7	0.0	0.0%
42.0%	59.5	59.5	0.0	-0.1%
43.2%	59.4	59.2	-0.1	-0.2%
44.4%	59.2	59.2	0.0	0.0%
45.7%	59.1	59.2	0.1	0.1%
46.9%	58.9	59.2	0.3	0.4%
48.1%	58.9	59.2	0.3	0.4%
49.4%	58.8	59.1	0.4	0.6%
50.6%	58.4	59.0	0.5	0.9%
51.9%	58.3	58.9	0.6	1.0%
53.1%	58.3	58.7	0.4	0.8%
54.3%	58.2	58.7	0.5	0.9%
55.6%	58.1	58.5	0.5	0.8%
56.8%	58.0	58.4	0.4	0.8%
58.0%	57.9	58.4	0.5	0.9%
59.3%	57.8	58.2	0.4	0.7%
60.5%	57.6	58.1	0.5	0.8%
61.7%	57.5	57.9	0.4	0.7%
63.0%	57.5	57.9	0.4	0.7%
64.2%	57.5	57.8	0.3	0.6%
65.4%	57.2	57.8	0.5	0.9%
66.7%	57.2	57.6	0.4	0.7%
67.9%	57.2	57.6	0.4	0.7%
69.1%	57.2	57.6	0.4	0.7%
70.4%	57.1	57.6	0.5	0.9%
71.6%	57.1	57.4	0.3	0.6%
72.8%	56.9	57.3	0.4	0.7%
74.1%	56.8	57.1	0.3	0.5%
75.3%	56.7	57.1	0.4	0.7%
76.5%	56.7	56.9	0.2	0.3%
77.8%	56.3	56.6	0.2	0.4%
79.0%	56.3	56.4	0.1	0.2%
80.2%	56.1	56.3	0.2	0.3%
81.5%	56.0	56.2	0.2	0.3%
82.7%	56.0	56.2	0.2	0.3%
84.0%	55.6	56.1	0.5	0.9%
85.2%	55.5	55.9	0.4	0.8%
86.4%	55.5	55.9	0.4	0.8%
87.7%	55.4	55.8	0.3	0.6%
88.9%	55.2	55.8	0.6	1.0%
90.1%	55.1	55.6	0.6	1.0%
91.4%	55.0	55.6	0.6	1.0%
92.6%	54.9	55.2	0.3	0.6%
93.8%	54.8	54.7	-0.2	-0.3%
95.1%	54.8	54.5	-0.3	-0.6%
96.3%	54.0	54.2	0.2	0.3%
97.5%	53.7	54.0	0.3	0.5%
98.8%	53.7	53.8	0.1	0.2%
100.0%	53.7	53.8	0.1	0.2%

Table SQ8-1b

Sacramento River below Red Bluff, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	64.6	63.5	-1.1	-1.7%
1.2%	62.0	61.5	-0.5	-0.8%
2.5%	61.7	60.9	-0.8	-1.3%
3.7%	61.6	60.8	-0.8	-1.3%
4.9%	61.4	60.8	-0.7	-1.1%
6.2%	61.3	60.7	-0.5	-0.9%
7.4%	61.2	60.7	-0.6	-0.9%
8.6%	60.6	60.6	0.0	-0.1%
9.9%	60.5	60.3	-0.2	-0.3%
11.1%	60.4	60.1	-0.3	-0.5%
12.3%	60.4	60.1	-0.3	-0.4%
13.6%	60.3	60.1	-0.2	-0.3%
14.8%	60.3	60.1	-0.2	-0.4%
16.0%	60.2	60.0	-0.3	-0.4%
17.3%	60.2	60.0	-0.3	-0.4%
18.5%	60.2	59.9	-0.3	-0.5%
19.8%	60.0	59.7	-0.3	-0.4%
21.0%	59.8	59.7	-0.1	-0.2%
22.2%	59.8	59.6	-0.2	-0.3%
23.5%	59.8	59.6	-0.2	-0.3%
24.7%	59.8	59.6	-0.2	-0.3%
25.9%	59.7	59.6	-0.2	-0.3%
27.2%	59.7	59.6	-0.2	-0.3%
28.4%	59.6	59.5	-0.1	-0.3%
29.6%	59.6	59.5	-0.1	-0.2%
30.9%	59.6	59.4	-0.2	-0.3%
32.1%	59.6	59.4	-0.2	-0.4%
33.3%	59.6	59.3	-0.3	-0.5%
34.6%	59.4	59.3	-0.2	-0.3%
35.8%	59.4	59.2	-0.1	-0.2%
37.0%	59.3	59.2	-0.1	-0.2%
38.3%	59.2	59.2	0.0	0.0%
39.5%	59.1	59.2	0.1	0.1%
40.7%	59.1	59.2	0.1	0.1%
42.0%	59.0	59.2	0.1	0.2%
43.2%	58.9	59.2	0.2	0.4%
44.4%	58.9	59.1	0.1	0.2%
45.7%	58.9	59.0	0.1	0.2%
46.9%	58.9	58.9	0.0	0.1%
48.1%	58.8	58.9	0.1	0.1%
49.4%	58.6	58.9	0.3	0.5%
50.6%	58.5	58.8	0.3	0.5%
51.9%	58.5	58.7	0.2	0.3%
53.1%	58.5	58.6	0.1	0.2%
54.3%	58.4	58.6	0.1	0.2%
55.6%	58.4	58.5	0.1	0.2%
56.8%	58.3	58.4	0.1	0.2%
58.0%	58.3	58.4	0.2	0.3%
59.3%	58.2	58.4	0.2	0.3%
60.5%	58.2	58.4	0.1	0.2%
61.7%	58.2	58.4	0.1	0.3%
63.0%	58.2	58.4	0.1	0.2%
64.2%	58.2	58.3	0.2	0.3%
65.4%	58.1	58.3	0.2	0.4%
66.7%	58.1	58.3	0.3	0.4%
67.9%	58.1	58.3	0.2	0.4%
69.1%	58.0	58.3	0.3	0.4%
70.4%	57.9	58.2	0.4	0.6%
71.6%	57.9	58.2	0.3	0.6%
72.8%	57.9	58.2	0.3	0.6%
74.1%	57.8	58.2	0.4	0.6%
75.3%	57.8	58.0	0.2	0.3%
76.5%	57.7	58.0	0.2	0.4%
77.8%	57.7	57.9	0.2	0.4%
79.0%	57.7	57.9	0.3	0.5%
80.2%	57.6	57.9	0.3	0.6%
81.5%	57.5	57.9	0.5	0.8%
82.7%	57.4	57.9	0.5	0.9%
84.0%	57.4	57.7	0.4	0.7%
85.2%	57.3	57.7	0.4	0.7%
86.4%	57.2	57.5	0.3	0.5%
87.7%	57.1	57.3	0.2	0.4%
88.9%	57.0	57.3	0.3	0.5%
90.1%	57.0	57.2	0.2	0.4%
91.4%	56.9	57.2	0.2	0.4%
92.6%	56.9	57.1	0.2	0.4%
93.8%	56.6	57.1	0.4	0.7%
95.1%	56.6	57.0	0.4	0.7%
96.3%	56.6	56.9	0.3	0.5%
97.5%	56.3	56.6	0.3	0.5%
98.8%	56.2	56.3	0.1	0.2%
100.0%	55.8	55.7	-0.1	-0.2%

July to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.3	64.8	-1.6	-2.4%
1.2%	63.2	62.3	-0.8	-1.3%
2.5%	62.8	61.8	-1.0	-1.6%
3.7%	62.5	61.7	-0.8	-1.3%
4.9%	62.5	61.4	-1.1	-1.7%
6.2%	61.9	61.1	-0.8	-1.4%
7.4%	61.9	60.9	-1.0	-1.7%
8.6%	61.7	60.9	-0.8	-1.3%
9.9%	61.1	60.8	-0.2	-0.4%
11.1%	61.1	60.8	-0.3	-0.5%
12.3%	61.0	60.7	-0.3	-0.5%
13.6%	61.0	60.7	-0.3	-0.5%
14.8%	60.9	60.7	-0.2	-0.3%
16.0%	60.8	60.6	-0.2	-0.3%
17.3%	60.8	60.4	-0.4	-0.6%
18.5%	60.7	60.3	-0.4	-0.6%
19.8%	60.7	60.3	-0.4	-0.6%
21.0%	60.7	60.2	-0.5	-0.8%
22.2%	60.6	60.0	-0.6	-1.0%
23.5%	60.6	60.0	-0.6	-1.0%
24.7%	60.5	60.0	-0.5	-0.9%
25.9%	60.4	59.9	-0.4	-0.7%
27.2%	60.4	59.9	-0.4	-0.7%
28.4%	60.3	59.9	-0.4	-0.7%
29.6%	60.1	59.9	-0.2	-0.3%
30.9%	60.0	59.9	-0.1	-0.2%
32.1%	59.9	59.8	-0.2	-0.3%
33.3%	59.9	59.7	-0.2	-0.3%
34.6%	59.6	59.7	0.0	0.1%
35.8%	59.6	59.6	0.0	-0.1%
37.0%	59.4	59.5	0.1	0.2%
38.3%	59.4	59.5	0.1	0.2%
39.5%	59.4	59.5	0.1	0.1%
40.7%	59.4	59.4	0.0	0.0%
42.0%	59.3	59.3	0.0	0.0%
43.2%	59.3	59.3	0.0	0.0%
44.4%	59.0	59.2	0.3	0.4%
45.7%	59.0	59.0	0.0	0.1%
46.9%	58.9	59.0	0.1	0.1%
48.1%	58.9	58.9	0.0	0.1%
49.4%	58.8	58.9	0.1	0.2%
50.6%	58.8	58.9	0.1	0.2%
51.9%	58.8	58.8	0.0	0.1%
53.1%	58.7	58.8	0.0	0.1%
54.3%	58.7	58.8	0.0	0.0%
55.6%	58.7	58.7	0.0	-0.1%
56.8%	58.6	58.7	0.0	0.1%
58.0%	58.6	58.5	-0.1	-0.2%
59.3%	58.6	58.5	-0.1	-0.2%
60.5%	58.6	58.4	-0.2	-0.3%
61.7%	58.5	58.4	-0.1	-0.2%
63.0%	58.4	58.4	0.0	-0.1%
64.2%	58.4	58.4	0.0	-0.1%
65.4%	58.4	58.4	0.0	0.0%
66.7%	58.3	58.3	0.0	0.0%
67.9%	58.2	58.3	0.1	0.2%
69.1%	58.2	58.3	0.1	0.2%
70.4%	58.1	58.3	0.1	0.2%
71.6%	58.1	58.3	0.1	0.2%
72.8%	58.1	58.2	0.1	0.2%
74.1%	58.0	58.2	0.2	0.3%
75.3%	57.9	58.2	0.3	0.4%
76.5%	57.9	58.2	0.3	0.5%
77.8%	57.9	58.1	0.3	0.4%
79.0%	57.8	58.1	0.3	0.6%
80.2%	57.7	58.1	0.3	0.6%
81.5%	57.7	58.1	0.4	0.7%
82.7%	57.6	58.1	0.5	0.8%
84.0%	57.5	58.0	0.4	0.8%
85.2%	57.4	57.9	0.5	0.9%
86.4%	57.3	57.8	0.5	0.8%
87.7%	57.3	57.6	0.3	0.6%
88.9%	57.2	57.4	0.2	0.4%
90.1%	57.1	57.1	-0.1	-0.1%
91.4%	57.1	57.0	-0.1	-0.2%
92.6%	56.9	57.0	0.1	0.2%
93.8%	56.8	56.9	0.1	0.2%
95.1%	56.7	56.8	0.2	0.3%
96.3%	56.7	56.7	0.1	0.1%
97.5%	56.5	56.5	-0.1	-0.2%
98.8%	56.2	56.3	0.1	0.2%
100.0%	55.7	55.4	-0.2	-0.4%

August to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	68.5	66.5	-2.0	-2.9%
1.2%	64.6	62.8	-1.8	-2.8%
2.5%	64.4	62.5	-1.9	-3.0%
3.7%	63.8	62.2	-1.6	-2.5%
4.9%	63.5	61.8	-1.7	-2.7%
6.2%	62.6	61.4	-1.2	-1.9%
7.4%	62.4	61.2	-1.2	-1.9%
8.6%	62.1	61.1	-0.9	-1.5%
9.9%	62.0	61.0	-1.0	-1.6%
11.1%	62.0	61.0	-1.0	-1.6%
12.3%	61.7	61.0	-0.8	-1.2%
13.6%	61.6	60.8	-0.8	-1.3%
14.8%	61.5	60.8	-0.7	-1.2%
16.0%	61.5	60.8	-0.8	-1.2%
17.3%	61.5	60.7	-0.8	-1.2%
18.5%	61.4	60.7	-0.7	-1.1%
19.8%	61.3	60.6	-0.6	-1.0%
21.0%	61.2	60.6	-0.6	-0.9%
22.2%	61.1	60.5	-0.6	-1.0%
23.5%	61.0	60.4	-0.6	-0.9%
24.7%	61.0	60.3	-0.7	-1.2%
25.9%	60.9	60.2	-0.7	-1.1%
27.2%	60.9	60.2	-0.6	-1.1%
28.4%	60.8	60.2	-0.6	-0.9%
29.6%	60.8	60.2	-0.6	-0.9%
30.9%	60.4	60.2	-0.2	-0.4%
32.1%	60.4	60.2	-0.2	-0.3%
33.3%	60.3	60.2	-0.2	-0.3%
34.6%	60.0	60.1	0.0	0.1%
35.8%	59.9	60.0	0.1	0.1%
37.0%	59.8	59.8	-0.1	-0.2%
38.3%	59.7	59.6	-0.1	-0.1%
39.5%	59.7	59.6	0.0	-0.1%
40.7%	59.6	59.5	-0.1	-0.2%
42.0%	59.6	59.5	-0.2	-0.3%
43.2%	59.6	59.5	-0.2	-0.3%
44.4%	59.6	59.3	-0.3	-0.5%
45.7%	59.5	59.3	-0.2	-0.3%
46.9%	59.4	59.3	-0.1	-0.1%
48.1%	59.3	59.3	0.0	0.0%
49.4%	59.2	59.2	0.0	-0.1%
50.6%	59.2	59.2	-0.1	-0.1%
51.9%	59.1	59.2	0.1	0.2%
53.1%	59.1	59.1	0.0	0.0%
54.3%	59.0	59.0	0.0	0.0%
55.6%	58.9	58.9	0.0	-0.1%
56.8%	58.8	58.8	-0.1	-0.1%
58.0%	58.8	58.7	-0.1	-0.1%
59.3%	58.8	58.7	-0.1	-0.1%
60.5%	58.7	58.7	0.0	0.0%
61.7%	58.6	58.7	0.1	0.1%
63.0%	58.6	58.7	0.1	0.1%
64.2%	58.6	58.7	0.1	0.2%
65.4%	58.4	58.6	0.2	0.4%
66.7%	58.4	58.6	0.2	0.3%
67.9%	58.4	58.5	0.1	0.3%
69.1%	58.3	58.5	0.2	0.3%
70.4%	58.1	58.5	0.4	0.6%
71.6%	58.0	58.5	0.4	0.7%
72.8%	58.0	58.3	0.3	0.5%
74.1%	58.0	58.2	0.2	0.4%
75.3%	58.0	58.2	0.2	0.3%
76.5%	58.0	58.2	0.2	0.3%
77.8%	58.0	58.2	0.2	0.3%
79.0%	57.9	58.2	0.3	0.5%
80.2%	57.8	58.1	0.3	0.5%
81.5%	57.8	57.9	0.1	0.2%
82.7%	57.7	57.8	0.1	0.2%
84.0%	57.6	57.8	0.1	0.2%
85.2%	57.6	57.7	0.2	0.3%
86.4%	57.4	57.7	0.3	0.5%
87.7%	57.2	57.5	0.3	0.5%
88.9%	57.2	57.3	0.1	0.2%
90.1%	57.1	57.2	0.2	0.3%
91.4%	57.0	57.0	0.0	0.0%
92.6%	56.9	56.8	-0.1	-0.1%
93.8%	56.6	56.8	0.3	0.5%
95.1%	56.2	56.6	0.3	0.6%
96.3%	56.1	56.3	0.2	0.3%
97.5%	56.1	56.0	-0.1	-0.1%
98.8%	56.0	55.9	-0.1	-0.2%
100.0%	55.1	54.7	-0.4	-0.6%

Figure SQ9-1b
American River below Nimbus Dam, Monthly Temperature
Probability of Exceedance

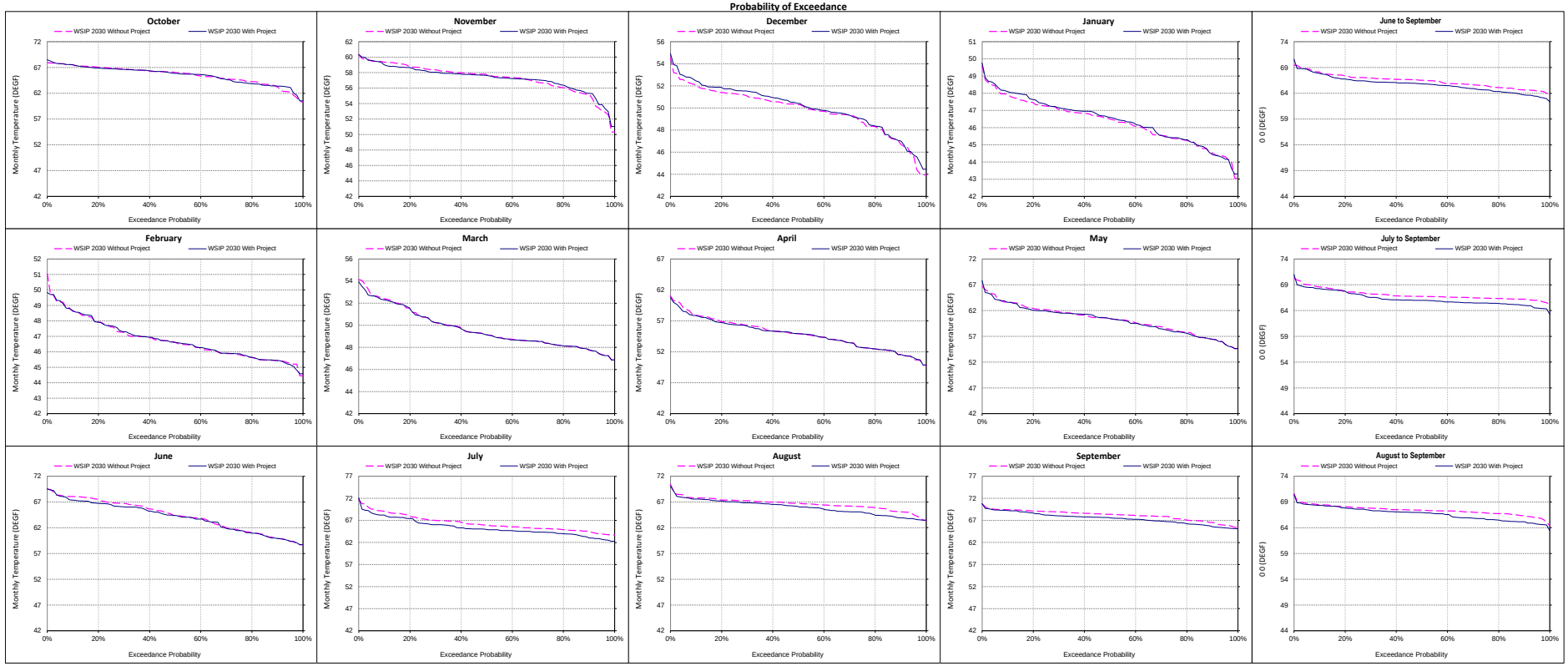


Table SQ9-1b

American River below Nimbus Dam, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.9	68.5	0.6	0.8%
1.2%	67.9	68.3	0.4	0.6%
2.5%	67.9	68.0	0.1	0.2%
3.7%	67.8	67.8	-0.1	-0.1%
4.9%	67.7	67.7	0.0	0.0%
6.2%	67.7	67.7	0.0	0.0%
7.4%	67.6	67.6	0.0	0.0%
8.6%	67.5	67.5	0.0	0.0%
9.9%	67.5	67.5	0.0	0.0%
11.1%	67.4	67.4	0.0	0.0%
12.3%	67.3	67.3	-0.1	-0.1%
13.6%	67.3	67.2	-0.1	-0.2%
14.8%	67.2	67.1	-0.1	-0.2%
16.0%	67.2	67.0	-0.2	-0.2%
17.3%	67.2	67.0	-0.2	-0.3%
18.5%	67.1	66.9	-0.2	-0.3%
19.8%	67.1	66.9	-0.2	-0.2%
21.0%	67.0	66.8	-0.2	-0.3%
22.2%	67.0	66.8	-0.2	-0.3%
23.5%	66.9	66.8	-0.1	-0.2%
24.7%	66.9	66.8	-0.1	-0.2%
25.9%	66.9	66.7	-0.1	-0.2%
27.2%	66.8	66.7	-0.1	-0.2%
28.4%	66.8	66.6	-0.1	-0.2%
29.6%	66.7	66.6	-0.1	-0.2%
30.9%	66.7	66.6	-0.1	-0.1%
32.1%	66.6	66.6	0.0	0.0%
33.3%	66.6	66.5	-0.1	-0.1%
34.6%	66.5	66.5	0.0	0.0%
35.8%	66.5	66.5	0.0	0.0%
37.0%	66.5	66.5	0.0	0.0%
38.3%	66.4	66.5	0.1	0.1%
39.5%	66.2	66.4	0.1	0.2%
40.7%	66.2	66.3	0.1	0.1%
42.0%	66.2	66.2	0.0	0.0%
43.2%	66.2	66.2	0.0	0.0%
44.4%	66.2	66.2	0.0	0.1%
45.7%	66.2	66.2	0.0	0.0%
46.9%	66.2	66.1	-0.1	-0.2%
48.1%	66.2	65.9	-0.2	-0.3%
49.4%	66.1	65.9	-0.2	-0.3%
50.6%	66.0	65.8	-0.1	-0.2%
51.9%	66.0	65.8	-0.2	-0.3%
53.1%	65.9	65.7	-0.2	-0.4%
54.3%	65.8	65.7	-0.1	-0.2%
55.6%	65.8	65.7	-0.1	-0.2%
56.8%	65.8	65.7	-0.1	-0.1%
58.0%	65.5	65.7	0.2	0.3%
59.3%	65.4	65.7	0.3	0.4%
60.5%	65.3	65.6	0.3	0.4%
61.7%	65.2	65.6	0.3	0.5%
63.0%	65.2	65.4	0.2	0.4%
64.2%	65.2	65.4	0.2	0.3%
65.4%	65.2	65.2	0.0	0.0%
66.7%	65.0	65.1	0.1	0.1%
67.9%	64.9	64.8	-0.1	-0.2%
69.1%	64.9	64.8	-0.1	-0.1%
70.4%	64.8	64.6	-0.2	-0.3%
71.6%	64.7	64.6	-0.1	-0.2%
72.8%	64.7	64.2	-0.5	-0.7%
74.1%	64.7	64.2	-0.5	-0.8%
75.3%	64.6	64.1	-0.5	-0.7%
76.5%	64.5	64.0	-0.5	-0.8%
77.8%	64.3	64.0	-0.3	-0.5%
79.0%	64.3	63.9	-0.4	-0.6%
80.2%	64.2	63.8	-0.4	-0.6%
81.5%	64.2	63.8	-0.5	-0.7%
82.7%	64.1	63.8	-0.3	-0.5%
84.0%	63.8	63.6	-0.2	-0.3%
85.2%	63.7	63.6	-0.2	-0.3%
86.4%	63.7	63.5	-0.2	-0.3%
87.7%	63.7	63.4	-0.2	-0.4%
88.9%	63.5	63.4	0.0	-0.1%
90.1%	63.2	63.4	0.2	0.3%
91.4%	62.5	63.4	0.8	1.3%
92.6%	62.4	63.3	1.0	1.6%
93.8%	62.3	63.2	0.9	1.4%
95.1%	62.2	63.1	0.9	1.5%
96.3%	61.6	62.0	0.4	0.6%
97.5%	61.1	61.6	0.5	0.8%
98.8%	60.4	60.5	0.2	0.3%
100.0%	60.4	60.5	0.0	0.3%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.4	60.3	0.0	-0.1%
1.2%	59.8	60.0	0.2	0.3%
2.5%	59.7	59.9	0.2	0.3%
3.7%	59.7	59.6	-0.1	-0.2%
4.9%	59.5	59.6	0.1	0.1%
6.2%	59.5	59.5	0.0	0.1%
7.4%	59.4	59.4	0.0	0.0%
8.6%	59.4	59.4	-0.1	-0.2%
9.9%	59.4	59.0	-0.3	-0.6%
11.1%	59.3	58.9	-0.5	-0.8%
12.3%	59.3	58.8	-0.5	-0.8%
13.6%	59.3	58.8	-0.5	-0.8%
14.8%	59.2	58.8	-0.4	-0.7%
16.0%	59.1	58.7	-0.4	-0.7%
17.3%	59.1	58.7	-0.4	-0.7%
18.5%	59.0	58.7	-0.3	-0.6%
19.8%	58.8	58.7	-0.1	-0.2%
21.0%	58.7	58.6	-0.2	-0.3%
22.2%	58.7	58.4	-0.3	-0.6%
23.5%	58.7	58.4	-0.3	-0.6%
24.7%	58.7	58.3	-0.4	-0.7%
25.9%	58.5	58.3	-0.2	-0.4%
27.2%	58.4	58.1	-0.3	-0.5%
28.4%	58.4	58.0	-0.3	-0.6%
29.6%	58.4	58.0	-0.3	-0.6%
30.9%	58.3	58.0	-0.3	-0.5%
32.1%	58.2	58.0	-0.2	-0.4%
33.3%	58.2	57.9	-0.3	-0.5%
34.6%	58.2	57.9	-0.3	-0.5%
35.8%	58.1	57.9	-0.2	-0.3%
37.0%	58.0	57.9	-0.2	-0.3%
38.3%	58.0	57.8	-0.2	-0.3%
39.5%	58.0	57.8	-0.1	-0.3%
40.7%	58.0	57.8	-0.2	-0.3%
42.0%	57.9	57.8	-0.1	-0.3%
43.2%	57.9	57.8	-0.1	-0.3%
44.4%	57.8	57.7	-0.1	-0.2%
45.7%	57.8	57.7	-0.1	-0.2%
46.9%	57.8	57.7	-0.1	-0.2%
48.1%	57.8	57.7	-0.1	-0.2%
49.4%	57.8	57.7	-0.1	-0.3%
50.6%	57.7	57.6	-0.1	-0.1%
51.9%	57.6	57.5	-0.1	-0.1%
53.1%	57.5	57.4	-0.1	-0.2%
54.3%	57.5	57.4	-0.1	-0.2%
55.6%	57.5	57.3	-0.1	-0.2%
56.8%	57.4	57.3	-0.1	-0.2%
58.0%	57.4	57.3	-0.1	-0.2%
59.3%	57.4	57.3	-0.1	-0.2%
60.5%	57.4	57.2	-0.2	-0.3%
61.7%	57.3	57.2	-0.1	-0.2%
63.0%	57.3	57.2	-0.1	-0.2%
64.2%	57.3	57.2	-0.1	-0.2%
65.4%	57.1	57.2	0.0	0.1%
66.7%	57.1	57.1	0.1	0.1%
67.9%	56.9	57.1	0.2	0.3%
69.1%	56.8	57.1	0.3	0.5%
70.4%	56.7	57.1	0.4	0.6%
71.6%	56.7	57.0	0.3	0.6%
72.8%	56.6	57.0	0.4	0.6%
74.1%	56.6	56.9	0.3	0.5%
75.3%	56.3	56.8	0.5	0.9%
76.5%	56.2	56.6	0.4	0.7%
77.8%	56.2	56.6	0.4	0.7%
79.0%	56.1	56.4	0.3	0.6%
80.2%	56.1	56.4	0.3	0.6%
81.5%	56.0	56.2	0.2	0.4%
82.7%	55.8	56.0	0.2	0.4%
84.0%	55.6	55.9	0.3	0.6%
85.2%	55.4	55.7	0.3	0.6%
86.4%	55.4	55.7	0.3	0.5%
87.7%	55.3	55.6	0.3	0.5%
88.9%	55.2	55.4	0.2	0.3%
90.1%	55.2	55.3	0.1	0.2%
91.4%	54.6	55.3	0.7	1.2%
92.6%	53.7	54.6	1.0	1.8%
93.8%	53.4	53.9	0.5	0.9%
95.1%	53.0	53.9	0.8	1.6%
96.3%	52.9	53.3	0.4	0.8%
97.5%	52.5	53.0	0.4	0.8%
98.8%	50.3	51.0	0.7	1.4%
100.0%	50.3	51.0	0.7	1.4%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.6	54.9	0.4	0.7%
1.2%	53.2	53.9	0.8	1.4%
2.5%	53.1	53.8	0.7	1.3%
3.7%	52.6	53.0	0.5	0.9%
4.9%	52.6	53.0	0.4	0.8%
6.2%	52.4	52.8	0.4	0.8%
7.4%	52.3	52.8	0.5	1.0%
8.6%	52.2	52.7	0.5	0.9%
9.9%	52.1	52.4	0.4	0.7%
11.1%	51.9	52.4	0.5	0.9%
12.3%	51.8	52.1	0.3	0.6%
13.6%	51.7	52.0	0.3	0.5%
14.8%	51.7	51.9	0.2	0.4%
16.0%	51.6	51.9	0.3	0.6%
17.3%	51.5	51.9	0.3	0.7%
18.5%	51.4	51.9	0.5	0.9%
19.8%	51.4	51.9	0.5	0.9%
21.0%	51.4	51.7	0.4	0.7%
22.2%	51.3	51.7	0.4	0.8%
23.5%	51.3	51.7	0.4	0.8%
24.7%	51.3	51.6	0.3	0.6%
25.9%	51.3	51.6	0.3	0.6%
27.2%	51.2	51.6	0.3	0.7%
28.4%	51.2	51.5	0.3	0.7%
29.6%	51.1	51.5	0.4	0.8%
30.9%	51.0	51.5	0.5	1.0%
32.1%	51.0	51.4	0.5	1.0%
33.3%	50.9	51.4	0.5	1.0%
34.6%	50.9	51.3	0.4	0.8%
35.8%	50.8	51.1	0.4	0.7%
37.0%	50.7	51.1	0.3	0.7%
38.3%	50.7	51.1	0.4	0.8%
39.5%	50.6	51.0	0.4	0.7%
40.7%	50.6	50.9	0.4	0.7%
42.0%	50.6	50.9	0.3	0.7%
43.2%	50.5	50.8	0.3	0.5%
44.4%	50.4	50.7	0.3	0.7%
45.7%	50.4	50.7	0.3	0.7%
46.9%	50.4	50.5	0.2	0.3%
48.1%	50.4	50.5	0.2	0.3%
49.4%	50.3	50.4	0.1	0.2%
50.6%	50.3	50.4	0.1	0.2%
51.9%	50.2	50.2	0.0	0.0%
53.1%	49.9	50.1	0.2	0.4%
54.3%	49.9	50.0	0.1	0.3%
55.6%	49.9	49.9	0.0	0.1%
56.8%	49.8	49.9	0.1	0.2%
58.0%	49.7	49.9	0.1	0.2%
59.3%	49.7	49.8	0.1	0.2%
60.5%	49.7	49.8	0.1	0.1%
61.7%	49.5	49.7	0.2	0.4%
63.0%	49.5	49.6	0.2	0.3%
64.2%	49.4	49.6	0.2	0.3%
65.4%	49.4	49.6	0.1	0.3%
66.7%	49.4	49.5	0.1	0.2%
67.9%	49.4	49.5	0.1	0.2%
69.1%	49.4	49.4	0.0	0.0%
70.4%	49.4	49.3	-0.1	-0.1%
71.6%	49.3	49.2	-0.1	-0.2%
72.8%	49.1	49.1	0.0	0.0%
74.1%	48.7	49.1	0.3	0.7%
75.3%	48.7	49.0	0.3	0.6%
76.5%	48.4	48.9	0.5	1.1%
77.8%	48.3	48.5	0.1	0.3%
79.0%	48.3	48.4	0.1	0.2%
80.2%	48.3	48.3	0.0	0.1%
81.5%	48.1	48.3	0.2	0.5%
82.7%	48.1	48.2	0.2	0.4%
84.0%	47.5	47.6	0.1	0.2%
85.2%	47.4	47.6	0.2	0.3%
86.4%	47.2	47.3	0.1	0.1%
87.7%	47.2	47.2	0.0	0.1%
88.9%	47.1	47.1	0.0	0.0%
90.1%	46.7	47.0	0.3	0.6%
91.4%	46.5	46.6	0.1	0.3%
92.6%	46.5	46.1	-0.4	-0.9%
93.8%	45.9	46.1	0.2	0.5%
95.1%	45.7	45.7	0.1	0.1%
96.3%	44.4	45.6	1.2	2.7%
97.5%	44.1	45.0	1.0	2.2%
98.8%	43.9	44.5	0.5	1.1%
100.0%	43.9	44.5	0.5	1.1%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	49.6	49.8	0.2	0.3%
1.2%	48.8	48.9	0.1	0.3%
2.5%	48.6	48.7	0.1	0.2%
3.7%	48.5	48.7	0.2	0.4%
4.9%	48.4	48.5	0.1	0.2%
6.2%	48.1	48.4	0.2	0.5%
7.4%	48.0	48.2	0.2	0.4%
8.6%	48.0	48.2	0.2	0.4%
9.9%	47.9	48.1	0.2	0.3%
11.1%	47.8	48.0	0.2	0.5%
12.3%	47.7	48.0	0.3	0.6%
13.6%	47.7	48.0	0.3	0.6%
14.8%	47.6	48.0	0.4	0.8%
16.0%	47.6	47.9	0.3	0.7%
17.3%	47.5	47.9	0.4	0.8%
18.5%	47.5	47.7	0.2	0.4%
19.8%	47.5	47.6	0.2	0.3%
21.0%	47.3	47.6	0.3	0.6%
22.2%	47.3	47.4	0.1	0.3%
23.5%	47.3	47.4	0.1	0.3%
24.7%	47.3	47.4	0.1	0.2%
25.9%	47.2	47.3	0.0	0.1%
27.2%	47.2	47.2	0.0	0.0%
28.4%	47.2	47.2	0.0	0.0%
29.6%	47.1	47.2	0.1	0.2%
30.9%	47.0	47.1	0.1	0.2%
32.1%	47.0	47.1	0.1	0.2%
33.3%	46.9	47.1	0.1	0.3%
34.6%	46.9	47.1	0.1	0.3%
35.8%	46.9	47.0	0.1	0.2%
37.0%	46.9	47.0	0.1	0.3%
38.3%	46.9	47.0	0.1	0.3%
39.5%	46.8	47.0	0.1	0.2%
40.7%	46.8	47.0	0.1	0.3%
42.0%	46.8	47.0	0.2	0.3%
43.2%	46.7	46.9	0.2	0.5%
44.4%	46.7	46.8	0.1	0.3%
45.7%	46.7	46.7	0.1	0.1%
46.9%	46.6	46.7	0.1	0.2%
48.1%	46.6	46.7	0.1	0.3%
49.4%	46.5	46.6	0.1	0.2%
50.6%	46.5	46.6	0.1	0.2%
51.9%	46.4	46.5	0.1	0.2%
53.1%	46.3	46.5	0.1	0.3%
54.3%	46.3	46.4	0.1	0.2%
55.6%	46.3	46.4	0.1	0.2%
56.8%	46.3	46.3	0.1	0.1%
58.0%	46.2	46.3	0.1	0.2%
59.3%	46.1	46.3	0.2	0.4%
60.5%	46.1	46.2	0.1	0.2%
61.7%	46.0	46.1	0.1	0.2%
63.0%	46.0	46.0	0.0	0.1%
64.2%	45.9	46.0	0.1	0.3%
65.4%	45.9	46.0	0.2	0.3%
66.7%	45.6	46.0	0.4	0.9%
67.9%	45.6	45.7	0.2	0.4%
69.1%	45.6	45.6	0.0	0.0%
70.4%	45.5	45.5	0.0	0.0%
71.6%	45.5	45.5	-0.1	-0.1%
72.8%	45.5	45.4	0.0	0.0%
74.1%	45.4	45.4	0.0	0.1%
75.3%	45.4	45.4	0.1	0.1%
76.5%	45.4	45.4	0.1	0.1%
77.8%	45.3	45.4	0.0	0.1%
79.0%	45.3	45.3	0.0	0.1%
80.2%	45.3	45.3	0.0	0.1%
81.5%	45.2	45.2	0.0	0.0%
82.7%	45.2	45.1	0.0	0.0%
84.0%	44.9	45.0	0.1	0.1%
85.2%	44.9	44.9	0.0	0.1%
86.4%	44.8	44.9	0.1	0.3%
87.7%	44.8	44.8	0.0	0.0%
88.9%	44.6	44.5	0.0	0.0%
90.1%	44.5	44.4	-0.1	-0.2%
91.4%	44.4	44.4	0.0	0.0%
92.6%	44.4	44.3	0.0	-0.1%
93.8%	44.4	44.3	-0.1	-0.2%
95.1%	44.3	44.2	-0.1	-0.3%
96.3%	44.1	44.1	0.0	0.0%
97.5%	44.0	43.6	-0.3	-0.8%
98.8%	43.1	43.3	0.2	0.6%
100.0%	43.1	43.3	0.2	0.6%

Table SQ9-1b

American River below Nimbus Dam, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	51.0	49.8	-1.2	-2.4%
1.2%	49.7	49.7	0.0	-0.1%
2.5%	49.6	49.7	0.1	0.1%
3.7%	49.2	49.3	0.1	0.2%
4.9%	49.2	49.3	0.1	0.2%
6.2%	49.2	49.1	-0.1	-0.2%
7.4%	48.9	48.8	0.0	-0.1%
8.6%	48.8	48.8	-0.1	-0.1%
9.9%	48.6	48.7	0.1	0.1%
11.1%	48.6	48.6	0.0	-0.1%
12.3%	48.5	48.5	0.0	0.1%
13.6%	48.3	48.5	0.1	0.2%
14.8%	48.3	48.4	0.1	0.1%
16.0%	48.3	48.4	0.1	0.2%
17.3%	48.2	48.3	0.1	0.2%
18.5%	47.9	47.9	0.0	0.0%
19.8%	47.9	47.9	0.0	-0.1%
21.0%	47.9	47.9	0.0	0.0%
22.2%	47.8	47.8	0.0	-0.1%
23.5%	47.8	47.7	-0.1	-0.2%
24.7%	47.6	47.7	0.1	0.1%
25.9%	47.6	47.7	0.1	0.1%
27.2%	47.3	47.6	0.3	0.5%
28.4%	47.3	47.4	0.1	0.2%
29.6%	47.3	47.3	0.0	0.1%
30.9%	47.1	47.3	0.1	0.3%
32.1%	47.0	47.2	0.2	0.4%
33.3%	47.0	47.1	0.1	0.2%
34.6%	47.0	47.0	0.0	0.1%
35.8%	47.0	47.0	0.0	0.1%
37.0%	47.0	47.0	0.0	0.0%
38.3%	47.0	47.0	0.0	0.0%
39.5%	46.9	47.0	0.0	0.1%
40.7%	46.9	46.9	0.0	0.1%
42.0%	46.8	46.9	0.1	0.2%
43.2%	46.8	46.8	0.1	0.2%
44.4%	46.7	46.7	0.0	0.0%
45.7%	46.7	46.7	0.0	0.0%
46.9%	46.7	46.7	0.0	0.0%
48.1%	46.7	46.6	0.0	-0.1%
49.4%	46.7	46.6	0.0	-0.1%
50.6%	46.6	46.6	0.0	0.1%
51.9%	46.5	46.6	0.1	0.2%
53.1%	46.5	46.5	0.1	0.1%
54.3%	46.5	46.5	0.1	0.1%
55.6%	46.5	46.5	0.0	0.1%
56.8%	46.4	46.5	0.0	0.1%
58.0%	46.3	46.3	0.0	0.1%
59.3%	46.3	46.3	0.0	0.0%
60.5%	46.2	46.3	0.1	0.2%
61.7%	46.1	46.2	0.1	0.2%
63.0%	46.1	46.2	0.1	0.2%
64.2%	46.1	46.1	0.0	0.1%
65.4%	46.1	46.1	0.0	0.0%
66.7%	46.0	46.0	0.0	0.0%
67.9%	45.9	45.9	0.0	0.0%
69.1%	45.9	45.9	0.0	0.0%
70.4%	45.9	45.9	0.0	0.0%
71.6%	45.9	45.9	0.0	0.0%
72.8%	45.9	45.9	0.0	0.0%
74.1%	45.9	45.9	0.0	0.0%
75.3%	45.8	45.9	0.1	0.1%
76.5%	45.8	45.8	0.0	0.1%
77.8%	45.7	45.7	0.0	0.1%
79.0%	45.7	45.7	0.0	0.0%
80.2%	45.6	45.6	0.0	0.0%
81.5%	45.6	45.6	0.0	0.0%
82.7%	45.5	45.5	0.0	0.1%
84.0%	45.5	45.5	0.0	0.0%
85.2%	45.5	45.5	0.0	0.0%
86.4%	45.5	45.5	0.0	0.0%
87.7%	45.4	45.5	0.0	0.0%
88.9%	45.4	45.5	0.0	0.0%
90.1%	45.4	45.4	0.0	0.0%
91.4%	45.4	45.4	0.0	-0.1%
92.6%	45.4	45.3	0.0	-0.1%
93.8%	45.3	45.2	-0.1	-0.2%
95.1%	45.3	45.2	-0.1	-0.2%
96.3%	45.2	45.0	-0.2	-0.4%
97.5%	45.2	44.8	-0.4	-0.9%
98.8%	44.4	44.6	0.1	0.3%
100.0%	44.4	44.6	0.1	0.3%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.1	53.9	-0.2	-0.4%
1.2%	54.1	53.5	-0.6	-1.0%
2.5%	53.7	53.2	-0.5	-0.9%
3.7%	53.3	52.7	-0.5	-1.0%
4.9%	52.7	52.7	0.0	0.0%
6.2%	52.7	52.6	0.0	0.0%
7.4%	52.6	52.5	-0.1	-0.2%
8.6%	52.5	52.4	-0.1	-0.2%
9.9%	52.4	52.3	-0.1	-0.2%
11.1%	52.3	52.2	-0.1	-0.2%
12.3%	52.3	52.2	-0.1	-0.2%
13.6%	52.0	52.1	0.1	0.1%
14.8%	52.0	51.9	-0.1	-0.2%
16.0%	51.9	51.9	0.0	-0.1%
17.3%	51.9	51.9	-0.1	-0.2%
18.5%	51.6	51.7	0.2	0.3%
19.8%	51.6	51.6	0.0	0.0%
21.0%	51.2	51.2	0.0	0.0%
22.2%	51.1	50.9	-0.2	-0.4%
23.5%	50.8	50.9	0.1	0.1%
24.7%	50.7	50.8	0.0	0.0%
25.9%	50.7	50.8	0.0	0.1%
27.2%	50.7	50.7	0.0	0.0%
28.4%	50.4	50.4	0.0	0.0%
29.6%	50.2	50.3	0.0	0.0%
30.9%	50.2	50.2	0.0	0.1%
32.1%	50.2	50.2	0.0	0.0%
33.3%	50.1	50.0	0.0	-0.1%
34.6%	50.0	50.0	0.0	0.0%
35.8%	50.0	50.0	0.0	0.0%
37.0%	50.0	49.9	0.0	0.0%
38.3%	49.9	49.9	-0.1	-0.1%
39.5%	49.9	49.8	-0.1	-0.1%
40.7%	49.6	49.6	0.0	0.1%
42.0%	49.4	49.5	0.0	0.0%
43.2%	49.4	49.4	0.0	0.0%
44.4%	49.4	49.4	0.0	0.0%
45.7%	49.3	49.3	0.0	0.0%
46.9%	49.3	49.3	0.0	0.0%
48.1%	49.3	49.3	0.0	0.0%
49.4%	49.2	49.2	0.0	0.0%
50.6%	49.1	49.1	0.0	0.0%
51.9%	49.1	49.1	0.0	0.0%
53.1%	49.0	48.9	0.0	0.0%
54.3%	48.9	48.9	0.0	0.0%
55.6%	48.9	48.8	0.0	-0.1%
56.8%	48.8	48.8	0.0	0.0%
58.0%	48.8	48.8	0.0	0.0%
59.3%	48.8	48.7	-0.1	-0.2%
60.5%	48.7	48.7	0.0	-0.1%
61.7%	48.7	48.7	0.0	0.0%
63.0%	48.6	48.7	0.0	0.0%
64.2%	48.6	48.6	0.0	0.0%
65.4%	48.6	48.6	0.0	0.0%
66.7%	48.6	48.6	0.0	0.0%
67.9%	48.6	48.6	0.0	0.0%
69.1%	48.6	48.6	0.0	0.0%
70.4%	48.5	48.5	0.0	0.0%
71.6%	48.5	48.5	0.0	0.0%
72.8%	48.4	48.4	0.0	0.0%
74.1%	48.4	48.4	0.0	0.0%
75.3%	48.3	48.3	0.0	0.0%
76.5%	48.2	48.2	0.0	0.0%
77.8%	48.2	48.2	0.0	0.0%
79.0%	48.2	48.2	0.0	0.0%
80.2%	48.1	48.1	0.0	0.0%
81.5%	48.1	48.1	0.0	0.0%
82.7%	48.1	48.1	0.0	0.0%
84.0%	48.1	48.1	0.0	0.0%
85.2%	48.1	48.1	0.0	0.0%
86.4%	48.0	48.0	0.0	0.0%
87.7%	47.9	47.9	0.0	0.0%
88.9%	47.9	47.9	0.0	0.0%
90.1%	47.7	47.8	0.0	0.1%
91.4%	47.7	47.7	0.0	0.0%
92.6%	47.7	47.7	0.0	0.0%
93.8%	47.4	47.5	0.0	0.0%
95.1%	47.3	47.3	-0.1	-0.1%
96.3%	47.3	47.3	0.0	0.0%
97.5%	47.3	47.3	0.0	0.0%
98.8%	46.9	46.9	0.0	0.0%
100.0%	46.9	46.9	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.1	60.8	-0.3	-0.4%
1.2%	60.2	60.0	-0.3	-0.4%
2.5%	60.2	59.7	-0.5	-0.9%
3.7%	59.9	59.1	-0.8	-1.3%
4.9%	59.2	58.5	-0.6	-1.0%
6.2%	58.8	58.5	-0.3	-0.6%
7.4%	58.6	58.0	-0.6	-1.1%
8.6%	58.0	57.9	-0.1	-0.2%
9.9%	57.9	57.9	-0.1	-0.1%
11.1%	57.8	57.7	-0.1	-0.1%
12.3%	57.7	57.6	-0.2	-0.3%
13.6%	57.7	57.5	-0.2	-0.3%
14.8%	57.6	57.4	-0.2	-0.4%
16.0%	57.3	57.2	-0.1	-0.2%
17.3%	57.3	56.9	-0.4	-0.7%
18.5%	57.1	56.8	-0.4	-0.7%
19.8%	56.9	56.7	-0.1	-0.3%
21.0%	56.8	56.6	-0.2	-0.3%
22.2%	56.8	56.5	-0.3	-0.4%
23.5%	56.7	56.5	-0.3	-0.5%
24.7%	56.6	56.4	-0.2	-0.4%
25.9%	56.5	56.4	-0.1	-0.3%
27.2%	56.5	56.3	-0.2	-0.3%
28.4%	56.4	56.3	-0.1	-0.2%
29.6%	56.3	56.2	-0.1	-0.1%
30.9%	56.3	56.0	-0.3	-0.5%
32.1%	56.2	55.9	-0.3	-0.4%
33.3%	56.1	55.7	-0.3	-0.6%
34.6%	56.1	55.7	-0.3	-0.6%
35.8%	55.9	55.5	-0.4	-0.8%
37.0%	55.7	55.4	-0.2	-0.4%
38.3%	55.4	55.4	0.0	0.0%
39.5%	55.4	55.4	0.0	0.0%
40.7%	55.3	55.3	0.0	-0.1%
42.0%	55.3	55.3	0.0	-0.1%
43.2%	55.3	55.2	-0.1	-0.1%
44.4%	55.2	55.2	0.0	0.0%
45.7%	55.1	55.2	0.1	0.1%
46.9%	55.0	55.1	0.2	0.3%
48.1%	55.0	55.0	0.0	0.0%
49.4%	54.9	55.0	0.0	0.1%
50.6%	54.9	54.9	0.0	0.0%
51.9%	54.9	54.9	0.0	0.1%
53.1%	54.8	54.8	0.1	0.1%
54.3%	54.7	54.8	0.1	0.1%
55.6%	54.6	54.8	0.2	0.3%
56.8%	54.6	54.6	0.0	0.0%
58.0%	54.4	54.4	0.0	0.1%
59.3%	54.4	54.4	0.0	0.0%
60.5%	54.3	54.3	0.0	0.1%
61.7%	54.0	54.0	0.0	0.0%
63.0%	54.0	54.0	0.0	0.0%
64.2%	54.0	53.9	-0.1	-0.2%
65.4%	53.9	53.9	0.0	0.0%
66.7%	53.8	53.9	0.0	0.1%
67.9%	53.7	53.7	0.0	0.0%
69.1%	53.5	53.5	0.0	0.0%
70.4%	53.4	53.4	0.0	0.0%
71.6%	53.4	53.4	0.0	0.0%
72.8%	52.8	52.8	0.0	0.0%
74.1%	52.7	52.7	0.0	0.0%
75.3%	52.6	52.7	0.0	0.0%
76.5%	52.6	52.6	0.0	0.0%
77.8%	52.6	52.6	0.0	0.0%
79.0%	52.5	52.5	0.0	0.0%
80.2%	52.5	52.5	0.0	0.0%
81.5%	52.4	52.4	0.0	0.0%
82.7%	52.3	52.3	0.0	0.0%
84.0%	52.3	52.3	0.0	0.0%
85.2%	52.2	52.2	0.0	0.0%
86.4%	52.2	52.2	0.0	0.0%
87.7%	52.1	52.1	0.0	0.0%
88.9%	51.6	51.6	0.0	0.0%
90.1%	51.5	51.5	0.0	0.0%
91.4%	51.4	51.4	0.0	0.0%
92.6%	51.3	51.3	0.0	-0.1%
93.8%	51.3	51.3	0.0	-0.1%
95.1%	50.8	51.0	0.3	0.5%
96.3%	50.7	50.8	0.1	0.2%
97.5%	50.7	50.7	0.0	0.1%
98.8%	49.8	49.9	0.0	0.1%
100.0%	49.8	49.9	0.0	0.1%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.7	67.8	1.1	1.7%
1.2%	66.1	65.5	-0.6	-0.9%
2.5%	65.7	65.4	-0.3	-0.4%
3.7%	65.3	65.1	-0.2	-0.3%
4.9%	65.2	64.2	-1.0	-1.5%
6.2%	64.2	64.1	-0.1	-0.2%
7.4%	63.9	63.9	0.0	0.1%
8.6%	63.7	63.9	0.2	0.3%
9.9%	63.6	63.6	0.0	0.0%
11.1%	63.6	63.6	0.0	-0.1%
12.3%	63.5	63.4	-0.1	-0.1%
13.6%	63.5	63.3	-0.1	-0.2%
14.8%	63.2	62.6	-0.6	-1.0%
16.0%	62.9	62.5	-0.4	-0.7%
17.3%	62.6	62.4	-0.3	-0.4%
18.5%	62.6	62.2	-0.3	-0.5%
19.8%	62.5	62.0	-0.4	-0.7%
21.0%	62.3	62.0	-0.3	-0.5%
22.2%	62.2	62.0	-0.3	-0.4%
23.5%	62.2	61.9	-0.3	-0.5%
24.7%	62.2	61.9	-0.3	-0.4%
25.9%	62.1	61.8	-0.3	-0.5%
27.2%	62.0	61.7	-0.3	-0.4%
28.4%	61.9	61.7	-0.3	-0.4%
29.6%	61.8	61.6	-0.2	-0.3%
30.9%	61.6	61.5	-0.1	-0.2%
32.1%	61.6	61.5	-0.1	-0.1%
33.3%	61.6	61.5	-0.1	-0.1%
34.6%	61.5	61.4	-0.1	-0.1%
35.8%	61.3	61.4	0.1	0.1%
37.0%	61.2	61.3	0.1	0.2%
38.3%	61.1	61.3	0.2	0.3%
39.5%	61.1	61.3	0.2	0.3%
40.7%	61.0	61.3	0.2	0.4%
42.0%	60.8	61.2	0.4	0.7%
43.2%	60.7	61.1	0.5	0.8%
44.4%	60.6	60.7	0.1	0.2%
45.7%	60.6	60.7	0.1	0.1%
46.9%	60.6	60.6	0.1	0.1%
48.1%	60.6	60.6	0.0	0.1%
49.4%	60.5	60.5	-0.1	-0.1%
50.6%	60.4	60.4	-0.1	-0.1%
51.9%	60.3	60.3	0.0	0.0%
53.1%	60.3	60.2	-0.1	-0.2%
54.3%	60.2	60.1	0.0	-0.1%
55.6%	60.2	60.0	-0.1	-0.2%
56.8%	60.0	59.9	-0.1	-0.2%
58.0%	59.8	59.5	-0.3	-0.5%
59.3%	59.8	59.5	-0.2	-0.4%
60.5%	59.5	59.5	0.0	0.0%
61.7%	59.3	59.3	0.0	0.0%
63.0%	59.3	59.1	-0.2	-0.3%
64.2%	59.3	59.1	-0.2	-0.3%
65.4%	59.2	58.9	-0.3	-0.5%
66.7%	59.1	58.9	-0.2	-0.4%
67.9%	58.9	58.8	-0.1	-0.2%
69.1%	58.9	58.5	-0.4	-0.7%
70.4%	58.8	58.5	-0.4	-0.6%
71.6%	58.5	58.3	-0.2	-0.3%
72.8%	58.5	58.2	-0.3	-0.4%
74.1%	58.3	58.0	-0.3	-0.5%
75.3%	58.2	57.9	-0.3	-0.5%
76.5%	58.0	57.9	-0.1	-0.2%
77.8%	57.9	57.8	-0.1	-0.1%
79.0%	57.9	57.7	-0.1	-0.3%
80.2%	57.8	57.6	-0.2	-0.4%
81.5%	57.7	57.3	-0.4	-0.7%
82.7%	57.3	57.1	-0.2	-0.4%
84.0%	56.9	56.9	0.0	0.0%
85.2%	56.8	56.8	0.0	0.0%
86.4%	56.8	56.8	0.0	0.0%
87.7%	56.6	56.7	0.1	0.2%
88.9%	56.5	56.5	0.0	0.0%
90.1%	56.4	56.4	0.0	0.0%
91.4%	56.3	56.4	0.0	0.0%
92.6%	56.0	56.0	0.0	0.0%
93.8%	56.0	56.0	0.0	0.0%
95.1%	55.4	55.4	0.0	0.0%
96.3%	55.1	55.1	0.0	0.0%
97.5%	55.0	55.0	0.0	0.0%
98.8%	54.6	54.6	0.1	0.1%
100.0%	54.6	54.6	0.1	0.1%

Table SQ9-1b

American River below Nimbus Dam, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	69.5	69.5	0.0	0.0%
1.2%	69.4	69.4	-0.1	-0.1%
2.5%	68.9	69.3	0.3	0.5%
3.7%	68.3	68.4	0.0	0.0%
4.9%	68.3	68.1	-0.2	-0.3%
6.2%	68.2	68.1	-0.1	-0.2%
7.4%	68.1	67.9	-0.2	-0.3%
8.6%	68.1	67.4	-0.7	-1.0%
9.9%	68.1	67.4	-0.7	-1.0%
11.1%	68.0	67.3	-0.7	-1.1%
12.3%	68.0	67.2	-0.8	-1.2%
13.6%	68.0	67.2	-0.8	-1.1%
14.8%	67.9	67.2	-0.7	-1.1%
16.0%	67.9	67.1	-0.7	-1.1%
17.3%	67.8	66.9	-0.9	-1.3%
18.5%	67.6	66.8	-0.8	-1.2%
19.8%	67.5	66.7	-0.8	-1.2%
21.0%	67.2	66.7	-0.5	-0.8%
22.2%	67.1	66.7	-0.4	-0.6%
23.5%	67.0	66.6	-0.3	-0.5%
24.7%	66.9	66.5	-0.3	-0.5%
25.9%	66.8	66.2	-0.6	-0.9%
27.2%	66.8	66.2	-0.6	-0.9%
28.4%	66.8	66.1	-0.7	-1.0%
29.6%	66.7	66.1	-0.6	-1.0%
30.9%	66.7	66.0	-0.7	-1.0%
32.1%	66.5	66.0	-0.5	-0.7%
33.3%	66.5	66.0	-0.5	-0.7%
34.6%	66.4	66.0	-0.4	-0.6%
35.8%	66.3	65.8	-0.4	-0.6%
37.0%	66.2	65.8	-0.4	-0.6%
38.3%	66.1	65.5	-0.5	-0.8%
39.5%	65.7	65.2	-0.4	-0.6%
40.7%	65.6	65.2	-0.4	-0.7%
42.0%	65.5	65.0	-0.4	-0.6%
43.2%	65.3	65.0	-0.3	-0.4%
44.4%	65.3	64.8	-0.5	-0.7%
45.7%	65.1	64.6	-0.4	-0.7%
46.9%	64.9	64.5	-0.4	-0.6%
48.1%	64.8	64.5	-0.3	-0.5%
49.4%	64.4	64.4	0.0	0.1%
50.6%	64.3	64.4	0.0	0.0%
51.9%	64.3	64.1	-0.2	-0.3%
53.1%	64.2	64.0	-0.2	-0.3%
54.3%	64.1	64.0	-0.1	-0.1%
55.6%	64.0	64.0	0.1	0.1%
56.8%	63.9	63.9	0.0	0.0%
58.0%	63.9	63.7	-0.2	-0.4%
59.3%	63.8	63.7	-0.2	-0.3%
60.5%	63.8	63.7	-0.1	-0.2%
61.7%	63.6	63.3	-0.3	-0.5%
63.0%	63.4	63.2	-0.2	-0.2%
64.2%	63.1	63.1	0.0	0.0%
65.4%	62.8	63.1	0.3	0.6%
66.7%	62.6	63.1	0.5	0.8%
67.9%	62.5	62.2	-0.3	-0.5%
69.1%	62.2	62.0	-0.2	-0.3%
70.4%	61.9	61.8	-0.1	-0.2%
71.6%	61.8	61.7	-0.1	-0.2%
72.8%	61.7	61.7	0.0	0.0%
74.1%	61.7	61.5	-0.2	-0.3%
75.3%	61.5	61.4	0.0	0.0%
76.5%	61.4	61.4	0.0	0.0%
77.8%	61.2	61.0	-0.2	-0.3%
79.0%	61.2	61.0	-0.2	-0.2%
80.2%	61.0	60.9	0.0	-0.1%
81.5%	60.9	60.9	0.0	0.0%
82.7%	60.9	60.8	0.0	0.0%
84.0%	60.8	60.6	-0.1	-0.2%
85.2%	60.6	60.4	-0.2	-0.3%
86.4%	60.2	60.2	0.0	0.0%
87.7%	60.2	60.0	-0.2	-0.3%
88.9%	60.0	60.0	0.0	0.0%
90.1%	59.9	59.9	0.0	0.0%
91.4%	59.9	59.9	0.0	0.0%
92.6%	59.8	59.8	0.0	0.0%
93.8%	59.6	59.6	0.0	0.0%
95.1%	59.4	59.4	0.0	0.0%
96.3%	59.3	59.3	0.0	0.0%
97.5%	58.9	59.1	0.1	0.2%
98.8%	58.7	58.7	0.0	0.0%
100.0%	58.7	58.7	0.0	0.0%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	71.7	72.1	0.3	0.4%
1.2%	70.8	69.6	-1.2	-1.7%
2.5%	70.7	69.3	-1.4	-2.0%
3.7%	70.0	69.2	-0.8	-1.1%
4.9%	69.5	68.7	-0.9	-1.2%
6.2%	69.5	68.5	-1.1	-1.5%
7.4%	69.2	68.3	-0.9	-1.3%
8.6%	69.2	68.2	-0.9	-1.4%
9.9%	69.1	68.2	-0.9	-1.3%
11.1%	68.9	67.9	-1.0	-1.5%
12.3%	68.7	67.7	-1.0	-1.4%
13.6%	68.6	67.7	-0.9	-1.3%
14.8%	68.6	67.7	-0.9	-1.3%
16.0%	68.6	67.7	-0.9	-1.3%
17.3%	68.4	67.7	-0.7	-1.1%
18.5%	68.3	67.5	-0.9	-1.2%
19.8%	67.9	67.4	-0.5	-0.7%
21.0%	67.8	67.4	-0.4	-0.6%
22.2%	67.7	66.7	-1.0	-1.4%
23.5%	67.4	66.4	-1.0	-1.5%
24.7%	67.4	66.3	-1.0	-1.5%
25.9%	67.3	66.3	-1.0	-1.5%
27.2%	67.1	66.2	-0.9	-1.4%
28.4%	67.1	66.1	-1.0	-1.5%
29.6%	67.0	66.0	-1.0	-1.5%
30.9%	67.0	66.0	-0.9	-1.4%
32.1%	66.9	66.0	-0.9	-1.4%
33.3%	66.9	66.0	-1.0	-1.5%
34.6%	66.9	65.9	-1.0	-1.5%
35.8%	66.8	65.8	-1.0	-1.5%
37.0%	66.8	65.7	-1.1	-1.6%
38.3%	66.8	65.4	-1.4	-2.1%
39.5%	66.7	65.3	-1.4	-2.1%
40.7%	66.4	65.3	-1.1	-1.6%
42.0%	66.3	65.1	-1.1	-1.7%
43.2%	66.2	65.1	-1.1	-1.6%
44.4%	66.1	65.1	-1.1	-1.6%
45.7%	66.1	65.1	-1.1	-1.6%
46.9%	66.1	65.1	-1.0	-1.6%
48.1%	66.0	65.0	-0.9	-1.4%
49.4%	66.0	65.0	-0.9	-1.4%
50.6%	65.9	64.9	-1.0	-1.6%
51.9%	65.8	64.9	-0.9	-1.4%
53.1%	65.7	64.9	-0.9	-1.3%
54.3%	65.7	64.8	-0.9	-1.3%
55.6%	65.7	64.7	-1.0	-1.5%
56.8%	65.7	64.7	-1.0	-1.5%
58.0%	65.6	64.7	-0.9	-1.4%
59.3%	65.5	64.7	-0.9	-1.3%
60.5%	65.5	64.6	-0.9	-1.4%
61.7%	65.5	64.6	-0.9	-1.4%
63.0%	65.5	64.5	-0.9	-1.4%
64.2%	65.3	64.5	-0.8	-1.2%
65.4%	65.3	64.5	-0.8	-1.2%
66.7%	65.3	64.5	-0.8	-1.2%
67.9%	65.3	64.4	-0.9	-1.3%
69.1%	65.2	64.3	-0.8	-1.3%
70.4%	65.2	64.3	-0.8	-1.3%
71.6%	65.1	64.3	-0.8	-1.3%
72.8%	65.1	64.3	-0.8	-1.3%
74.1%	65.1	64.3	-0.9	-1.3%
75.3%	65.1	64.3	-0.8	-1.3%
76.5%	65.0	64.2	-0.8	-1.3%
77.8%	65.0	64.0	-1.0	-1.5%
79.0%	64.9	64.0	-0.9	-1.4%
80.2%	64.9	63.9	-1.0	-1.5%
81.5%	64.8	63.9	-0.9	-1.3%
82.7%	64.7	63.9	-0.8	-1.3%
84.0%	64.7	63.8	-0.9	-1.4%
85.2%	64.7	63.7	-1.0	-1.5%
86.4%	64.7	63.5	-1.1	-1.8%
87.7%	64.6	63.4	-1.2	-1.9%
88.9%	64.6	63.3	-1.2	-1.9%
90.1%	64.4	63.0	-1.4	-2.2%
91.4%	64.2	63.0	-1.2	-1.9%
92.6%	64.1	62.9	-1.2	-1.8%
93.8%	63.9	62.9	-1.1	-1.7%
95.1%	63.9	62.7	-1.2	-1.9%
96.3%	63.8	62.6	-1.2	-1.9%
97.5%	63.8	62.5	-1.2	-1.9%
98.8%	63.7	62.3	-1.4	-2.2%
100.0%	63.7	62.3	-1.4	-2.2%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	70.5	70.1	-0.4	-0.5%
1.2%	69.0	69.1	0.1	0.2%
2.5%	68.5	68.1	-0.4	-0.6%
3.7%	68.5	68.0	-0.5	-0.7%
4.9%	68.4	67.9	-0.5	-0.8%
6.2%	67.9	67.9	0.0	0.0%
7.4%	67.9	67.7	-0.2	-0.2%
8.6%	67.8	67.6	-0.2	-0.3%
9.9%	67.8	67.6	-0.2	-0.3%
11.1%	67.8	67.6	-0.2	-0.3%
12.3%	67.8	67.5	-0.3	-0.4%
13.6%	67.8	67.5	-0.3	-0.4%
14.8%	67.8	67.5	-0.3	-0.4%
16.0%	67.7	67.3	-0.4	-0.6%
17.3%	67.7	67.3	-0.4	-0.6%
18.5%	67.4	67.2	-0.2	-0.3%
19.8%	67.4	67.2	-0.2	-0.3%
21.0%	67.4	67.1	-0.2	-0.3%
22.2%	67.4	67.1	-0.3	-0.4%
23.5%	67.4	67.0	-0.3	-0.5%
24.7%	67.3	67.0	-0.3	-0.5%
25.9%	67.3	67.0	-0.3	-0.4%
27.2%	67.3	66.9	-0.3	-0.5%
28.4%	67.3	66.9	-0.4	-0.6%
29.6%	67.3	66.9	-0.4	-0.6%
30.9%	67.2	66.8	-0.4	-0.6%
32.1%	67.2	66.8	-0.4	-0.6%
33.3%	67.1	66.8	-0.3	-0.5%
34.6%	67.1	66.8	-0.3	-0.5%
35.8%	67.0	66.7	-0.3	-0.5%
37.0%	67.0	66.6	-0.4	-0.6%
38.3%	67.0	66.6	-0.4	-0.6%
39.5%	67.0	66.5	-0.5	-0.7%
40.7%	67.0	66.5	-0.5	-0.7%
42.0%	67.0	66.5	-0.5	-0.7%
43.2%	67.0	66.5	-0.5	-0.7%
44.4%	66.9	66.4	-0.5	-0.7%
45.7%	66.8	66.3	-0.5	-0.8%
46.9%	66.8	66.3	-0.5	-0.8%
48.1%	66.7	66.2	-0.5	-0.8%
49.4%	66.7	66.2	-0.5	-0.8%
50.6%	66.7	66.0	-0.7	-1.0%
51.9%	66.7	66.0	-0.6	-0.9%
53.1%	66.6	66.0	-0.6	-0.9%
54.3%	66.6	65.9	-0.7	-1.1%
55.6%	66.6	65.9	-0.7	-1.0%
56.8%	66.5	65.9	-0.7	-1.0%
58.0%	66.4	65.9	-0.6	-0.9%
59.3%	66.4	65.7	-0.7	-1.1%
60.5%	66.4	65.5	-0.9	-1.4%
61.7%	66.4	65.4	-1.0	-1.4%
63.0%	66.3	65.3	-0.9	-1.4%
64.2%	66.3	65.3	-0.9	-1.4%
65.4%	66.3	65.2	-1.1	-1.6%
66.7%	66.3	65.2	-1.0	-1.6%
67.9%	66.2	65.1	-1.1	-1.6%
69.1%	66.2	65.1	-1.1	-1.6%
70.4%	66.2	65.1	-1.1	-1.7%
71.6%	66.2	65.1	-1.1	-1.6%
72.8%	66.1	65.1	-1.1	-1.6%
74.1%	66.1	65.1	-1.1	-1.6%
75.3%	66.1	65.0	-1.1	-1.7%
76.5%	66.0	64.8	-1.1	-1.7%
77.8%	66.0	64.8	-1.2	-1.7%
79.0%	66.0	64.6	-1.3	-2.0%
80.2%	65.9	64.4	-1.4	-2.2%
81.5%	65.8	64.4	-1.4	-2.2%
82.7%	65.7	64.4	-1.4	-2.1%
84.0%	65.7	64.3	-1.4	-2.1%
85.2%	65.4	64.3	-1.1	-1.7%
86.4%	65.2	64.2	-1.0	-1.5%
87.7%	65.2	64.1	-1.1	-1.7%
88.9%	65.1	64.0	-1.2	-1.8%
90.1%	65.1	63.9	-1.1	-1.7%
91.4%	65.0	63.9	-1.2	-1.8%
92.6%	65.0	63.8	-1.2	-1.9%
93.8%	65.0	63.8	-1.2	-1.8%
95.1%	64.5	63.8	-0.8	-1.2%
96.3%	64.2	63.6	-0.7	-1.1%
97.5%	64.0	63.5	-0.5	-0.7%
98.8%	63.5	63.5	0.0	0.0%
100.0%	63.5	63.5	0.0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	70.7	70.8	0.1	0.1%
1.2%	70.1	69.7	-0.4	-0.5%
2.5%	69.7	69.6	0.0	-0.1%
3.7%	69.6	69.5	-0.1	-0.2%
4.9%	69.5	69.4	-0.1	-0.2%
6.2%	69.5	69.4	-0.1	-0.2%
7.4%	69.5	69.3	-0.2	-0.3%
8.6%	69.5	69.3	-0.2	-0.3%
9.9%	69.4	69.2	-0.2	-0.3%
11.1%	69.4	69.2	-0.2	-0.3%
12.3%	69.4	69.2	-0.2	-0.3%
13.6%	69.4	69.2	-0.2	-0.3%
14.8%	69.3	68.9	-0.4	-0.6%
16.0%	69.3	68.9	-0.3	-0.5%
17.3%	69.2	68.9	-0.4	-0.5%
18.5%	69.2	68.8	-0.4	-0.6%
19.8%	69.1	68.7	-0.4	-0.6%
21.0%	69.1	68.5	-0.6	-0.8%
22.2%	69.1	68.5	-0.6	-0.9%
23.5%	69.1	68.3	-0.8	-1.1%
24.7%	69.0	68.2	-0.8	-1.2%
25.9%	69.0	68.2	-0.8	-1.2%
27.2%	69.0	68.1	-0.8	-1.2%
28.4%	68.9	68.1	-0.9	-1.3%
29.6%	68.9	68.0	-0.9	-1.3%
30.9%	68.9	68.0	-0.9	-1.3%
32.1%	68.9	68.0	-0.9	-1.3%
33.3%	68.8	67.9	-0.8	-1.2%
34.6%	68.7	67.9	-0.8	-1.2%
35.8%	68.7	67.9	-0.8	-1.2%
37.0%	68.7	67.9	-0.8	-1.1%
38.3%	68.6	67.9	-0.8	-1.1%
39.5%	68.6	67.8	-0.8	-1.2%
40.7%	68.6	67.8	-0.8	-1.2%
42.0%	68.6	67.8	-0.8	-1.2%
43.2%	68.5	67.7	-0.8	-1.1%
44.4%	68.5	67.7	-0.8	-1.2%
45.7%	68.5	67.7	-0.8	-1.1%
46.9%	68.4	67.7	-0.8	-1.1%
48.1%	68.4	67.7	-0.7	-1.1%
49.4%	68.4	67.6	-0.7	-1.1%
50.6%	68.4	67.5	-0.8	-1.2%
51.9%	68.3	67.5	-0.8	-1.2%
53.1%	68.3	67.5	-0.8	-1.2%
54.3%	68.3	67.5	-0.8	-1.2%
55.6%	68.2	67.4	-0.8	-1.2%
56.8%	68.2	67.3	-0.9	-1.3%
58.0%	68.2	67.3	-0.9	-1.3%
59.3%	68.2	67.2	-0.9	-1.3%
60.5%	68.1	67.2	-0.8	-1.2%
61.7%	68.1	67.2	-0.8	-1.2%
63.0%	68.0	67.2	-0.9	-1.3%
64.2%	68.0	67.1	-1.0	-1.4%
65.4%	68.0	67.0	-1.0	-1.5%
66.7%	68.0	66.9	-1.1	-1.6%
67.9%	67.9	66.9	-1.0	-1.5%
69.1%	67.9	66.9	-1.1	-1.6%
70.4%	67.9	66.8	-1.1	-1.6%
71.6%	67.9	66.7	-1.2	-1.7%
72.8%	67.9	66.7	-1.2	-1.7%
74.1%	67.5	66.7	-0.8	-1.2%
75.3%	67.4	66.6	-0.7	-1.1%
76.5%	67.4	66.5	-0.9	-1.3%
77.8%	67.3	66.4	-0.9	-1.3%
79.0%	67.2	66.4	-0.7	-1.1%
80.2%	67.1	66.2	-0.8	-1.3%
81.5%	67.0	66.2	-0.8	-1.2%
82.7%	67.0	66.2	-0.8	-1.2%
84.0%	66.9	66.1	-0.9	-1.3%
85.2%	66.9	66.0	-0.9	-1.3%
86.4%	66.8	66.0	-0.9	-1.3%
87.7%	66.8	65.8	-0.9	-1.4%
88.9%	66.6	65.8	-0.7	-1.1%
90.1%	66.5	65.5	-1.0	-1.5%
91.4%	66.4	65.5	-0.9	-1.3%
92.6%	66.0	65.4	-0.6	-0.9%
93.8%	66.0	65.4	-0.6	-0.9%
95.1%	65.9	65.3	-0.6	-0.9%
96.3%	65.9	65.2	-0.7	-1.0%
97.5%	65.7	65.2	-0.5	-0.7%
98.8%	65.4	65.1	-0.3	-0.5%
100.0%	65.4	65.1	-0.3	-0.5%

Table SQ9-1b

American River below Nimbus Dam, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	69.5	70.6	1.1	1.6%
1.2%	69.4	68.8	-0.6	-0.9%
2.5%	69.0	68.8	-0.2	-0.3%
3.7%	68.8	68.8	0.0	0.0%
4.9%	68.7	68.7	0.0	-0.1%
6.2%	68.7	68.4	-0.3	-0.4%
7.4%	68.3	68.1	-0.2	-0.3%
8.6%	68.2	68.0	-0.2	-0.3%
9.9%	68.1	67.9	-0.2	-0.4%
11.1%	67.7	67.7	0.0	0.0%
12.3%	67.7	67.6	-0.1	-0.1%
13.6%	67.7	67.4	-0.3	-0.4%
14.8%	67.6	67.2	-0.5	-0.7%
16.0%	67.5	67.0	-0.6	-0.8%
17.3%	67.5	67.0	-0.6	-0.9%
18.5%	67.5	66.8	-0.7	-1.1%
19.8%	67.4	66.8	-0.6	-0.9%
21.0%	67.3	66.7	-0.6	-1.0%
22.2%	67.1	66.6	-0.4	-0.7%
23.5%	67.1	66.4	-0.6	-0.9%
24.7%	67.1	66.4	-0.6	-0.9%
25.9%	67.0	66.4	-0.6	-0.9%
27.2%	67.0	66.4	-0.7	-1.0%
28.4%	67.0	66.4	-0.6	-0.9%
29.6%	67.0	66.3	-0.7	-1.1%
30.9%	66.9	66.2	-0.7	-1.1%
32.1%	66.9	66.2	-0.7	-1.0%
33.3%	66.8	66.2	-0.7	-1.0%
34.6%	66.8	66.2	-0.7	-1.0%
35.8%	66.8	66.1	-0.6	-1.0%
37.0%	66.8	66.1	-0.7	-1.0%
38.3%	66.8	66.1	-0.7	-1.0%
39.5%	66.7	66.1	-0.6	-0.9%
40.7%	66.7	66.0	-0.7	-1.0%
42.0%	66.7	66.0	-0.7	-1.0%
43.2%	66.7	66.0	-0.7	-1.0%
44.4%	66.7	66.0	-0.7	-1.0%
45.7%	66.6	65.9	-0.7	-1.0%
46.9%	66.6	65.9	-0.7	-1.0%
48.1%	66.6	65.9	-0.7	-1.0%
49.4%	66.5	65.8	-0.7	-1.0%
50.6%	66.5	65.8	-0.7	-1.1%
51.9%	66.5	65.8	-0.7	-1.0%
53.1%	66.4	65.8	-0.7	-1.0%
54.3%	66.4	65.7	-0.7	-1.1%
55.6%	66.3	65.6	-0.7	-1.0%
56.8%	66.3	65.5	-0.8	-1.2%
58.0%	66.0	65.5	-0.5	-0.8%
59.3%	65.9	65.5	-0.4	-0.6%
60.5%	65.9	65.5	-0.4	-0.6%
61.7%	65.9	65.4	-0.5	-0.7%
63.0%	65.9	65.3	-0.5	-0.8%
64.2%	65.8	65.3	-0.6	-0.8%
65.4%	65.8	65.1	-0.7	-1.1%
66.7%	65.8	65.1	-0.7	-1.1%
67.9%	65.7	65.0	-0.8	-1.2%
69.1%	65.7	64.9	-0.8	-1.2%
70.4%	65.6	64.9	-0.7	-1.1%
71.6%	65.6	64.7	-0.8	-1.3%
72.8%	65.5	64.7	-0.8	-1.3%
74.1%	65.5	64.6	-0.9	-1.3%
75.3%	65.4	64.6	-0.8	-1.2%
76.5%	65.3	64.6	-0.7	-1.1%
77.8%	65.2	64.4	-0.8	-1.2%
79.0%	65.1	64.3	-0.8	-1.2%
80.2%	65.1	64.3	-0.8	-1.2%
81.5%	65.1	64.2	-0.8	-1.3%
82.7%	65.0	64.2	-0.8	-1.2%
84.0%	65.0	64.1	-0.8	-1.3%
85.2%	65.0	64.1	-0.9	-1.4%
86.4%	64.8	64.0	-0.7	-1.2%
87.7%	64.7	63.9	-0.8	-1.2%
88.9%	64.7	63.8	-0.9	-1.4%
90.1%	64.6	63.7	-1.0	-1.5%
91.4%	64.6	63.6	-1.0	-1.5%
92.6%	64.6	63.6	-1.0	-1.6%
93.8%	64.5	63.4	-1.1	-1.7%
95.1%	64.4	63.4	-1.0	-1.6%
96.3%	64.4	63.2	-1.2	-1.9%
97.5%	64.3	63.1	-1.2	-1.9%
98.8%	64.0	62.9	-1.0	-1.6%
100.0%	63.9	62.3	-1.6	-2.5%

July to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	70.3	71.0	0.7	1.1%
1.2%	69.9	69.0	-0.9	-1.3%
2.5%	69.7	68.8	-0.9	-1.3%
3.7%	69.1	68.6	-0.5	-0.7%
4.9%	69.0	68.5	-0.5	-0.7%
6.2%	69.0	68.5	-0.5	-0.7%
7.4%	68.9	68.4	-0.5	-0.7%
8.6%	68.7	68.2	-0.4	-0.6%
9.9%	68.6	68.2	-0.4	-0.5%
11.1%	68.5	68.2	-0.3	-0.5%
12.3%	68.5	68.1	-0.4	-0.5%
13.6%	68.3	68.1	-0.3	-0.4%
14.8%	68.3	68.0	-0.3	-0.4%
16.0%	68.1	68.0	-0.1	-0.1%
17.3%	68.0	67.9	-0.1	-0.2%
18.5%	67.9	67.9	0.0	0.0%
19.8%	67.6	67.8	0.2	0.3%
21.0%	67.6	67.4	-0.2	-0.2%
22.2%	67.6	67.3	-0.3	-0.5%
23.5%	67.6	67.2	-0.3	-0.5%
24.7%	67.5	67.2	-0.3	-0.5%
25.9%	67.5	67.1	-0.3	-0.5%
27.2%	67.4	67.0	-0.5	-0.7%
28.4%	67.2	66.7	-0.6	-0.9%
29.6%	67.2	66.6	-0.6	-1.0%
30.9%	67.2	66.6	-0.6	-0.9%
32.1%	67.2	66.5	-0.6	-1.0%
33.3%	67.2	66.4	-0.8	-1.1%
34.6%	67.1	66.2	-0.9	-1.4%
35.8%	67.1	66.2	-0.9	-1.4%
37.0%	67.0	66.1	-0.9	-1.4%
38.3%	66.9	66.1	-0.8	-1.2%
39.5%	66.8	66.1	-0.8	-1.2%
40.7%	66.8	66.1	-0.8	-1.1%
42.0%	66.8	66.0	-0.8	-1.1%
43.2%	66.8	66.0	-0.8	-1.1%
44.4%	66.8	66.0	-0.8	-1.1%
45.7%	66.8	66.0	-0.8	-1.1%
46.9%	66.8	66.0	-0.8	-1.1%
48.1%	66.8	66.0	-0.8	-1.2%
49.4%	66.7	66.0	-0.8	-1.1%
50.6%	66.7	66.0	-0.7	-1.1%
51.9%	66.7	66.0	-0.7	-1.1%
53.1%	66.7	65.9	-0.8	-1.2%
54.3%	66.7	65.9	-0.8	-1.2%
55.6%	66.7	65.8	-0.8	-1.3%
56.8%	66.7	65.8	-0.8	-1.3%
58.0%	66.7	65.8	-0.9	-1.4%
59.3%	66.6	65.7	-0.9	-1.4%
60.5%	66.6	65.6	-0.9	-1.4%
61.7%	66.6	65.6	-0.9	-1.4%
63.0%	66.6	65.6	-1.0	-1.4%
64.2%	66.6	65.6	-1.0	-1.4%
65.4%	66.6	65.6	-1.0	-1.5%
66.7%	66.5	65.5	-1.0	-1.6%
67.9%	66.5	65.5	-1.0	-1.5%
69.1%	66.5	65.5	-1.0	-1.5%
70.4%	66.5	65.5	-1.0	-1.5%
71.6%	66.4	65.5	-1.0	-1.5%
72.8%	66.4	65.5	-1.0	-1.5%
74.1%	66.4	65.5	-1.0	-1.4%
75.3%	66.4	65.4	-1.0	-1.4%
76.5%	66.4	65.4	-1.0	-1.5%
77.8%	66.4	65.4	-1.0	-1.5%
79.0%	66.4	65.4	-1.0	-1.5%
80.2%	66.3	65.4	-1.0	-1.4%
81.5%	66.3	65.3	-1.0	-1.5%
82.7%	66.3	65.3	-1.0	-1.5%
84.0%	66.3	65.2	-1.0	-1.6%
85.2%	66.2	65.2	-1.0	-1.6%
86.4%	66.2	65.2	-1.1	-1.6%
87.7%	66.2	65.1	-1.1	-1.6%
88.9%	66.2	65.0	-1.2	-1.8%
90.1%	66.2	65.0	-1.2	-1.8%
91.4%	66.1	64.9	-1.1	-1.7%
92.6%	66.0	64.9	-1.1	-1.7%
93.8%	66.0	64.5	-1.5	-2.2%
95.1%	66.0	64.5	-1.5	-2.3%
96.3%	65.8	64.4	-1.4	-2.1%
97.5%	65.6	64.4	-1.3	-2.0%
98.8%	65.5	64.3	-1.2	-1.8%
100.0%	65.2	63.3	-1.9	-2.9%

August to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	70.6	70.5	-0.1	-0.2%
1.2%	69.2	68.9	-0.4	-0.5%
2.5%	69.0	68.8	-0.2	-0.3%
3.7%	68.9	68.6	-0.3	-0.4%
4.9%	68.7	68.5	-0.2	-0.3%
6.2%	68.7	68.5	-0.2	-0.3%
7.4%	68.6	68.4	-0.2	-0.3%
8.6%	68.6	68.4	-0.2	-0.3%
9.9%	68.5	68.3	-0.1	-0.2%
11.1%	68.4	68.3	-0.1	-0.2%
12.3%	68.4	68.2	-0.2	-0.3%
13.6%	68.4	68.2	-0.2	-0.2%
14.8%	68.3	68.2	-0.1	-0.1%
16.0%	68.2	68.2	0.0	0.0%
17.3%	68.2	68.1	0.0	-0.1%
18.5%	68.1	67.9	-0.3	-0.4%
19.8%	68.1	67.9	-0.2	-0.3%
21.0%	68.1	67.8	-0.3	-0.4%
22.2%	68.0	67.7	-0.3	-0.4%
23.5%	68.0	67.7	-0.3	-0.4%
24.7%	67.9	67.6	-0.3	-0.5%
25.9%	67.9	67.6	-0.3	-0.5%
27.2%	67.9	67.6	-0.3	-0.4%
28.4%	67.8	67.5	-0.3	-0.5%
29.6%	67.8	67.4	-0.4	-0.6%
30.9%	67.8	67.3	-0.5	-0.7%
32.1%	67.8	67.3	-0.5	-0.7%
33.3%	67.7	67.3	-0.4	-0.6%
34.6%	67.7	67.2	-0.5	-0.7%
35.8%	67.7	67.2	-0.5	-0.7%
37.0%	67.6	67.2	-0.4	-0.6%
38.3%	67.5	67.1	-0.4	-0.6%
39.5%	67.5	67.1	-0.4	-0.6%
40.7%	67.5	67.1	-0.4	-0.6%
42.0%	67.5	67.1	-0.4	-0.7%
43.2%	67.5	67.0	-0.4	-0.7%
44.4%	67.5	67.0	-0.4	-0.7%
45.7%	67.5	67.0	-0.5	-0.7%
46.9%	67.5	67.0	-0.5	-0.7%
48.1%	67.4	67.0	-0.5	-0.7%
49.4%	67.4	67.0	-0.5	-0.7%
50.6%	67.4	66.9	-0.5	-0.7%
51.9%	67.4	66.9	-0.5	-0.7%
53.1%	67.3	66.9	-0.5	-0.7%
54.3%	67.3	66.8	-0.5	-0.8%
55.6%	67.3	66.7	-0.5	-0.8%
56.8%	67.3	66.7	-0.6	-0.8%
58.0%	67.3	66.7	-0.6	-0.9%
59.3%	67.3	66.6	-0.7	-1.0%
60.5%	67.3	66.5	-0.7	-1.1%
61.7%	67.3	66.1	-1.1	-1.7%
63.0%	67.2	66.0	-1.2	-1.8%
64.2%	67.2	66.0	-1.2	-1.8%
65.4%	67.2	65.9	-1.2	-1.8%
66.7%	67.1	65.9	-1.1	-1.7%
67.9%	67.1	65.9	-1.1	-1.7%
69.1%	67.1	65.9	-1.2	-1.7%
70.4%	67.0	65.8	-1.2	-1.8%
71.6%	67.0	65.8	-1.2	-1.7%
72.8%	66.9	65.8	-1.2	-1.7%
74.1%	66.9	65.8	-1.1	-1.7%
75.3%	66.9	65.6	-1.3	-1.9%
76.5%	66.8	65.6	-1.2	-1.8%
77.8%	66.8	65.6	-1.2	-1.8%
79.0%	66.8	65.5	-1.2	-1.9%
80.2%	66.7	65.5	-1.2	-1.9%
81.5%	66.7	65.3	-1.4	-2.1%
82.7%	66.7	65.3	-1.4	-2.1%
84.0%	66.7	65.3	-1.4	-2.1%
85.2%	66.6	65.2	-1.3	-2.0%
86.4%	66.5	65.2	-1.3	-2.0%
87.7%	66.4	65.2	-1.2	-1.9%
88.9%	66.4	65.2	-1.2	-1.8%
90.1%	66.3	65.2	-1.2	-1.8%
91.4%	66.2	64.9	-1.3	-1.9%
92.6%	66.1	64.9	-1.2	-1.9%
93.8%	66.0	64.9	-1.2	-1.7%
95.1%	65.9	64.7	-1.2	-1.8%
96.3%	65.9	64.7	-1.2	-1.8%
97.5%	65.6	64.6	-1.0	-1.5%
98.8%	65.0	64.5	-0.5	-0.7%
100.0%	64.4	63.4	-1.0	-1.5%

Figure SQ10-1b
American River at Watt Avenue, Monthly Temperature
Probability of Exceedance

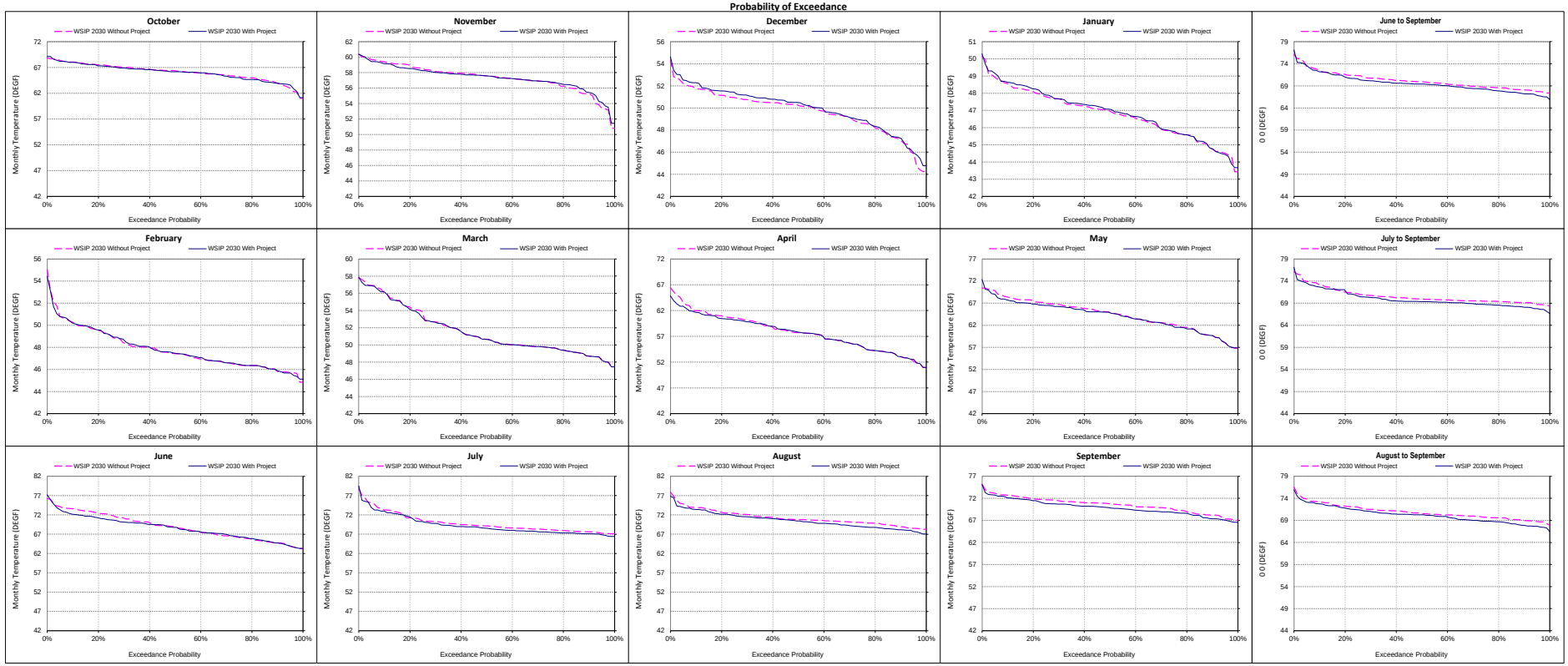


Table SQ10-1b

American River at Watt Avenue, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	68.8	69.1	0.3	0.4%
1.2%	68.7	69.1	0.4	0.6%
2.5%	68.7	68.6	-0.1	-0.1%
3.7%	68.6	68.4	-0.2	-0.4%
4.9%	68.4	68.2	-0.2	-0.3%
6.2%	68.2	68.2	0.0	0.0%
7.4%	68.1	68.2	0.0	0.1%
8.6%	68.1	68.0	-0.1	-0.1%
9.9%	68.1	68.0	-0.1	-0.1%
11.1%	68.0	68.0	0.0	0.0%
12.3%	67.9	67.9	0.0	-0.1%
13.6%	67.9	67.7	-0.2	-0.3%
14.8%	67.7	67.7	0.0	0.0%
16.0%	67.7	67.6	-0.1	-0.1%
17.3%	67.6	67.6	0.0	-0.1%
18.5%	67.6	67.6	0.0	-0.1%
19.8%	67.5	67.3	-0.2	-0.3%
21.0%	67.5	67.3	-0.2	-0.3%
22.2%	67.5	67.2	-0.2	-0.4%
23.5%	67.4	67.2	-0.2	-0.3%
24.7%	67.3	67.1	-0.2	-0.2%
25.9%	67.2	67.1	-0.1	-0.2%
27.2%	67.1	67.0	-0.1	-0.2%
28.4%	67.1	66.9	-0.2	-0.3%
29.6%	67.0	66.9	-0.2	-0.2%
30.9%	67.0	66.9	-0.2	-0.2%
32.1%	67.0	66.8	-0.3	-0.4%
33.3%	66.9	66.8	-0.2	-0.3%
34.6%	66.8	66.7	-0.1	-0.2%
35.8%	66.8	66.7	-0.1	-0.2%
37.0%	66.7	66.7	-0.1	-0.1%
38.3%	66.7	66.6	-0.1	-0.2%
39.5%	66.7	66.6	-0.2	-0.2%
40.7%	66.6	66.6	0.0	0.0%
42.0%	66.5	66.5	0.0	-0.1%
43.2%	66.5	66.4	-0.1	-0.1%
44.4%	66.5	66.4	-0.1	-0.2%
45.7%	66.4	66.3	-0.1	-0.1%
46.9%	66.4	66.3	-0.1	-0.2%
48.1%	66.4	66.2	-0.2	-0.3%
49.4%	66.4	66.2	-0.2	-0.3%
50.6%	66.3	66.2	-0.1	-0.2%
51.9%	66.3	66.2	-0.1	-0.2%
53.1%	66.2	66.1	-0.1	-0.2%
54.3%	66.1	66.1	-0.1	-0.1%
55.6%	66.0	66.1	0.0	0.1%
56.8%	66.0	66.1	0.1	0.1%
58.0%	66.0	66.1	0.1	0.1%
59.3%	65.9	66.0	0.0	0.1%
60.5%	65.9	66.0	0.0	0.0%
61.7%	65.8	65.9	0.2	0.3%
63.0%	65.8	65.8	0.1	0.1%
64.2%	65.7	65.8	0.1	0.1%
65.4%	65.7	65.7	0.1	0.1%
66.7%	65.6	65.6	0.0	-0.1%
67.9%	65.6	65.6	0.0	0.0%
69.1%	65.6	65.3	-0.3	-0.4%
70.4%	65.5	65.3	-0.2	-0.3%
71.6%	65.4	65.1	-0.3	-0.4%
72.8%	65.4	65.1	-0.3	-0.4%
74.1%	65.4	65.0	-0.3	-0.5%
75.3%	65.2	65.0	-0.2	-0.3%
76.5%	65.1	64.7	-0.3	-0.5%
77.8%	65.1	64.7	-0.4	-0.6%
79.0%	65.0	64.7	-0.3	-0.5%
80.2%	65.0	64.7	-0.3	-0.5%
81.5%	64.9	64.6	-0.3	-0.4%
82.7%	64.6	64.6	0.0	0.0%
84.0%	64.6	64.3	-0.3	-0.5%
85.2%	64.6	64.2	-0.3	-0.5%
86.4%	64.4	64.1	-0.3	-0.5%
87.7%	64.4	64.1	-0.2	-0.4%
88.9%	64.2	64.0	-0.2	-0.2%
90.1%	63.9	64.0	0.1	0.1%
91.4%	63.7	63.8	0.1	0.2%
92.6%	63.5	63.8	0.3	0.5%
93.8%	63.2	63.7	0.5	0.8%
95.1%	62.9	63.6	0.7	1.0%
96.3%	62.3	62.9	0.6	0.9%
97.5%	62.2	62.4	0.1	0.2%
98.8%	61.0	61.1	0.1	0.2%
100.0%	61.0	61.1	0.0	0.2%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.4	60.4	0.0	0.0%
1.2%	60.1	60.2	0.1	0.2%
2.5%	60.0	60.0	-0.1	-0.2%
3.7%	59.9	59.7	-0.2	-0.3%
4.9%	59.7	59.4	-0.3	-0.4%
6.2%	59.6	59.4	-0.2	-0.3%
7.4%	59.6	59.4	-0.2	-0.3%
8.6%	59.5	59.3	-0.2	-0.3%
9.9%	59.4	59.2	-0.2	-0.4%
11.1%	59.3	59.1	-0.2	-0.3%
12.3%	59.2	59.1	-0.1	-0.2%
13.6%	59.2	58.9	-0.2	-0.4%
14.8%	59.1	58.7	-0.4	-0.6%
16.0%	59.1	58.6	-0.5	-0.8%
17.3%	59.1	58.6	-0.5	-0.8%
18.5%	59.1	58.6	-0.5	-0.9%
19.8%	59.0	58.5	-0.5	-0.8%
21.0%	58.7	58.5	-0.2	-0.3%
22.2%	58.6	58.4	-0.2	-0.3%
23.5%	58.6	58.3	-0.2	-0.4%
24.7%	58.6	58.3	-0.3	-0.6%
25.9%	58.4	58.2	-0.1	-0.2%
27.2%	58.4	58.2	-0.2	-0.3%
28.4%	58.3	58.1	-0.2	-0.3%
29.6%	58.2	58.0	-0.1	-0.2%
30.9%	58.1	58.0	-0.1	-0.2%
32.1%	58.1	58.0	-0.1	-0.2%
33.3%	58.1	58.0	-0.1	-0.2%
34.6%	58.0	57.9	-0.1	-0.2%
35.8%	58.0	57.8	-0.2	-0.3%
37.0%	58.0	57.8	-0.1	-0.2%
38.3%	57.9	57.8	-0.1	-0.3%
39.5%	57.9	57.8	-0.1	-0.2%
40.7%	57.9	57.8	-0.1	-0.3%
42.0%	57.9	57.7	-0.2	-0.3%
43.2%	57.8	57.7	-0.1	-0.2%
44.4%	57.8	57.7	-0.1	-0.2%
45.7%	57.8	57.7	-0.1	-0.2%
46.9%	57.6	57.7	0.0	0.0%
48.1%	57.6	57.6	0.0	0.0%
49.4%	57.6	57.6	0.0	0.0%
50.6%	57.6	57.6	0.0	0.0%
51.9%	57.5	57.5	0.0	0.0%
53.1%	57.5	57.5	0.0	-0.1%
54.3%	57.4	57.3	-0.1	-0.2%
55.6%	57.4	57.3	-0.1	-0.1%
56.8%	57.3	57.3	0.0	-0.1%
58.0%	57.3	57.3	0.0	-0.1%
59.3%	57.3	57.2	0.0	-0.1%
60.5%	57.2	57.2	0.0	0.0%
61.7%	57.1	57.2	0.0	0.1%
63.0%	57.1	57.1	0.0	0.0%
64.2%	57.1	57.1	-0.1	-0.1%
65.4%	57.1	57.1	0.0	0.0%
66.7%	57.0	57.0	0.1	0.1%
67.9%	57.0	56.9	0.0	0.0%
69.1%	56.9	56.9	0.0	0.0%
70.4%	56.9	56.9	0.0	0.0%
71.6%	56.9	56.9	0.0	0.0%
72.8%	56.8	56.9	0.0	0.1%
74.1%	56.8	56.8	0.1	0.1%
75.3%	56.7	56.8	0.1	0.2%
76.5%	56.7	56.8	0.1	0.2%
77.8%	56.5	56.6	0.1	0.1%
79.0%	56.3	56.6	0.3	0.5%
80.2%	56.2	56.5	0.2	0.4%
81.5%	56.0	56.4	0.4	0.7%
82.7%	56.0	56.4	0.4	0.8%
84.0%	55.9	56.3	0.4	0.6%
85.2%	55.9	56.3	0.3	0.6%
86.4%	55.4	56.0	0.5	1.0%
87.7%	55.3	55.9	0.6	1.0%
88.9%	55.3	55.5	0.2	0.4%
90.1%	55.3	55.4	0.2	0.3%
91.4%	55.0	55.3	0.3	0.6%
92.6%	54.0	55.0	1.0	1.9%
93.8%	53.8	54.3	0.4	0.8%
95.1%	53.4	54.2	0.8	1.5%
96.3%	53.3	53.7	0.4	0.7%
97.5%	53.1	53.5	0.4	0.7%
98.8%	50.8	51.5	0.7	1.3%
100.0%	50.8	51.5	0.7	1.3%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.4	54.6	0.3	0.5%
1.2%	52.8	53.4	0.6	1.2%
2.5%	52.8	53.0	0.3	0.5%
3.7%	52.5	53.0	0.5	0.9%
4.9%	52.2	52.5	0.3	0.6%
6.2%	52.1	52.5	0.4	0.8%
7.4%	52.0	52.3	0.3	0.7%
8.6%	51.9	52.3	0.4	0.7%
9.9%	51.8	52.3	0.5	1.0%
11.1%	51.7	52.2	0.5	1.0%
12.3%	51.7	51.8	0.1	0.3%
13.6%	51.7	51.8	0.1	0.3%
14.8%	51.6	51.7	0.2	0.3%
16.0%	51.5	51.6	0.1	0.2%
17.3%	51.2	51.6	0.4	0.8%
18.5%	51.2	51.6	0.4	0.8%
19.8%	51.2	51.6	0.4	0.8%
21.0%	51.1	51.5	0.4	0.8%
22.2%	51.0	51.5	0.5	1.0%
23.5%	51.0	51.4	0.5	0.9%
24.7%	51.0	51.4	0.5	0.9%
25.9%	50.9	51.3	0.4	0.7%
27.2%	50.9	51.2	0.3	0.6%
28.4%	50.8	51.2	0.4	0.8%
29.6%	50.8	51.2	0.4	0.8%
30.9%	50.7	51.1	0.3	0.7%
32.1%	50.6	51.0	0.4	0.8%
33.3%	50.6	50.9	0.3	0.7%
34.6%	50.5	50.9	0.4	0.7%
35.8%	50.5	50.9	0.4	0.7%
37.0%	50.5	50.9	0.4	0.8%
38.3%	50.5	50.8	0.3	0.6%
39.5%	50.5	50.8	0.3	0.6%
40.7%	50.5	50.8	0.3	0.6%
42.0%	50.5	50.7	0.3	0.5%
43.2%	50.4	50.7	0.3	0.6%
44.4%	50.4	50.7	0.3	0.7%
45.7%	50.4	50.5	0.2	0.4%
46.9%	50.3	50.5	0.2	0.4%
48.1%	50.3	50.5	0.2	0.4%
49.4%	50.3	50.5	0.2	0.4%
50.6%	50.2	50.5	0.3	0.6%
51.9%	50.2	50.3	0.2	0.3%
53.1%	50.2	50.2	0.1	0.2%
54.3%	50.1	50.2	0.1	0.2%
55.6%	50.1	50.1	0.0	0.0%
56.8%	49.8	50.0	0.2	0.4%
58.0%	49.8	50.0	0.2	0.5%
59.3%	49.7	50.0	0.3	0.5%
60.5%	49.7	49.6	-0.1	-0.2%
61.7%	49.5	49.6	0.2	0.4%
63.0%	49.4	49.6	0.2	0.3%
64.2%	49.4	49.6	0.2	0.3%
65.4%	49.4	49.5	0.1	0.3%
66.7%	49.3	49.4	0.1	0.2%
67.9%	49.3	49.3	0.0	0.0%
69.1%	49.2	49.2	0.0	0.0%
70.4%	49.1	49.1	0.0	0.0%
71.6%	48.9	49.1	0.2	0.4%
72.8%	48.8	49.0	0.2	0.5%
74.1%	48.6	48.9	0.3	0.6%
75.3%	48.6	48.9	0.3	0.6%
76.5%	48.6	48.9	0.3	0.6%
77.8%	48.5	48.6	0.1	0.2%
79.0%	48.4	48.4	0.0	0.0%
80.2%	48.2	48.3	0.2	0.3%
81.5%	48.1	48.3	0.2	0.3%
82.7%	47.9	48.1	0.1	0.3%
84.0%	47.8	47.9	0.1	0.2%
85.2%	47.5	47.7	0.2	0.4%
86.4%	47.4	47.4	0.0	0.1%
87.7%	47.3	47.4	0.0	0.1%
88.9%	47.2	47.4	0.1	0.3%
90.1%	47.1	47.2	0.2	0.4%
91.4%	46.8	46.9	0.1	0.3%
92.6%	46.7	46.4	-0.3	-0.7%
93.8%	46.0	46.3	0.2	0.5%
95.1%	45.9	45.9	0.1	0.1%
96.3%	44.7	45.7	1.0	2.3%
97.5%	44.4	45.4	1.0	2.3%
98.8%	44.2	44.8	0.5	1.2%
100.0%	44.2	44.8	0.5	1.2%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	50.1	50.3	0.2	0.3%
1.2%	50.0	49.7	-0.3	-0.5%
2.5%	49.1	49.3	0.2	0.4%
3.7%	49.1	49.3	0.2	0.5%
4.9%	48.9	49.2	0.2	0.5%
6.2%	48.8	49.0	0.2	0.5%
7.4%	48.8	48.7	-0.1	-0.1%
8.6%	48.6	48.7	0.1	0.2%
9.9%	48.6	48.6	0.1	0.2%
11.1%	48.4	48.6	0.2	0.3%
12.3%	48.3	48.6	0.3	0.6%
13.6%	48.3	48.5	0.2	0.4%
14.8%	48.3	48.5	0.2	0.5%
16.0%	48.2	48.5	0.2	0.4%
17.3%	48.2	48.4	0.2	0.5%
18.5%	48.2	48.3	0.2	0.3%
19.8%	48.1	48.3	0.1	0.3%
21.0%	48.0	48.2	0.2	0.5%
22.2%	48.0	48.2	0.2	0.4%
23.5%	47.9	48.0	0.1	0.2%
24.7%	47.8	47.9	0.1	0.2%
25.9%	47.8	47.9	0.1	0.3%
27.2%	47.7	47.8	0.1	0.2%
28.4%	47.7	47.7	0.0	0.0%
29.6%	47.7	47.7	0.0	0.0%
30.9%	47.6	47.7	0.0	0.0%
32.1%	47.4	47.6	0.2	0.4%
33.3%	47.4	47.5	0.1	0.2%
34.6%	47.4	47.4	0.1	0.2%
35.8%	47.3	47.4	0.1	0.2%
37.0%	47.3	47.4	0.1	0.2%
38.3%	47.3	47.4	0.1	0.2%
39.5%	47.3	47.4	0.1	0.2%
40.7%	47.2	47.3	0.1	0.2%
42.0%	47.2	47.3	0.1	0.3%
43.2%	47.1	47.3	0.2	0.4%
44.4%	47.1	47.3	0.2	0.4%
45.7%	47.1	47.2	0.1	0.3%
46.9%	47.1	47.2	0.1	0.2%
48.1%	47.0	47.1	0.0	0.1%
49.4%	47.0	47.1	0.1	0.1%
50.6%	46.9	47.1	0.1	0.3%
51.9%	46.8	46.9	0.1	0.2%
53.1%	46.8	46.9	0.1	0.2%
54.3%	46.7	46.9	0.1	0.2%
55.6%	46.7	46.8	0.1	0.3%
56.8%	46.7	46.8	0.1	0.2%
58.0%	46.6	46.7	0.0	0.1%
59.3%	46.6	46.7	0.0	0.1%
60.5%	46.5	46.6	0.1	0.3%
61.7%	46.5	46.6	0.1	0.3%
63.0%	46.4	46.5	0.1	0.3%
64.2%	46.4	46.4	0.0	0.1%
65.4%	46.3	46.4	0.1	0.3%
66.7%	46.2	46.4	0.2	0.3%
67.9%	46.2	46.3	0.1	0.3%
69.1%	46.0	46.0	0.1	0.1%
70.4%	45.9	45.9	0.0	0.1%
71.6%	45.8	45.9	0.0	0.1%
72.8%	45.8	45.9	0.0	0.1%
74.1%	45.7	45.8	0.1	0.1%
75.3%	45.7	45.8	0.1	0.2%
76.5%	45.7	45.7	0.0	0.0%
77.8%	45.6	45.6	0.0	0.0%
79.0%	45.6	45.6	0.0	0.0%
80.2%	45.6	45.6	0.0	0.0%
81.5%	45.6	45.5	-0.1	-0.1%
82.7%	45.5	45.5	0.0	0.0%
84.0%	45.2	45.2	0.0	0.1%
85.2%	45.2	45.2	0.1	0.1%
86.4%	45.1	45.2	0.1	0.2%
87.7%	45.1	45.1	0.0	0.0%
88.9%	44.8	44.8	0.0	0.0%
90.1%	44.7	44.8	0.0	0.0%
91.4%	44.6	44.6	0.0	0.0%
92.6%	44.6	44.5	-0.1	-0.1%
93.8%	44.6	44.5	-0.1	-0.2%
95.1%	44.5	44.4	-0.1	-0.2%
96.3%	44.4	44.3	-0.1	-0.2%
97.5%	44.3	43.9	-0.4	-0.9%
98.8%	43.4	43.7	0.2	0.6%
100.0%	43.4	43.7	0.2	0.6%

Table SQ10-1b

American River at Watt Avenue, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.0	54.4	-0.6	-1.1%
1.2%	53.1	53.1	0.0	0.0%
2.5%	52.1	51.7	-0.5	-0.9%
3.7%	51.8	51.1	-0.7	-1.4%
4.9%	50.8	50.8	0.0	0.0%
6.2%	50.7	50.7	0.1	0.1%
7.4%	50.6	50.7	0.1	0.2%
8.6%	50.4	50.4	0.0	0.0%
9.9%	50.3	50.2	-0.1	-0.2%
11.1%	50.1	50.1	0.0	0.0%
12.3%	50.0	50.0	0.1	0.2%
13.6%	49.9	50.0	0.0	0.1%
14.8%	49.9	49.9	0.0	0.0%
16.0%	49.8	49.9	0.0	0.1%
17.3%	49.7	49.8	0.1	0.2%
18.5%	49.7	49.7	0.0	0.0%
19.8%	49.5	49.6	0.0	0.1%
21.0%	49.5	49.6	0.1	0.1%
22.2%	49.3	49.3	-0.1	-0.1%
23.5%	49.3	49.2	0.0	-0.1%
24.7%	49.1	49.1	0.0	0.0%
25.9%	48.8	48.9	0.1	0.1%
27.2%	48.8	48.9	0.1	0.2%
28.4%	48.8	48.8	0.0	0.1%
29.6%	48.4	48.7	0.3	0.6%
30.9%	48.3	48.5	0.1	0.3%
32.1%	48.2	48.3	0.1	0.2%
33.3%	48.1	48.3	0.2	0.4%
34.6%	48.1	48.2	0.1	0.3%
35.8%	48.1	48.1	0.0	0.1%
37.0%	48.0	48.1	0.1	0.1%
38.3%	48.0	48.1	0.1	0.1%
39.5%	48.0	48.1	0.1	0.1%
40.7%	47.9	47.9	0.0	-0.1%
42.0%	47.9	47.8	-0.2	-0.4%
43.2%	47.7	47.7	0.0	0.0%
44.4%	47.6	47.6	0.0	0.1%
45.7%	47.6	47.6	0.0	0.0%
46.9%	47.6	47.6	0.0	0.1%
48.1%	47.5	47.6	0.1	0.3%
49.4%	47.4	47.5	0.0	0.1%
50.6%	47.4	47.4	0.0	0.1%
51.9%	47.4	47.4	0.0	0.0%
53.1%	47.4	47.4	0.0	0.0%
54.3%	47.3	47.3	0.1	0.1%
55.6%	47.3	47.2	0.0	-0.1%
56.8%	47.1	47.2	0.1	0.3%
58.0%	47.1	47.2	0.1	0.2%
59.3%	47.0	47.1	0.1	0.2%
60.5%	46.9	47.1	0.2	0.4%
61.7%	46.9	46.9	0.0	0.0%
63.0%	46.8	46.8	0.0	0.0%
64.2%	46.8	46.8	0.0	0.1%
65.4%	46.8	46.8	0.0	0.0%
66.7%	46.7	46.8	0.0	0.1%
67.9%	46.7	46.8	0.0	0.1%
69.1%	46.6	46.6	0.0	0.0%
70.4%	46.6	46.6	0.0	0.0%
71.6%	46.6	46.6	0.0	0.0%
72.8%	46.5	46.6	0.1	0.2%
74.1%	46.4	46.5	0.0	0.1%
75.3%	46.4	46.5	0.1	0.2%
76.5%	46.4	46.4	0.0	0.0%
77.8%	46.4	46.4	0.0	0.0%
79.0%	46.4	46.4	0.0	0.0%
80.2%	46.4	46.4	0.0	0.0%
81.5%	46.4	46.4	0.0	0.0%
82.7%	46.3	46.3	0.0	0.0%
84.0%	46.2	46.2	0.0	0.0%
85.2%	46.2	46.2	0.0	0.0%
86.4%	46.1	46.1	0.0	0.0%
87.7%	46.1	46.1	0.0	0.0%
88.9%	46.1	46.0	0.0	0.0%
90.1%	45.8	45.9	0.1	0.1%
91.4%	45.8	45.8	0.0	0.0%
92.6%	45.8	45.7	-0.1	-0.2%
93.8%	45.8	45.7	-0.1	-0.2%
95.1%	45.7	45.7	0.0	-0.1%
96.3%	45.7	45.5	-0.2	-0.5%
97.5%	45.7	45.4	-0.3	-0.6%
98.8%	44.8	45.1	0.3	0.6%
100.0%	44.8	45.1	0.3	0.6%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.8	57.9	0.0	0.0%
1.2%	57.6	57.3	-0.3	-0.6%
2.5%	57.3	56.9	-0.4	-0.7%
3.7%	56.9	56.9	0.0	0.0%
4.9%	56.9	56.9	0.0	0.0%
6.2%	56.9	56.8	-0.1	-0.2%
7.4%	56.6	56.5	-0.2	-0.3%
8.6%	56.5	56.2	-0.3	-0.6%
9.9%	56.0	56.2	0.1	0.3%
11.1%	55.9	55.9	0.0	0.0%
12.3%	55.4	55.3	-0.2	-0.3%
13.6%	55.4	55.2	-0.2	-0.4%
14.8%	55.2	55.2	0.0	0.0%
16.0%	55.2	55.1	-0.1	-0.1%
17.3%	54.7	54.7	0.0	0.0%
18.5%	54.5	54.5	0.0	0.0%
19.8%	54.4	54.2	-0.2	-0.4%
21.0%	54.2	54.0	-0.2	-0.3%
22.2%	54.1	53.9	-0.2	-0.3%
23.5%	54.1	53.7	-0.4	-0.7%
24.7%	53.9	53.2	-0.7	-1.3%
25.9%	52.8	52.8	0.0	0.1%
27.2%	52.8	52.8	0.0	0.0%
28.4%	52.7	52.7	0.0	0.0%
29.6%	52.7	52.7	0.0	0.0%
30.9%	52.6	52.5	-0.1	-0.3%
32.1%	52.5	52.5	0.0	0.0%
33.3%	52.3	52.5	0.2	0.4%
34.6%	52.2	52.2	0.0	0.0%
35.8%	52.0	52.0	0.0	0.0%
37.0%	52.0	52.0	0.0	0.1%
38.3%	51.9	51.9	0.0	0.0%
39.5%	51.7	51.7	0.0	0.0%
40.7%	51.4	51.4	0.0	0.0%
42.0%	51.2	51.2	0.0	0.0%
43.2%	51.2	51.2	0.0	0.0%
44.4%	51.0	51.0	0.0	0.1%
45.7%	51.0	51.0	0.0	0.0%
46.9%	50.9	50.9	0.1	0.1%
48.1%	50.7	50.7	0.0	-0.1%
49.4%	50.7	50.7	0.0	-0.1%
50.6%	50.6	50.6	0.0	0.0%
51.9%	50.5	50.5	0.0	0.0%
53.1%	50.3	50.3	0.0	0.0%
54.3%	50.3	50.3	0.0	0.0%
55.6%	50.1	50.1	0.0	0.0%
56.8%	50.1	50.1	0.0	0.0%
58.0%	50.1	50.1	0.0	-0.1%
59.3%	50.0	50.0	0.0	0.0%
60.5%	50.0	50.0	0.0	0.0%
61.7%	50.0	50.0	0.0	0.0%
63.0%	50.0	50.0	0.0	-0.1%
64.2%	50.0	49.9	-0.1	-0.1%
65.4%	49.9	49.9	0.0	0.0%
66.7%	49.9	49.9	0.0	0.0%
67.9%	49.8	49.8	0.0	0.0%
69.1%	49.8	49.8	0.0	0.0%
70.4%	49.8	49.8	0.0	0.0%
71.6%	49.8	49.8	0.0	0.0%
72.8%	49.8	49.8	0.0	0.0%
74.1%	49.7	49.7	0.0	0.0%
75.3%	49.6	49.6	0.0	0.0%
76.5%	49.6	49.6	0.0	0.0%
77.8%	49.5	49.5	0.0	0.0%
79.0%	49.4	49.4	0.0	0.0%
80.2%	49.4	49.4	0.0	0.0%
81.5%	49.3	49.3	0.0	0.0%
82.7%	49.2	49.2	0.0	0.0%
84.0%	49.2	49.2	0.0	0.0%
85.2%	49.1	49.1	0.0	0.0%
86.4%	49.0	49.1	0.0	0.1%
87.7%	49.0	49.0	0.0	0.0%
88.9%	48.7	48.7	0.0	0.0%
90.1%	48.7	48.7	0.0	0.0%
91.4%	48.7	48.7	0.0	0.0%
92.6%	48.6	48.6	0.0	0.0%
93.8%	48.6	48.6	0.0	0.1%
95.1%	48.3	48.2	-0.1	-0.2%
96.3%	48.0	48.0	0.0	0.0%
97.5%	48.0	48.0	0.0	0.0%
98.8%	47.5	47.5	0.0	0.0%
100.0%	47.5	47.5	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.4	64.9	-1.6	-2.3%
1.2%	65.6	63.9	-1.7	-2.6%
2.5%	65.0	63.3	-1.7	-2.6%
3.7%	64.6	62.8	-1.8	-2.8%
4.9%	63.6	62.8	-0.8	-1.2%
6.2%	63.1	62.4	-0.7	-1.1%
7.4%	63.0	62.0	-1.0	-1.6%
8.6%	62.0	61.9	-0.1	-0.2%
9.9%	62.0	61.6	-0.3	-0.5%
11.1%	62.0	61.6	-0.4	-0.6%
12.3%	61.9	61.3	-0.6	-1.0%
13.6%	61.8	61.1	-0.7	-1.1%
14.8%	61.3	61.1	-0.2	-0.3%
16.0%	61.2	61.0	-0.2	-0.3%
17.3%	61.2	61.0	-0.2	-0.3%
18.5%	61.0	60.6	-0.5	-0.8%
19.8%	61.0	60.4	-0.5	-0.9%
21.0%	60.8	60.4	-0.4	-0.7%
22.2%	60.7	60.4	-0.3	-0.5%
23.5%	60.6	60.3	-0.3	-0.5%
24.7%	60.6	60.2	-0.4	-0.7%
25.9%	60.6	60.1	-0.4	-0.7%
27.2%	60.4	60.1	-0.3	-0.6%
28.4%	60.3	60.0	-0.3	-0.5%
29.6%	60.1	59.8	-0.3	-0.5%
30.9%	60.0	59.8	-0.2	-0.4%
32.1%	60.0	59.7	-0.3	-0.5%
33.3%	59.8	59.5	-0.3	-0.5%
34.6%	59.8	59.5	-0.3	-0.5%
35.8%	59.3	59.4	0.1	0.2%
37.0%	59.0	59.3	0.3	0.5%
38.3%	58.9	59.0	0.1	0.1%
39.5%	58.9	58.9	0.0	0.0%
40.7%	58.4	58.9	0.5	0.9%
42.0%	58.4	58.4	0.1	0.1%
43.2%	58.2	58.4	0.1	0.2%
44.4%	58.2	58.4	0.2	0.3%
45.7%	58.1	58.2	0.2	0.3%
46.9%	57.9	58.1	0.2	0.4%
48.1%	57.8	58.0	0.3	0.5%
49.4%	57.7	57.9	0.1	0.2%
50.6%	57.7	57.8	0.0	0.1%
51.9%	57.7	57.7	0.0	0.0%
53.1%	57.6	57.6	0.0	0.0%
54.3%	57.6	57.6	0.1	0.1%
55.6%	57.5	57.6	0.1	0.2%
56.8%	57.4	57.5	0.1	0.1%
58.0%	57.3	57.3	0.0	0.1%
59.3%	57.2	57.2	-0.1	-0.1%
60.5%	56.5	56.5	0.0	0.0%
61.7%	56.5	56.4	0.0	0.0%
63.0%	56.4	56.4	0.0	0.0%
64.2%	56.4	56.3	-0.1	-0.2%
65.4%	56.2	56.2	0.0	0.0%
66.7%	56.2	56.2	0.0	0.0%
67.9%	55.9	55.9	0.0	0.0%
69.1%	55.8	55.8	0.0	0.0%
70.4%	55.7	55.7	0.0	0.0%
71.6%	55.5	55.5	0.0	0.0%
72.8%	55.5	55.5	0.0	0.0%
74.1%	55.2	55.2	0.0	0.0%
75.3%	54.9	54.9	0.0	0.1%
76.5%	54.5	54.5	0.0	0.0%
77.8%	54.3	54.3	0.0	0.0%
79.0%	54.3	54.3	0.0	0.0%
80.2%	54.2	54.2	0.0	0.0%
81.5%	54.1	54.1	0.0	0.0%
82.7%	54.1	54.1	0.0	0.0%
84.0%	54.0	54.0	0.0	0.0%
85.2%	53.9	53.9	0.0	0.0%
86.4%	53.9	53.9	0.0	0.0%
87.7%	53.6	53.6	0.0	0.0%
88.9%	53.1	53.1	0.0	0.0%
90.1%	53.0	53.0	0.0	0.0%
91.4%	52.9	52.8	0.0	0.0%
92.6%	52.8	52.8	-0.1	-0.1%
93.8%	52.6	52.6	0.0	0.0%
95.1%	52.2	52.5	0.3	0.6%
96.3%	51.8	51.8	0.0	0.0%
97.5%	51.7	51.7	0.0	0.1%
98.8%	51.0	51.0	0.0	0.1%
100.0%	51.0	51.0	0.0	0.1%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	70.4	72.4	1.9	2.8%
1.2%	70.4	70.2	-0.3	-0.4%
2.5%	70.1	69.9	-0.2	-0.3%
3.7%	70.0	69.2	-0.8	-1.2%
4.9%	69.9	69.0	-0.9	-1.3%
6.2%	69.1	68.2	-0.9	-1.3%
7.4%	69.0	68.0	-1.0	-1.4%
8.6%	68.5	68.0	-0.6	-0.8%
9.9%	68.4	67.7	-0.7	-1.0%
11.1%	68.3	67.5	-0.8	-1.1%
12.3%	68.1	67.4	-0.6	-0.9%
13.6%	67.9	67.1	-0.8	-1.2%
14.8%	67.8	67.1	-0.7	-1.0%
16.0%	67.8	67.1	-0.7	-1.0%
17.3%	67.8	67.0	-0.7	-1.1%
18.5%	67.8	67.0	-0.8	-1.1%
19.8%	67.6	66.8	-0.8	-1.2%
21.0%	67.3	66.8	-0.5	-0.7%
22.2%	67.2	66.6	-0.6	-0.9%
23.5%	67.2	66.6	-0.6	-0.9%
24.7%	67.0	66.5	-0.5	-0.8%
25.9%	66.9	66.5	-0.4	-0.6%
27.2%	66.8	66.4	-0.4	-0.6%
28.4%	66.8	66.2	-0.6	-0.8%
29.6%	66.7	66.2	-0.5	-0.8%
30.9%	66.6	66.2	-0.4	-0.6%
32.1%	66.4	66.1	-0.3	-0.5%
33.3%	66.2	66.0	-0.2	-0.3%
34.6%	66.2	66.0	-0.2	-0.3%
35.8%	66.1	65.7	-0.4	-0.7%
37.0%	66.1	65.6	-0.5	-0.7%
38.3%	66.0	65.6	-0.4	-0.6%
39.5%	65.8	65.5	-0.3	-0.5%
40.7%	65.8	65.1	-0.7	-1.0%
42.0%	65.7	65.1	-0.7	-1.0%
43.2%	65.6	65.1	-0.6	-0.8%
44.4%	65.3	65.0	-0.3	-0.4%
45.7%	65.3	65.0	-0.3	-0.4%
46.9%	65.1	65.0	-0.1	-0.2%
48.1%	65.1	65.0	-0.1	-0.1%
49.4%	65.0	65.0	-0.1	-0.1%
50.6%	64.7	64.7	0.0	0.0%
51.9%	64.6	64.6	0.0	-0.1%
53.1%	64.5	64.5	0.0	0.0%
54.3%	64.4	64.1	-0.3	-0.5%
55.6%	64.2	64.0	-0.2	-0.3%
56.8%	64.0	63.9	-0.1	-0.2%
58.0%	63.7	63.7	0.0	0.0%
59.3%	63.4	63.4	0.0	0.0%
60.5%	63.4	63.4	0.0	0.0%
61.7%	63.3	63.4	0.1	0.1%
63.0%	63.1	63.2	0.0	0.1%
64.2%	62.8	63.1	0.3	0.4%
65.4%	62.7	62.8	0.1	0.2%
66.7%	62.7	62.7	0.0	0.0%
67.9%	62.7	62.7	0.0	0.0%
69.1%	62.6	62.6	0.0	0.0%
70.4%	62.6	62.5	-0.1	-0.1%
71.6%	62.5	62.2	-0.2	-0.4%
72.8%	62.3	62.1	-0.2	-0.4%
74.1%	62.2	62.0	-0.3	-0.4%
75.3%	62.1	61.5	-0.5	-0.9%
76.5%	62.0	61.5	-0.4	-0.7%
77.8%	61.5	61.5	0.0	0.0%
79.0%	61.5	61.4	-0.1	-0.2%
80.2%	61.5	61.2	-0.3	-0.6%
81.5%	61.4	61.2	-0.2	-0.4%
82.7%	61.2	61.1	0.0	-0.1%
84.0%	60.6	60.6	0.0	0.0%
85.2%	60.1	60.1	0.0	0.0%
86.4%	59.9	59.9	0.0	0.0%
87.7%	59.8	59.8	0.0	0.0%
88.9%	59.8	59.7	-0.1	-0.1%
90.1%	59.6	59.6	0.0	0.0%
91.4%	59.3	59.2	0.0	0.0%
92.6%	59.2	59.2	0.0	0.0%
93.8%	58.4	58.4	0.0	0.0%
95.1%	58.0	58.0	0.0	0.0%
96.3%	57.3	57.3	0.0	0.0%
97.5%	57.0	57.0	0.0	0.0%
98.8%	56.8	56.9	0.0	0.1%
100.0%	56.8	56.9	0.0	0.1%

Table SQ10-1b

American River at Watt Avenue, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	76.2	77.2	1.0	1.3%
1.2%	76.1	76.0	-0.1	-0.1%
2.5%	74.8	74.9	0.1	0.2%
3.7%	74.3	73.9	-0.5	-0.6%
4.9%	74.2	73.3	-0.9	-1.2%
6.2%	73.7	72.8	-0.9	-1.2%
7.4%	73.7	72.7	-1.0	-1.4%
8.6%	73.6	72.3	-1.3	-1.8%
9.9%	73.6	72.1	-1.5	-2.0%
11.1%	73.4	72.1	-1.3	-1.8%
12.3%	73.3	72.0	-1.3	-1.8%
13.6%	73.1	71.9	-1.2	-1.7%
14.8%	73.0	71.7	-1.3	-1.8%
16.0%	73.0	71.7	-1.3	-1.8%
17.3%	72.9	71.6	-1.3	-1.8%
18.5%	72.7	71.4	-1.3	-1.8%
19.8%	72.4	71.2	-1.2	-1.7%
21.0%	72.3	71.1	-1.3	-1.7%
22.2%	72.3	71.0	-1.3	-1.8%
23.5%	72.2	70.8	-1.4	-2.0%
24.7%	71.9	70.7	-1.2	-1.7%
25.9%	71.7	70.6	-1.1	-1.6%
27.2%	71.4	70.5	-0.9	-1.2%
28.4%	71.4	70.2	-1.1	-1.6%
29.6%	71.2	70.2	-1.1	-1.5%
30.9%	70.9	70.1	-0.8	-1.2%
32.1%	70.9	70.0	-0.9	-1.2%
33.3%	70.5	70.0	-0.5	-0.7%
34.6%	70.3	69.9	-0.5	-0.6%
35.8%	70.3	69.9	-0.4	-0.6%
37.0%	70.2	69.8	-0.4	-0.5%
38.3%	70.2	69.7	-0.4	-0.6%
39.5%	70.2	69.5	-0.6	-0.9%
40.7%	69.7	69.5	-0.1	-0.2%
42.0%	69.3	69.5	0.1	0.2%
43.2%	69.3	69.5	0.2	0.3%
44.4%	69.2	69.4	0.2	0.3%
45.7%	69.2	69.3	0.1	0.1%
46.9%	69.2	68.9	-0.3	-0.4%
48.1%	69.0	68.8	-0.2	-0.3%
49.4%	69.0	68.8	-0.2	-0.3%
50.6%	68.6	68.8	0.1	0.2%
51.9%	68.5	68.3	-0.2	-0.3%
53.1%	68.5	68.2	-0.2	-0.3%
54.3%	68.2	68.2	0.0	0.0%
55.6%	68.1	67.8	-0.3	-0.5%
56.8%	67.9	67.8	-0.1	-0.1%
58.0%	67.8	67.8	0.0	0.0%
59.3%	67.5	67.7	0.2	0.2%
60.5%	67.4	67.4	0.0	0.0%
61.7%	67.4	67.4	0.0	0.0%
63.0%	67.3	67.3	0.0	0.0%
64.2%	67.2	67.3	0.1	0.1%
65.4%	67.0	67.2	0.2	0.3%
66.7%	66.8	67.2	0.4	0.7%
67.9%	66.7	67.2	0.4	0.6%
69.1%	66.6	67.1	0.5	0.7%
70.4%	66.6	66.9	0.4	0.6%
71.6%	66.5	66.6	0.1	0.2%
72.8%	66.4	66.6	0.2	0.3%
74.1%	66.4	66.4	0.0	0.0%
75.3%	66.1	66.3	0.2	0.3%
76.5%	66.1	66.2	0.2	0.2%
77.8%	65.9	66.1	0.2	0.3%
79.0%	65.9	65.9	0.0	0.0%
80.2%	65.7	65.8	0.1	0.2%
81.5%	65.4	65.6	0.2	0.3%
82.7%	65.4	65.5	0.1	0.2%
84.0%	65.3	65.4	0.2	0.3%
85.2%	65.1	65.3	0.1	0.2%
86.4%	65.0	65.1	0.2	0.2%
87.7%	64.9	65.0	0.1	0.1%
88.9%	64.8	64.8	-0.1	-0.1%
90.1%	64.8	64.7	0.0	-0.1%
91.4%	64.7	64.6	-0.1	-0.2%
92.6%	64.6	64.4	-0.2	-0.3%
93.8%	64.2	64.1	0.0	0.0%
95.1%	63.8	63.9	0.1	0.2%
96.3%	63.7	63.7	0.0	0.0%
97.5%	63.5	63.5	0.0	0.0%
98.8%	63.3	63.3	0.0	0.0%
100.0%	63.3	63.3	0.0	0.0%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	78.8	79.5	0.7	0.9%
1.2%	77.1	75.8	-1.4	-1.8%
2.5%	76.4	75.5	-0.9	-1.2%
3.7%	75.2	75.3	0.1	0.1%
4.9%	75.2	73.9	-1.3	-1.7%
6.2%	74.7	73.3	-1.5	-2.0%
7.4%	73.9	73.3	-0.6	-0.8%
8.6%	73.7	73.0	-0.6	-0.9%
9.9%	73.3	73.0	-0.3	-0.4%
11.1%	73.2	72.6	-0.7	-0.9%
12.3%	73.2	72.6	-0.6	-0.8%
13.6%	72.8	72.4	-0.4	-0.6%
14.8%	72.8	72.3	-0.5	-0.6%
16.0%	72.5	72.1	-0.4	-0.6%
17.3%	72.1	72.0	-0.1	-0.1%
18.5%	71.3	71.7	0.4	0.6%
19.8%	71.2	71.6	0.3	0.4%
21.0%	71.2	71.0	-0.2	-0.3%
22.2%	71.2	70.5	-0.7	-1.0%
23.5%	70.9	70.3	-0.6	-0.9%
24.7%	70.5	70.3	-0.2	-0.4%
25.9%	70.4	70.1	-0.3	-0.5%
27.2%	70.4	70.0	-0.3	-0.4%
28.4%	70.3	69.8	-0.5	-0.7%
29.6%	70.3	69.8	-0.4	-0.6%
30.9%	70.2	69.7	-0.5	-0.7%
32.1%	70.1	69.4	-0.7	-1.0%
33.3%	69.9	69.3	-0.6	-0.8%
34.6%	69.9	69.3	-0.6	-0.9%
35.8%	69.7	69.3	-0.4	-0.6%
37.0%	69.7	69.1	-0.6	-0.8%
38.3%	69.6	69.0	-0.6	-0.8%
39.5%	69.5	69.0	-0.5	-0.8%
40.7%	69.5	69.0	-0.5	-0.8%
42.0%	69.5	68.9	-0.5	-0.8%
43.2%	69.4	68.9	-0.5	-0.7%
44.4%	69.4	68.9	-0.4	-0.6%
45.7%	69.3	68.9	-0.4	-0.5%
46.9%	69.2	68.7	-0.5	-0.7%
48.1%	69.2	68.6	-0.5	-0.8%
49.4%	69.1	68.6	-0.6	-0.9%
50.6%	69.1	68.5	-0.6	-0.9%
51.9%	69.0	68.3	-0.7	-1.0%
53.1%	69.0	68.3	-0.7	-1.1%
54.3%	68.9	68.2	-0.7	-1.0%
55.6%	68.8	68.2	-0.6	-0.9%
56.8%	68.7	68.0	-0.7	-1.0%
58.0%	68.6	68.0	-0.6	-0.9%
59.3%	68.6	68.0	-0.6	-0.9%
60.5%	68.6	68.0	-0.6	-0.9%
61.7%	68.6	67.9	-0.7	-1.0%
63.0%	68.6	67.9	-0.7	-1.0%
64.2%	68.5	67.9	-0.7	-1.0%
65.4%	68.4	67.8	-0.6	-0.9%
66.7%	68.4	67.8	-0.6	-0.9%
67.9%	68.3	67.8	-0.5	-0.8%
69.1%	68.3	67.8	-0.6	-0.8%
70.4%	68.3	67.6	-0.7	-1.0%
71.6%	68.3	67.6	-0.7	-1.0%
72.8%	68.2	67.6	-0.6	-0.9%
74.1%	68.2	67.5	-0.7	-1.0%
75.3%	68.1	67.5	-0.6	-0.9%
76.5%	68.1	67.5	-0.6	-0.9%
77.8%	68.0	67.4	-0.6	-0.8%
79.0%	68.0	67.3	-0.6	-0.9%
80.2%	67.9	67.3	-0.6	-0.9%
81.5%	67.9	67.3	-0.5	-0.8%
82.7%	67.8	67.3	-0.5	-0.8%
84.0%	67.7	67.3	-0.5	-0.7%
85.2%	67.7	67.2	-0.5	-0.8%
86.4%	67.7	67.2	-0.5	-0.7%
87.7%	67.6	67.1	-0.5	-0.8%
88.9%	67.6	67.1	-0.5	-0.8%
90.1%	67.6	67.1	-0.5	-0.8%
91.4%	67.6	67.1	-0.5	-0.7%
92.6%	67.5	67.1	-0.5	-0.7%
93.8%	67.4	67.0	-0.4	-0.5%
95.1%	67.2	66.8	-0.4	-0.6%
96.3%	67.2	66.7	-0.4	-0.7%
97.5%	67.2	66.5	-0.6	-0.9%
98.8%	67.1	66.4	-0.7	-1.0%
100.0%	67.1	66.4	-0.7	-1.0%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	77.9	76.8	-1.1	-1.4%
1.2%	76.8	76.4	-0.4	-0.5%
2.5%	75.7	74.3	-1.5	-1.9%
3.7%	75.0	74.1	-0.9	-1.2%
4.9%	74.9	74.0	-0.9	-1.2%
6.2%	74.6	73.8	-0.8	-1.1%
7.4%	74.0	73.7	-0.3	-0.4%
8.6%	74.0	73.5	-0.5	-0.6%
9.9%	73.9	73.4	-0.5	-0.7%
11.1%	73.9	73.4	-0.5	-0.7%
12.3%	73.9	73.3	-0.6	-0.8%
13.6%	73.7	73.2	-0.4	-0.6%
14.8%	73.6	72.9	-0.7	-1.0%
16.0%	73.2	72.6	-0.6	-0.8%
17.3%	73.2	72.4	-0.9	-1.2%
18.5%	72.8	72.3	-0.5	-0.6%
19.8%	72.7	72.1	-0.6	-0.8%
21.0%	72.5	72.1	-0.4	-0.5%
22.2%	72.5	72.1	-0.3	-0.5%
23.5%	72.5	72.0	-0.4	-0.6%
24.7%	72.4	71.9	-0.5	-0.8%
25.9%	72.3	71.6	-0.7	-1.0%
27.2%	72.2	71.6	-0.5	-0.7%
28.4%	72.1	71.5	-0.6	-0.8%
29.6%	72.1	71.5	-0.6	-0.8%
30.9%	72.0	71.5	-0.6	-0.8%
32.1%	71.9	71.4	-0.5	-0.7%
33.3%	71.6	71.2	-0.4	-0.5%
34.6%	71.6	71.2	-0.4	-0.5%
35.8%	71.5	71.2	-0.4	-0.5%
37.0%	71.4	71.2	-0.3	-0.4%
38.3%	71.4	71.2	-0.2	-0.3%
39.5%	71.4	71.0	-0.4	-0.5%
40.7%	71.4	71.0	-0.4	-0.5%
42.0%	71.1	70.9	-0.2	-0.3%
43.2%	71.0	70.8	-0.2	-0.3%
44.4%	70.9	70.8	-0.2	-0.2%
45.7%	70.9	70.7	-0.2	-0.3%
46.9%	70.9	70.7	-0.2	-0.3%
48.1%	70.8	70.6	-0.3	-0.4%
49.4%	70.8	70.4	-0.4	-0.5%
50.6%	70.8	70.4	-0.4	-0.5%
51.9%	70.8	70.2	-0.5	-0.8%
53.1%	70.7	70.2	-0.5	-0.8%
54.3%	70.7	70.1	-0.6	-0.8%
55.6%	70.6	70.1	-0.6	-0.8%
56.8%	70.6	69.9	-0.7	-1.0%
58.0%	70.6	69.8	-0.8	-1.1%
59.3%	70.6	69.8	-0.8	-1.1%
60.5%	70.5	69.8	-0.7	-1.0%
61.7%	70.4	69.8	-0.7	-1.0%
63.0%	70.4	69.7	-0.8	-1.1%
64.2%	70.4	69.7	-0.7	-1.0%
65.4%	70.3	69.6	-0.7	-1.0%
66.7%	70.3	69.4	-0.9	-1.3%
67.9%	70.2	69.4	-0.9	-1.3%
69.1%	70.2	69.3	-0.9	-1.3%
70.4%	70.1	69.2	-0.9	-1.3%
71.6%	70.1	69.1	-1.0	-1.5%
72.8%	70.1	69.1	-1.0	-1.5%
74.1%	70.1	69.0	-1.1	-1.5%
75.3%	70.0	68.9	-1.1	-1.6%
76.5%	69.9	68.9	-1.1	-1.5%
77.8%	69.9	68.8	-1.1	-1.6%
79.0%	69.9	68.8	-1.1	-1.6%
80.2%	69.8	68.7	-1.1	-1.5%
81.5%	69.8	68.6	-1.2	-1.7%
82.7%	69.6	68.5	-1.0	-1.5%
84.0%	69.5	68.4	-1.1	-1.5%
85.2%	69.4	68.4	-1.0	-1.5%
86.4%	69.3	68.3	-1.0	-1.4%
87.7%	69.2	68.3	-0.9	-1.3%
88.9%	69.0	68.2	-0.8	-1.2%
90.1%	68.9	68.2	-0.7	-1.1%
91.4%	68.9	68.1	-0.8	-1.2%
92.6%	68.6	68.0	-0.6	-0.9%
93.8%	68.6	68.0	-0.6	-0.9%
95.1%	68.5	67.6	-0.9	-1.3%
96.3%	68.5	67.6	-0.9	-1.3%
97.5%	68.4	67.3	-1.1	-1.6%
98.8%	68.3	67.1	-1.2	-1.8%
100.0%	68.3	67.1	-1.2	-1.8%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	75.2	75.1	-0.1	-0.2%
1.2%	74.0	73.3	-0.7	-0.9%
2.5%	73.4	72.9	-0.5	-0.7%
3.7%	73.3	72.8	-0.5	-0.7%
4.9%	73.2	72.7	-0.4	-0.6%
6.2%	72.9	72.5	-0.4	-0.5%
7.4%	72.8	72.5	-0.3	-0.4%
8.6%	72.8	72.4	-0.4	-0.5%
9.9%	72.7	72.1	-0.6	-0.9%
11.1%	72.7	72.1	-0.7	-0.9%
12.3%	72.5	72.0	-0.6	-0.8%
13.6%	72.5	71.9	-0.5	-0.7%
14.8%	72.3	71.8	-0.4	-0.6%
16.0%	72.3	71.8	-0.5	-0.7%
17.3%	72.2	71.7	-0.5	-0.6%
18.5%	72.0	71.7	-0.3	-0.5%
19.8%	72.0	71.5	-0.5	-0.7%
21.0%	71.8	71.5	-0.3	-0.5%
22.2%	71.8	71.3	-0.5	-0.7%
23.5%	71.7	71.0	-0.8	-1.1%
24.7%	71.7	70.8	-0.8	-1.2%
25.9%	71.6	70.8	-0.9	-1.2%
27.2%	71.6	70.8	-0.9	-1.2%
28.4%	71.6	70.7	-0.8	-1.1%
29.6%	71.5	70.7	-0.8	-1.1%
30.9%	71.3	70.7	-0.7	-0.9%
32.1%	71.3	70.7	-0.6	-0.9%
33.3%	71.2	70.6	-0.6	-0.9%
34.6%	71.2	70.6	-0.7	-0.9%
35.8%	71.2	70.4	-0.8	-1.2%
37.0%	71.1	70.3	-0.8	-1.1%
38.3%	71.1	70.3	-0.8	-1.1%
39.5%	71.0	70.2	-0.8	-1.2%
40.7%	71.0	70.2	-0.8	-1.1%
42.0%	71.0	70.2	-0.8	-1.1%
43.2%	71.0	70.2	-0.8	-1.1%
44.4%	71.0	70.1	-0.8	-1.2%
45.7%	70.9	70.1	-0.9	-1.2%
46.9%	70.9	70.0	-0.9	-1.3%
48.1%	70.9	70.0	-0.9	-1.3%
49.4%	70.8	69.9	-0.9	-1.3%
50.6%	70.7	69.8	-1.0	-1.3%
51.9%	70.7	69.7	-0.9	-1.3%
53.1%	70.6	69.7	-0.9	-1.2%
54.3%	70.5	69.7	-0.9	-1.3%
55.6%	70.5	69.6	-0.9	-1.3%
56.8%	70.5	69.5	-1.0	-1.4%
58.0%	70.5	69.5	-1.0	-1.4%
59.3%	70.2	69.4	-0.8	-1.1%
60.5%	70.1	69.3	-0.8	-1.1%
61.7%	70.1	69.2	-0.8	-1.2%
63.0%	70.1	69.2	-0.9	-1.2%
64.2%	70.0	69.1	-0.9	-1.3%
65.4%	70.0	69.1	-0.9	-1.3%
66.7%	70.0	69.1	-0.9	-1.3%
67.9%	70.0	69.1	-0.9	-1.3%
69.1%	69.9	69.0	-0.9	-1.3%
70.4%	69.9	68.9	-1.0	-1.4%
71.6%	69.8	68.9	-0.9	-1.3%
72.8%	69.8	68.9	-0.9	-1.3%
74.1%	69.7	68.9	-0.8	-1.2%
75.3%	69.4	68.8	-0.6	-0.9%
76.5%	69.3	68.7	-0.7	-1.0%
77.8%	69.3	68.7	-0.6	-0.9%
79.0%	69.2	68.7	-0.5	-0.7%
80.2%	68.9	68.6	-0.3	-0.5%
81.5%	68.7	68.3	-0.4	-0.5%
82.7%	68.7	68.2	-0.5	-0.7%
84.0%	68.4	68.2	-0.3	-0.4%
85.2%	68.4	68.1	-0.3	-0.4%
86.4%	68.4	67.6	-0.8	-1.1%
87.7%	68.3	67.6	-0.7	-1.0%
88.9%	68.2	67.4	-0.8	-1.2%
90.1%	68.2	67.4	-0.8	-1.2%
91.4%	68.2	67.3	-0.9	-1.3%
92.6%	68.1	67.3	-0.8	-1.2%
93.8%	67.7	67.2	-0.5	-0.8%
95.1%	67.3	67.1	-0.3	-0.4%
96.3%	67.3	66.9	-0.4	-0.6%
97.5%	67.3	66.7	-0.6	-0.9%
98.8%	67.0	66.6	-0.5	-0.7%
100.0%	67.0	66.6	-0.5	-0.7%

Table SQ10-1b

American River at Watt Avenue, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	76.1	77.1	1.0	1.3%
1.2%	75.1	74.3	-0.8	-1.1%
2.5%	75.1	74.3	-0.8	-1.1%
3.7%	74.6	74.1	-0.5	-0.7%
4.9%	73.4	73.6	0.2	0.3%
6.2%	73.3	73.0	-0.3	-0.4%
7.4%	73.0	72.6	-0.4	-0.6%
8.6%	72.8	72.5	-0.3	-0.4%
9.9%	72.6	72.2	-0.4	-0.5%
11.1%	72.2	72.2	0.0	0.0%
12.3%	72.0	72.1	0.1	0.1%
13.6%	72.0	71.9	-0.1	-0.2%
14.8%	72.0	71.6	-0.4	-0.6%
16.0%	72.0	71.5	-0.5	-0.7%
17.3%	71.7	71.5	-0.2	-0.3%
18.5%	71.6	71.4	-0.2	-0.3%
19.8%	71.6	71.0	-0.6	-0.8%
21.0%	71.4	70.8	-0.6	-0.8%
22.2%	71.4	70.7	-0.7	-0.9%
23.5%	71.4	70.7	-0.7	-1.0%
24.7%	71.3	70.6	-0.7	-1.0%
25.9%	71.3	70.3	-1.0	-1.4%
27.2%	71.0	70.2	-0.7	-1.0%
28.4%	70.8	70.2	-0.6	-0.9%
29.6%	70.7	70.1	-0.6	-0.9%
30.9%	70.7	70.1	-0.6	-0.9%
32.1%	70.7	70.0	-0.7	-1.0%
33.3%	70.7	69.9	-0.7	-1.0%
34.6%	70.5	69.8	-0.7	-1.0%
35.8%	70.5	69.8	-0.7	-1.0%
37.0%	70.4	69.8	-0.6	-0.9%
38.3%	70.4	69.6	-0.8	-1.1%
39.5%	70.2	69.6	-0.6	-0.9%
40.7%	70.2	69.6	-0.6	-0.9%
42.0%	70.2	69.6	-0.6	-0.9%
43.2%	70.2	69.6	-0.6	-0.8%
44.4%	70.0	69.6	-0.5	-0.7%
45.7%	70.0	69.5	-0.5	-0.7%
46.9%	70.0	69.4	-0.6	-0.8%
48.1%	70.0	69.4	-0.5	-0.8%
49.4%	69.9	69.4	-0.5	-0.7%
50.6%	69.9	69.4	-0.5	-0.7%
51.9%	69.8	69.3	-0.5	-0.7%
53.1%	69.7	69.3	-0.4	-0.6%
54.3%	69.7	69.3	-0.4	-0.6%
55.6%	69.7	69.3	-0.4	-0.6%
56.8%	69.6	69.2	-0.4	-0.6%
58.0%	69.6	69.1	-0.5	-0.7%
59.3%	69.5	69.1	-0.4	-0.6%
60.5%	69.3	69.0	-0.3	-0.4%
61.7%	69.3	68.9	-0.4	-0.6%
63.0%	69.2	68.8	-0.4	-0.6%
64.2%	69.2	68.8	-0.4	-0.6%
65.4%	69.2	68.7	-0.4	-0.6%
66.7%	69.1	68.6	-0.6	-0.8%
67.9%	69.1	68.5	-0.6	-0.9%
69.1%	68.9	68.4	-0.5	-0.7%
70.4%	68.9	68.4	-0.5	-0.7%
71.6%	68.8	68.4	-0.5	-0.7%
72.8%	68.8	68.4	-0.4	-0.6%
74.1%	68.7	68.3	-0.4	-0.6%
75.3%	68.7	68.3	-0.4	-0.6%
76.5%	68.7	68.2	-0.5	-0.7%
77.8%	68.7	68.0	-0.7	-1.0%
79.0%	68.6	67.9	-0.7	-1.0%
80.2%	68.6	67.9	-0.7	-1.1%
81.5%	68.6	67.8	-0.8	-1.1%
82.7%	68.5	67.7	-0.9	-1.3%
84.0%	68.4	67.6	-0.7	-1.1%
85.2%	68.3	67.6	-0.7	-1.0%
86.4%	68.2	67.6	-0.6	-0.9%
87.7%	68.2	67.4	-0.7	-1.1%
88.9%	68.2	67.3	-0.8	-1.2%
90.1%	68.1	67.2	-0.9	-1.3%
91.4%	68.0	67.2	-0.9	-1.3%
92.6%	68.0	67.2	-0.8	-1.2%
93.8%	67.9	67.1	-0.8	-1.1%
95.1%	67.7	66.8	-0.9	-1.3%
96.3%	67.7	66.7	-1.0	-1.4%
97.5%	67.6	66.5	-1.1	-1.6%
98.8%	67.4	66.5	-0.9	-1.3%
100.0%	67.4	65.9	-1.4	-2.1%

July to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	76.1	77.1	1.0	1.3%
1.2%	75.6	74.3	-1.3	-1.7%
2.5%	75.4	74.1	-1.3	-1.8%
3.7%	74.1	73.8	-0.3	-0.4%
4.9%	73.9	73.5	-0.4	-0.5%
6.2%	73.8	73.1	-0.7	-0.9%
7.4%	73.7	73.0	-0.6	-0.8%
8.6%	73.6	72.8	-0.8	-1.1%
9.9%	73.2	72.6	-0.5	-0.7%
11.1%	73.1	72.5	-0.5	-0.7%
12.3%	72.7	72.2	-0.5	-0.6%
13.6%	72.6	72.2	-0.4	-0.6%
14.8%	72.6	72.2	-0.4	-0.6%
16.0%	72.1	72.1	0.1	0.1%
17.3%	71.9	72.1	0.2	0.2%
18.5%	71.7	72.1	0.3	0.5%
19.8%	71.5	72.0	0.5	0.7%
21.0%	71.4	71.1	-0.3	-0.4%
22.2%	71.4	71.1	-0.3	-0.4%
23.5%	71.3	71.0	-0.3	-0.4%
24.7%	71.1	70.7	-0.5	-0.7%
25.9%	70.9	70.5	-0.5	-0.7%
27.2%	70.9	70.4	-0.5	-0.7%
28.4%	70.8	70.4	-0.4	-0.6%
29.6%	70.8	70.3	-0.4	-0.6%
30.9%	70.7	70.3	-0.4	-0.6%
32.1%	70.6	70.3	-0.4	-0.5%
33.3%	70.5	70.1	-0.4	-0.6%
34.6%	70.5	69.9	-0.6	-0.8%
35.8%	70.5	69.9	-0.6	-0.9%
37.0%	70.4	69.7	-0.8	-1.1%
38.3%	70.4	69.5	-0.9	-1.2%
39.5%	70.3	69.5	-0.7	-1.1%
40.7%	70.2	69.5	-0.8	-1.1%
42.0%	70.2	69.5	-0.8	-1.1%
43.2%	70.2	69.4	-0.8	-1.1%
44.4%	70.1	69.4	-0.7	-1.0%
45.7%	70.0	69.4	-0.6	-0.9%
46.9%	70.0	69.4	-0.6	-0.8%
48.1%	70.0	69.4	-0.6	-0.9%
49.4%	70.0	69.3	-0.6	-0.9%
50.6%	69.9	69.3	-0.6	-0.8%
51.9%	69.9	69.3	-0.6	-0.8%
53.1%	69.9	69.3	-0.6	-0.8%
54.3%	69.9	69.3	-0.6	-0.8%
55.6%	69.8	69.3	-0.5	-0.8%
56.8%	69.8	69.2	-0.6	-0.8%
58.0%	69.8	69.2	-0.6	-0.8%
59.3%	69.7	69.2	-0.6	-0.8%
60.5%	69.7	69.1	-0.6	-0.8%
61.7%	69.7	69.1	-0.5	-0.8%
63.0%	69.6	69.1	-0.5	-0.7%
64.2%	69.6	69.1	-0.5	-0.7%
65.4%	69.6	69.1	-0.5	-0.7%
66.7%	69.6	69.0	-0.5	-0.8%
67.9%	69.5	68.9	-0.6	-0.9%
69.1%	69.5	68.9	-0.6	-0.9%
70.4%	69.5	68.9	-0.7	-1.0%
71.6%	69.5	68.8	-0.8	-1.1%
72.8%	69.5	68.7	-0.8	-1.1%
74.1%	69.5	68.7	-0.7	-1.1%
75.3%	69.4	68.7	-0.8	-1.1%
76.5%	69.4	68.6	-0.8	-1.1%
77.8%	69.4	68.6	-0.8	-1.2%
79.0%	69.4	68.6	-0.9	-1.2%
80.2%	69.4	68.5	-0.8	-1.2%
81.5%	69.4	68.4	-0.9	-1.3%
82.7%	69.3	68.4	-0.9	-1.3%
84.0%	69.3	68.4	-0.9	-1.3%
85.2%	69.3	68.3	-0.9	-1.3%
86.4%	69.2	68.2	-1.0	-1.4%
87.7%	69.1	68.2	-0.9	-1.3%
88.9%	69.1	68.2	-1.0	-1.4%
90.1%	69.1	68.0	-1.1	-1.6%
91.4%	69.1	68.0	-1.1	-1.6%
92.6%	69.1	68.0	-1.1	-1.6%
93.8%	68.7	67.8	-1.0	-1.4%
95.1%	68.7	67.8	-0.9	-1.4%
96.3%	68.7	67.6	-1.1	-1.6%
97.5%	68.7	67.6	-1.1	-1.6%
98.8%	68.6	67.2	-1.4	-2.1%
100.0%	68.3	66.7	-1.6	-2.4%

August to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	76.6	75.9	-0.6	-0.8%
1.2%	75.1	74.5	-0.6	-0.8%
2.5%	74.6	73.8	-0.8	-1.0%
3.7%	74.0	73.4	-0.6	-0.8%
4.9%	73.9	73.1	-0.8	-1.0%
6.2%	73.4	73.1	-0.3	-0.4%
7.4%	73.3	73.0	-0.3	-0.4%
8.6%	73.3	72.8	-0.4	-0.6%
9.9%	73.1	72.7	-0.4	-0.5%
11.1%	73.1	72.7	-0.4	-0.6%
12.3%	73.0	72.4	-0.6	-0.8%
13.6%	73.0	72.3	-0.6	-0.9%
14.8%	72.5	72.3	-0.2	-0.3%
16.0%	72.4	72.3	-0.1	-0.2%
17.3%	72.3	72.1	-0.2	-0.3%
18.5%	72.3	71.9	-0.4	-0.5%
19.8%	72.2	71.8	-0.4	-0.6%
21.0%	72.1	71.7	-0.5	-0.7%
22.2%	72.1	71.5	-0.6	-0.8%
23.5%	72.1	71.5	-0.6	-0.8%
24.7%	72.0	71.4	-0.6	-0.9%
25.9%	71.8	71.3	-0.5	-0.7%
27.2%	71.7	71.2	-0.5	-0.7%
28.4%	71.5	71.1	-0.4	-0.6%
29.6%	71.5	71.0	-0.5	-0.6%
30.9%	71.5	70.9	-0.6	-0.8%
32.1%	71.3	70.9	-0.5	-0.6%
33.3%	71.3	70.7	-0.6	-0.8%
34.6%	71.2	70.6	-0.6	-0.8%
35.8%	71.2	70.6	-0.6	-0.8%
37.0%	71.2	70.6	-0.6	-0.8%
38.3%	71.2	70.5	-0.7	-1.0%
39.5%	71.2	70.4	-0.7	-1.1%
40.7%	71.1	70.4	-0.7	-1.0%
42.0%	71.1	70.4	-0.7	-0.9%
43.2%	71.0	70.4	-0.6	-0.8%
44.4%	70.9	70.4	-0.5	-0.7%
45.7%	70.8	70.3	-0.4	-0.6%
46.9%	70.7	70.3	-0.4	-0.6%
48.1%	70.7	70.3	-0.4	-0.6%
49.4%	70.7	70.2	-0.4	-0.6%
50.6%	70.5	70.2	-0.3	-0.4%
51.9%	70.5	70.2	-0.3	-0.5%
53.1%	70.4	70.1	-0.3	-0.4%
54.3%	70.4	70.1	-0.3	-0.4%
55.6%	70.4	69.9	-0.4	-0.6%
56.8%	70.3	69.9	-0.4	-0.6%
58.0%	70.3	69.9	-0.4	-0.5%
59.3%	70.2	69.9	-0.4	-0.5%
60.5%	70.2	69.6	-0.6	-0.8%
61.7%	70.2	69.6	-0.7	-0.9%
63.0%	70.2	69.5	-0.7	-0.9%
64.2%	70.1	69.3	-0.9	-1.3%
65.4%	70.1	69.2	-0.9	-1.3%
66.7%	70.1	69.1	-0.9	-1.3%
67.9%	70.0	69.1	-0.9	-1.3%
69.1%	70.0	69.1	-0.9	-1.3%
70.4%	70.0	69.0	-1.0	-1.4%
71.6%	69.9	69.0	-0.9	-1.3%
72.8%	69.8	68.9	-0.9	-1.4%
74.1%	69.7	68.8	-0.9	-1.3%
75.3%	69.7	68.8	-0.8	-1.2%
76.5%	69.6	68.8	-0.8	-1.1%
77.8%	69.6	68.8	-0.9	-1.2%
79.0%	69.6	68.7	-0.9	-1.3%
80.2%	69.6	68.7	-0.9	-1.3%
81.5%	69.6	68.6	-0.9	-1.3%
82.7%	69.6	68.5	-1.1	-1.5%
84.0%	69.3	68.4	-0.9	-1.3%
85.2%	69.3	68.2	-1.0	-1.5%
86.4%	69.2	68.2	-1.0	-1.4%
87.7%	69.2	68.0	-1.1	-1.6%
88.9%	69.1	67.9	-1.2	-1.7%
90.1%	68.9	67.8	-1.1	-1.6%
91.4%	68.9	67.7	-1.2	-1.8%
92.6%	68.9	67.7	-1.2	-1.7%
93.8%	68.9	67.7	-1.2	-1.7%
95.1%	68.7	67.6	-1.1	-1.6%
96.3%	68.7	67.5	-1.2	-1.7%
97.5%	68.7	67.4	-1.2	-1.8%
98.8%	68.3	67.3	-1.0	-1.5%
100.0%	67.8	66.5	-1.4	-2.0%

Figure SQ11-1b
American River at the Mouth, Monthly Temperature
Probability of Exceedance

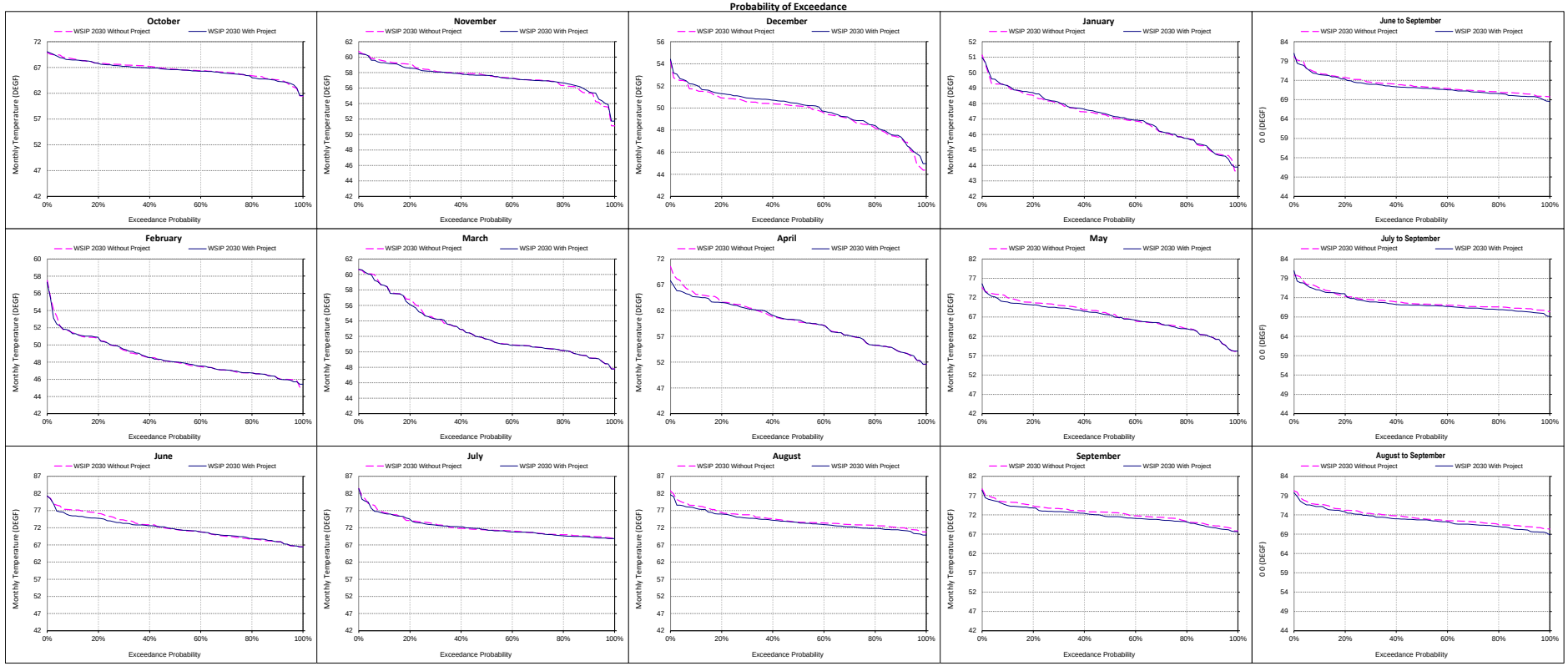


Table SQ11-1b

American River at the Mouth, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	69.9	70.1	0.2	0.3%
1.2%	69.6	69.8	0.2	0.3%
2.5%	69.5	69.6	0.1	0.1%
3.7%	69.5	69.2	-0.2	-0.3%
4.9%	69.4	68.9	-0.5	-0.7%
6.2%	69.0	68.8	-0.2	-0.3%
7.4%	68.9	68.6	-0.4	-0.5%
8.6%	68.8	68.5	-0.3	-0.4%
9.9%	68.7	68.5	-0.2	-0.3%
11.1%	68.6	68.4	-0.1	-0.2%
12.3%	68.4	68.4	0.0	0.0%
13.6%	68.3	68.3	-0.1	-0.1%
14.8%	68.3	68.3	0.0	0.0%
16.0%	68.1	68.3	0.1	0.2%
17.3%	68.1	68.1	0.1	0.1%
18.5%	67.9	67.9	0.0	0.0%
19.8%	67.8	67.8	0.0	-0.1%
21.0%	67.8	67.6	-0.2	-0.3%
22.2%	67.8	67.6	-0.2	-0.3%
23.5%	67.7	67.5	-0.1	-0.2%
24.7%	67.7	67.5	-0.2	-0.2%
25.9%	67.6	67.4	-0.2	-0.4%
27.2%	67.6	67.4	-0.2	-0.4%
28.4%	67.6	67.3	-0.3	-0.4%
29.6%	67.5	67.2	-0.3	-0.4%
30.9%	67.5	67.2	-0.2	-0.4%
32.1%	67.5	67.1	-0.3	-0.5%
33.3%	67.4	67.0	-0.4	-0.6%
34.6%	67.4	67.0	-0.4	-0.6%
35.8%	67.4	67.0	-0.4	-0.5%
37.0%	67.3	67.0	-0.4	-0.6%
38.3%	67.3	66.9	-0.3	-0.5%
39.5%	67.2	66.9	-0.3	-0.5%
40.7%	67.2	66.9	-0.3	-0.4%
42.0%	67.1	66.9	-0.2	-0.3%
43.2%	66.9	66.9	-0.1	-0.1%
44.4%	66.9	66.7	-0.2	-0.3%
45.7%	66.8	66.7	-0.2	-0.2%
46.9%	66.7	66.7	-0.1	-0.1%
48.1%	66.7	66.6	-0.1	-0.2%
49.4%	66.7	66.6	-0.1	-0.1%
50.6%	66.6	66.6	0.0	-0.1%
51.9%	66.6	66.6	0.0	0.0%
53.1%	66.5	66.5	-0.1	-0.1%
54.3%	66.5	66.5	0.0	0.0%
55.6%	66.5	66.4	0.0	-0.1%
56.8%	66.4	66.3	-0.1	-0.2%
58.0%	66.4	66.3	-0.1	-0.1%
59.3%	66.4	66.3	-0.1	-0.2%
60.5%	66.4	66.3	-0.1	-0.1%
61.7%	66.3	66.3	-0.1	-0.1%
63.0%	66.3	66.2	-0.1	-0.1%
64.2%	66.3	66.2	-0.1	-0.1%
65.4%	66.2	66.1	-0.1	-0.2%
66.7%	66.1	66.1	0.0	-0.1%
67.9%	66.1	66.0	-0.2	-0.2%
69.1%	66.1	65.9	-0.2	-0.3%
70.4%	66.0	65.9	-0.1	-0.2%
71.6%	66.0	65.8	-0.2	-0.3%
72.8%	66.0	65.8	-0.2	-0.3%
74.1%	65.9	65.7	-0.2	-0.3%
75.3%	65.7	65.7	0.0	0.0%
76.5%	65.6	65.6	0.1	0.1%
77.8%	65.5	65.4	-0.1	-0.2%
79.0%	65.5	65.4	-0.1	-0.1%
80.2%	65.4	65.0	-0.4	-0.6%
81.5%	65.3	64.9	-0.3	-0.5%
82.7%	65.3	64.8	-0.5	-0.8%
84.0%	65.2	64.8	-0.5	-0.7%
85.2%	64.9	64.8	-0.1	-0.2%
86.4%	64.8	64.7	-0.1	-0.1%
87.7%	64.8	64.6	-0.1	-0.2%
88.9%	64.6	64.6	-0.1	-0.1%
90.1%	64.6	64.3	-0.3	-0.4%
91.4%	64.5	64.2	-0.2	-0.4%
92.6%	64.3	64.2	-0.1	-0.2%
93.8%	64.0	64.1	0.1	0.2%
95.1%	63.5	63.9	0.4	0.7%
96.3%	63.2	63.6	0.4	0.6%
97.5%	62.9	63.0	0.1	0.2%
98.8%	61.5	61.6	0.1	0.1%
100.0%	61.5	61.6	0.0	0.1%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.7	60.5	-0.3	-0.4%
1.2%	60.5	60.4	-0.1	-0.1%
2.5%	60.3	60.4	0.0	0.1%
3.7%	60.3	60.2	-0.1	-0.2%
4.9%	59.8	59.6	-0.2	-0.3%
6.2%	59.8	59.6	-0.2	-0.3%
7.4%	59.7	59.4	-0.3	-0.5%
8.6%	59.6	59.3	-0.3	-0.5%
9.9%	59.5	59.3	-0.2	-0.4%
11.1%	59.4	59.2	-0.2	-0.3%
12.3%	59.4	59.2	-0.2	-0.4%
13.6%	59.3	59.1	-0.1	-0.2%
14.8%	59.3	59.1	-0.1	-0.2%
16.0%	59.2	59.0	-0.2	-0.3%
17.3%	59.2	58.7	-0.4	-0.7%
18.5%	59.1	58.6	-0.5	-0.8%
19.8%	59.1	58.6	-0.5	-0.8%
21.0%	59.0	58.6	-0.4	-0.7%
22.2%	58.6	58.5	-0.1	-0.2%
23.5%	58.6	58.4	-0.2	-0.3%
24.7%	58.5	58.2	-0.3	-0.4%
25.9%	58.4	58.2	-0.2	-0.4%
27.2%	58.4	58.2	-0.2	-0.4%
28.4%	58.2	58.2	0.0	-0.1%
29.6%	58.2	58.1	-0.1	-0.2%
30.9%	58.1	58.1	0.0	0.0%
32.1%	58.1	58.1	0.0	0.0%
33.3%	58.0	58.0	0.0	0.0%
34.6%	58.0	58.0	0.0	-0.1%
35.8%	58.0	58.0	0.0	-0.1%
37.0%	58.0	57.9	0.0	-0.1%
38.3%	58.0	57.9	0.0	-0.1%
39.5%	57.9	57.9	-0.1	-0.1%
40.7%	57.9	57.8	-0.1	-0.2%
42.0%	57.9	57.8	-0.1	-0.2%
43.2%	57.9	57.7	-0.2	-0.3%
44.4%	57.9	57.7	-0.2	-0.3%
45.7%	57.9	57.7	-0.2	-0.3%
46.9%	57.9	57.7	-0.2	-0.3%
48.1%	57.8	57.7	-0.1	-0.2%
49.4%	57.6	57.6	0.0	0.0%
50.6%	57.6	57.6	0.1	0.1%
51.9%	57.5	57.6	0.1	0.1%
53.1%	57.5	57.5	0.0	0.0%
54.3%	57.4	57.5	0.0	0.1%
55.6%	57.4	57.3	0.0	-0.1%
56.8%	57.4	57.3	-0.1	-0.1%
58.0%	57.4	57.3	-0.1	-0.2%
59.3%	57.3	57.3	-0.1	-0.1%
60.5%	57.2	57.2	0.0	0.0%
61.7%	57.2	57.1	-0.1	-0.1%
63.0%	57.1	57.1	0.0	0.0%
64.2%	57.1	57.1	0.0	0.0%
65.4%	57.1	57.1	0.0	0.0%
66.7%	57.1	57.0	0.0	-0.1%
67.9%	57.1	57.0	0.0	-0.1%
69.1%	57.0	57.0	-0.1	-0.1%
70.4%	57.0	57.0	-0.1	-0.1%
71.6%	57.0	57.0	-0.1	-0.1%
72.8%	57.0	56.9	0.0	0.0%
74.1%	56.9	56.9	0.0	0.0%
75.3%	56.9	56.8	-0.1	-0.1%
76.5%	56.9	56.8	0.0	0.0%
77.8%	56.7	56.8	0.1	0.2%
79.0%	56.3	56.7	0.4	0.6%
80.2%	56.3	56.7	0.3	0.6%
81.5%	56.2	56.6	0.3	0.6%
82.7%	56.2	56.5	0.3	0.5%
84.0%	56.2	56.4	0.2	0.4%
85.2%	56.1	56.3	0.2	0.3%
86.4%	55.7	56.2	0.5	0.9%
87.7%	55.4	56.0	0.6	1.0%
88.9%	55.4	55.7	0.4	0.7%
90.1%	55.4	55.5	0.1	0.3%
91.4%	55.3	55.4	0.1	0.1%
92.6%	54.2	55.4	1.1	2.1%
93.8%	54.2	54.6	0.4	0.7%
95.1%	53.7	54.4	0.7	1.3%
96.3%	53.6	54.0	0.4	0.7%
97.5%	53.5	53.9	0.3	0.6%
98.8%	51.1	51.7	0.6	1.2%
100.0%	51.1	51.7	0.6	1.2%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.3	54.4	0.2	0.3%
1.2%	52.7	53.2	0.4	0.8%
2.5%	52.6	53.1	0.5	0.9%
3.7%	52.5	52.6	0.1	0.3%
4.9%	52.5	52.6	0.1	0.2%
6.2%	52.4	52.4	0.0	0.1%
7.4%	51.7	52.2	0.5	0.9%
8.6%	51.7	52.2	0.4	0.9%
9.9%	51.6	52.1	0.4	0.8%
11.1%	51.5	51.9	0.4	0.8%
12.3%	51.5	51.7	0.2	0.3%
13.6%	51.5	51.6	0.2	0.3%
14.8%	51.5	51.6	0.2	0.3%
16.0%	51.4	51.5	0.1	0.3%
17.3%	51.1	51.4	0.3	0.5%
18.5%	51.1	51.3	0.3	0.5%
19.8%	50.9	51.3	0.4	0.8%
21.0%	50.9	51.3	0.4	0.7%
22.2%	50.9	51.2	0.4	0.7%
23.5%	50.8	51.2	0.4	0.7%
24.7%	50.8	51.1	0.3	0.6%
25.9%	50.8	51.1	0.3	0.6%
27.2%	50.8	51.0	0.3	0.5%
28.4%	50.7	51.0	0.3	0.6%
29.6%	50.6	50.9	0.3	0.7%
30.9%	50.6	50.9	0.3	0.7%
32.1%	50.5	50.9	0.3	0.7%
33.3%	50.5	50.8	0.3	0.6%
34.6%	50.4	50.8	0.4	0.7%
35.8%	50.4	50.8	0.4	0.8%
37.0%	50.4	50.8	0.4	0.7%
38.3%	50.4	50.8	0.4	0.7%
39.5%	50.4	50.7	0.3	0.6%
40.7%	50.4	50.7	0.3	0.7%
42.0%	50.3	50.6	0.3	0.6%
43.2%	50.3	50.6	0.3	0.6%
44.4%	50.3	50.6	0.3	0.6%
45.7%	50.3	50.5	0.3	0.5%
46.9%	50.2	50.5	0.3	0.5%
48.1%	50.2	50.5	0.2	0.5%
49.4%	50.2	50.4	0.2	0.5%
50.6%	50.2	50.4	0.2	0.4%
51.9%	50.1	50.3	0.1	0.2%
53.1%	50.1	50.2	0.1	0.3%
54.3%	50.1	50.2	0.1	0.2%
55.6%	49.9	50.2	0.4	0.7%
56.8%	49.8	50.2	0.3	0.7%
58.0%	49.8	50.1	0.3	0.7%
59.3%	49.6	49.7	0.1	0.2%
60.5%	49.5	49.7	0.2	0.4%
61.7%	49.4	49.6	0.2	0.4%
63.0%	49.4	49.6	0.2	0.4%
64.2%	49.3	49.5	0.2	0.3%
65.4%	49.3	49.4	0.1	0.2%
66.7%	49.2	49.3	0.0	0.1%
67.9%	49.1	49.2	0.1	0.1%
69.1%	49.1	49.2	0.1	0.2%
70.4%	49.0	49.0	0.0	0.0%
71.6%	48.8	48.9	0.1	0.2%
72.8%	48.6	48.9	0.2	0.5%
74.1%	48.6	48.9	0.2	0.5%
75.3%	48.5	48.8	0.3	0.7%
76.5%	48.5	48.7	0.2	0.4%
77.8%	48.5	48.5	0.0	0.0%
79.0%	48.3	48.5	0.1	0.3%
80.2%	48.1	48.4	0.2	0.4%
81.5%	48.1	48.1	0.0	0.1%
82.7%	47.9	48.0	0.1	0.2%
84.0%	47.8	47.9	0.1	0.3%
85.2%	47.6	47.7	0.2	0.4%
86.4%	47.5	47.6	0.1	0.2%
87.7%	47.4	47.5	0.1	0.2%
88.9%	47.4	47.5	0.2	0.3%
90.1%	47.3	47.4	0.1	0.1%
91.4%	46.9	47.0	0.1	0.2%
92.6%	46.9	46.6	-0.3	-0.7%
93.8%	46.2	46.4	0.2	0.4%
95.1%	46.0	46.0	0.1	0.1%
96.3%	44.9	45.8	0.9	2.1%
97.5%	44.6	45.6	1.0	2.2%
98.8%	44.4	45.0	0.6	1.3%
100.0%	44.4	45.0	0.6	1.3%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	51.1	51.0	-0.2	-0.3%
1.2%	50.5	50.7	0.1	0.3%
2.5%	49.9	50.1	0.2	0.3%
3.7%	49.3	49.6	0.3	0.6%
4.9%	49.3	49.6	0.3	0.6%
6.2%	49.3	49.4	0.2	0.3%
7.4%	49.3	49.3	0.0	0.0%
8.6%	49.3	49.2	0.0	-0.1%
9.9%	49.2	49.2	0.0	0.0%
11.1%	48.9	49.1	0.1	0.3%
12.3%	48.9	48.9	0.0	0.0%
13.6%	48.9	48.9	0.0	0.0%
14.8%	48.8	48.8	0.0	0.1%
16.0%	48.7	48.8	0.1	0.2%
17.3%	48.6	48.8	0.2	0.4%
18.5%	48.6	48.7	0.2	0.4%
19.8%	48.5	48.7	0.2	0.3%
21.0%	48.4	48.6	0.2	0.5%
22.2%	48.3	48.6	0.3	0.6%
23.5%	48.3	48.4	0.1	0.3%
24.7%	48.2	48.3	0.1	0.2%
25.9%	48.2	48.2	0.1	0.1%
27.2%	48.1	48.2	0.0	0.1%
28.4%	48.1	48.2	0.1	0.2%
29.6%	48.0	48.1	0.1	0.1%
30.9%	48.0	48.0	0.0	0.0%
32.1%	47.8	48.0	0.1	0.3%
33.3%	47.8	47.8	0.0	0.1%
34.6%	47.7	47.8	0.0	0.1%
35.8%	47.7	47.7	0.0	0.1%
37.0%	47.7	47.7	0.0	0.1%
38.3%	47.5	47.7	0.2	0.5%
39.5%	47.5	47.7	0.2	0.4%
40.7%	47.5	47.6	0.1	0.3%
42.0%	47.4	47.6	0.1	0.2%
43.2%	47.4	47.5	0.1	0.2%
44.4%	47.4	47.5	0.1	0.2%
45.7%	47.3	47.4	0.1	0.2%
46.9%	47.3	47.4	0.1	0.2%
48.1%	47.3	47.3	0.1	0.1%
49.4%	47.2	47.3	0.1	0.2%
50.6%	47.2	47.2	0.1	0.1%
51.9%	47.1	47.2	0.1	0.2%
53.1%	47.0	47.1	0.1	0.2%
54.3%	47.0	47.1	0.1	0.2%
55.6%	47.0	47.1	0.1	0.2%
56.8%	46.9	47.0	0.1	0.2%
58.0%	46.9	47.0	0.1	0.1%
59.3%	46.9	46.9	0.0	0.1%
60.5%	46.9	46.9	0.1	0.2%
61.7%	46.8	46.9	0.1	0.2%
63.0%	46.7	46.9	0.2	0.4%
64.2%	46.7	46.8	0.1	0.1%
65.4%	46.6	46.7	0.0	0.1%
66.7%	46.5	46.6	0.1	0.3%
67.9%	46.4	46.5	0.1	0.3%
69.1%	46.2	46.2	0.0	0.0%
70.4%	46.1	46.2	0.0	0.1%
71.6%	46.1	46.1	0.0	0.1%
72.8%	46.1	46.1	0.1	0.1%
74.1%	46.0	46.0	0.0	0.1%
75.3%	45.9	46.0	0.1	0.2%
76.5%	45.9	45.8	0.0	-0.1%
77.8%	45.8	45.8	0.0	0.0%
79.0%	45.8	45.8	0.0	0.0%
80.2%	45.7	45.7	0.0	0.0%
81.5%	45.7	45.7	-0.1	-0.1%
82.7%	45.7	45.6	0.0	-0.1%
84.0%	45.3	45.4	0.0	0.1%
85.2%	45.3	45.4	0.1	0.2%
86.4%	45.3	45.3	0.1	0.1%
87.7%	45.3	45.3	0.0	0.0%
88.9%	45.0	45.1	0.1	0.2%
90.1%	44.9	44.9	0.0	0.0%
91.4%	44.8	44.7	0.0	-0.1%
92.6%	44.7	44.7	-0.1	-0.2%
93.8%	44.7	44.6	-0.1	-0.2%
95.1%	44.6	44.6	0.0	-0.1%
96.3%	44.6	44.4	-0.2	-0.5%
97.5%	44.4	44.0	-0.4	-0.8%
98.8%	43.6	43.9	0.2	0.6%
100.0%	43.6	43.9	0.2	0.6%

Table SQ11-1b

American River at the Mouth, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.5	57.3	-0.2	-0.4%
1.2%	55.5	55.5	0.0	0.0%
2.5%	54.1	53.1	-1.0	-1.8%
3.7%	53.3	52.4	-0.9	-1.7%
4.9%	52.2	52.2	0.0	0.0%
6.2%	51.8	51.8	0.1	0.1%
7.4%	51.8	51.8	0.0	0.1%
8.6%	51.6	51.7	0.1	0.2%
9.9%	51.4	51.3	-0.1	-0.2%
11.1%	51.3	51.3	0.0	0.0%
12.3%	51.2	51.1	-0.1	-0.2%
13.6%	51.0	51.1	0.1	0.3%
14.8%	50.9	51.0	0.1	0.2%
16.0%	50.9	51.0	0.1	0.3%
17.3%	50.9	51.0	0.1	0.2%
18.5%	50.9	50.9	0.1	0.1%
19.8%	50.8	50.9	0.1	0.2%
21.0%	50.5	50.4	0.0	0.0%
22.2%	50.4	50.4	0.0	-0.1%
23.5%	50.3	50.3	0.0	-0.1%
24.7%	50.0	50.0	0.1	0.1%
25.9%	49.9	49.9	0.0	0.0%
27.2%	49.9	49.9	0.0	0.0%
28.4%	49.6	49.7	0.1	0.3%
29.6%	49.4	49.5	0.1	0.2%
30.9%	49.3	49.5	0.2	0.3%
32.1%	49.1	49.3	0.2	0.4%
33.3%	49.0	49.3	0.2	0.4%
34.6%	49.0	49.1	0.1	0.2%
35.8%	48.9	49.0	0.1	0.2%
37.0%	48.7	48.8	0.1	0.2%
38.3%	48.6	48.7	0.1	0.1%
39.5%	48.5	48.6	0.0	0.0%
40.7%	48.5	48.5	0.0	-0.1%
42.0%	48.5	48.4	-0.1	-0.3%
43.2%	48.3	48.3	0.0	0.1%
44.4%	48.2	48.3	0.1	0.2%
45.7%	48.1	48.2	0.0	0.1%
46.9%	48.1	48.1	0.0	0.0%
48.1%	48.0	48.1	0.0	0.1%
49.4%	48.0	48.1	0.0	0.1%
50.6%	48.0	48.0	0.0	0.0%
51.9%	47.9	48.0	0.1	0.2%
53.1%	47.9	47.9	0.0	0.1%
54.3%	47.8	47.9	0.1	0.2%
55.6%	47.6	47.8	0.1	0.3%
56.8%	47.6	47.7	0.2	0.3%
58.0%	47.6	47.6	0.0	0.1%
59.3%	47.5	47.6	0.0	0.1%
60.5%	47.5	47.6	0.1	0.2%
61.7%	47.4	47.5	0.1	0.2%
63.0%	47.4	47.4	0.0	0.0%
64.2%	47.4	47.4	0.0	0.0%
65.4%	47.2	47.2	0.0	0.0%
66.7%	47.1	47.1	0.0	0.0%
67.9%	47.1	47.1	0.0	0.1%
69.1%	47.1	47.1	0.0	0.1%
70.4%	47.1	47.1	0.0	0.0%
71.6%	47.0	47.0	0.0	0.0%
72.8%	47.0	47.0	0.0	0.0%
74.1%	46.8	46.9	0.1	0.3%
75.3%	46.8	46.8	0.1	0.1%
76.5%	46.8	46.8	0.0	0.0%
77.8%	46.8	46.8	0.0	0.0%
79.0%	46.7	46.8	0.0	0.0%
80.2%	46.7	46.7	0.0	0.0%
81.5%	46.7	46.7	0.0	0.0%
82.7%	46.6	46.6	0.0	0.0%
84.0%	46.6	46.6	0.0	0.0%
85.2%	46.6	46.6	0.0	0.0%
86.4%	46.4	46.4	0.0	-0.1%
87.7%	46.4	46.4	0.0	0.0%
88.9%	46.4	46.4	0.0	0.0%
90.1%	46.1	46.1	0.0	-0.1%
91.4%	46.0	46.0	0.0	0.0%
92.6%	46.0	46.0	0.0	-0.1%
93.8%	46.0	46.0	0.0	-0.1%
95.1%	46.0	45.9	-0.1	-0.2%
96.3%	46.0	45.7	-0.2	-0.5%
97.5%	45.9	45.7	-0.2	-0.3%
98.8%	45.1	45.4	0.4	0.8%
100.0%	45.1	45.4	0.4	0.8%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.6	60.7	0.1	0.1%
1.2%	60.5	60.6	0.0	0.1%
2.5%	60.1	60.3	0.2	0.3%
3.7%	60.1	60.1	0.0	0.0%
4.9%	60.1	60.0	-0.1	-0.2%
6.2%	60.0	59.2	-0.7	-1.2%
7.4%	59.3	59.1	-0.2	-0.4%
8.6%	58.6	58.7	0.0	0.1%
9.9%	58.6	58.6	0.0	0.0%
11.1%	58.4	58.4	0.0	0.0%
12.3%	57.7	57.5	-0.1	-0.2%
13.6%	57.6	57.5	-0.1	-0.1%
14.8%	57.5	57.5	0.0	0.0%
16.0%	57.5	57.5	0.0	0.0%
17.3%	57.4	57.3	-0.1	-0.1%
18.5%	56.8	56.5	-0.3	-0.6%
19.8%	56.8	56.2	-0.6	-1.1%
21.0%	56.5	55.9	-0.6	-1.0%
22.2%	56.1	55.7	-0.4	-0.7%
23.5%	55.9	55.2	-0.7	-1.3%
24.7%	55.3	55.0	-0.3	-0.6%
25.9%	54.7	54.7	0.0	0.0%
27.2%	54.6	54.6	0.0	0.0%
28.4%	54.5	54.4	-0.2	-0.3%
29.6%	54.3	54.3	0.0	0.0%
30.9%	54.2	54.2	0.0	0.0%
32.1%	54.2	54.2	0.0	0.0%
33.3%	53.7	54.1	0.4	0.7%
34.6%	53.5	53.6	0.0	0.0%
35.8%	53.5	53.5	0.0	0.0%
37.0%	53.3	53.3	0.0	0.1%
38.3%	53.3	53.3	0.0	0.0%
39.5%	52.9	52.9	0.0	0.0%
40.7%	52.8	52.8	0.0	0.0%
42.0%	52.5	52.5	0.0	0.0%
43.2%	52.5	52.5	0.0	0.0%
44.4%	52.3	52.3	0.0	0.0%
45.7%	52.0	52.0	0.0	0.0%
46.9%	52.0	51.9	0.0	-0.1%
48.1%	51.9	51.9	0.0	0.1%
49.4%	51.7	51.7	0.0	0.0%
50.6%	51.6	51.6	0.0	0.0%
51.9%	51.5	51.5	0.0	0.0%
53.1%	51.2	51.2	0.0	0.0%
54.3%	51.1	51.1	0.0	0.0%
55.6%	51.1	51.0	-0.1	-0.1%
56.8%	51.0	51.0	0.0	0.0%
58.0%	51.0	51.0	0.0	0.0%
59.3%	51.0	50.9	-0.1	-0.2%
60.5%	50.9	50.8	0.0	-0.1%
61.7%	50.9	50.8	0.0	-0.1%
63.0%	50.8	50.8	0.0	0.0%
64.2%	50.8	50.8	0.0	0.0%
65.4%	50.8	50.8	0.0	0.0%
66.7%	50.8	50.7	0.0	-0.1%
67.9%	50.6	50.6	0.0	0.0%
69.1%	50.6	50.6	0.0	0.0%
70.4%	50.6	50.6	0.0	0.0%
71.6%	50.6	50.6	0.0	0.0%
72.8%	50.5	50.5	0.0	0.0%
74.1%	50.4	50.4	0.0	-0.1%
75.3%	50.4	50.4	0.0	0.0%
76.5%	50.3	50.4	0.0	0.1%
77.8%	50.3	50.3	0.0	0.0%
79.0%	50.2	50.2	0.0	0.0%
80.2%	50.2	50.2	0.0	0.0%
81.5%	50.1	50.1	0.0	0.0%
82.7%	50.0	50.0	0.0	0.0%
84.0%	49.8	49.8	0.0	0.0%
85.2%	49.7	49.7	0.0	0.0%
86.4%	49.6	49.6	0.0	0.1%
87.7%	49.5	49.6	0.0	0.0%
88.9%	49.5	49.5	0.0	0.0%
90.1%	49.2	49.2	0.0	0.0%
91.4%	49.2	49.2	0.0	0.0%
92.6%	49.2	49.2	0.0	0.0%
93.8%	49.1	49.1	0.0	0.1%
95.1%	48.8	48.7	-0.1	-0.2%
96.3%	48.4	48.5	0.0	0.0%
97.5%	48.4	48.4	0.0	0.0%
98.8%	47.8	47.8	0.0	0.0%
100.0%	47.8	47.8	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	70.5	67.8	-2.8	-3.9%
1.2%	68.8	66.8	-2.0	-2.9%
2.5%	68.2	65.8	-2.3	-3.4%
3.7%	67.9	65.8	-2.1	-3.1%
4.9%	66.9	65.6	-1.4	-2.0%
6.2%	66.3	65.3	-1.0	-1.5%
7.4%	66.0	65.1	-0.9	-1.3%
8.6%	65.7	64.7	-1.0	-1.5%
9.9%	65.1	64.7	-0.5	-0.7%
11.1%	65.1	64.6	-0.5	-0.8%
12.3%	65.0	64.5	-0.5	-0.7%
13.6%	64.9	64.5	-0.4	-0.6%
14.8%	64.8	64.3	-0.4	-0.7%
16.0%	64.7	63.6	-1.1	-1.7%
17.3%	64.7	63.6	-1.1	-1.7%
18.5%	64.4	63.6	-0.8	-1.2%
19.8%	63.6	63.6	0.0	0.0%
21.0%	63.6	63.5	-0.1	-0.1%
22.2%	63.6	63.4	-0.1	-0.2%
23.5%	63.4	63.2	-0.2	-0.3%
24.7%	63.3	63.1	-0.2	-0.3%
25.9%	63.2	63.0	-0.2	-0.3%
27.2%	63.2	62.7	-0.4	-0.6%
28.4%	62.9	62.6	-0.3	-0.5%
29.6%	62.7	62.4	-0.3	-0.5%
30.9%	62.5	62.3	-0.2	-0.4%
32.1%	62.4	62.2	-0.2	-0.3%
33.3%	62.1	62.1	0.0	0.0%
34.6%	61.9	62.0	0.2	0.3%
35.8%	61.7	62.0	0.4	0.6%
37.0%	61.5	61.9	0.4	0.6%
38.3%	61.2	61.5	0.4	0.6%
39.5%	60.9	61.2	0.3	0.4%
40.7%	60.7	60.9	0.2	0.4%
42.0%	60.6	60.7	0.1	0.2%
43.2%	60.4	60.6	0.1	0.2%
44.4%	60.3	60.4	0.1	0.1%
45.7%	60.3	60.3	0.0	0.0%
46.9%	60.3	60.3	0.0	0.0%
48.1%	60.2	60.2	0.0	0.0%
49.4%	59.8	60.2	0.4	0.6%
50.6%	59.7	60.2	0.4	0.7%
51.9%	59.7	59.8	0.1	0.2%
53.1%	59.7	59.6	-0.1	-0.1%
54.3%	59.5	59.6	0.0	0.0%
55.6%	59.5	59.5	0.0	0.0%
56.8%	59.4	59.5	0.1	0.2%
58.0%	59.2	59.2	0.0	0.0%
59.3%	59.2	59.2	0.0	0.0%
60.5%	59.0	59.0	0.0	0.0%
61.7%	58.4	58.4	0.0	0.0%
63.0%	58.0	57.9	-0.1	-0.3%
64.2%	57.8	57.8	0.0	0.0%
65.4%	57.8	57.7	-0.1	-0.2%
66.7%	57.7	57.7	0.0	0.0%
67.9%	57.2	57.3	0.0	0.0%
69.1%	57.2	57.2	0.0	0.0%
70.4%	57.1	57.1	0.0	0.0%
71.6%	56.9	56.9	0.0	0.0%
72.8%	56.8	56.8	0.0	0.1%
74.1%	56.7	56.7	0.0	0.0%
75.3%	56.4	56.4	0.0	0.0%
76.5%	55.7	55.7	0.0	0.0%
77.8%	55.4	55.4	0.0	0.0%
79.0%	55.3	55.3	0.0	0.0%
80.2%	55.3	55.3	0.0	0.0%
81.5%	55.3	55.3	0.0	0.0%
82.7%	55.1	55.1	0.0	0.0%
84.0%	55.1	55.1	0.0	0.0%
85.2%	54.9	54.9	0.0	0.0%
86.4%	54.9	54.9	0.0	0.0%
87.7%	54.5	54.5	0.0	0.0%
88.9%	54.1	54.1	0.0	0.0%
90.1%	53.9	53.9	0.0	0.0%
91.4%	53.8	53.8	0.0	0.0%
92.6%	53.7	53.6	-0.1	-0.1%
93.8%	53.2	53.4	0.2	0.3%
95.1%	53.1	53.2	0.1	0.2%
96.3%	52.4	52.4	0.0	0.0%
97.5%	52.2	52.3	0.0	0.1%
98.8%	51.6	51.6	0.0	0.1%
100.0%	51.6	51.6	0.0	0.1%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	74.6	75.6	1.0	1.4%
1.2%	73.6	73.5	-0.1	-0.2%
2.5%	73.3	72.9	-0.4	-0.6%
3.7%	73.1	72.3	-0.7	-1.0%
4.9%	72.9	72.2	-0.7	-1.0%
6.2%	72.8	71.8	-1.1	-1.5%
7.4%	72.8	71.1	-1.7	-2.3%
8.6%	72.6	71.0	-1.7	-2.3%
9.9%	72.0	70.9	-1.1	-1.5%
11.1%	71.7	70.6	-1.1	-1.5%
12.3%	71.6	70.6	-1.0	-1.5%
13.6%	71.4	70.5	-0.9	-1.3%
14.8%	71.1	70.5	-0.6	-0.9%
16.0%	70.9	70.3	-0.6	-0.8%
17.3%	70.9	70.3	-0.6	-0.8%
18.5%	70.8	70.2	-0.6	-0.9%
19.8%	70.8	70.1	-0.7	-0.9%
21.0%	70.6	70.1	-0.5	-0.7%
22.2%	70.6	70.0	-0.6	-0.9%
23.5%	70.5	69.7	-0.8	-1.2%
24.7%	70.5	69.7	-0.8	-1.1%
25.9%	70.4	69.5	-0.9	-1.3%
27.2%	70.4	69.5	-0.9	-1.2%
28.4%	70.2	69.5	-0.7	-1.0%
29.6%	70.0	69.3	-0.7	-1.0%
30.9%	70.0	69.3	-0.6	-0.9%
32.1%	69.9	69.3	-0.6	-0.8%
33.3%	69.8	69.2	-0.6	-0.8%
34.6%	69.8	69.1	-0.7	-1.0%
35.8%	69.7	68.9	-0.8	-1.1%
37.0%	69.5	68.8	-0.7	-1.0%
38.3%	69.3	68.8	-0.5	-0.8%
39.5%	68.9	68.5	-0.4	-0.6%
40.7%	68.9	68.4	-0.4	-0.6%
42.0%	68.8	68.3	-0.5	-0.8%
43.2%	68.7	68.2	-0.5	-0.7%
44.4%	68.7	68.2	-0.5	-0.7%
45.7%	68.5	68.0	-0.5	-0.7%
46.9%	68.2	67.8	-0.4	-0.6%
48.1%	68.2	67.7	-0.5	-0.7%
49.4%	67.8	67.5	-0.2	-0.3%
50.6%	67.7	67.5	-0.2	-0.4%
51.9%	67.7	67.0	-0.7	-1.0%
53.1%	66.9	66.9	0.0	0.0%
54.3%	66.6	66.9	0.2	0.4%
55.6%	66.6	66.5	-0.1	-0.1%
56.8%	66.5	66.5	-0.1	-0.1%
58.0%	66.4	66.4	0.0	0.0%
59.3%	66.3	66.3	0.0	0.0%
60.5%	65.9	66.1	0.2	0.4%
61.7%	65.8	65.9	0.1	0.2%
63.0%	65.8	65.8	0.0	0.1%
64.2%	65.6	65.8	0.1	0.2%
65.4%	65.6	65.6	0.0	0.0%
66.7%	65.5	65.6	0.0	0.1%
67.9%	65.5	65.5	0.0	0.1%
69.1%	65.2	65.5	0.3	0.4%
70.4%	65.0	65.1	0.1	0.1%
71.6%	65.0	64.9	-0.1	-0.1%
72.8%	64.9	64.9	0.0	0.0%
74.1%	64.9	64.5	-0.3	-0.5%
75.3%	64.7	64.4	-0.3	-0.4%
76.5%	64.6	64.1	-0.4	-0.6%
77.8%	64.4	64.0	-0.4	-0.6%
79.0%	64.1	64.0	-0.1	-0.2%
80.2%	64.0	64.0	0.0	0.0%
81.5%	64.0	63.7	-0.3	-0.4%
82.7%	63.7	63.7	0.0	0.0%
84.0%	63.3	63.3	0.0	0.0%
85.2%	62.5	62.5	0.0	0.0%
86.4%	62.4	62.4	0.0	0.0%
87.7%	62.3	62.3	0.0	0.0%
88.9%	62.1	61.9	-0.2	-0.3%
90.1%	61.7	61.7	0.0	0.0%
91.4%	61.2	61.2	0.0	0.0%
92.6%	61.2	61.2	0.0	0.0%
93.8%	60.1	60.1	0.0	0.0%
95.1%	59.7	59.7	0.0	0.0%
96.3%	58.8	58.8	0.0	0.0%
97.5%	58.3	58.3	0.0	0.0%
98.8%	58.1	58.2	0.0	0.1%
100.0%	58.1	58.2	0.0	0.1%

Table SQ11-1b

American River at the Mouth, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	81.2	81.3	0.1	0.1%
1.2%	80.6	80.4	-0.2	-0.2%
2.5%	78.9	78.9	0.0	0.0%
3.7%	78.6	76.8	-1.7	-2.2%
4.9%	78.4	76.7	-1.7	-2.2%
6.2%	77.4	76.5	-0.9	-1.1%
7.4%	77.3	76.0	-1.4	-1.8%
8.6%	77.3	75.6	-1.7	-2.1%
9.9%	77.2	75.5	-1.7	-2.3%
11.1%	77.2	75.4	-1.7	-2.3%
12.3%	77.2	75.3	-1.8	-2.4%
13.6%	76.9	75.3	-1.6	-2.1%
14.8%	76.7	75.1	-1.6	-2.1%
16.0%	76.6	74.9	-1.7	-2.2%
17.3%	76.5	74.9	-1.7	-2.2%
18.5%	76.5	74.8	-1.7	-2.2%
19.8%	76.1	74.7	-1.4	-1.8%
21.0%	76.1	74.7	-1.4	-1.8%
22.2%	75.7	74.5	-1.2	-1.6%
23.5%	75.4	74.0	-1.3	-1.7%
24.7%	75.3	74.0	-1.3	-1.7%
25.9%	75.0	73.7	-1.3	-1.7%
27.2%	74.5	73.5	-1.0	-1.3%
28.4%	74.3	73.5	-0.8	-1.1%
29.6%	74.3	73.3	-1.0	-1.4%
30.9%	74.1	73.3	-0.8	-1.1%
32.1%	74.1	73.2	-0.9	-1.2%
33.3%	73.8	72.9	-1.0	-1.3%
34.6%	73.3	72.8	-0.5	-0.7%
35.8%	73.1	72.8	-0.3	-0.4%
37.0%	73.0	72.8	-0.2	-0.2%
38.3%	72.9	72.7	-0.2	-0.2%
39.5%	72.9	72.6	-0.3	-0.4%
40.7%	72.9	72.6	-0.3	-0.4%
42.0%	72.8	72.5	-0.3	-0.4%
43.2%	72.3	72.4	0.1	0.1%
44.4%	72.1	72.3	0.2	0.3%
45.7%	71.9	72.3	0.3	0.5%
46.9%	71.8	72.0	0.1	0.2%
48.1%	71.7	71.8	0.1	0.2%
49.4%	71.6	71.7	0.1	0.1%
50.6%	71.5	71.5	0.0	0.0%
51.9%	71.3	71.5	0.2	0.2%
53.1%	71.3	71.3	0.0	0.0%
54.3%	71.1	71.3	0.2	0.2%
55.6%	71.1	71.2	0.1	0.1%
56.8%	71.1	71.1	0.0	0.0%
58.0%	71.0	71.1	0.0	0.1%
59.3%	70.9	70.9	0.0	0.0%
60.5%	70.7	70.7	-0.1	-0.1%
61.7%	70.7	70.6	-0.1	-0.1%
63.0%	70.3	70.6	0.3	0.4%
64.2%	70.2	70.2	0.0	0.0%
65.4%	70.0	70.1	0.1	0.2%
66.7%	69.9	70.0	0.2	0.3%
67.9%	69.7	69.9	0.2	0.3%
69.1%	69.6	69.8	0.2	0.3%
70.4%	69.5	69.7	0.3	0.4%
71.6%	69.5	69.7	0.2	0.3%
72.8%	69.3	69.6	0.3	0.4%
74.1%	69.2	69.6	0.4	0.6%
75.3%	69.1	69.4	0.3	0.4%
76.5%	68.9	69.4	0.4	0.6%
77.8%	68.9	69.2	0.3	0.5%
79.0%	68.7	68.9	0.2	0.2%
80.2%	68.7	68.8	0.1	0.2%
81.5%	68.6	68.8	0.1	0.2%
82.7%	68.5	68.7	0.2	0.2%
84.0%	68.4	68.7	0.2	0.3%
85.2%	68.2	68.6	0.4	0.6%
86.4%	68.2	68.3	0.1	0.2%
87.7%	68.1	68.3	0.2	0.3%
88.9%	68.0	68.0	0.0	0.0%
90.1%	67.9	67.9	0.0	0.0%
91.4%	67.9	67.9	0.0	0.0%
92.6%	67.3	67.3	0.0	0.0%
93.8%	67.2	67.3	0.1	0.1%
95.1%	66.7	66.9	0.1	0.2%
96.3%	66.7	66.7	0.0	0.0%
97.5%	66.6	66.6	0.0	0.0%
98.8%	66.4	66.4	0.0	0.0%
100.0%	66.4	66.4	0.0	0.0%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	83.4	83.4	0.0	-0.1%
1.2%	81.3	80.3	-1.0	-1.2%
2.5%	80.4	79.8	-0.6	-0.8%
3.7%	79.1	79.5	0.4	0.6%
4.9%	78.8	77.7	-1.1	-1.4%
6.2%	78.5	76.8	-1.7	-2.2%
7.4%	77.2	76.7	-0.5	-0.6%
8.6%	76.8	76.4	-0.5	-0.6%
9.9%	76.4	76.2	-0.2	-0.3%
11.1%	76.3	76.0	-0.2	-0.3%
12.3%	75.9	76.0	0.1	0.2%
13.6%	75.8	75.7	-0.1	-0.1%
14.8%	75.8	75.4	-0.3	-0.5%
16.0%	75.3	75.4	0.1	0.1%
17.3%	75.0	75.3	0.3	0.4%
18.5%	74.2	74.8	0.7	0.9%
19.8%	74.1	74.6	0.5	0.7%
21.0%	73.9	73.8	-0.1	-0.1%
22.2%	73.9	73.5	-0.4	-0.5%
23.5%	73.7	73.4	-0.3	-0.4%
24.7%	73.7	73.4	-0.3	-0.4%
25.9%	73.6	73.1	-0.5	-0.6%
27.2%	73.5	72.9	-0.5	-0.7%
28.4%	73.3	72.9	-0.5	-0.6%
29.6%	73.2	72.8	-0.4	-0.6%
30.9%	72.8	72.6	-0.2	-0.2%
32.1%	72.8	72.6	-0.2	-0.3%
33.3%	72.7	72.5	-0.1	-0.2%
34.6%	72.5	72.5	0.0	0.0%
35.8%	72.1	72.4	0.3	0.4%
37.0%	72.0	72.3	0.3	0.4%
38.3%	71.8	72.3	0.5	0.7%
39.5%	71.8	72.3	0.5	0.6%
40.7%	71.8	72.3	0.5	0.7%
42.0%	71.7	72.0	0.2	0.3%
43.2%	71.7	72.0	0.3	0.4%
44.4%	71.5	71.9	0.3	0.4%
45.7%	71.5	71.8	0.3	0.4%
46.9%	71.5	71.8	0.3	0.4%
48.1%	71.4	71.6	0.1	0.2%
49.4%	71.4	71.5	0.1	0.2%
50.6%	71.3	71.3	-0.1	-0.1%
51.9%	71.3	71.2	-0.1	-0.1%
53.1%	71.3	71.1	-0.1	-0.2%
54.3%	71.2	71.1	-0.1	-0.1%
55.6%	71.2	71.1	-0.1	-0.1%
56.8%	71.2	71.1	-0.1	-0.1%
58.0%	71.2	70.9	-0.3	-0.4%
59.3%	71.1	70.8	-0.3	-0.4%
60.5%	71.0	70.8	-0.2	-0.2%
61.7%	71.0	70.7	-0.3	-0.4%
63.0%	70.9	70.7	-0.2	-0.3%
64.2%	70.7	70.7	0.0	-0.1%
65.4%	70.7	70.7	0.0	0.0%
66.7%	70.6	70.6	0.0	0.0%
67.9%	70.6	70.6	0.0	0.1%
69.1%	70.5	70.4	0.0	-0.1%
70.4%	70.4	70.3	-0.1	-0.2%
71.6%	70.3	70.3	-0.1	-0.1%
72.8%	70.2	70.1	-0.1	-0.1%
74.1%	70.1	70.0	-0.1	-0.1%
75.3%	70.1	70.0	-0.1	-0.1%
76.5%	70.1	69.8	-0.2	-0.4%
77.8%	70.0	69.8	-0.2	-0.3%
79.0%	70.0	69.7	-0.3	-0.4%
80.2%	70.0	69.6	-0.3	-0.5%
81.5%	70.0	69.5	-0.4	-0.6%
82.7%	70.0	69.5	-0.4	-0.6%
84.0%	69.7	69.5	-0.2	-0.3%
85.2%	69.7	69.4	-0.2	-0.3%
86.4%	69.7	69.4	-0.2	-0.3%
87.7%	69.7	69.4	-0.3	-0.4%
88.9%	69.6	69.4	-0.2	-0.3%
90.1%	69.6	69.3	-0.2	-0.3%
91.4%	69.5	69.2	-0.3	-0.4%
92.6%	69.4	69.1	-0.3	-0.5%
93.8%	69.4	69.0	-0.4	-0.6%
95.1%	69.4	69.0	-0.4	-0.5%
96.3%	69.2	69.0	-0.2	-0.3%
97.5%	69.1	68.9	-0.3	-0.4%
98.8%	69.0	68.8	-0.1	-0.2%
100.0%	69.0	68.8	-0.1	-0.2%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	82.7	81.6	-1.2	-1.4%
1.2%	81.8	81.0	-0.7	-0.9%
2.5%	80.2	78.6	-1.6	-2.0%
3.7%	79.8	78.6	-1.2	-1.5%
4.9%	79.3	78.4	-0.9	-1.1%
6.2%	79.3	78.1	-1.2	-1.5%
7.4%	78.6	78.0	-0.5	-0.7%
8.6%	78.5	77.9	-0.6	-0.7%
9.9%	78.5	77.6	-0.9	-1.1%
11.1%	78.3	77.4	-0.9	-1.1%
12.3%	78.2	77.3	-0.9	-1.1%
13.6%	77.9	77.3	-0.6	-0.8%
14.8%	77.7	76.6	-1.1	-1.5%
16.0%	77.3	76.5	-0.8	-1.0%
17.3%	77.3	76.1	-1.2	-1.6%
18.5%	76.6	76.0	-0.6	-0.7%
19.8%	76.6	76.0	-0.6	-0.8%
21.0%	76.2	75.9	-0.3	-0.4%
22.2%	76.2	75.9	-0.3	-0.4%
23.5%	76.1	75.6	-0.4	-0.5%
24.7%	76.0	75.4	-0.6	-0.8%
25.9%	76.0	75.1	-0.9	-1.1%
27.2%	75.8	75.1	-0.8	-1.0%
28.4%	75.8	74.9	-0.9	-1.2%
29.6%	75.8	74.8	-0.9	-1.2%
30.9%	75.8	74.8	-1.0	-1.3%
32.1%	75.7	74.7	-1.0	-1.3%
33.3%	75.1	74.7	-0.4	-0.6%
34.6%	75.1	74.5	-0.5	-0.7%
35.8%	75.0	74.5	-0.5	-0.7%
37.0%	74.9	74.4	-0.5	-0.6%
38.3%	74.7	74.4	-0.3	-0.4%
39.5%	74.7	74.2	-0.5	-0.7%
40.7%	74.5	74.1	-0.4	-0.6%
42.0%	74.4	74.1	-0.3	-0.4%
43.2%	74.3	73.9	-0.4	-0.6%
44.4%	74.1	73.9	-0.2	-0.3%
45.7%	74.0	73.8	-0.1	-0.2%
46.9%	73.9	73.8	-0.1	-0.1%
48.1%	73.7	73.7	0.0	0.0%
49.4%	73.7	73.6	-0.1	-0.1%
50.6%	73.6	73.3	-0.3	-0.4%
51.9%	73.6	73.3	-0.3	-0.4%
53.1%	73.5	73.3	-0.2	-0.3%
54.3%	73.5	73.3	-0.2	-0.3%
55.6%	73.5	73.1	-0.3	-0.5%
56.8%	73.5	73.1	-0.4	-0.5%
58.0%	73.4	73.1	-0.4	-0.5%
59.3%	73.4	72.9	-0.5	-0.6%
60.5%	73.4	72.9	-0.5	-0.7%
61.7%	73.3	72.8	-0.5	-0.7%
63.0%	73.3	72.7	-0.6	-0.8%
64.2%	73.3	72.6	-0.7	-0.9%
65.4%	73.2	72.5	-0.7	-1.0%
66.7%	73.1	72.5	-0.7	-0.9%
67.9%	73.0	72.3	-0.7	-1.0%
69.1%	72.9	72.3	-0.6	-0.9%
70.4%	72.9	72.3	-0.7	-0.9%
71.6%	72.9	72.3	-0.6	-0.9%
72.8%	72.8	72.1	-0.7	-1.0%
74.1%	72.8	71.9	-0.9	-1.2%
75.3%	72.8	71.9	-0.9	-1.2%
76.5%	72.8	71.9	-0.9	-1.2%
77.8%	72.8	71.8	-1.0	-1.3%
79.0%	72.7	71.8	-0.9	-1.3%
80.2%	72.7	71.8	-0.9	-1.2%
81.5%	72.5	71.8	-0.8	-1.1%
82.7%	72.5	71.6	-0.9	-1.3%
84.0%	72.5	71.5	-1.0	-1.4%
85.2%	72.4	71.5	-0.9	-1.3%
86.4%	72.2	71.4	-0.8	-1.1%
87.7%	72.2	71.4	-0.8	-1.1%
88.9%	72.1	71.4	-0.7	-1.0%
90.1%	72.0	71.2	-0.7	-1.0%
91.4%	72.0	71.2	-0.8	-1.1%
92.6%	71.7	71.1	-0.5	-0.7%
93.8%	71.5	71.0	-0.5	-0.7%
95.1%	71.4	70.3	-1.1	-1.5%
96.3%	71.4	70.3	-1.1	-1.5%
97.5%	71.0	70.2	-0.8	-1.1%
98.8%	70.8	69.8	-0.9	-1.3%
100.0%	70.8	69.8	-0.9	-1.3%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	78.7	78.4	-0.3	-0.4%
1.2%	77.0	76.4	-0.6	-0.8%
2.5%	76.9	76.1	-0.9	-1.1%
3.7%	76.6	75.8	-0.7	-1.0%
4.9%	76.4	75.6	-0.8	-1.0%
6.2%	75.6	75.5	-0.1	-0.1%
7.4%	75.5	75.1	-0.4	-0.6%
8.6%	75.4	74.7	-0.7	-0.9%
9.9%	75.3	74.4	-0.9	-1.2%
11.1%	75.3	74.2	-1.0	-1.4%
12.3%	75.2	74.2	-1.0	-1.3%
13.6%	75.2	74.2	-1.1	-1.4%
14.8%	74.8	74.1	-0.8	-1.1%
16.0%	74.8	74.0	-0.8	-1.1%
17.3%	74.7	74.0	-0.7	-0.9%
18.5%	74.6	73.8	-0.8	-1.1%
19.8%	74.3	73.8	-0.5	-0.7%
21.0%	74.2	73.7	-0.4	-0.6%
22.2%	74.1	73.1	-0.9	-1.3%
23.5%	74.0	73.0	-1.0	-1.4%
24.7%	73.9	73.0	-0.9	-1.2%
25.9%	73.8	72.9	-0.8	-1.1%
27.2%	73.7	72.9	-0.8	-1.1%
28.4%	73.7	72.9	-0.8	-1.1%
29.6%	73.7	72.8	-0.8	-1.1%
30.9%	73.6	72.8	-0.7	-1.0%
32.1%	73.6	72.8	-0.8	-1.1%
33.3%	73.4	72.7	-0.7	-1.0%
34.6%	73.2	72.7	-0.4	-0.6%
35.8%	73.2	72.6	-0.5	-0.7%
37.0%	73.1	72.6	-0.5	-0.7%
38.3%	73.1	72.4	-0.6	-0.9%
39.5%	73.0	72.4	-0.6	-0.9%
40.7%	73.0	72.3	-0.7	-0.9%
42.0%	72.8	72.1	-0.6	-0.9%
43.2%	72.8	72.1	-0.7	-0.9%
44.4%	72.8	72.1	-0.7	-1.0%
45.7%	72.8	72.0	-0.7	-1.0%
46.9%	72.7	71.8	-1.0	-1.3%
48.1%	72.7	71.6	-1.1	-1.5%
49.4%	72.7	71.5	-1.2	-1.6%
50.6%	72.6	71.5	-1.1	-1.5%
51.9%	72.6	71.5	-1.0	-1.4%
53.1%	72.5	71.5	-1.0	-1.4%
54.3%	72.4	71.4	-0.9	-1.3%
55.6%	72.3	71.3	-1.0	-1.4%
56.8%	72.1	71.2	-0.9	-1.3%
58.0%	71.8	71.2	-0.6	-0.9%
59.3%	71.8	71.1	-0.6	-0.9%
60.5%	71.7	71.1	-0.7	-0.9%
61.7%	71.7	71.1	-0.6	-0.9%
63.0%	71.7	71.0	-0.7	-1.0%
64.2%	71.6	70.9	-0.7	-0.9%
65.4%	71.5	70.9	-0.7	-0.9%
66.7%	71.5	70.8	-0.6	-0.8%
67.9%	71.4	70.8	-0.6	-0.8%
69.1%	71.4	70.8	-0.6	-0.9%
70.4%	71.4	70.6	-0.7	-1.0%
71.6%	71.3	70.6	-0.7	-1.0%
72.8%	71.1	70.5	-0.6	-0.8%
74.1%	71.1	70.5	-0.7	-0.9%
75.3%	71.1	70.3	-0.8	-1.1%
76.5%	71.0	70.3	-0.7	-1.0%
77.8%	70.7	70.3	-0.4	-0.5%
79.0%	70.5	70.3	-0.2	-0.3%
80.2%	70.2	70.2	0.0	-0.1%
81.5%	70.1	69.8	-0.2	-0.3%
82.7%	70.0	69.8	-0.2	-0.3%
84.0%	70.0	69.6	-0.4	-0.6%
85.2%	69.9	69.4	-0.5	-0.7%
86.4%	69.8	69.2	-0.5	-0.8%
87.7%	69.5	68.9	-0.6	-0.9%
88.9%	69.4	68.9	-0.5	-0.7%
90.1%	69.2	68.7	-0.5	-0.8%
91.4%	69.1	68.6	-0.5	-0.7%
92.6%	69.1	68.4	-0.7	-1.1%
93.8%	68.9	68.3	-0.6	-0.9%
95.1%	68.8	68.2	-0.6	-0.9%
96.3%	68.7	68.1	-0.5	-0.8%
97.5%	68.5	67.8	-0.7	-1.0%
98.8%	67.8	67.7	-0.2	-0.3%
100.0%	67.8	67.7	-0.2	-0.3%

Table SQ11-1b

American River at the Mouth, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	80.2	81.0	0.9	1.1%
1.2%	79.2	78.4	-0.8	-1.0%
2.5%	79.1	78.1	-1.0	-1.2%
3.7%	78.8	77.9	-1.0	-1.2%
4.9%	76.8	77.1	0.3	0.4%
6.2%	76.8	76.5	-0.3	-0.4%
7.4%	76.4	75.9	-0.5	-0.7%
8.6%	76.1	75.8	-0.3	-0.4%
9.9%	75.8	75.4	-0.4	-0.5%
11.1%	75.6	75.4	-0.2	-0.3%
12.3%	75.6	75.3	-0.3	-0.4%
13.6%	75.3	75.2	-0.1	-0.1%
14.8%	75.2	74.9	-0.3	-0.3%
16.0%	75.1	74.9	-0.2	-0.2%
17.3%	74.9	74.7	-0.3	-0.4%
18.5%	74.7	74.4	-0.3	-0.5%
19.8%	74.7	74.4	-0.3	-0.5%
21.0%	74.6	74.0	-0.6	-0.8%
22.2%	74.5	73.9	-0.7	-0.9%
23.5%	74.2	73.5	-0.7	-1.0%
24.7%	74.2	73.4	-0.8	-1.1%
25.9%	74.2	73.4	-0.8	-1.1%
27.2%	74.1	73.2	-0.9	-1.2%
28.4%	73.6	73.0	-0.6	-0.8%
29.6%	73.6	73.0	-0.6	-0.8%
30.9%	73.4	73.0	-0.5	-0.6%
32.1%	73.3	73.0	-0.4	-0.5%
33.3%	73.3	72.8	-0.5	-0.7%
34.6%	73.2	72.8	-0.5	-0.6%
35.8%	73.2	72.6	-0.6	-0.8%
37.0%	73.2	72.6	-0.6	-0.8%
38.3%	73.1	72.4	-0.7	-0.9%
39.5%	73.1	72.4	-0.7	-0.9%
40.7%	72.9	72.3	-0.6	-0.8%
42.0%	72.9	72.2	-0.6	-0.8%
43.2%	72.7	72.2	-0.5	-0.7%
44.4%	72.7	72.2	-0.6	-0.8%
45.7%	72.7	72.2	-0.6	-0.8%
46.9%	72.4	72.1	-0.3	-0.4%
48.1%	72.4	72.1	-0.3	-0.4%
49.4%	72.4	72.0	-0.4	-0.6%
50.6%	72.4	71.9	-0.4	-0.6%
51.9%	72.3	71.9	-0.3	-0.4%
53.1%	72.2	71.9	-0.3	-0.5%
54.3%	72.1	71.9	-0.3	-0.4%
55.6%	72.1	71.7	-0.4	-0.5%
56.8%	72.0	71.7	-0.3	-0.5%
58.0%	72.0	71.7	-0.3	-0.4%
59.3%	71.9	71.6	-0.3	-0.4%
60.5%	71.9	71.6	-0.4	-0.5%
61.7%	71.8	71.5	-0.3	-0.4%
63.0%	71.7	71.4	-0.3	-0.4%
64.2%	71.6	71.3	-0.3	-0.5%
65.4%	71.5	71.3	-0.3	-0.4%
66.7%	71.5	71.2	-0.2	-0.3%
67.9%	71.4	71.2	-0.2	-0.3%
69.1%	71.4	71.0	-0.4	-0.6%
70.4%	71.3	71.0	-0.4	-0.5%
71.6%	71.3	71.0	-0.3	-0.4%
72.8%	71.3	70.9	-0.3	-0.5%
74.1%	71.2	70.8	-0.3	-0.5%
75.3%	71.1	70.7	-0.4	-0.6%
76.5%	71.1	70.7	-0.5	-0.6%
77.8%	71.1	70.6	-0.4	-0.6%
79.0%	71.1	70.6	-0.5	-0.6%
80.2%	70.9	70.6	-0.4	-0.5%
81.5%	70.8	70.5	-0.4	-0.5%
82.7%	70.8	70.4	-0.4	-0.6%
84.0%	70.8	70.1	-0.7	-1.0%
85.2%	70.8	70.1	-0.7	-1.0%
86.4%	70.7	70.0	-0.7	-1.0%
87.7%	70.7	70.0	-0.7	-1.0%
88.9%	70.7	69.9	-0.8	-1.1%
90.1%	70.5	69.9	-0.6	-0.9%
91.4%	70.5	69.8	-0.6	-0.9%
92.6%	70.4	69.8	-0.6	-0.9%
93.8%	70.2	69.8	-0.4	-0.6%
95.1%	69.9	69.6	-0.3	-0.4%
96.3%	69.9	69.4	-0.5	-0.7%
97.5%	69.9	69.0	-0.9	-1.3%
98.8%	69.8	68.6	-1.2	-1.7%
100.0%	69.7	68.5	-1.2	-1.7%

July to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	79.8	80.9	1.1	1.4%
1.2%	79.7	78.3	-1.4	-1.8%
2.5%	79.3	77.8	-1.5	-1.9%
3.7%	78.2	77.8	-0.5	-0.6%
4.9%	77.4	77.2	-0.2	-0.3%
6.2%	77.4	76.7	-0.7	-1.0%
7.4%	77.3	76.4	-0.9	-1.1%
8.6%	76.9	76.1	-0.9	-1.1%
9.9%	76.5	76.0	-0.5	-0.7%
11.1%	76.3	75.6	-0.7	-0.9%
12.3%	75.9	75.4	-0.5	-0.7%
13.6%	75.7	75.3	-0.4	-0.5%
14.8%	75.7	75.3	-0.4	-0.5%
16.0%	75.1	75.2	0.2	0.2%
17.3%	74.8	75.2	0.4	0.6%
18.5%	74.6	75.0	0.4	0.5%
19.8%	74.3	75.0	0.7	0.9%
21.0%	74.2	74.0	-0.2	-0.3%
22.2%	74.2	73.8	-0.4	-0.5%
23.5%	74.2	73.8	-0.4	-0.5%
24.7%	73.8	73.4	-0.4	-0.5%
25.9%	73.7	73.4	-0.3	-0.4%
27.2%	73.5	73.3	-0.3	-0.4%
28.4%	73.5	73.0	-0.5	-0.7%
29.6%	73.5	72.9	-0.5	-0.7%
30.9%	73.4	72.9	-0.6	-0.8%
32.1%	73.4	72.9	-0.5	-0.7%
33.3%	73.3	72.7	-0.6	-0.8%
34.6%	73.3	72.7	-0.6	-0.8%
35.8%	73.2	72.7	-0.5	-0.7%
37.0%	73.1	72.5	-0.7	-0.9%
38.3%	73.1	72.4	-0.7	-0.9%
39.5%	72.9	72.3	-0.6	-0.9%
40.7%	72.8	72.2	-0.6	-0.9%
42.0%	72.8	72.1	-0.7	-0.9%
43.2%	72.6	72.1	-0.5	-0.7%
44.4%	72.5	72.1	-0.5	-0.6%
45.7%	72.5	72.1	-0.4	-0.5%
46.9%	72.4	72.1	-0.3	-0.5%
48.1%	72.4	72.1	-0.3	-0.4%
49.4%	72.4	72.1	-0.3	-0.4%
50.6%	72.3	72.0	-0.4	-0.5%
51.9%	72.3	71.9	-0.4	-0.5%
53.1%	72.3	71.9	-0.3	-0.5%
54.3%	72.3	71.9	-0.4	-0.5%
55.6%	72.2	71.9	-0.3	-0.4%
56.8%	72.2	71.9	-0.3	-0.5%
58.0%	72.2	71.9	-0.3	-0.4%
59.3%	72.1	71.7	-0.4	-0.5%
60.5%	72.1	71.7	-0.3	-0.5%
61.7%	72.0	71.6	-0.4	-0.6%
63.0%	72.0	71.6	-0.4	-0.6%
64.2%	72.0	71.5	-0.5	-0.7%
65.4%	71.9	71.5	-0.4	-0.6%
66.7%	71.8	71.4	-0.4	-0.6%
67.9%	71.7	71.3	-0.4	-0.6%
69.1%	71.7	71.3	-0.4	-0.6%
70.4%	71.7	71.3	-0.4	-0.6%
71.6%	71.7	71.3	-0.4	-0.6%
72.8%	71.7	71.2	-0.5	-0.6%
74.1%	71.6	71.1	-0.5	-0.8%
75.3%	71.6	71.1	-0.6	-0.8%
76.5%	71.6	71.0	-0.6	-0.8%
77.8%	71.6	71.0	-0.6	-0.8%
79.0%	71.6	70.9	-0.7	-1.0%
80.2%	71.6	70.9	-0.7	-1.0%
81.5%	71.6	70.9	-0.7	-1.0%
82.7%	71.5	70.8	-0.7	-1.0%
84.0%	71.4	70.7	-0.7	-0.9%
85.2%	71.3	70.7	-0.6	-0.8%
86.4%	71.3	70.5	-0.8	-1.1%
87.7%	71.3	70.5	-0.8	-1.1%
88.9%	71.2	70.4	-0.8	-1.1%
90.1%	71.2	70.4	-0.8	-1.2%
91.4%	71.1	70.3	-0.8	-1.1%
92.6%	71.1	70.3	-0.9	-1.2%
93.8%	70.9	70.2	-0.7	-1.0%
95.1%	70.8	70.1	-0.7	-1.0%
96.3%	70.8	70.0	-0.8	-1.1%
97.5%	70.7	69.9	-0.8	-1.1%
98.8%	70.5	69.3	-1.2	-1.8%
100.0%	70.4	69.1	-1.3	-1.8%

August to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	80.2	79.7	-0.5	-0.6%
1.2%	79.9	78.8	-1.1	-1.3%
2.5%	78.4	77.5	-0.9	-1.1%
3.7%	77.8	77.0	-0.8	-1.0%
4.9%	77.5	76.6	-0.9	-1.2%
6.2%	76.9	76.6	-0.3	-0.4%
7.4%	76.9	76.4	-0.5	-0.6%
8.6%	76.7	76.2	-0.5	-0.7%
9.9%	76.7	76.2	-0.5	-0.7%
11.1%	76.7	76.1	-0.5	-0.7%
12.3%	76.5	75.7	-0.8	-1.1%
13.6%	76.3	75.4	-1.0	-1.3%
14.8%	75.9	75.3	-0.7	-0.9%
16.0%	75.6	75.2	-0.4	-0.6%
17.3%	75.6	75.2	-0.4	-0.6%
18.5%	75.5	75.0	-0.5	-0.7%
19.8%	75.2	74.9	-0.3	-0.4%
21.0%	75.2	74.4	-0.8	-1.0%
22.2%	75.1	74.4	-0.7	-1.0%
23.5%	75.1	74.2	-0.9	-1.2%
24.7%	75.0	74.2	-0.8	-1.1%
25.9%	74.8	74.1	-0.6	-0.9%
27.2%	74.4	73.9	-0.5	-0.7%
28.4%	74.4	73.9	-0.5	-0.7%
29.6%	74.4	73.7	-0.7	-0.9%
30.9%	74.2	73.7	-0.5	-0.7%
32.1%	74.2	73.4	-0.8	-1.1%
33.3%	74.2	73.4	-0.8	-1.1%
34.6%	74.1	73.4	-0.7	-0.9%
35.8%	74.0	73.3	-0.7	-0.9%
37.0%	73.9	73.2	-0.7	-1.0%
38.3%	73.8	73.0	-0.8	-1.1%
39.5%	73.8	73.0	-0.8	-1.0%
40.7%	73.7	73.0	-0.8	-1.0%
42.0%	73.7	72.9	-0.8	-1.0%
43.2%	73.5	72.9	-0.6	-0.8%
44.4%	73.4	72.8	-0.6	-0.8%
45.7%	73.4	72.8	-0.5	-0.7%
46.9%	73.2	72.8	-0.4	-0.6%
48.1%	73.1	72.7	-0.4	-0.5%
49.4%	73.0	72.7	-0.3	-0.4%
50.6%	73.0	72.7	-0.3	-0.4%
51.9%	72.9	72.7	-0.2	-0.3%
53.1%	72.8	72.6	-0.2	-0.3%
54.3%	72.7	72.5	-0.3	-0.4%
55.6%	72.7	72.4	-0.3	-0.4%
56.8%	72.7	72.3	-0.4	-0.6%
58.0%	72.6	72.3	-0.4	-0.5%
59.3%	72.5	72.2	-0.2	-0.3%
60.5%	72.5	72.1	-0.3	-0.5%
61.7%	72.4	71.9	-0.5	-0.8%
63.0%	72.4	71.6	-0.8	-1.1%
64.2%	72.4	71.6	-0.8	-1.1%
65.4%	72.4	71.6	-0.8	-1.1%
66.7%	72.4	71.6	-0.8	-1.1%
67.9%	72.3	71.6	-0.7	-1.0%
69.1%	72.3	71.5	-0.7	-1.0%
70.4%	72.2	71.5	-0.7	-1.0%
71.6%	72.1	71.4	-0.7	-1.0%
72.8%	72.1	71.3	-0.7	-1.0%
74.1%	71.9	71.3	-0.6	-0.9%
75.3%	71.8	71.3	-0.6	-0.8%
76.5%	71.8	71.2	-0.5	-0.8%
77.8%	71.8	71.1	-0.6	-0.9%
79.0%	71.7	71.0	-0.6	-0.9%
80.2%	71.4	71.0	-0.4	-0.6%
81.5%	71.4	70.9	-0.5	-0.8%
82.7%	71.4	70.8	-0.6	-0.8%
84.0%	71.3	70.7	-0.7	-0.9%
85.2%	71.3	70.4	-0.9	-1.2%
86.4%	71.2	70.3	-1.0	-1.3%
87.7%	71.2	70.2	-1.0	-1.4%
88.9%	71.1	70.2	-0.9	-1.2%
90.1%	71.0	70.1	-0.8	-1.1%
91.4%	71.0	70.1	-0.9	-1.2%
92.6%	70.9	69.7	-1.2	-1.7%
93.8%	70.9	69.6	-1.3	-1.8%
95.1%	70.7	69.6	-1.1	-1.6%
96.3%	70.7	69.5	-1.1	-1.6%
97.5%	70.4	69.5	-0.9	-1.3%
98.8%	70.4	69.3	-1.1	-1.6%
100.0%	70.3	68.8	-1.5	-2.1%

Figure SQ12-1b
Trinity River below Lewiston Dam, Monthly Temperature
Probability of Exceedance

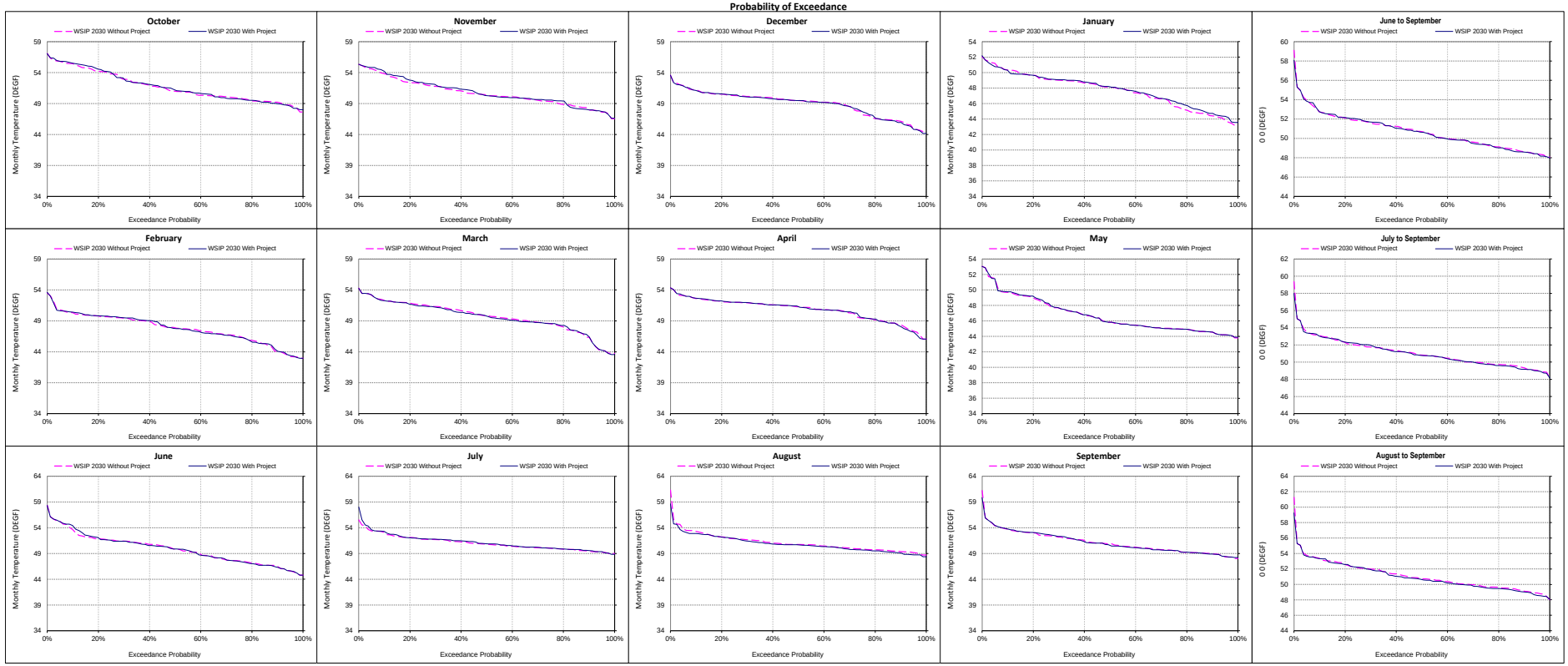


Table SQ12-1b

Trinity River below Lewiston Dam, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.1	57.1	0.0	0.0%
1.2%	56.3	56.4	0.1	0.1%
2.5%	56.0	56.3	0.3	0.6%
3.7%	55.9	56.0	0.1	0.2%
4.9%	55.8	55.8	0.0	0.0%
6.2%	55.6	55.8	0.2	0.3%
7.4%	55.5	55.8	0.3	0.5%
8.6%	55.5	55.7	0.2	0.3%
9.9%	55.5	55.5	0.1	0.1%
11.1%	55.2	55.4	0.2	0.4%
12.3%	55.1	55.4	0.3	0.6%
13.6%	54.8	55.2	0.4	0.8%
14.8%	54.8	55.2	0.4	0.8%
16.0%	54.8	55.0	0.3	0.5%
17.3%	54.6	55.0	0.4	0.8%
18.5%	54.3	54.8	0.5	0.9%
19.8%	54.2	54.6	0.3	0.6%
21.0%	54.2	54.5	0.3	0.6%
22.2%	54.2	54.2	0.1	0.1%
23.5%	54.0	54.2	0.2	0.4%
24.7%	53.8	54.1	0.3	0.5%
25.9%	53.8	53.7	-0.1	-0.1%
27.2%	53.7	53.2	-0.5	-1.0%
28.4%	53.2	53.2	0.0	-0.1%
29.6%	52.9	53.2	0.2	0.4%
30.9%	52.9	52.6	-0.3	-0.6%
32.1%	52.9	52.6	-0.3	-0.5%
33.3%	52.4	52.4	0.0	-0.1%
34.6%	52.4	52.4	0.0	0.0%
35.8%	52.4	52.3	0.0	-0.1%
37.0%	52.2	52.3	0.1	0.2%
38.3%	52.1	52.2	0.1	0.2%
39.5%	52.0	52.1	0.1	0.2%
40.7%	51.8	52.0	0.2	0.5%
42.0%	51.8	52.0	0.2	0.3%
43.2%	51.7	51.9	0.2	0.4%
44.4%	51.6	51.7	0.1	0.2%
45.7%	51.6	51.6	-0.1	-0.1%
46.9%	51.3	51.5	0.3	0.5%
48.1%	51.1	51.5	0.4	0.8%
49.4%	51.0	51.3	0.3	0.5%
50.6%	51.0	51.1	0.1	0.3%
51.9%	50.9	51.0	0.1	0.1%
53.1%	50.9	51.0	0.1	0.3%
54.3%	50.9	50.9	0.1	0.1%
55.6%	50.9	50.9	0.1	0.2%
56.8%	50.8	50.8	0.0	0.0%
58.0%	50.5	50.7	0.2	0.5%
59.3%	50.3	50.7	0.4	0.7%
60.5%	50.3	50.6	0.3	0.6%
61.7%	50.3	50.6	0.3	0.5%
63.0%	50.3	50.5	0.2	0.4%
64.2%	50.3	50.5	0.2	0.5%
65.4%	50.2	50.1	-0.1	-0.3%
66.7%	50.2	50.1	-0.1	-0.2%
67.9%	50.2	49.9	-0.2	-0.5%
69.1%	50.1	49.9	-0.2	-0.4%
70.4%	50.1	49.8	-0.3	-0.6%
71.6%	50.0	49.8	-0.2	-0.4%
72.8%	50.0	49.8	-0.2	-0.4%
74.1%	49.9	49.8	-0.1	-0.3%
75.3%	49.9	49.7	-0.2	-0.3%
76.5%	49.8	49.7	-0.1	-0.2%
77.8%	49.7	49.6	-0.1	-0.3%
79.0%	49.6	49.5	0.0	-0.1%
80.2%	49.4	49.5	0.1	0.2%
81.5%	49.4	49.5	0.1	0.2%
82.7%	49.4	49.3	-0.1	-0.1%
84.0%	49.4	49.2	-0.1	-0.3%
85.2%	49.4	49.2	-0.1	-0.3%
86.4%	49.3	49.2	-0.1	-0.2%
87.7%	49.3	49.1	-0.3	-0.5%
88.9%	49.2	49.0	-0.2	-0.4%
90.1%	49.2	49.0	-0.2	-0.5%
91.4%	49.1	48.9	-0.1	-0.3%
92.6%	48.9	48.8	-0.1	-0.1%
93.8%	48.8	48.7	0.0	0.0%
95.1%	48.8	48.6	-0.2	-0.4%
96.3%	48.5	48.2	-0.2	-0.5%
97.5%	48.3	48.2	0.0	-0.1%
98.8%	47.6	48.0	0.4	0.8%
100.0%	47.6	48.0	0.0	0.8%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.3	55.4	0.0	0.0%
1.2%	55.1	55.1	0.0	0.0%
2.5%	54.9	55.0	0.1	0.2%
3.7%	54.6	54.9	0.2	0.5%
4.9%	54.6	54.9	0.2	0.4%
6.2%	54.4	54.8	0.4	0.7%
7.4%	54.3	54.6	0.3	0.5%
8.6%	54.0	54.5	0.5	1.0%
9.9%	53.8	54.3	0.4	0.8%
11.1%	53.7	53.7	0.0	0.0%
12.3%	53.3	53.7	0.4	0.7%
13.6%	53.3	53.5	0.2	0.5%
14.8%	53.1	53.5	0.4	0.8%
16.0%	52.9	53.4	0.5	1.0%
17.3%	52.6	53.4	0.8	1.6%
18.5%	52.5	53.0	0.5	1.0%
19.8%	52.4	52.8	0.4	0.7%
21.0%	52.4	52.7	0.4	0.7%
22.2%	52.4	52.5	0.2	0.3%
23.5%	52.3	52.4	0.2	0.3%
24.7%	52.2	52.4	0.2	0.3%
25.9%	52.0	52.3	0.2	0.4%
27.2%	51.9	52.2	0.3	0.6%
28.4%	51.9	52.2	0.3	0.6%
29.6%	51.8	52.1	0.3	0.7%
30.9%	51.8	51.8	0.1	0.1%
32.1%	51.7	51.7	0.0	-0.1%
33.3%	51.4	51.7	0.3	0.5%
34.6%	51.3	51.6	0.2	0.4%
35.8%	51.3	51.6	0.3	0.5%
37.0%	51.2	51.5	0.3	0.6%
38.3%	51.1	51.5	0.4	0.8%
39.5%	51.1	51.3	0.2	0.5%
40.7%	51.0	51.3	0.3	0.7%
42.0%	50.7	51.2	0.5	1.0%
43.2%	50.6	51.1	0.5	1.0%
44.4%	50.6	51.1	0.5	0.9%
45.7%	50.6	50.8	0.2	0.4%
46.9%	50.6	50.6	0.0	0.0%
48.1%	50.5	50.5	0.0	0.0%
49.4%	50.4	50.3	-0.1	-0.3%
50.6%	50.3	50.2	0.0	-0.1%
51.9%	50.3	50.2	0.0	-0.1%
53.1%	50.2	50.2	-0.1	-0.2%
54.3%	50.2	50.1	-0.1	-0.3%
55.6%	50.1	50.0	-0.1	-0.3%
56.8%	50.1	50.0	-0.1	-0.3%
58.0%	50.1	50.0	-0.1	-0.2%
59.3%	50.1	49.9	-0.1	-0.3%
60.5%	50.1	49.9	-0.1	-0.3%
61.7%	50.0	49.9	-0.1	-0.2%
63.0%	49.9	49.9	0.0	-0.1%
64.2%	49.9	49.9	0.0	-0.1%
65.4%	49.8	49.8	0.0	0.1%
66.7%	49.7	49.8	0.1	0.3%
67.9%	49.7	49.7	0.0	0.0%
69.1%	49.6	49.7	0.1	0.1%
70.4%	49.5	49.7	0.2	0.3%
71.6%	49.4	49.6	0.2	0.5%
72.8%	49.4	49.6	0.2	0.4%
74.1%	49.4	49.6	0.2	0.4%
75.3%	49.3	49.6	0.2	0.5%
76.5%	49.3	49.5	0.2	0.4%
77.8%	49.0	49.4	0.4	0.8%
79.0%	48.9	49.4	0.5	1.1%
80.2%	48.9	49.4	0.5	1.1%
81.5%	48.8	48.7	-0.1	-0.1%
82.7%	48.8	48.4	-0.4	-0.8%
84.0%	48.6	48.3	-0.3	-0.7%
85.2%	48.6	48.2	-0.4	-0.8%
86.4%	48.4	48.1	-0.3	-0.6%
87.7%	48.4	48.1	-0.2	-0.5%
88.9%	48.3	48.1	-0.3	-0.6%
90.1%	47.9	48.0	0.0	0.0%
91.4%	47.9	48.0	0.0	0.0%
92.6%	47.9	47.9	0.0	-0.1%
93.8%	47.7	47.9	0.1	0.2%
95.1%	47.6	47.7	0.1	0.2%
96.3%	47.6	47.6	0.0	0.1%
97.5%	47.4	47.3	-0.1	-0.3%
98.8%	46.6	46.6	0.1	0.2%
100.0%	46.6	46.6	0.1	0.2%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.6	53.6	0.0	0.0%
1.2%	52.4	52.4	0.0	0.0%
2.5%	52.3	52.1	-0.2	-0.5%
3.7%	52.0	52.0	0.0	0.0%
4.9%	51.9	51.8	-0.1	-0.2%
6.2%	51.8	51.6	-0.2	-0.3%
7.4%	51.3	51.5	0.2	0.5%
8.6%	51.3	51.2	-0.1	-0.1%
9.9%	51.2	51.1	-0.1	-0.2%
11.1%	51.1	51.0	-0.1	-0.2%
12.3%	50.8	50.8	0.0	0.0%
13.6%	50.7	50.8	0.1	0.1%
14.8%	50.7	50.8	0.1	0.1%
16.0%	50.6	50.7	0.0	0.1%
17.3%	50.5	50.6	0.1	0.1%
18.5%	50.5	50.6	0.1	0.1%
19.8%	50.5	50.6	0.0	0.1%
21.0%	50.5	50.5	0.0	0.0%
22.2%	50.4	50.5	0.1	0.2%
23.5%	50.3	50.4	0.1	0.2%
24.7%	50.3	50.4	0.1	0.2%
25.9%	50.3	50.4	0.1	0.2%
27.2%	50.2	50.2	0.0	-0.1%
28.4%	50.2	50.1	-0.1	-0.2%
29.6%	50.2	50.1	-0.1	-0.2%
30.9%	50.2	50.0	-0.1	-0.2%
32.1%	50.1	50.0	0.0	-0.1%
33.3%	50.1	50.0	0.0	-0.1%
34.6%	50.1	50.0	-0.1	-0.1%
35.8%	50.1	50.0	-0.1	-0.2%
37.0%	50.0	49.9	-0.1	-0.2%
38.3%	50.0	49.8	-0.2	-0.3%
39.5%	49.9	49.8	-0.2	-0.3%
40.7%	49.9	49.8	-0.2	-0.3%
42.0%	49.7	49.7	-0.1	-0.1%
43.2%	49.7	49.7	0.0	-0.1%
44.4%	49.7	49.7	0.0	-0.1%
45.7%	49.6	49.6	0.0	0.0%
46.9%	49.6	49.5	0.0	-0.1%
48.1%	49.5	49.5	0.0	0.1%
49.4%	49.5	49.5	0.0	0.0%
50.6%	49.5	49.5	0.0	0.0%
51.9%	49.4	49.5	0.0	0.1%
53.1%	49.4	49.3	-0.1	-0.2%
54.3%	49.4	49.3	-0.1	-0.3%
55.6%	49.4	49.3	-0.1	-0.2%
56.8%	49.3	49.3	-0.1	-0.1%
58.0%	49.3	49.2	-0.1	-0.1%
59.3%	49.2	49.2	0.0	-0.1%
60.5%	49.2	49.2	0.0	-0.1%
61.7%	49.2	49.1	-0.1	-0.1%
63.0%	49.2	49.1	-0.1	-0.1%
64.2%	49.2	49.0	-0.1	-0.3%
65.4%	49.0	49.0	0.0	-0.1%
66.7%	49.0	48.8	-0.2	-0.4%
67.9%	48.9	48.7	-0.2	-0.4%
69.1%	48.6	48.6	0.0	0.0%
70.4%	48.5	48.5	0.0	0.0%
71.6%	48.0	48.2	0.2	0.5%
72.8%	47.8	48.1	0.3	0.7%
74.1%	47.8	47.9	0.1	0.2%
75.3%	47.2	47.6	0.5	1.0%
76.5%	47.1	47.5	0.4	0.8%
77.8%	47.0	47.2	0.2	0.3%
79.0%	46.6	47.1	0.5	1.0%
80.2%	46.6	46.6	0.0	0.1%
81.5%	46.5	46.5	0.1	0.1%
82.7%	46.4	46.4	-0.1	-0.1%
84.0%	46.4	46.3	-0.1	-0.2%
85.2%	46.4	46.3	-0.1	-0.2%
86.4%	46.3	46.3	-0.1	-0.2%
87.7%	46.3	46.2	-0.1	-0.3%
88.9%	46.2	45.9	-0.3	-0.6%
90.1%	46.1	45.9	-0.2	-0.4%
91.4%	45.9	45.6	-0.3	-0.7%
92.6%	45.6	45.5	-0.1	-0.3%
93.8%	45.6	45.3	-0.2	-0.5%
95.1%	44.9	44.8	-0.1	-0.2%
96.3%	44.8	44.8	0.0	-0.1%
97.5%	44.7	44.5	-0.1	-0.3%
98.8%	44.5	44.2	-0.3	-0.6%
100.0%	44.5	44.2	-0.3	-0.6%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.1	52.2	0.1	0.3%
1.2%	51.6	51.6	0.0	0.0%
2.5%	51.5	51.3	-0.2	-0.4%
3.7%	51.3	51.0	-0.3	-0.5%
4.9%	51.2	50.8	-0.4	-0.9%
6.2%	50.8	50.7	0.0	0.0%
7.4%	50.7	50.6	-0.1	-0.1%
8.6%	50.4	50.4	0.0	-0.1%
9.9%	50.3	50.3	0.0	0.0%
11.1%	50.3	49.9	-0.5	-0.9%
12.3%	50.3	49.8	-0.4	-0.9%
13.6%	50.2	49.8	-0.4	-0.7%
14.8%	49.9	49.8	-0.1	-0.1%
16.0%	49.8	49.8	0.0	0.0%
17.3%	49.8	49.7	-0.1	-0.1%
18.5%	49.7	49.7	0.0	0.1%
19.8%	49.7	49.7	0.0	0.0%
21.0%	49.6	49.6	-0.1	-0.1%
22.2%	49.3	49.4	0.2	0.3%
23.5%	49.2	49.4	0.1	0.3%
24.7%	49.2	49.3	0.1	0.3%
25.9%	49.1	49.2	0.0	0.1%
27.2%	49.1	49.1	0.1	0.1%
28.4%	49.1	49.1	0.1	0.1%
29.6%	49.0	49.1	0.1	0.1%
30.9%	49.0	49.1	0.1	0.2%
32.1%	49.0	49.1	0.1	0.2%
33.3%	49.0	49.0	0.1	0.1%
34.6%	48.9	49.0	0.1	0.1%
35.8%	48.9	49.0	0.1	0.2%
37.0%	48.8	49.0	0.2	0.3%
38.3%	48.8	48.9	0.1	0.3%
39.5%	48.7	48.8	0.1	0.2%
40.7%	48.6	48.8	0.1	0.3%
42.0%	48.6	48.7	0.1	0.2%
43.2%	48.6	48.6	0.1	0.1%
44.4%	48.5	48.6	0.2	0.3%
45.7%	48.3	48.3	0.0	-0.1%
46.9%	48.2	48.2	0.0	0.1%
48.1%	48.2	48.2	0.1	0.2%
49.4%	48.2	48.2	0.1	0.2%
50.6%	48.1	48.1	0.0	0.0%
51.9%	48.1	48.1	0.0	0.1%
53.1%	47.9	48.0	0.0	0.1%
54.3%	47.9	47.9	0.0	0.0%
55.6%	47.9	47.9	0.0	0.0%
56.8%	47.7	47.7	0.0	-0.1%
58.0%	47.7	47.7	0.0	0.1%
59.3%	47.4	47.6	0.2	0.5%
60.5%	47.4	47.5	0.1	0.3%
61.7%	47.3	47.4	0.1	0.2%
63.0%	47.3	47.4	0.1	0.3%
64.2%	47.2	47.3	0.1	0.2%
65.4%	46.8	47.1	0.4	0.8%
66.7%	46.7	47.0	0.3	0.7%
67.9%	46.7	46.8	0.1	0.3%
69.1%	46.6	46.7	0.0	0.1%
70.4%	46.6	46.7	0.0	0.1%
71.6%	46.6	46.6	0.0	0.0%
72.8%	46.4	46.5	0.2	0.4%
74.1%	45.8	46.4	0.5	1.2%
75.3%	45.6	46.3	0.7	1.5%
76.5%	45.6	46.1	0.5	1.1%
77.8%	45.4	46.0	0.6	1.4%
79.0%	45.2	45.8	0.6	1.4%
80.2%	45.1	45.7	0.6	1.3%
81.5%	44.9	45.5	0.6	1.3%
82.7%	44.8	45.3	0.5	1.1%
84.0%	44.8	45.3	0.5	1.0%
85.2%	44.7	45.2	0.4	1.0%
86.4%	44.7	45.0	0.3	0.7%
87.7%	44.7	44.9	0.2	0.4%
88.9%	44.5	44.7	0.3	0.6%
90.1%	44.4	44.7	0.3	0.7%
91.4%	44.4	44.5	0.2	0.4%
92.6%	44.2	44.4	0.2	0.5%
93.8%	44.1	44.4	0.2	0.6%
95.1%	43.8	44.4	0.6	1.3%
96.3%	43.6	44.2	0.6	1.3%
97.5%	43.4	43.6	0.2	0.4%
98.8%	43.2	43.6	0.4	0.9%
100.0%	43.2	43.6	0.4	0.9%

Table SQ12-1b

Trinity River below Lewiston Dam, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.5	53.6	0.1	0.2%
1.2%	53.0	53.0	0.0	0.0%
2.5%	52.1	51.9	-0.2	-0.5%
3.7%	50.9	50.7	-0.2	-0.3%
4.9%	50.8	50.6	-0.2	-0.3%
6.2%	50.6	50.6	-0.1	-0.1%
7.4%	50.4	50.6	0.1	0.2%
8.6%	50.3	50.4	0.1	0.2%
9.9%	50.3	50.4	0.1	0.2%
11.1%	50.1	50.3	0.3	0.5%
12.3%	50.1	50.3	0.2	0.5%
13.6%	50.0	50.2	0.1	0.3%
14.8%	49.9	50.0	0.1	0.1%
16.0%	49.9	50.0	0.1	0.2%
17.3%	49.9	49.9	0.0	-0.1%
18.5%	49.8	49.9	0.0	0.1%
19.8%	49.8	49.8	0.0	0.0%
21.0%	49.7	49.8	0.1	0.2%
22.2%	49.7	49.8	0.1	0.2%
23.5%	49.7	49.8	0.1	0.2%
24.7%	49.6	49.7	0.1	0.1%
25.9%	49.6	49.7	0.1	0.1%
27.2%	49.5	49.6	0.1	0.2%
28.4%	49.5	49.5	0.0	0.0%
29.6%	49.5	49.5	0.1	0.2%
30.9%	49.4	49.5	0.0	0.1%
32.1%	49.4	49.5	0.1	0.2%
33.3%	49.1	49.4	0.3	0.6%
34.6%	49.1	49.3	0.1	0.3%
35.8%	49.1	49.2	0.1	0.2%
37.0%	49.0	49.1	0.1	0.1%
38.3%	49.0	49.1	0.1	0.2%
39.5%	48.9	49.0	0.1	0.2%
40.7%	48.8	49.0	0.2	0.5%
42.0%	48.4	48.9	0.5	1.1%
43.2%	48.3	48.8	0.5	1.0%
44.4%	48.3	48.3	0.1	0.2%
45.7%	48.1	48.3	0.3	0.6%
46.9%	48.0	48.0	0.0	-0.1%
48.1%	48.0	47.9	0.0	-0.1%
49.4%	47.9	47.8	-0.2	-0.3%
50.6%	47.8	47.8	-0.1	-0.1%
51.9%	47.8	47.7	0.0	-0.1%
53.1%	47.7	47.6	-0.1	-0.2%
54.3%	47.7	47.6	-0.1	-0.2%
55.6%	47.6	47.6	-0.1	-0.1%
56.8%	47.6	47.4	-0.2	-0.5%
58.0%	47.6	47.3	-0.3	-0.6%
59.3%	47.4	47.3	-0.2	-0.3%
60.5%	47.3	47.1	-0.2	-0.5%
61.7%	47.3	47.0	-0.2	-0.5%
63.0%	47.2	47.0	-0.2	-0.5%
64.2%	47.2	46.9	-0.3	-0.5%
65.4%	47.0	46.9	-0.1	-0.2%
66.7%	46.9	46.9	0.0	-0.1%
67.9%	46.9	46.8	-0.1	-0.1%
69.1%	46.8	46.7	-0.1	-0.2%
70.4%	46.7	46.7	-0.1	-0.2%
71.6%	46.7	46.6	-0.1	-0.2%
72.8%	46.7	46.5	-0.2	-0.4%
74.1%	46.5	46.4	-0.1	-0.2%
75.3%	46.5	46.3	-0.1	-0.3%
76.5%	46.3	46.3	0.0	-0.1%
77.8%	46.1	46.1	0.0	0.1%
79.0%	45.9	45.9	0.0	0.0%
80.2%	45.8	45.5	-0.3	-0.6%
81.5%	45.7	45.5	-0.2	-0.4%
82.7%	45.6	45.4	-0.2	-0.4%
84.0%	45.4	45.3	0.0	0.0%
85.2%	45.3	45.3	0.0	0.0%
86.4%	45.0	45.3	0.3	0.6%
87.7%	44.8	45.1	0.2	0.5%
88.9%	44.1	44.5	0.4	0.8%
90.1%	44.0	44.1	0.0	0.1%
91.4%	44.0	44.0	0.0	-0.1%
92.6%	43.7	44.0	0.2	0.5%
93.8%	43.5	43.5	0.1	0.1%
95.1%	43.2	43.4	0.1	0.3%
96.3%	43.2	43.3	0.1	0.2%
97.5%	43.2	43.1	-0.1	-0.3%
98.8%	43.0	43.0	0.0	0.0%
100.0%	43.0	43.0	0.0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.3	54.3	0.0	0.0%
1.2%	53.4	53.4	0.0	0.0%
2.5%	53.4	53.4	0.0	0.0%
3.7%	53.4	53.4	0.0	0.0%
4.9%	53.2	53.2	0.0	0.0%
6.2%	52.8	52.8	0.0	0.1%
7.4%	52.5	52.5	0.0	0.0%
8.6%	52.5	52.3	-0.2	-0.3%
9.9%	52.3	52.3	0.0	-0.1%
11.1%	52.2	52.2	0.0	0.0%
12.3%	52.2	52.2	0.0	0.0%
13.6%	52.1	52.0	0.0	0.0%
14.8%	52.0	52.0	0.0	0.0%
16.0%	52.0	52.0	0.0	0.0%
17.3%	52.0	51.9	0.0	-0.1%
18.5%	52.0	51.9	0.0	-0.1%
19.8%	51.9	51.7	-0.2	-0.4%
21.0%	51.8	51.6	-0.1	-0.3%
22.2%	51.7	51.5	-0.2	-0.4%
23.5%	51.6	51.4	-0.2	-0.4%
24.7%	51.6	51.4	-0.2	-0.4%
25.9%	51.6	51.4	-0.2	-0.4%
27.2%	51.4	51.3	-0.1	-0.2%
28.4%	51.3	51.3	0.0	-0.1%
29.6%	51.3	51.3	-0.1	-0.1%
30.9%	51.3	51.1	-0.2	-0.3%
32.1%	51.3	51.1	-0.1	-0.3%
33.3%	51.1	51.0	-0.1	-0.3%
34.6%	51.0	50.8	-0.2	-0.4%
35.8%	50.9	50.8	-0.1	-0.1%
37.0%	50.8	50.5	-0.3	-0.6%
38.3%	50.8	50.4	-0.4	-0.8%
39.5%	50.7	50.4	-0.3	-0.6%
40.7%	50.6	50.4	-0.2	-0.5%
42.0%	50.5	50.2	-0.3	-0.6%
43.2%	50.4	50.2	-0.2	-0.5%
44.4%	50.3	50.1	-0.3	-0.5%
45.7%	50.0	50.0	0.0	0.0%
46.9%	50.0	50.0	0.0	0.0%
48.1%	49.9	50.0	0.1	0.2%
49.4%	49.9	49.9	0.0	0.0%
50.6%	49.8	49.7	-0.1	-0.2%
51.9%	49.7	49.5	-0.2	-0.4%
53.1%	49.7	49.5	-0.2	-0.5%
54.3%	49.6	49.4	-0.2	-0.4%
55.6%	49.5	49.4	-0.1	-0.3%
56.8%	49.5	49.3	-0.2	-0.3%
58.0%	49.4	49.2	-0.2	-0.4%
59.3%	49.3	49.1	-0.2	-0.5%
60.5%	49.3	49.1	-0.2	-0.5%
61.7%	49.2	49.0	-0.2	-0.4%
63.0%	49.1	48.9	-0.2	-0.4%
64.2%	49.1	48.9	-0.2	-0.4%
65.4%	49.1	48.8	-0.2	-0.4%
66.7%	48.9	48.8	-0.1	-0.1%
67.9%	48.9	48.8	0.0	-0.1%
69.1%	48.8	48.7	-0.1	-0.2%
70.4%	48.7	48.7	0.0	0.0%
71.6%	48.7	48.7	0.0	0.0%
72.8%	48.6	48.6	0.0	0.0%
74.1%	48.6	48.6	0.0	0.0%
75.3%	48.5	48.6	0.1	0.1%
76.5%	48.4	48.6	0.2	0.4%
77.8%	48.3	48.4	0.1	0.2%
79.0%	48.1	48.3	0.2	0.3%
80.2%	48.0	48.3	0.3	0.5%
81.5%	47.5	48.0	0.5	1.0%
82.7%	47.5	47.5	0.0	-0.1%
84.0%	47.4	47.5	0.1	0.2%
85.2%	47.2	47.4	0.2	0.5%
86.4%	47.1	47.1	0.0	0.0%
87.7%	46.9	46.9	0.1	0.1%
88.9%	46.4	46.8	0.5	1.0%
90.1%	46.3	46.4	0.1	0.2%
91.4%	45.5	45.5	0.0	0.0%
92.6%	44.8	44.8	0.0	0.0%
93.8%	44.3	44.4	0.1	0.2%
95.1%	44.3	44.3	-0.1	-0.1%
96.3%	44.1	44.1	0.0	0.0%
97.5%	43.8	43.7	-0.1	-0.2%
98.8%	43.8	43.6	-0.2	-0.4%
100.0%	43.8	43.6	-0.2	-0.4%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.3	54.3	0.0	0.0%
1.2%	54.0	54.0	0.0	0.0%
2.5%	53.3	53.4	0.1	0.1%
3.7%	53.1	53.4	0.2	0.5%
4.9%	53.1	53.1	0.0	0.0%
6.2%	53.0	53.0	0.0	0.0%
7.4%	52.9	53.0	0.0	0.0%
8.6%	52.7	52.7	0.0	0.0%
9.9%	52.6	52.7	0.1	0.1%
11.1%	52.6	52.6	0.0	0.0%
12.3%	52.5	52.6	0.1	0.2%
13.6%	52.4	52.5	0.1	0.2%
14.8%	52.4	52.4	0.1	0.1%
16.0%	52.3	52.4	0.0	0.1%
17.3%	52.2	52.3	0.0	0.1%
18.5%	52.2	52.2	0.0	0.0%
19.8%	52.1	52.2	0.1	0.1%
21.0%	52.1	52.1	0.1	0.2%
22.2%	52.0	52.1	0.1	0.2%
23.5%	52.0	52.0	0.0	0.0%
24.7%	52.0	52.0	0.0	0.0%
25.9%	52.0	52.0	0.0	0.0%
27.2%	52.0	52.0	0.0	0.1%
28.4%	51.9	52.0	0.0	0.1%
29.6%	51.9	52.0	0.0	0.1%
30.9%	51.9	51.9	0.0	0.1%
32.1%	51.8	51.8	0.0	0.0%
33.3%	51.8	51.8	0.0	0.0%
34.6%	51.8	51.8	0.0	0.0%
35.8%	51.8	51.8	0.0	0.0%
37.0%	51.6	51.7	0.1	0.1%
38.3%	51.6	51.6	0.0	0.0%
39.5%	51.6	51.6	0.0	0.0%
40.7%	51.6	51.6	0.0	0.0%
42.0%	51.5	51.6	0.0	0.1%
43.2%	51.5	51.6	0.1	0.1%
44.4%	51.5	51.5	0.0	0.0%
45.7%	51.4	51.5	0.0	0.1%
46.9%	51.4	51.4	0.0	0.0%
48.1%	51.4	51.4	0.1	0.1%
49.4%	51.3	51.4	0.1	0.2%
50.6%	51.3	51.2	-0.1	-0.2%
51.9%	51.2	51.2	0.0	-0.1%
53.1%	51.2	51.1	-0.1	-0.1%
54.3%	51.2	50.9	-0.2	-0.5%
55.6%	51.0	50.9	-0.2	-0.3%
56.8%	50.9	50.9	0.0	0.0%
58.0%	50.9	50.9	0.0	0.0%
59.3%	50.9	50.8	-0.1	-0.1%
60.5%	50.8	50.8	-0.1	-0.1%
61.7%	50.8	50.8	0.0	0.0%
63.0%	50.7	50.7	0.0	0.0%
64.2%	50.7	50.7	0.0	0.0%
65.4%	50.7	50.7	0.0	0.0%
66.7%	50.7	50.5	-0.1	-0.2%
67.9%	50.5	50.5	0.0	-0.1%
69.1%	50.3	50.5	0.1	0.2%
70.4%	50.3	50.5	0.2	0.4%
71.6%	50.3	50.3	0.0	0.0%
72.8%	49.6	50.2	0.6	1.2%
74.1%	49.5	49.6	0.1	0.2%
75.3%	49.4	49.5	0.1	0.2%
76.5%	49.4	49.4	0.0	0.0%
77.8%	49.4	49.4	0.0	0.0%
79.0%	49.3	49.3	0.0	0.0%
80.2%	49.1	49.3	0.2	0.3%
81.5%	49.1	49.0	-0.1	-0.2%
82.7%	49.0	48.9	-0.1	-0.2%
84.0%	48.8	48.9	0.0	0.1%
85.2%	48.8	48.7	-0.1	-0.3%
86.4%	48.6	48.6	0.0	0.0%
87.7%	48.6	48.6	0.0	0.0%
88.9%	48.4	48.3	-0.1	-0.2%
90.1%	48.4	48.1	-0.3	-0.6%
91.4%	48.1	47.7	-0.3	-0.7%
92.6%	47.7	47.6	-0.2	-0.4%
93.8%	47.6	47.3	-0.2	-0.5%
95.1%	47.3	47.2	-0.2	-0.3%
96.3%	47.2	46.7	-0.5	-1.0%
97.5%	46.7	46.2	-0.5	-1.1%
98.8%	46.0	46.1	0.0	0.0%
100.0%	46.0	46.1	0.0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.0	53.0	0.0	0.0%
1.2%	52.9	52.9	0.0	0.0%
2.5%	51.7	52.1	0.4	0.7%
3.7%	51.6	51.5	-0.1	-0.2%
4.9%	51.5	51.4	-0.1	-0.1%
6.2%	50.2	49.9	-0.3	-0.6%
7.4%	49.8	49.8	0.0	0.1%
8.6%	49.7	49.8	0.1	0.1%
9.9%	49.7	49.8	0.1	0.2%
11.1%	49.7	49.7	0.1	0.1%
12.3%	49.5	49.6	0.1	0.3%
13.6%	49.3	49.5	0.2	0.3%
14.8%	49.3	49.4	0.1	0.2%
16.0%	49.2	49.3	0.1	0.1%
17.3%	49.2	49.3	0.1	0.1%
18.5%	49.2	49.2	0.0	0.1%
19.8%	49.0	49.2	0.2	0.4%
21.0%	48.8	49.0	0.1	0.3%
22.2%	48.7	48.8	0.2	0.3%
23.5%	48.4	48.7	0.3	0.6%
24.7%	48.3	48.3	0.0	0.1%
25.9%	48.1	48.3	0.2	0.4%
27.2%	47.7	47.9	0.2	0.4%
28.4%	47.7	47.8	0.1	0.1%
29.6%	47.7	47.7	0.0	0.0%
30.9%	47.5	47.6	0.0	0.0%
32.1%	47.5	47.5	0.0	-0.1%
33.3%	47.3	47.4	0.0	0.1%
34.6%	47.2	47.3	0.1	0.1%
35.8%	47.2	47.2	-0.1	-0.1%
37.0%	47.1	47.1	0.0	0.0%
38.3%	47.0	46.9	0.0	-0.1%
39.5%	46.8	46.8	0.0	0.0%
40.7%	46.7	46.8	0.1	0.3%
42.0%	46.7	46.7	0.0	0.1%
43.2%	46.6	46.5	0.0	0.0%
44.4%	46.4	46.4	0.0	0.0%
45.7%	46.4	46.4	0.0	0.0%
46.9%	46.1	46.0	-0.1	-0.2%
48.1%	45.9	45.9	0.0	0.0%
49.4%	45.8	45.8	0.0	0.0%
50.6%	45.8	45.8	0.0	0.0%
51.9%	45.7	45.7	0.1	0.1%
53.1%	45.7	45.7	0.0	0.0%
54.3%	45.6	45.6	0.0	0.0%
55.6%	45.6	45.6	0.0	0.0%
56.8%	45.6	45.6	0.0	0.0%
58.0%	45.5	45.4	0.0	-0.1%
59.3%	45.5	45.4	0.0	0.0%
60.5%	45.4	45.4	0.0	0.0%
61.7%	45.4	45.4	0.0	0.1%
63.0%	45.3	45.3	0.0	0.0%
64.2%	45.3	45.2	0.0	-0.1%
65.4%	45.2	45.2	0.0	0.1%
66.7%	45.2	45.1	0.0	-0.1%
67.9%	45.1	45.1	0.0	-0.1%
69.1%	45.1	45.1	0.0	-0.1%
70.4%	45.1	45.0	0.0	0.0%
71.6%	45.1	45.0	-0.1	-0.1%
72.8%	45.0	45.0	-0.1	-0.1%
74.1%	45.0	45.0	-0.1	-0.2%
75.3%	45.0	45.0	0.0	0.0%
76.5%	44.9	44.9	0.0	0.0%
77.8%	44.9	44.9	0.0	0.0%
79.0%	44.9	44.9	0.0	0.0%
80.2%	44.9	44.9	0.0	0.0%
81.5%	44.8	44.8	0.0	0.0%
82.7%	44.8	44.7	0.0	-0.1%
84.0%	44.7	44.7	0.0	0.0%
85.2%	44.6	44.7	0.1	0.1%
86.4%	44.6	44.7	0.0	0.1%
87.7%	44.6	44.6	0.0	0.0%
88.9%	44.6	44.6	0.0	0.0%
90.1%	44.5	44.5	0.0	0.0%
91.4%	44.3	44.3	0.0	0.0%
92.6%	44.2	44.2	0.0	0.0%
93.8%	44.2	44.2	0.0	0.0%
95.1%	44.2	44.2	0.0	0.0%
96.3%	44.2	44.2	0.0	0.0%
97.5%	44.1	44.1	0.0	-0.1%
98.8%	43.8	43.9	0.1	0.2%
100.0%	43.8	43.9	0.1	0.2%

Table SQ12-1b

Trinity River below Lewiston Dam, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.4	58.4	0.0	0.0%
1.2%	56.1	56.1	0.0	0.0%
2.5%	55.7	55.7	0.0	0.0%
3.7%	55.4	55.5	0.1	0.2%
4.9%	55.3	55.2	-0.1	-0.2%
6.2%	54.7	54.9	0.2	0.3%
7.4%	54.6	54.7	0.1	0.1%
8.6%	54.1	54.7	0.6	1.1%
9.9%	53.7	54.5	0.8	1.5%
11.1%	53.0	53.7	0.7	1.3%
12.3%	52.5	53.4	0.9	1.8%
13.6%	52.4	53.1	0.7	1.3%
14.8%	52.2	52.6	0.4	0.7%
16.0%	52.2	52.5	0.3	0.5%
17.3%	52.1	52.3	0.2	0.4%
18.5%	51.9	52.2	0.3	0.6%
19.8%	51.8	52.1	0.3	0.5%
21.0%	51.8	51.7	-0.1	-0.2%
22.2%	51.8	51.7	-0.1	-0.1%
23.5%	51.7	51.6	0.0	-0.1%
24.7%	51.6	51.6	0.0	0.0%
25.9%	51.6	51.4	-0.2	-0.4%
27.2%	51.4	51.4	0.0	-0.1%
28.4%	51.4	51.4	0.0	-0.1%
29.6%	51.4	51.4	0.0	-0.1%
30.9%	51.4	51.4	0.0	0.0%
32.1%	51.3	51.2	-0.1	-0.3%
33.3%	51.2	51.2	0.0	-0.1%
34.6%	51.2	51.1	-0.1	-0.1%
35.8%	51.0	51.0	-0.1	-0.1%
37.0%	51.0	50.8	-0.2	-0.3%
38.3%	51.0	50.8	-0.2	-0.4%
39.5%	50.8	50.5	-0.3	-0.5%
40.7%	50.8	50.5	-0.2	-0.5%
42.0%	50.8	50.5	-0.2	-0.5%
43.2%	50.6	50.4	-0.2	-0.5%
44.4%	50.5	50.4	-0.1	-0.3%
45.7%	50.5	50.4	-0.1	-0.2%
46.9%	50.2	50.3	0.0	0.1%
48.1%	50.1	50.0	-0.2	-0.4%
49.4%	49.9	49.9	0.0	0.0%
50.6%	49.8	49.9	0.1	0.1%
51.9%	49.8	49.8	0.1	0.1%
53.1%	49.5	49.8	0.3	0.6%
54.3%	49.5	49.7	0.2	0.4%
55.6%	49.3	49.5	0.2	0.4%
56.8%	49.3	49.3	0.1	0.1%
58.0%	49.2	49.2	0.0	-0.1%
59.3%	49.2	48.7	-0.5	-1.0%
60.5%	48.6	48.6	0.0	0.0%
61.7%	48.6	48.6	-0.1	-0.1%
63.0%	48.6	48.5	-0.1	-0.1%
64.2%	48.5	48.4	-0.1	-0.3%
65.4%	48.1	48.2	0.1	0.1%
66.7%	48.1	48.2	0.0	0.1%
67.9%	48.0	48.2	0.2	0.3%
69.1%	47.9	48.0	0.1	0.2%
70.4%	47.7	47.7	0.0	0.0%
71.6%	47.7	47.7	0.0	-0.1%
72.8%	47.6	47.6	0.0	0.0%
74.1%	47.6	47.6	-0.1	-0.1%
75.3%	47.5	47.4	-0.1	-0.3%
76.5%	47.5	47.3	-0.1	-0.3%
77.8%	47.4	47.3	-0.1	-0.2%
79.0%	47.3	47.1	-0.2	-0.4%
80.2%	47.1	47.0	0.0	-0.1%
81.5%	47.1	46.9	-0.2	-0.4%
82.7%	46.9	46.7	-0.2	-0.4%
84.0%	46.8	46.7	0.0	-0.1%
85.2%	46.7	46.7	0.0	0.0%
86.4%	46.7	46.7	0.0	0.0%
87.7%	46.7	46.7	0.0	-0.1%
88.9%	46.7	46.5	-0.2	-0.5%
90.1%	46.5	46.3	-0.2	-0.4%
91.4%	46.1	46.1	0.0	0.1%
92.6%	46.0	46.0	0.0	0.0%
93.8%	45.8	45.7	-0.1	-0.2%
95.1%	45.6	45.6	0.0	0.0%
96.3%	45.4	45.5	0.1	0.2%
97.5%	45.1	45.2	0.1	0.1%
98.8%	44.8	44.8	0.0	0.0%
100.0%	44.8	44.8	0.0	0.0%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.5	58.0	2.5	4.5%
1.2%	54.6	55.5	1.0	1.8%
2.5%	54.4	54.5	0.2	0.3%
3.7%	53.7	54.3	0.7	1.3%
4.9%	53.4	53.6	0.2	0.4%
6.2%	53.3	53.4	0.1	0.1%
7.4%	53.3	53.4	0.0	0.0%
8.6%	53.3	53.3	0.1	0.1%
9.9%	53.1	53.3	0.2	0.3%
11.1%	52.7	52.9	0.3	0.5%
12.3%	52.6	52.7	0.1	0.3%
13.6%	52.4	52.7	0.3	0.5%
14.8%	52.4	52.6	0.2	0.4%
16.0%	52.2	52.4	0.1	0.2%
17.3%	52.1	52.2	0.1	0.2%
18.5%	52.1	52.1	0.0	0.0%
19.8%	52.1	52.0	-0.1	-0.1%
21.0%	52.1	52.0	-0.1	-0.2%
22.2%	52.0	52.0	0.0	-0.1%
23.5%	51.9	51.9	-0.1	-0.1%
24.7%	51.8	51.9	0.1	0.2%
25.9%	51.8	51.8	0.1	0.2%
27.2%	51.7	51.8	0.1	0.1%
28.4%	51.7	51.8	0.1	0.1%
29.6%	51.7	51.8	0.1	0.1%
30.9%	51.7	51.8	0.1	0.1%
32.1%	51.7	51.8	0.1	0.2%
33.3%	51.7	51.7	0.0	0.1%
34.6%	51.6	51.7	0.1	0.2%
35.8%	51.4	51.6	0.3	0.6%
37.0%	51.3	51.5	0.2	0.3%
38.3%	51.3	51.5	0.2	0.4%
39.5%	51.3	51.5	0.2	0.4%
40.7%	51.2	51.4	0.2	0.4%
42.0%	51.2	51.4	0.2	0.4%
43.2%	51.0	51.3	0.3	0.6%
44.4%	51.0	51.3	0.4	0.7%
45.7%	50.9	51.2	0.3	0.5%
46.9%	50.9	51.0	0.1	0.1%
48.1%	50.9	51.0	0.1	0.2%
49.4%	50.8	50.9	0.1	0.1%
50.6%	50.8	50.9	0.1	0.3%
51.9%	50.7	50.9	0.2	0.3%
53.1%	50.7	50.8	0.2	0.3%
54.3%	50.6	50.8	0.2	0.3%
55.6%	50.6	50.7	0.0	0.1%
56.8%	50.6	50.6	0.0	0.1%
58.0%	50.4	50.5	0.1	0.2%
59.3%	50.4	50.5	0.1	0.2%
60.5%	50.4	50.4	0.0	0.1%
61.7%	50.3	50.4	0.1	0.2%
63.0%	50.3	50.3	0.0	0.1%
64.2%	50.3	50.3	0.0	0.0%
65.4%	50.2	50.3	0.0	0.1%
66.7%	50.2	50.3	0.0	0.1%
67.9%	50.2	50.2	0.1	0.1%
69.1%	50.1	50.2	0.1	0.2%
70.4%	50.1	50.2	0.1	0.1%
71.6%	50.1	50.1	0.0	0.0%
72.8%	50.1	50.1	0.0	0.0%
74.1%	50.1	50.0	0.0	-0.1%
75.3%	50.0	50.0	0.0	0.1%
76.5%	49.9	50.0	0.1	0.2%
77.8%	49.9	49.9	0.0	0.0%
79.0%	49.9	49.9	0.0	-0.1%
80.2%	49.8	49.9	0.0	0.1%
81.5%	49.8	49.8	0.0	0.1%
82.7%	49.8	49.8	0.0	0.0%
84.0%	49.8	49.8	0.0	0.0%
85.2%	49.6	49.8	0.2	0.4%
86.4%	49.6	49.7	0.2	0.4%
87.7%	49.5	49.6	0.1	0.1%
88.9%	49.5	49.6	0.1	0.2%
90.1%	49.4	49.6	0.1	0.3%
91.4%	49.4	49.5	0.2	0.3%
92.6%	49.4	49.4	0.0	0.0%
93.8%	49.3	49.3	0.0	0.0%
95.1%	49.2	49.3	0.1	0.2%
96.3%	49.2	49.1	-0.1	-0.2%
97.5%	49.0	49.1	0.1	0.1%
98.8%	49.0	48.8	-0.2	-0.4%
100.0%	49.0	48.8	-0.2	-0.4%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.3	58.6	-2.7	-4.4%
1.2%	55.6	54.7	-0.9	-1.6%
2.5%	54.7	54.7	-0.1	-0.1%
3.7%	54.6	53.6	-1.0	-1.8%
4.9%	53.8	53.3	-0.5	-0.9%
6.2%	53.5	53.1	-0.4	-0.7%
7.4%	53.5	52.9	-0.6	-1.1%
8.6%	53.4	52.9	-0.6	-1.1%
9.9%	53.3	52.9	-0.4	-0.8%
11.1%	53.2	52.9	-0.3	-0.6%
12.3%	53.0	52.7	-0.3	-0.6%
13.6%	52.8	52.7	-0.1	-0.2%
14.8%	52.7	52.7	0.0	-0.1%
16.0%	52.5	52.5	0.0	0.1%
17.3%	52.4	52.3	-0.1	-0.1%
18.5%	52.3	52.3	0.0	0.1%
19.8%	52.2	52.2	0.0	-0.1%
21.0%	52.2	52.1	-0.1	-0.2%
22.2%	52.0	52.1	0.1	0.2%
23.5%	51.9	52.0	0.1	0.1%
24.7%	51.9	51.9	0.1	0.1%
25.9%	51.9	51.8	0.0	-0.1%
27.2%	51.8	51.7	-0.1	-0.1%
28.4%	51.7	51.5	-0.2	-0.4%
29.6%	51.7	51.4	-0.2	-0.4%
30.9%	51.6	51.4	-0.3	-0.5%
32.1%	51.6	51.3	-0.3	-0.6%
33.3%	51.5	51.2	-0.3	-0.6%
34.6%	51.5	51.1	-0.4	-0.7%
35.8%	51.5	51.1	-0.4	-0.7%
37.0%	51.2	51.0	-0.2	-0.5%
38.3%	51.2	51.0	-0.2	-0.4%
39.5%	51.1	50.8	-0.3	-0.6%
40.7%	51.0	50.8	-0.2	-0.4%
42.0%	51.0	50.8	-0.2	-0.4%
43.2%	50.9	50.7	-0.2	-0.4%
44.4%	50.8	50.7	-0.1	-0.2%
45.7%	50.8	50.7	-0.1	-0.1%
46.9%	50.8	50.7	-0.1	-0.1%
48.1%	50.8	50.7	-0.1	-0.1%
49.4%	50.7	50.7	0.0	-0.1%
50.6%	50.7	50.7	-0.1	-0.2%
51.9%	50.7	50.6	-0.1	-0.3%
53.1%	50.7	50.6	-0.1	-0.2%
54.3%	50.7	50.5	-0.2	-0.4%
55.6%	50.7	50.5	-0.2	-0.4%
56.8%	50.7	50.4	-0.2	-0.4%
58.0%	50.5	50.4	-0.1	-0.3%
59.3%	50.5	50.4	-0.1	-0.2%
60.5%	50.4	50.3	-0.1	-0.2%
61.7%	50.3	50.3	0.0	-0.1%
63.0%	50.3	50.3	0.0	0.0%
64.2%	50.3	50.2	-0.1	-0.1%
65.4%	50.2	50.1	-0.1	-0.1%
66.7%	50.2	50.1	-0.1	-0.2%
67.9%	50.1	49.9	-0.2	-0.4%
69.1%	50.1	49.9	-0.2	-0.5%
70.4%	50.1	49.8	-0.3	-0.6%
71.6%	50.0	49.8	-0.2	-0.4%
72.8%	49.9	49.7	-0.2	-0.4%
74.1%	49.9	49.7	-0.2	-0.4%
75.3%	49.9	49.7	-0.2	-0.4%
76.5%	49.8	49.7	-0.1	-0.2%
77.8%	49.8	49.6	-0.1	-0.3%
79.0%	49.7	49.5	-0.2	-0.4%
80.2%	49.7	49.5	-0.2	-0.4%
81.5%	49.7	49.5	-0.2	-0.4%
82.7%	49.7	49.4	-0.3	-0.5%
84.0%	49.7	49.4	-0.3	-0.6%
85.2%	49.6	49.3	-0.3	-0.6%
86.4%	49.5	49.3	-0.2	-0.4%
87.7%	49.5	49.2	-0.2	-0.5%
88.9%	49.4	49.1	-0.3	-0.6%
90.1%	49.4	49.1	-0.2	-0.5%
91.4%	49.3	48.8	-0.5	-1.0%
92.6%	49.3	48.8	-0.5	-1.0%
93.8%	49.3	48.8	-0.5	-1.0%
95.1%	49.2	48.7	-0.4	-0.9%
96.3%	49.1	48.7	-0.4	-0.8%
97.5%	48.8	48.7	-0.1	-0.3%
98.8%	48.7	48.4	-0.3	-0.7%
100.0%	48.7	48.4	-0.3	-0.7%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.2	59.9	-1.4	-2.2%
1.2%	55.9	55.9	-0.1	-0.1%
2.5%	55.4	55.4	0.0	0.0%
3.7%	55.0	55.0	0.1	0.1%
4.9%	54.4	54.5	0.1	0.1%
6.2%	54.3	54.2	0.0	0.0%
7.4%	54.0	54.0	0.0	0.0%
8.6%	53.9	53.9	0.1	0.1%
9.9%	53.7	53.7	0.0	0.0%
11.1%	53.5	53.6	0.1	0.2%
12.3%	53.4	53.5	0.1	0.2%
13.6%	53.3	53.3	0.0	0.1%
14.8%	53.2	53.3	0.1	0.1%
16.0%	53.2	53.2	0.0	0.1%
17.3%	53.1	53.1	0.1	0.1%
18.5%	53.1	53.1	0.0	0.0%
19.8%	53.0	53.1	0.1	0.2%
21.0%	53.0	53.0	0.0	0.1%
22.2%	52.6	52.9	0.4	0.7%
23.5%	52.5	52.8	0.3	0.6%
24.7%	52.5	52.8	0.3	0.5%
25.9%	52.4	52.7	0.2	0.5%
27.2%	52.4	52.6	0.2	0.3%
28.4%	52.4	52.5	0.1	0.2%
29.6%	52.2	52.3	0.1	0.3%
30.9%	52.2	52.3	0.1	0.2%
32.1%	52.0	52.2	0.3	0.5%
33.3%	51.9	52.0	0.1	0.2%
34.6%	51.9	51.9	0.1	0.1%
35.8%	51.8	51.9	0.1	0.2%
37.0%	51.7	51.6	-0.1	-0.2%
38.3%	51.7	51.6	-0.1	-0.1%
39.5%	51.6	51.4	-0.3	-0.5%
40.7%	51.3	51.1	-0.1	-0.2%
42.0%	51.2	51.0	-0.2	-0.3%
43.2%	51.1	51.0	-0.1	-0.2%
44.4%	51.0	51.0	0.0	0.0%
45.7%	51.0	51.0	0.0	0.0%
46.9%	51.0	51.0	0.0	0.0%
48.1%	50.9	50.8	-0.1	-0.3%
49.4%	50.9	50.7	-0.2	-0.4%
50.6%	50.9	50.5	-0.4	-0.8%
51.9%	50.6	50.5	-0.2	-0.4%
53.1%	50.6	50.4	-0.2	-0.3%
54.3%	50.4	50.4	0.0	0.0%
55.6%	50.4	50.3	-0.1	-0.1%
56.8%	50.4	50.2	-0.2	-0.3%
58.0%	50.3	50.2	-0.1	-0.3%
59.3%	50.3	50.1	-0.2	-0.3%
60.5%	50.2	50.1	-0.1	-0.1%
61.7%	50.1	50.0	-0.1	-0.2%
63.0%	50.1	50.0	-0.1	-0.2%
64.2%	50.1	50.0	-0.1	-0.2%
65.4%	50.0	49.9	0.0	-0.1%
66.7%	49.9	49.7	-0.2	-0.4%
67.9%	49.8	49.7	-0.1	-0.2%
69.1%	49.8	49.7	-0.1	-0.1%
70.4%	49.7	49.7	-0.1	-0.1%
71.6%	49.7	49.6	-0.1	-0.2%
72.8%	49.7	49.6	-0.1	-0.2%
74.1%	49.6	49.6	0.0	-0.1%
75.3%	49.5	49.6	0.0	0.0%
76.5%	49.4	49.5	0.1	0.2%
77.8%	49.3	49.3	0.0	-0.1%
79.0%	49.2	49.2	0.0	0.0%
80.2%	49.2	49.2	0.0	0.0%
81.5%	49.2	49.2	0.0	0.0%
82.7%	49.2	49.2	0.0	0.0%
84.0%	49.1	49.1	0.0	0.0%
85.2%	49.1	49.1	0.0	0.0%
86.4%	49.1	49.0	0.0	-0.1%
87.7%	49.0	48.9	-0.1	-0.2%
88.9%	49.0	48.9	-0.1	-0.3%
90.1%	48.9	48.9	0.0	0.0%
91.4%	48.9	48.8	-0.1	-0.1%
92.6%	48.8	48.8	0.0	-0.1%
93.8%	48.5	48.5	-0.1	-0.1%
95.1%	48.3	48.4	0.1	0.2%
96.3%	48.3	48.3	0.0	0.0%
97.5%	48.3	48.3	0.0	0.1%
98.8%	48.0	48.2	0.2	0.4%
100.0%	48.0	48.2	0.2	0.4%

Table SQ12-1b

Trinity River below Lewiston Dam, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	59.1	58.1	-1.0	-1.7%
1.2%	55.3	55.3	0.0	0.0%
2.5%	54.9	55.0	0.1	0.1%
3.7%	54.3	54.1	-0.2	-0.3%
4.9%	53.9	53.8	-0.1	-0.2%
6.2%	53.7	53.7	0.1	0.1%
7.4%	53.4	53.7	0.3	0.6%
8.6%	53.1	53.2	0.1	0.2%
9.9%	52.8	52.8	0.0	0.0%
11.1%	52.7	52.6	0.0	0.0%
12.3%	52.6	52.5	-0.1	-0.1%
13.6%	52.5	52.5	0.1	0.2%
14.8%	52.4	52.5	0.1	0.3%
16.0%	52.3	52.5	0.2	0.4%
17.3%	52.2	52.2	-0.1	-0.1%
18.5%	52.2	52.2	0.0	-0.1%
19.8%	52.1	52.2	0.0	0.1%
21.0%	52.1	52.1	0.1	0.1%
22.2%	51.9	52.1	0.1	0.3%
23.5%	51.9	52.1	0.2	0.3%
24.7%	51.8	52.0	0.1	0.3%
25.9%	51.8	52.0	0.1	0.3%
27.2%	51.8	51.8	0.0	0.0%
28.4%	51.7	51.8	0.1	0.1%
29.6%	51.7	51.7	0.0	0.1%
30.9%	51.5	51.7	0.2	0.3%
32.1%	51.5	51.7	0.2	0.4%
33.3%	51.5	51.6	0.2	0.4%
34.6%	51.4	51.6	0.1	0.2%
35.8%	51.3	51.3	0.0	0.0%
37.0%	51.3	51.3	0.0	0.0%
38.3%	51.3	51.2	-0.1	-0.1%
39.5%	51.3	51.1	-0.2	-0.4%
40.7%	51.2	51.0	-0.2	-0.4%
42.0%	51.1	51.0	-0.1	-0.2%
43.2%	51.0	50.9	0.0	-0.1%
44.4%	51.0	50.9	-0.1	-0.2%
45.7%	50.9	50.8	-0.1	-0.2%
46.9%	50.9	50.7	-0.2	-0.3%
48.1%	50.7	50.7	0.0	0.0%
49.4%	50.7	50.7	-0.1	-0.1%
50.6%	50.7	50.6	0.0	-0.1%
51.9%	50.6	50.5	-0.1	-0.2%
53.1%	50.4	50.4	0.0	0.0%
54.3%	50.4	50.3	-0.1	-0.2%
55.6%	50.1	50.1	0.0	0.0%
56.8%	50.1	50.1	0.0	0.0%
58.0%	50.1	50.0	0.0	0.0%
59.3%	50.0	50.0	0.0	0.0%
60.5%	50.0	49.9	-0.1	-0.2%
61.7%	49.9	49.9	0.0	-0.1%
63.0%	49.9	49.8	0.0	-0.1%
64.2%	49.9	49.8	0.0	-0.1%
65.4%	49.8	49.8	0.0	0.0%
66.7%	49.8	49.8	0.0	0.0%
67.9%	49.7	49.8	0.1	0.2%
69.1%	49.6	49.5	-0.1	-0.2%
70.4%	49.6	49.4	-0.2	-0.3%
71.6%	49.6	49.4	-0.2	-0.3%
72.8%	49.5	49.4	-0.1	-0.2%
74.1%	49.4	49.4	0.0	-0.1%
75.3%	49.3	49.3	0.0	0.1%
76.5%	49.2	49.3	0.1	0.2%
77.8%	49.2	49.1	0.0	-0.1%
79.0%	49.1	49.0	-0.1	-0.2%
80.2%	49.1	49.0	-0.1	-0.2%
81.5%	49.0	49.0	0.0	0.0%
82.7%	49.0	48.9	-0.1	-0.3%
84.0%	48.9	48.8	-0.1	-0.2%
85.2%	48.9	48.7	-0.2	-0.4%
86.4%	48.8	48.6	-0.2	-0.4%
87.7%	48.7	48.6	-0.1	-0.2%
88.9%	48.7	48.6	0.0	-0.1%
90.1%	48.6	48.6	0.0	-0.1%
91.4%	48.6	48.5	0.0	0.0%
92.6%	48.5	48.5	0.0	0.0%
93.8%	48.4	48.4	0.0	0.0%
95.1%	48.4	48.4	0.0	0.0%
96.3%	48.3	48.2	-0.2	-0.4%
97.5%	48.3	48.2	-0.1	-0.3%
98.8%	48.1	48.1	0.0	0.1%
100.0%	48.1	48.0	-0.1	-0.2%

July to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	59.4	58.0	-1.3	-2.3%
1.2%	55.1	55.0	0.0	0.0%
2.5%	54.8	54.8	0.0	0.0%
3.7%	53.9	53.6	-0.4	-0.6%
4.9%	53.5	53.4	-0.1	-0.2%
6.2%	53.4	53.3	0.0	0.0%
7.4%	53.2	53.3	0.1	0.3%
8.6%	53.2	53.3	0.1	0.2%
9.9%	53.1	53.0	-0.1	-0.2%
11.1%	53.0	52.9	-0.1	-0.2%
12.3%	52.9	52.8	-0.1	-0.2%
13.6%	52.9	52.8	-0.1	-0.2%
14.8%	52.8	52.7	-0.1	-0.2%
16.0%	52.6	52.7	0.1	0.2%
17.3%	52.5	52.7	0.1	0.2%
18.5%	52.4	52.4	0.0	0.0%
19.8%	52.3	52.3	0.0	0.0%
21.0%	52.1	52.3	0.2	0.3%
22.2%	52.1	52.2	0.1	0.3%
23.5%	52.0	52.2	0.2	0.4%
24.7%	52.0	52.2	0.2	0.4%
25.9%	51.9	52.1	0.1	0.3%
27.2%	51.9	52.0	0.1	0.3%
28.4%	51.8	52.0	0.2	0.5%
29.6%	51.8	52.0	0.2	0.5%
30.9%	51.7	51.8	0.1	0.2%
32.1%	51.7	51.7	0.0	0.1%
33.3%	51.7	51.7	0.0	0.1%
34.6%	51.6	51.5	-0.1	-0.2%
35.8%	51.6	51.5	-0.1	-0.1%
37.0%	51.4	51.4	0.0	-0.1%
38.3%	51.4	51.3	-0.1	-0.3%
39.5%	51.3	51.2	-0.1	-0.2%
40.7%	51.3	51.2	-0.1	-0.2%
42.0%	51.2	51.2	0.0	0.0%
43.2%	51.2	51.2	0.0	0.0%
44.4%	51.1	51.1	0.0	-0.1%
45.7%	51.1	51.0	-0.1	-0.2%
46.9%	51.0	50.9	-0.2	-0.3%
48.1%	50.9	50.9	0.0	0.0%
49.4%	50.8	50.8	-0.1	-0.1%
50.6%	50.8	50.8	-0.1	-0.1%
51.9%	50.8	50.8	0.0	0.0%
53.1%	50.8	50.7	0.0	-0.1%
54.3%	50.7	50.7	0.0	0.0%
55.6%	50.6	50.7	0.0	0.1%
56.8%	50.6	50.6	0.0	-0.1%
58.0%	50.5	50.6	0.0	0.1%
59.3%	50.5	50.4	0.0	-0.1%
60.5%	50.5	50.4	-0.1	-0.2%
61.7%	50.4	50.3	-0.1	-0.2%
63.0%	50.3	50.2	0.0	-0.1%
64.2%	50.2	50.2	0.0	-0.1%
65.4%	50.1	50.2	0.0	0.1%
66.7%	50.0	50.1	0.1	0.1%
67.9%	50.0	50.0	0.0	0.0%
69.1%	50.0	50.0	0.0	0.0%
70.4%	50.0	50.0	0.0	0.0%
71.6%	50.0	49.9	-0.1	-0.1%
72.8%	50.0	49.8	-0.1	-0.2%
74.1%	49.9	49.8	-0.1	-0.2%
75.3%	49.9	49.7	-0.1	-0.2%
76.5%	49.8	49.7	0.0	-0.1%
77.8%	49.7	49.7	0.0	-0.1%
79.0%	49.7	49.6	-0.1	-0.2%
80.2%	49.7	49.6	-0.1	-0.3%
81.5%	49.7	49.6	-0.1	-0.3%
82.7%	49.7	49.6	-0.1	-0.3%
84.0%	49.7	49.5	-0.1	-0.3%
85.2%	49.6	49.5	-0.1	-0.3%
86.4%	49.6	49.4	-0.1	-0.3%
87.7%	49.6	49.2	-0.3	-0.6%
88.9%	49.4	49.2	-0.2	-0.4%
90.1%	49.3	49.2	-0.2	-0.3%
91.4%	49.2	49.2	0.0	0.0%
92.6%	49.1	49.1	0.0	0.0%
93.8%	49.1	49.0	0.0	-0.1%
95.1%	49.1	49.0	-0.1	-0.1%
96.3%	48.9	48.9	0.0	0.1%
97.5%	48.9	48.7	-0.1	-0.3%
98.8%	48.8	48.7	-0.1	-0.2%
100.0%	48.1	48.1	0.0	0.0%

August to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.3	59.3	-2.0	-3.3%
1.2%	55.3	55.3	0.0	0.0%
2.5%	55.1	55.1	0.0	0.0%
3.7%	54.0	53.8	-0.2	-0.4%
4.9%	53.8	53.7	-0.1	-0.2%
6.2%	53.6	53.6	0.0	0.0%
7.4%	53.6	53.5	0.0	-0.1%
8.6%	53.5	53.4	0.0	-0.1%
9.9%	53.4	53.3	0.0	-0.1%
11.1%	53.1	53.3	0.2	0.3%
12.3%	53.1	53.3	0.2	0.5%
13.6%	53.1	52.9	-0.1	-0.3%
14.8%	53.0	52.8	-0.2	-0.4%
16.0%	52.9	52.7	-0.2	-0.4%
17.3%	52.8	52.7	-0.1	-0.2%
18.5%	52.8	52.7	-0.1	-0.2%
19.8%	52.6	52.6	0.0	-0.1%
21.0%	52.5	52.6	0.1	0.2%
22.2%	52.3	52.3	0.0	0.0%
23.5%	52.3	52.3	0.0	-0.1%
24.7%	52.2	52.2	0.1	0.1%
25.9%	52.1	52.2	0.1	0.2%
27.2%	52.1	52.2	0.1	0.2%
28.4%	52.1	52.0	-0.1	-0.2%
29.6%	52.0	52.0	0.0	0.0%
30.9%	52.0	51.8	-0.1	-0.3%
32.1%	51.9	51.8	-0.2	-0.3%
33.3%	51.9	51.8	-0.1	-0.2%
34.6%	51.7	51.7	0.0	0.1%
35.8%	51.6	51.6	0.0	0.0%
37.0%	51.5	51.2	-0.2	-0.5%
38.3%	51.4	51.1	-0.2	-0.5%
39.5%	51.4	51.1	-0.3	-0.6%
40.7%	51.3	51.0	-0.3	-0.7%
42.0%	51.2	51.0	-0.2	-0.4%
43.2%	51.1	50.9	-0.2	-0.5%
44.4%	51.0	50.9	-0.2	-0.3%
45.7%	50.9	50.8	0.0	-0.1%
46.9%	50.9	50.8	-0.1	-0.2%
48.1%	50.9	50.8	-0.1	-0.2%
49.4%	50.7	50.7	-0.1	-0.2%
50.6%	50.7	50.6	-0.2	-0.3%
51.9%	50.7	50.5	-0.2	-0.3%
53.1%	50.6	50.5	-0.1	-0.2%
54.3%	50.6	50.4	-0.2	-0.5%
55.6%	50.5	50.4	-0.1	-0.2%
56.8%	50.5	50.4	-0.1	-0.2%
58.0%	50.4	50.4	0.0	-0.1%
59.3%	50.4	50.2	-0.1	-0.3%
60.5%	50.4	50.2	-0.2	-0.4%
61.7%	50.2	50.1	-0.1	-0.3%
63.0%	50.2	50.1	-0.1	-0.3%
64.2%	50.1	50.0	0.0	-0.1%
65.4%	50.1	50.0	-0.1	-0.2%
66.7%	50.0	49.9	-0.1	-0.2%
67.9%	50.0	49.9	-0.1	-0.2%
69.1%	50.0	49.9	-0.1	-0.1%
70.4%	50.0	49.7	-0.2	-0.5%
71.6%	49.9	49.7	-0.1	-0.3%
72.8%	49.8	49.7	-0.2	-0.3%
74.1%	49.7	49.6	-0.1	-0.2%
75.3%	49.7	49.5	-0.1	-0.3%
76.5%	49.7	49.5	-0.2	-0.3%
77.8%	49.7	49.5	-0.2	-0.3%
79.0%	49.7	49.5	-0.2	-0.4%
80.2%	49.6	49.5	-0.2	-0.3%
81.5%	49.5	49.4	-0.1	-0.2%
82.7%	49.5	49.4	-0.1	-0.2%
84.0%	49.5	49.4	-0.2	-0.3%
85.2%	49.5	49.3	-0.2	-0.4%
86.4%	49.4	49.2	-0.2	-0.4%
87.7%	49.3	49.1	-0.2	-0.3%
88.9%	49.2	49.0	-0.2	-0.4%
90.1%	49.1	49.0	-0.1	-0.2%
91.4%	49.1	49.0	-0.1	-0.2%
92.6%	49.0	48.9	-0.1	-0.2%
93.8%	48.9	48.7	-0.2	-0.4%
95.1%	48.9	48.6	-0.3	-0.7%
96.3%	48.8	48.5	-0.3	-0.6%
97.5%	48.7	48.5	-0.3	-0.6%
98.8%	48.4	48.4	0.0	0.0%
100.0%	48.0	48.0	0.0	0.1%

Figure SQ13-1b
Clear Creek below Whiskeytown, Monthly Temperature
Probability of Exceedance

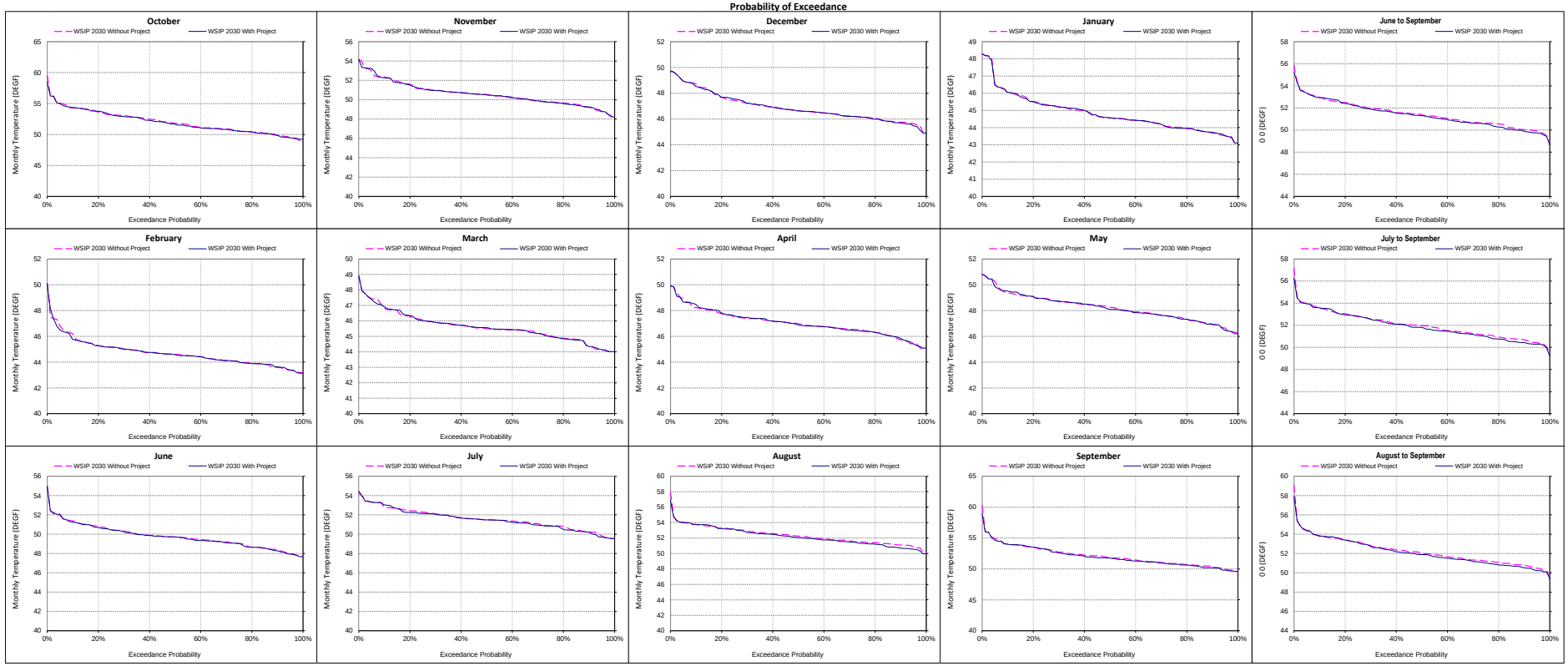


Table SQ13-1b

Clear Creek below Whiskeytown, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	59.5	58.4	-1.1	-1.8%
1.2%	56.2	56.2	0.0	0.0%
2.5%	56.2	56.2	0.0	0.0%
3.7%	55.0	55.1	0.1	0.2%
4.9%	55.0	55.0	0.0	0.0%
6.2%	55.0	54.7	-0.3	-0.5%
7.4%	54.8	54.6	-0.2	-0.4%
8.6%	54.3	54.5	0.1	0.2%
9.9%	54.3	54.4	0.1	0.1%
11.1%	54.3	54.3	0.0	0.1%
12.3%	54.3	54.2	0.0	-0.1%
13.6%	54.1	54.2	0.1	0.1%
14.8%	54.1	54.1	-0.1	-0.1%
16.0%	54.1	54.0	0.0	0.0%
17.3%	54.0	53.8	-0.2	-0.3%
18.5%	53.8	53.8	0.0	0.0%
19.8%	53.6	53.8	0.1	0.2%
21.0%	53.5	53.7	0.1	0.3%
22.2%	53.4	53.6	0.2	0.3%
23.5%	53.2	53.4	0.2	0.4%
24.7%	53.2	53.2	0.1	0.1%
25.9%	53.2	53.1	-0.1	-0.2%
27.2%	53.1	53.0	-0.1	-0.2%
28.4%	53.1	52.9	-0.2	-0.3%
29.6%	53.0	52.9	-0.1	-0.2%
30.9%	53.0	52.9	-0.2	-0.3%
32.1%	52.9	52.8	-0.1	-0.2%
33.3%	52.8	52.8	0.0	0.0%
34.6%	52.8	52.8	0.0	0.0%
35.8%	52.8	52.7	-0.1	-0.1%
37.0%	52.7	52.5	-0.1	-0.2%
38.3%	52.6	52.3	-0.3	-0.6%
39.5%	52.5	52.3	-0.2	-0.4%
40.7%	52.5	52.3	-0.2	-0.4%
42.0%	52.4	52.1	-0.3	-0.6%
43.2%	52.3	52.1	-0.2	-0.5%
44.4%	52.1	52.1	0.0	-0.1%
45.7%	52.0	52.0	-0.1	-0.1%
46.9%	52.0	51.9	-0.2	-0.3%
48.1%	51.9	51.7	-0.1	-0.3%
49.4%	51.9	51.7	-0.1	-0.3%
50.6%	51.8	51.5	-0.3	-0.5%
51.9%	51.8	51.5	-0.3	-0.5%
53.1%	51.7	51.5	-0.2	-0.4%
54.3%	51.7	51.4	-0.3	-0.5%
55.6%	51.5	51.4	-0.1	-0.3%
56.8%	51.3	51.2	-0.1	-0.2%
58.0%	51.3	51.2	-0.1	-0.3%
59.3%	51.2	51.1	-0.1	-0.2%
60.5%	51.1	51.0	-0.1	-0.1%
61.7%	51.1	51.0	-0.1	-0.1%
63.0%	51.1	51.0	-0.1	-0.2%
64.2%	51.0	51.0	-0.1	-0.2%
65.4%	51.0	50.9	-0.1	-0.1%
66.7%	51.0	50.9	0.0	-0.1%
67.9%	51.0	50.8	-0.1	-0.2%
69.1%	50.9	50.8	-0.1	-0.2%
70.4%	50.9	50.8	-0.1	-0.2%
71.6%	50.9	50.8	-0.1	-0.2%
72.8%	50.7	50.6	-0.1	-0.2%
74.1%	50.6	50.6	0.0	0.1%
75.3%	50.5	50.5	0.0	0.0%
76.5%	50.5	50.5	0.0	0.0%
77.8%	50.5	50.5	0.0	0.0%
79.0%	50.4	50.5	0.1	0.1%
80.2%	50.4	50.4	0.0	0.0%
81.5%	50.4	50.3	-0.1	-0.2%
82.7%	50.4	50.2	-0.1	-0.3%
84.0%	50.3	50.2	-0.1	-0.2%
85.2%	50.2	50.2	0.0	0.0%
86.4%	50.2	50.2	0.0	0.0%
87.7%	50.1	50.1	0.0	0.1%
88.9%	50.1	49.9	-0.1	-0.3%
90.1%	49.8	49.9	0.1	0.2%
91.4%	49.8	49.6	-0.2	-0.3%
92.6%	49.7	49.6	-0.2	-0.3%
93.8%	49.6	49.5	-0.1	-0.2%
95.1%	49.5	49.5	-0.1	-0.2%
96.3%	49.3	49.4	0.1	0.2%
97.5%	49.3	49.3	0.0	0.1%
98.8%	49.0	49.2	0.3	0.6%
100.0%	49.0	49.2	0.0	0.6%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.2	54.2	0.0	0.0%
1.2%	53.9	53.3	-0.6	-1.1%
2.5%	53.3	53.3	0.1	0.1%
3.7%	53.2	53.3	0.1	0.1%
4.9%	53.0	53.2	0.2	0.5%
6.2%	52.4	53.0	0.5	1.0%
7.4%	52.4	52.4	-0.1	-0.1%
8.6%	52.4	52.3	-0.1	-0.1%
9.9%	52.4	52.2	-0.1	-0.2%
11.1%	52.3	52.2	0.0	-0.1%
12.3%	52.2	52.2	0.0	0.1%
13.6%	52.0	51.8	-0.1	-0.3%
14.8%	51.9	51.8	-0.2	-0.3%
16.0%	51.8	51.7	-0.1	-0.2%
17.3%	51.7	51.7	0.0	0.0%
18.5%	51.7	51.6	-0.1	-0.1%
19.8%	51.6	51.5	-0.1	-0.2%
21.0%	51.5	51.4	-0.1	-0.2%
22.2%	51.2	51.3	0.1	0.3%
23.5%	51.1	51.2	0.0	0.1%
24.7%	51.1	51.2	0.0	0.1%
25.9%	51.1	51.0	-0.1	-0.1%
27.2%	51.1	51.0	-0.1	-0.1%
28.4%	51.0	50.9	-0.1	-0.1%
29.6%	51.0	50.9	0.0	-0.1%
30.9%	51.0	50.9	0.0	-0.1%
32.1%	50.9	50.9	0.0	0.0%
33.3%	50.8	50.9	0.0	0.0%
34.6%	50.8	50.8	0.0	0.0%
35.8%	50.8	50.8	0.1	0.1%
37.0%	50.8	50.8	0.0	0.0%
38.3%	50.7	50.8	0.0	0.0%
39.5%	50.7	50.7	0.0	0.1%
40.7%	50.7	50.7	0.1	0.1%
42.0%	50.7	50.7	0.1	0.1%
43.2%	50.6	50.6	0.0	0.0%
44.4%	50.6	50.6	0.0	0.0%
45.7%	50.6	50.6	0.0	-0.1%
46.9%	50.6	50.6	0.0	-0.1%
48.1%	50.6	50.5	0.0	0.0%
49.4%	50.6	50.5	0.0	-0.1%
50.6%	50.5	50.5	-0.1	-0.1%
51.9%	50.5	50.4	0.0	-0.1%
53.1%	50.4	50.4	0.0	0.0%
54.3%	50.4	50.4	0.0	0.0%
55.6%	50.4	50.4	0.0	0.1%
56.8%	50.4	50.3	0.0	-0.1%
58.0%	50.3	50.3	0.1	0.1%
59.3%	50.2	50.3	0.1	0.2%
60.5%	50.2	50.2	0.0	0.0%
61.7%	50.1	50.2	0.0	0.1%
63.0%	50.1	50.1	0.0	0.0%
64.2%	50.1	50.1	0.0	0.1%
65.4%	50.0	50.1	0.1	0.2%
66.7%	50.0	50.0	0.0	0.0%
67.9%	49.9	50.0	0.0	0.1%
69.1%	49.9	49.9	0.0	0.0%
70.4%	49.8	49.9	0.0	0.1%
71.6%	49.8	49.8	0.0	0.0%
72.8%	49.8	49.8	0.0	-0.1%
74.1%	49.8	49.7	0.0	-0.1%
75.3%	49.8	49.7	0.0	0.0%
76.5%	49.7	49.7	0.0	-0.1%
77.8%	49.7	49.7	-0.1	-0.1%
79.0%	49.7	49.6	-0.1	-0.2%
80.2%	49.7	49.6	-0.1	-0.1%
81.5%	49.6	49.5	-0.1	-0.3%
82.7%	49.6	49.5	-0.1	-0.1%
84.0%	49.6	49.5	-0.1	-0.1%
85.2%	49.5	49.4	-0.1	-0.2%
86.4%	49.5	49.4	-0.1	-0.1%
87.7%	49.2	49.3	0.1	0.2%
88.9%	49.2	49.3	0.0	0.1%
90.1%	49.2	49.2	0.0	0.0%
91.4%	49.1	49.2	0.1	0.2%
92.6%	48.9	49.0	0.1	0.1%
93.8%	48.9	49.0	0.1	0.2%
95.1%	48.7	48.8	0.0	0.1%
96.3%	48.7	48.7	0.0	0.1%
97.5%	48.5	48.5	0.0	-0.1%
98.8%	48.3	48.2	-0.1	-0.1%
100.0%	48.3	48.2	-0.1	-0.1%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	49.7	49.8	0.1	0.2%
1.2%	49.6	49.6	0.0	0.0%
2.5%	49.4	49.4	0.0	0.0%
3.7%	49.2	49.2	0.0	0.0%
4.9%	49.0	49.0	0.0	0.0%
6.2%	48.9	48.9	0.0	0.0%
7.4%	48.8	48.8	0.0	0.0%
8.6%	48.8	48.8	0.0	-0.1%
9.9%	48.7	48.5	-0.2	-0.4%
11.1%	48.5	48.5	0.0	-0.1%
12.3%	48.5	48.4	-0.1	-0.1%
13.6%	48.4	48.3	-0.1	-0.3%
14.8%	48.3	48.3	0.0	0.0%
16.0%	48.1	48.2	0.0	0.0%
17.3%	48.0	47.9	-0.1	-0.2%
18.5%	47.9	47.9	0.0	0.0%
19.8%	47.7	47.7	0.0	0.0%
21.0%	47.6	47.7	0.1	0.1%
22.2%	47.5	47.7	0.1	0.3%
23.5%	47.5	47.6	0.1	0.3%
24.7%	47.4	47.6	0.1	0.2%
25.9%	47.4	47.5	0.1	0.2%
27.2%	47.4	47.5	0.1	0.2%
28.4%	47.3	47.4	0.1	0.2%
29.6%	47.2	47.3	0.0	0.1%
30.9%	47.2	47.2	0.0	0.0%
32.1%	47.2	47.1	0.0	-0.1%
33.3%	47.2	47.1	0.0	0.0%
34.6%	47.1	47.1	0.1	0.1%
35.8%	47.0	47.1	0.1	0.2%
37.0%	47.0	47.0	0.0	0.1%
38.3%	47.0	47.0	0.0	0.0%
39.5%	47.0	46.9	0.0	-0.1%
40.7%	46.9	46.9	-0.1	-0.2%
42.0%	46.9	46.8	0.0	-0.1%
43.2%	46.8	46.8	0.0	0.0%
44.4%	46.7	46.8	0.0	0.1%
45.7%	46.7	46.7	0.0	0.0%
46.9%	46.7	46.7	0.0	0.0%
48.1%	46.7	46.7	0.0	0.1%
49.4%	46.6	46.7	0.0	0.0%
50.6%	46.6	46.6	0.0	0.0%
51.9%	46.6	46.6	0.0	0.0%
53.1%	46.6	46.6	0.0	0.0%
54.3%	46.6	46.6	0.0	0.0%
55.6%	46.6	46.6	0.0	0.1%
56.8%	46.5	46.5	0.0	0.1%
58.0%	46.5	46.5	0.0	0.0%
59.3%	46.5	46.5	0.0	0.0%
60.5%	46.5	46.5	0.0	0.0%
61.7%	46.4	46.4	0.0	0.0%
63.0%	46.4	46.4	0.0	0.0%
64.2%	46.4	46.4	0.0	0.0%
65.4%	46.3	46.4	0.0	0.1%
66.7%	46.3	46.3	0.0	0.0%
67.9%	46.3	46.2	0.0	-0.1%
69.1%	46.2	46.2	0.0	-0.1%
70.4%	46.2	46.2	0.0	-0.1%
71.6%	46.2	46.2	0.0	-0.1%
72.8%	46.2	46.2	0.0	0.0%
74.1%	46.2	46.2	0.0	0.0%
75.3%	46.2	46.1	0.0	0.0%
76.5%	46.1	46.1	0.0	0.0%
77.8%	46.1	46.1	0.0	0.0%
79.0%	46.1	46.0	-0.1	-0.1%
80.2%	46.1	46.0	-0.1	-0.1%
81.5%	46.0	46.0	0.0	0.0%
82.7%	45.9	45.9	0.0	-0.1%
84.0%	45.9	45.8	0.0	0.0%
85.2%	45.8	45.8	0.0	0.0%
86.4%	45.8	45.8	0.0	-0.1%
87.7%	45.8	45.7	-0.1	-0.2%
88.9%	45.8	45.7	-0.1	-0.1%
90.1%	45.8	45.7	-0.1	-0.1%
91.4%	45.8	45.7	-0.1	-0.2%
92.6%	45.7	45.6	-0.1	-0.2%
93.8%	45.7	45.6	-0.1	-0.1%
95.1%	45.6	45.5	-0.2	-0.4%
96.3%	45.6	45.4	-0.1	-0.3%
97.5%	45.5	45.1	-0.4	-0.8%
98.8%	44.9	44.9	0.0	0.1%
100.0%	44.9	44.9	0.0	0.1%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	48.3	48.3	0.0	0.0%
1.2%	48.2	48.2	0.0	0.0%
2.5%	48.2	48.2	0.0	0.0%
3.7%	48.1	47.9	-0.2	-0.5%
4.9%	46.5	46.5	0.0	0.0%
6.2%	46.3	46.4	0.0	0.1%
7.4%	46.3	46.3	0.1	0.1%
8.6%	46.2	46.3	0.0	0.0%
9.9%	46.0	46.0	0.0	0.0%
11.1%	46.0	46.0	0.1	0.1%
12.3%	46.0	46.0	0.0	0.0%
13.6%	45.9	46.0	0.1	0.2%
14.8%	45.9	45.8	-0.1	-0.2%
16.0%	45.8	45.7	-0.1	-0.2%
17.3%	45.8	45.7	-0.1	-0.2%
18.5%	45.5	45.5	0.0	0.0%
19.8%	45.5	45.5	0.0	0.0%
21.0%	45.5	45.5	-0.1	-0.1%
22.2%	45.4	45.4	0.0	-0.1%
23.5%	45.4	45.3	-0.1	-0.1%
24.7%	45.3	45.3	0.0	-0.1%
25.9%	45.3	45.3	0.0	0.0%
27.2%	45.3	45.3	0.0	0.0%
28.4%	45.3	45.3	0.0	0.0%
29.6%	45.2	45.2	0.0	0.0%
30.9%	45.2	45.2	0.0	-0.1%
32.1%	45.2	45.2	0.0	0.0%
33.3%	45.1	45.1	0.0	0.0%
34.6%	45.1	45.1	0.1	0.2%
35.8%	45.0	45.1	0.1	0.2%
37.0%	45.0	45.1	0.1	0.2%
38.3%	45.0	45.0	0.0	0.1%
39.5%	45.0	45.0	0.0	0.1%
40.7%	45.0	45.0	0.0	0.0%
42.0%	44.8	44.9	0.1	0.1%
43.2%	44.7	44.7	0.0	0.1%
44.4%	44.7	44.7	0.1	0.1%
45.7%	44.6	44.6	0.0	0.0%
46.9%	44.6	44.6	0.0	0.1%
48.1%	44.6	44.6	0.0	0.1%
49.4%	44.6	44.6	0.0	0.0%
50.6%	44.6	44.5	0.0	0.0%
51.9%	44.5	44.5	0.0	0.1%
53.1%	44.5	44.5	0.0	0.0%
54.3%	44.5	44.5	0.0	0.0%
55.6%	44.5	44.5	0.0	0.0%
56.8%	44.5	44.5	0.0	-0.1%
58.0%	44.4	44.4	0.0	0.0%
59.3%	44.4	44.4	0.0	0.0%
60.5%	44.4	44.4	0.0	0.0%
61.7%	44.4	44.4	0.0	0.0%
63.0%	44.4	44.4	0.0	0.1%
64.2%	44.4	44.4	0.0	0.1%
65.4%	44.3	44.3	0.0	0.0%
66.7%	44.3	44.3	0.0	-0.1%
67.9%	44.2	44.3	0.0	0.0%
69.1%	44.2	44.2	0.0	0.0%
70.4%	44.2	44.2	0.0	0.0%
71.6%	44.1	44.1	0.0	0.0%
72.8%	44.1	44.0	-0.1	-0.1%
74.1%	44.0	44.0	0.0	-0.1%
75.3%	44.0	44.0	0.0	-0.1%
76.5%	44.0	44.0	-0.1	-0.1%
77.8%	44.0	44.0	-0.1	-0.1%
79.0%	44.0	44.0	0.0	-0.1%
80.2%	44.0	43.9	0.0	0.0%
81.5%	43.9	43.9	0.0	0.0%
82.7%	43.9	43.9	0.0	-0.1%
84.0%	43.9	43.8	-0.1	-0.2%
85.2%	43.8	43.8	0.0	0.0%
86.4%	43.8	43.8	0.0	0.1%
87.7%	43.7	43.8	0.0	0.0%
88.9%	43.7	43.7	0.0	0.0%
90.1%	43.7	43.7	0.1	0.1%
91.4%	43.7	43.7	0.0	0.1%
92.6%	43.6	43.7	0.1	0.1%
93.8%	43.6	43.6	0.1	0.2%
95.1%	43.5	43.5	0.0	-0.1%
96.3%	43.5	43.5	0.0	-0.1%
97.5%	43.5	43.4	0.0	-0.1%
98.8%	43.1	43.1	0.0	0.0%
100.0%	43.1	43.1	0.0	0.0%

Table SQ13-1b

Clear Creek below Whiskeytown, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	50.1	50.1	0.0	0.0%
1.2%	47.5	48.1	0.6	1.3%
2.5%	47.4	47.4	0.0	0.0%
3.7%	47.3	46.8	-0.5	-1.1%
4.9%	46.8	46.5	-0.3	-0.7%
6.2%	46.5	46.3	-0.2	-0.4%
7.4%	46.3	46.3	0.0	-0.1%
8.6%	46.3	46.2	-0.1	-0.2%
9.9%	46.2	45.8	-0.4	-1.0%
11.1%	45.8	45.7	-0.1	-0.2%
12.3%	45.7	45.7	0.0	0.0%
13.6%	45.6	45.6	0.0	0.0%
14.8%	45.5	45.6	0.0	0.0%
16.0%	45.5	45.5	0.0	0.0%
17.3%	45.5	45.5	0.0	0.0%
18.5%	45.3	45.3	0.0	0.0%
19.8%	45.3	45.3	0.0	0.0%
21.0%	45.3	45.2	0.0	-0.1%
22.2%	45.2	45.2	0.0	0.0%
23.5%	45.2	45.2	0.0	0.0%
24.7%	45.2	45.2	0.0	0.0%
25.9%	45.2	45.1	0.0	0.0%
27.2%	45.1	45.1	0.0	0.0%
28.4%	45.1	45.0	-0.1	-0.2%
29.6%	45.0	45.0	0.0	0.1%
30.9%	45.0	45.0	0.0	0.0%
32.1%	45.0	45.0	0.0	0.0%
33.3%	44.9	44.9	0.0	0.0%
34.6%	44.9	44.9	0.0	0.1%
35.8%	44.9	44.9	0.0	0.0%
37.0%	44.8	44.9	0.0	0.1%
38.3%	44.7	44.8	0.0	0.1%
39.5%	44.7	44.8	0.0	0.0%
40.7%	44.7	44.8	0.0	0.0%
42.0%	44.7	44.7	0.0	0.1%
43.2%	44.7	44.7	0.0	0.0%
44.4%	44.6	44.7	0.0	0.1%
45.7%	44.6	44.7	0.0	0.0%
46.9%	44.6	44.6	0.0	0.0%
48.1%	44.6	44.6	0.0	0.0%
49.4%	44.6	44.6	0.0	0.0%
50.6%	44.6	44.5	0.0	-0.1%
51.9%	44.6	44.5	-0.1	-0.2%
53.1%	44.5	44.5	0.0	0.0%
54.3%	44.5	44.5	0.0	-0.1%
55.6%	44.5	44.5	0.0	0.0%
56.8%	44.5	44.5	0.0	0.0%
58.0%	44.5	44.4	0.0	0.0%
59.3%	44.4	44.4	0.0	0.0%
60.5%	44.4	44.4	0.0	-0.1%
61.7%	44.3	44.3	0.0	0.0%
63.0%	44.3	44.3	0.0	0.0%
64.2%	44.3	44.3	0.0	0.0%
65.4%	44.2	44.2	0.0	-0.1%
66.7%	44.2	44.2	0.0	0.0%
67.9%	44.2	44.1	-0.1	-0.1%
69.1%	44.1	44.1	0.0	0.0%
70.4%	44.1	44.1	0.0	0.1%
71.6%	44.1	44.1	0.0	0.0%
72.8%	44.1	44.1	0.0	0.0%
74.1%	44.1	44.1	0.0	0.0%
75.3%	44.0	44.0	0.0	0.0%
76.5%	44.0	43.9	0.0	0.0%
77.8%	44.0	43.9	0.0	-0.1%
79.0%	43.9	43.9	0.0	-0.1%
80.2%	43.9	43.9	0.0	-0.1%
81.5%	43.9	43.9	0.0	0.0%
82.7%	43.9	43.9	0.0	0.0%
84.0%	43.9	43.9	0.0	0.0%
85.2%	43.8	43.8	0.0	0.0%
86.4%	43.8	43.8	0.0	0.1%
87.7%	43.6	43.8	0.2	0.4%
88.9%	43.6	43.6	0.0	0.0%
90.1%	43.6	43.6	0.0	0.1%
91.4%	43.6	43.6	0.0	0.1%
92.6%	43.5	43.6	0.1	0.3%
93.8%	43.4	43.4	0.0	0.0%
95.1%	43.4	43.4	0.0	0.0%
96.3%	43.3	43.4	0.0	0.0%
97.5%	43.3	43.2	-0.1	-0.2%
98.8%	43.2	43.1	0.0	-0.1%
100.0%	43.2	43.1	0.0	-0.1%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	48.9	48.9	0.0	0.0%
1.2%	48.0	48.0	0.0	0.0%
2.5%	47.8	47.8	0.0	0.0%
3.7%	47.6	47.5	0.0	0.0%
4.9%	47.4	47.4	0.0	-0.1%
6.2%	47.4	47.2	-0.2	-0.4%
7.4%	47.4	47.1	-0.3	-0.6%
8.6%	47.1	47.1	0.0	-0.1%
9.9%	46.8	46.9	0.1	0.2%
11.1%	46.7	46.8	0.1	0.2%
12.3%	46.7	46.8	0.0	0.1%
13.6%	46.7	46.7	0.0	0.0%
14.8%	46.7	46.7	0.0	0.0%
16.0%	46.4	46.7	0.2	0.5%
17.3%	46.3	46.4	0.1	0.2%
18.5%	46.3	46.4	0.0	0.1%
19.8%	46.3	46.3	0.0	0.1%
21.0%	46.2	46.3	0.1	0.3%
22.2%	46.1	46.1	0.0	0.0%
23.5%	46.1	46.0	-0.1	-0.2%
24.7%	46.1	46.0	-0.1	-0.1%
25.9%	46.0	46.0	0.0	-0.1%
27.2%	46.0	46.0	0.0	0.0%
28.4%	46.0	45.9	0.0	0.0%
29.6%	45.9	45.9	0.0	0.0%
30.9%	45.9	45.9	0.0	-0.1%
32.1%	45.8	45.9	0.0	0.1%
33.3%	45.8	45.8	0.0	0.0%
34.6%	45.8	45.8	0.0	0.1%
35.8%	45.8	45.8	0.1	0.1%
37.0%	45.7	45.8	0.0	0.1%
38.3%	45.7	45.7	0.0	0.0%
39.5%	45.7	45.7	0.0	0.0%
40.7%	45.7	45.7	0.0	0.0%
42.0%	45.7	45.7	0.0	0.0%
43.2%	45.6	45.6	0.0	0.1%
44.4%	45.6	45.6	0.0	0.1%
45.7%	45.5	45.6	0.0	0.1%
46.9%	45.5	45.6	0.0	0.1%
48.1%	45.5	45.6	0.0	0.1%
49.4%	45.5	45.6	0.0	0.1%
50.6%	45.5	45.5	0.1	0.2%
51.9%	45.5	45.5	0.0	0.0%
53.1%	45.5	45.5	0.0	0.0%
54.3%	45.5	45.5	0.0	0.0%
55.6%	45.4	45.5	0.0	0.0%
56.8%	45.4	45.5	0.0	0.0%
58.0%	45.4	45.5	0.0	0.1%
59.3%	45.4	45.4	0.0	0.1%
60.5%	45.4	45.4	0.0	0.1%
61.7%	45.4	45.4	0.0	0.1%
63.0%	45.4	45.4	0.0	0.1%
64.2%	45.4	45.4	0.0	0.0%
65.4%	45.4	45.4	0.0	0.0%
66.7%	45.3	45.3	-0.1	-0.2%
67.9%	45.3	45.2	-0.1	-0.2%
69.1%	45.2	45.2	0.0	-0.1%
70.4%	45.2	45.2	0.0	0.0%
71.6%	45.1	45.2	0.0	0.0%
72.8%	45.1	45.0	-0.1	-0.2%
74.1%	45.0	45.0	0.0	-0.1%
75.3%	45.0	45.0	-0.1	-0.2%
76.5%	44.9	44.9	0.0	0.0%
77.8%	44.9	44.9	0.0	0.0%
79.0%	44.9	44.9	0.0	-0.1%
80.2%	44.9	44.8	0.0	-0.1%
81.5%	44.8	44.8	0.0	0.0%
82.7%	44.8	44.8	0.0	-0.1%
84.0%	44.8	44.8	-0.1	-0.1%
85.2%	44.8	44.8	0.0	-0.1%
86.4%	44.8	44.8	0.0	-0.1%
87.7%	44.8	44.7	0.0	-0.1%
88.9%	44.4	44.4	0.0	0.0%
90.1%	44.4	44.3	0.0	0.0%
91.4%	44.3	44.3	0.0	0.0%
92.6%	44.2	44.3	0.1	0.2%
93.8%	44.1	44.2	0.0	0.1%
95.1%	44.1	44.1	0.0	0.0%
96.3%	44.1	44.1	-0.1	-0.1%
97.5%	44.0	44.0	0.0	0.0%
98.8%	44.0	44.0	0.0	0.0%
100.0%	44.0	44.0	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	49.9	49.9	0.0	0.0%
1.2%	49.8	49.8	0.0	0.0%
2.5%	49.4	49.1	-0.3	-0.5%
3.7%	49.1	49.0	0.0	0.0%
4.9%	48.9	48.7	-0.2	-0.4%
6.2%	48.7	48.6	-0.1	-0.1%
7.4%	48.6	48.6	0.0	0.0%
8.6%	48.2	48.6	0.3	0.7%
9.9%	48.2	48.5	0.2	0.5%
11.1%	48.2	48.2	0.0	0.1%
12.3%	48.1	48.2	0.1	0.1%
13.6%	48.0	48.1	0.1	0.2%
14.8%	48.0	48.1	0.1	0.1%
16.0%	48.0	48.1	0.1	0.1%
17.3%	48.0	48.0	0.0	0.1%
18.5%	47.8	48.0	0.2	0.4%
19.8%	47.8	47.8	0.1	0.2%
21.0%	47.7	47.7	0.0	0.1%
22.2%	47.6	47.7	0.0	0.1%
23.5%	47.6	47.7	0.0	0.0%
24.7%	47.5	47.6	0.1	0.2%
25.9%	47.5	47.5	0.0	0.1%
27.2%	47.5	47.5	0.1	0.1%
28.4%	47.4	47.5	0.0	0.1%
29.6%	47.4	47.5	0.1	0.2%
30.9%	47.4	47.4	0.0	0.1%
32.1%	47.4	47.4	0.0	0.0%
33.3%	47.4	47.4	0.0	0.0%
34.6%	47.3	47.4	0.0	0.1%
35.8%	47.3	47.4	0.1	0.1%
37.0%	47.2	47.4	0.1	0.3%
38.3%	47.2	47.2	0.0	0.0%
39.5%	47.2	47.2	0.0	0.0%
40.7%	47.2	47.1	0.0	0.0%
42.0%	47.1	47.1	0.0	0.0%
43.2%	47.1	47.1	0.0	0.0%
44.4%	47.1	47.1	0.0	0.0%
45.7%	47.1	47.1	0.0	0.0%
46.9%	47.0	47.0	0.0	-0.1%
48.1%	47.0	47.0	0.0	-0.1%
49.4%	47.0	46.9	-0.1	-0.2%
50.6%	47.0	46.9	-0.1	-0.2%
51.9%	46.9	46.8	-0.1	-0.1%
53.1%	46.9	46.8	0.0	-0.1%
54.3%	46.8	46.8	0.0	-0.1%
55.6%	46.8	46.8	0.0	0.0%
56.8%	46.8	46.8	0.0	0.0%
58.0%	46.8	46.8	0.0	0.0%
59.3%	46.8	46.8	0.0	0.0%
60.5%	46.7	46.7	0.0	0.0%
61.7%	46.7	46.7	0.0	0.0%
63.0%	46.7	46.7	0.0	0.0%
64.2%	46.7	46.6	0.0	-0.1%
65.4%	46.7	46.6	0.0	0.0%
66.7%	46.6	46.6	0.0	-0.1%
67.9%	46.6	46.5	0.0	-0.1%
69.1%	46.6	46.5	-0.1	-0.2%
70.4%	46.6	46.5	-0.1	-0.1%
71.6%	46.5	46.5	-0.1	-0.2%
72.8%	46.5	46.4	-0.1	-0.2%
74.1%	46.5	46.4	-0.1	-0.1%
75.3%	46.5	46.4	-0.1	-0.2%
76.5%	46.4	46.4	0.0	0.0%
77.8%	46.3	46.4	0.0	0.1%
79.0%	46.3	46.4	0.0	0.0%
80.2%	46.3	46.3	0.0	0.0%
81.5%	46.3	46.3	0.0	0.0%
82.7%	46.2	46.2	0.0	0.0%
84.0%	46.1	46.1	0.0	0.0%
85.2%	46.1	46.1	0.0	0.0%
86.4%	46.0	46.0	0.0	-0.1%
87.7%	46.0	46.0	0.0	0.0%
88.9%	45.8	45.9	0.1	0.3%
90.1%	45.7	45.8	0.1	0.2%
91.4%	45.7	45.7	0.0	0.0%
92.6%	45.6	45.7	0.1	0.2%
93.8%	45.6	45.4	-0.1	-0.3%
95.1%	45.4	45.4	0.0	0.0%
96.3%	45.4	45.3	-0.1	-0.3%
97.5%	45.1	45.2	0.1	0.2%
98.8%	45.0	45.1	0.1	0.2%
100.0%	45.0	45.1	0.1	0.2%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	50.8	50.8	0.0	0.1%
1.2%	50.7	50.7	0.0	0.0%
2.5%	50.5	50.5	0.0	-0.1%
3.7%	50.4	50.4	0.0	0.0%
4.9%	50.3	49.9	-0.4	-0.8%
6.2%	49.8	49.7	-0.1	-0.3%
7.4%	49.6	49.6	0.0	-0.1%
8.6%	49.4	49.5	0.1	0.2%
9.9%	49.4	49.5	0.1	0.2%
11.1%	49.3	49.5	0.1	0.2%
12.3%	49.3	49.4	0.1	0.3%
13.6%	49.2	49.4	0.2	0.4%
14.8%	49.2	49.3	0.1	0.2%
16.0%	49.2	49.2	0.1	0.2%
17.3%	49.1	49.1	0.0	0.0%
18.5%	49.1	49.1	0.0	0.0%
19.8%	49.1	49.1	0.0	0.0%
21.0%	49.0	49.0	0.0	-0.1%
22.2%	49.0	48.9	0.0	-0.1%
23.5%	49.0	48.9	0.0	0.0%
24.7%	48.9	48.9	0.0	-0.1%
25.9%	48.9	48.8	-0.1	-0.1%
27.2%	48.8	48.8	-0.1	-0.1%
28.4%	48.7	48.8	0.0	0.0%
29.6%	48.7	48.7	0.0	0.1%
30.9%	48.7	48.7	0.1	0.1%
32.1%	48.7	48.7	0.0	0.1%
33.3%	48.6	48.7	0.0	0.1%
34.6%	48.6	48.6	0.0	0.0%
35.8%	48.6	48.6	0.0	0.1%
37.0%	48.5	48.6	0.0	0.1%
38.3%	48.5	48.6	0.1	0.1%
39.5%	48.5	48.5	0.0	0.1%
40.7%	48.5	48.5	0.0	0.1%
42.0%	48.5	48.5	0.0	0.0%
43.2%	48.4	48.4	0.0	0.0%
44.4%	48.4	48.4	-0.1	-0.1%
45.7%	48.4	48.3	-0.1	-0.1%
46.9%	48.4	48.3	-0.1	-0.2%
48.1%	48.4	48.2	-0.1	-0.3%
49.4%	48.3	48.1	-0.2	-0.3%
50.6%	48.2	48.1	-0.2	-0.3%
51.9%	48.2	48.1	-0.1	-0.3%
53.1%	48.1	48.1	0.0	0.0%
54.3%	48.1	48.0	-0.1	-0.1%
55.6%	48.0	48.0	0.0	0.0%
56.8%	48.0	48.0	0.0	-0.1%
58.0%	48.0	47.9	0.0	0.0%
59.3%	47.9	47.8	-0.1	-0.1%
60.5%	47.9	47.8	-0.1	-0.1%
61.7%	47.9	47.8	-0.1	-0.1%
63.0%	47.8	47.8	-0.1	-0.1%
64.2%	47.8	47.8	-0.1	-0.1%
65.4%	47.8	47.8	-0.1	-0.1%
66.7%	47.8	47.7	0.0	-0.1%
67.9%	47.7	47.7	0.0	0.0%
69.1%	47.7	47.7	0.0	0.0%
70.4%	47.7	47.6	-0.1	-0.1%
71.6%	47.6	47.6	0.0	0.0%
72.8%	47.6	47.5	0.0	-0.1%
74.1%	47.5	47.5	0.0	0.0%
75.3%	47.5	47.5	0.0	0.0%
76.5%	47.5	47.4	-0.1	-0.2%
77.8%	47.5	47.4	-0.1	-0.2%
79.0%	47.3	47.3	0.0	0.1%
80.2%	47.3	47.3	0.0	0.0%
81.5%	47.2	47.2	0.0	0.0%
82.7%	47.2	47.2	0.0	0.0%
84.0%	47.2	47.2	0.0	0.0%
85.2%	47.1	47.1	0.0	0.0%
86.4%	47.1	47.1	0.0	0.1%
87.7%	47.0	47.0	-0.1	-0.1%
88.9%	47.0	46.9	-0.1	-0.1%
90.1%	46.9	46.9	0.0	0.0%
91.4%	46.9	46.9	0.0	0.0%
92.6%	46.8	46.9	0.1	0.2%
93.8%	46.7	46.6	-0.1	-0.1%
95.1%	46.6	46.5	-0.2	-0.4%
96.3%	46.4	46.4	0.0	0.0%
97.5%	46.4	46.4	0.0	0.0%
98.8%	46.3	46.2	-0.1	-0.2%
100.0%	46.3	46.2	-0.1	-0.2%

Table SQ13-1b

Clear Creek below Whiskeytown, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.0	55.0	0.0	0.1%
1.2%	52.4	52.4	0.0	0.0%
2.5%	52.1	52.2	0.1	0.2%
3.7%	52.1	52.1	0.0	0.0%
4.9%	52.0	52.1	0.1	0.2%
6.2%	51.6	51.6	0.0	0.0%
7.4%	51.6	51.5	-0.1	-0.2%
8.6%	51.4	51.3	-0.1	-0.2%
9.9%	51.4	51.3	-0.1	-0.3%
11.1%	51.2	51.2	0.0	0.0%
12.3%	51.2	51.1	0.0	0.0%
13.6%	51.1	51.0	0.0	-0.1%
14.8%	51.0	51.0	0.0	-0.1%
16.0%	51.0	51.0	0.0	0.0%
17.3%	50.9	50.9	0.0	0.0%
18.5%	50.9	50.7	-0.2	-0.3%
19.8%	50.8	50.7	-0.1	-0.2%
21.0%	50.7	50.6	-0.1	-0.2%
22.2%	50.7	50.6	-0.1	-0.3%
23.5%	50.6	50.6	0.0	0.0%
24.7%	50.5	50.4	0.0	-0.1%
25.9%	50.4	50.4	0.0	-0.1%
27.2%	50.4	50.4	0.0	0.0%
28.4%	50.4	50.4	0.0	0.0%
29.6%	50.3	50.3	-0.1	-0.2%
30.9%	50.3	50.2	-0.1	-0.2%
32.1%	50.2	50.1	-0.1	-0.2%
33.3%	50.1	50.1	0.0	-0.1%
34.6%	50.1	50.0	-0.1	-0.2%
35.8%	50.0	50.0	0.0	0.0%
37.0%	49.9	50.0	0.0	0.0%
38.3%	49.9	49.9	-0.1	-0.1%
39.5%	49.9	49.9	0.0	0.0%
40.7%	49.9	49.9	0.0	0.0%
42.0%	49.9	49.8	-0.1	-0.1%
43.2%	49.8	49.8	0.0	0.0%
44.4%	49.8	49.8	0.0	0.0%
45.7%	49.8	49.7	0.0	0.0%
46.9%	49.7	49.7	0.0	0.0%
48.1%	49.7	49.7	0.0	0.0%
49.4%	49.7	49.7	0.0	0.0%
50.6%	49.7	49.7	0.0	0.0%
51.9%	49.7	49.6	0.0	-0.1%
53.1%	49.7	49.6	0.0	0.0%
54.3%	49.6	49.5	-0.1	-0.3%
55.6%	49.5	49.5	-0.1	-0.1%
56.8%	49.5	49.5	0.0	-0.1%
58.0%	49.5	49.4	-0.1	-0.2%
59.3%	49.5	49.4	-0.1	-0.3%
60.5%	49.5	49.3	-0.1	-0.2%
61.7%	49.4	49.3	-0.1	-0.2%
63.0%	49.4	49.3	-0.1	-0.2%
64.2%	49.4	49.3	-0.1	-0.2%
65.4%	49.3	49.3	0.0	0.0%
66.7%	49.3	49.2	0.0	0.0%
67.9%	49.2	49.2	0.0	0.0%
69.1%	49.2	49.1	-0.1	-0.2%
70.4%	49.2	49.1	-0.1	-0.2%
71.6%	49.1	49.1	0.0	-0.1%
72.8%	49.1	49.1	0.0	-0.1%
74.1%	49.1	49.0	0.0	0.0%
75.3%	49.0	49.0	0.0	0.0%
76.5%	49.0	48.8	-0.2	-0.3%
77.8%	48.8	48.7	-0.1	-0.3%
79.0%	48.7	48.7	0.0	0.0%
80.2%	48.7	48.7	0.0	0.0%
81.5%	48.7	48.6	0.0	0.0%
82.7%	48.6	48.6	0.0	0.0%
84.0%	48.6	48.6	0.1	0.1%
85.2%	48.5	48.5	0.0	0.0%
86.4%	48.5	48.5	-0.1	-0.1%
87.7%	48.4	48.4	0.0	-0.1%
88.9%	48.4	48.3	-0.1	-0.3%
90.1%	48.4	48.3	-0.1	-0.3%
91.4%	48.3	48.2	-0.1	-0.2%
92.6%	48.1	48.1	0.0	-0.1%
93.8%	48.1	48.0	-0.1	-0.2%
95.1%	47.9	47.9	0.0	0.0%
96.3%	47.9	47.9	-0.1	-0.1%
97.5%	47.8	47.8	0.0	0.0%
98.8%	47.8	47.7	-0.1	-0.2%
100.0%	47.8	47.7	-0.1	-0.2%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.3	54.4	0.2	0.3%
1.2%	54.0	54.0	0.0	0.0%
2.5%	53.6	53.4	-0.2	-0.3%
3.7%	53.4	53.4	0.0	0.0%
4.9%	53.3	53.3	0.0	0.0%
6.2%	53.3	53.3	0.0	0.0%
7.4%	53.3	53.3	0.0	0.0%
8.6%	53.3	53.3	0.0	0.0%
9.9%	52.8	53.0	0.2	0.4%
11.1%	52.8	53.0	0.2	0.5%
12.3%	52.7	52.9	0.2	0.4%
13.6%	52.7	52.8	0.1	0.1%
14.8%	52.7	52.7	0.0	0.0%
16.0%	52.6	52.6	0.0	-0.1%
17.3%	52.6	52.3	-0.2	-0.4%
18.5%	52.5	52.3	-0.2	-0.4%
19.8%	52.4	52.2	-0.2	-0.4%
21.0%	52.4	52.2	-0.2	-0.3%
22.2%	52.4	52.2	-0.2	-0.3%
23.5%	52.3	52.2	-0.1	-0.3%
24.7%	52.3	52.2	-0.1	-0.3%
25.9%	52.3	52.2	-0.1	-0.2%
27.2%	52.2	52.1	-0.1	-0.2%
28.4%	52.2	52.1	-0.1	-0.1%
29.6%	52.1	52.1	0.0	-0.1%
30.9%	52.1	52.0	-0.1	-0.1%
32.1%	52.0	52.0	0.0	-0.1%
33.3%	52.0	52.0	0.0	0.0%
34.6%	51.9	52.0	0.0	0.0%
35.8%	51.8	51.9	0.0	0.1%
37.0%	51.8	51.8	0.0	0.1%
38.3%	51.8	51.7	0.0	0.0%
39.5%	51.7	51.7	-0.1	-0.1%
40.7%	51.7	51.6	0.0	-0.1%
42.0%	51.6	51.6	0.0	-0.1%
43.2%	51.6	51.6	0.0	0.0%
44.4%	51.6	51.6	0.0	0.0%
45.7%	51.6	51.6	0.0	0.0%
46.9%	51.5	51.6	0.0	0.1%
48.1%	51.5	51.5	0.0	0.0%
49.4%	51.5	51.5	0.0	0.0%
50.6%	51.5	51.5	0.0	0.0%
51.9%	51.5	51.5	0.0	0.0%
53.1%	51.5	51.5	0.0	0.0%
54.3%	51.4	51.5	0.0	0.0%
55.6%	51.4	51.4	0.0	0.0%
56.8%	51.4	51.4	0.0	0.0%
58.0%	51.4	51.3	-0.1	-0.3%
59.3%	51.4	51.3	-0.1	-0.3%
60.5%	51.4	51.2	-0.1	-0.3%
61.7%	51.3	51.2	-0.1	-0.2%
63.0%	51.3	51.2	-0.1	-0.2%
64.2%	51.3	51.2	-0.1	-0.2%
65.4%	51.3	51.1	-0.1	-0.2%
66.7%	51.2	51.1	-0.1	-0.2%
67.9%	51.1	51.0	-0.1	-0.3%
69.1%	51.1	51.0	-0.1	-0.3%
70.4%	51.1	50.9	-0.2	-0.4%
71.6%	50.9	50.9	0.0	0.0%
72.8%	50.9	50.9	-0.1	-0.1%
74.1%	50.9	50.8	0.0	-0.1%
75.3%	50.9	50.8	0.0	-0.1%
76.5%	50.9	50.8	0.0	-0.1%
77.8%	50.9	50.8	-0.1	-0.1%
79.0%	50.8	50.6	-0.2	-0.4%
80.2%	50.8	50.5	-0.3	-0.7%
81.5%	50.7	50.4	-0.2	-0.5%
82.7%	50.5	50.4	0.0	-0.1%
84.0%	50.5	50.4	-0.1	-0.1%
85.2%	50.4	50.3	-0.1	-0.2%
86.4%	50.4	50.3	-0.1	-0.2%
87.7%	50.3	50.3	0.0	0.0%
88.9%	50.2	50.2	0.0	0.0%
90.1%	50.2	50.2	0.0	-0.1%
91.4%	50.2	50.0	-0.2	-0.4%
92.6%	50.2	50.0	-0.2	-0.5%
93.8%	50.0	49.7	-0.3	-0.6%
95.1%	49.8	49.7	-0.1	-0.2%
96.3%	49.7	49.6	0.0	-0.1%
97.5%	49.6	49.6	0.0	0.0%
98.8%	49.6	49.5	0.0	-0.1%
100.0%	49.6	49.5	0.0	-0.1%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.9	56.9	-1.0	-1.7%
1.2%	54.8	54.7	-0.1	-0.1%
2.5%	54.2	54.3	0.1	0.2%
3.7%	54.1	54.0	-0.1	-0.2%
4.9%	54.0	54.0	0.0	0.0%
6.2%	53.9	54.0	0.1	0.1%
7.4%	53.9	54.0	0.0	0.1%
8.6%	53.8	53.8	0.0	0.1%
9.9%	53.7	53.8	0.0	0.1%
11.1%	53.7	53.7	0.0	0.0%
12.3%	53.7	53.7	0.0	0.0%
13.6%	53.6	53.7	0.1	0.2%
14.8%	53.5	53.7	0.2	0.3%
16.0%	53.5	53.6	0.0	0.1%
17.3%	53.5	53.5	0.0	-0.1%
18.5%	53.3	53.3	0.0	-0.1%
19.8%	53.3	53.3	0.0	0.0%
21.0%	53.3	53.2	-0.1	-0.2%
22.2%	53.3	53.2	-0.1	-0.1%
23.5%	53.1	53.2	0.0	0.0%
24.7%	53.1	53.2	0.1	0.1%
25.9%	53.1	53.0	-0.1	-0.1%
27.2%	53.1	53.0	-0.1	-0.2%
28.4%	53.0	52.9	-0.1	-0.2%
29.6%	52.9	52.8	-0.2	-0.3%
30.9%	52.8	52.7	-0.2	-0.3%
32.1%	52.8	52.7	-0.2	-0.3%
33.3%	52.7	52.6	-0.1	-0.2%
34.6%	52.7	52.6	-0.2	-0.3%
35.8%	52.7	52.6	-0.1	-0.3%
37.0%	52.6	52.5	-0.1	-0.2%
38.3%	52.6	52.5	-0.1	-0.2%
39.5%	52.6	52.5	-0.1	-0.2%
40.7%	52.6	52.5	-0.1	-0.2%
42.0%	52.5	52.4	-0.1	-0.2%
43.2%	52.5	52.3	-0.1	-0.3%
44.4%	52.5	52.3	-0.2	-0.3%
45.7%	52.4	52.2	-0.2	-0.4%
46.9%	52.3	52.2	-0.1	-0.2%
48.1%	52.3	52.1	-0.2	-0.4%
49.4%	52.3	52.1	-0.2	-0.4%
50.6%	52.2	52.0	-0.2	-0.4%
51.9%	52.2	52.0	-0.2	-0.4%
53.1%	52.2	52.0	-0.2	-0.5%
54.3%	52.0	52.0	-0.1	-0.1%
55.6%	52.0	51.9	-0.1	-0.1%
56.8%	52.0	51.9	-0.1	-0.2%
58.0%	52.0	51.8	-0.1	-0.2%
59.3%	51.9	51.8	-0.2	-0.4%
60.5%	51.9	51.7	-0.1	-0.2%
61.7%	51.9	51.7	-0.1	-0.2%
63.0%	51.8	51.7	0.0	-0.1%
64.2%	51.8	51.7	-0.1	-0.1%
65.4%	51.7	51.6	-0.1	-0.2%
66.7%	51.7	51.6	-0.2	-0.3%
67.9%	51.7	51.6	-0.2	-0.3%
69.1%	51.7	51.5	-0.1	-0.2%
70.4%	51.6	51.5	-0.1	-0.3%
71.6%	51.5	51.5	-0.1	-0.1%
72.8%	51.5	51.4	-0.1	-0.2%
74.1%	51.5	51.3	-0.2	-0.4%
75.3%	51.5	51.3	-0.2	-0.4%
76.5%	51.4	51.3	-0.2	-0.3%
77.8%	51.4	51.2	-0.2	-0.4%
79.0%	51.4	51.2	-0.2	-0.4%
80.2%	51.4	51.2	-0.2	-0.4%
81.5%	51.4	51.1	-0.2	-0.4%
82.7%	51.3	51.1	-0.2	-0.3%
84.0%	51.3	51.0	-0.3	-0.6%
85.2%	51.3	50.8	-0.4	-0.8%
86.4%	51.2	50.8	-0.4	-0.8%
87.7%	51.2	50.8	-0.4	-0.7%
88.9%	51.1	50.7	-0.4	-0.7%
90.1%	51.1	50.7	-0.4	-0.8%
91.4%	51.1	50.7	-0.4	-0.8%
92.6%	51.1	50.7	-0.4	-0.8%
93.8%	51.0	50.6	-0.4	-0.9%
95.1%	50.8	50.6	-0.3	-0.6%
96.3%	50.8	50.5	-0.2	-0.5%
97.5%	50.7	50.3	-0.4	-0.8%
98.8%	50.1	50.0	-0.2	-0.3%
100.0%	50.1	50.0	-0.2	-0.3%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.2	58.9	-1.3	-2.2%
1.2%	56.0	56.0	0.0	0.0%
2.5%	56.0	55.9	0.0	0.0%
3.7%	55.2	55.0	-0.2	-0.3%
4.9%	54.9	54.7	-0.3	-0.5%
6.2%	54.7	54.5	-0.2	-0.4%
7.4%	54.5	54.5	0.0	-0.1%
8.6%	54.1	54.0	-0.1	-0.1%
9.9%	54.0	54.0	0.0	-0.1%
11.1%	54.0	53.9	0.0	-0.1%
12.3%	53.9	53.9	0.0	0.0%
13.6%	53.9	53.9	0.0	0.1%
14.8%	53.7	53.9	0.1	0.3%
16.0%	53.7	53.8	0.1	0.3%
17.3%	53.6	53.7	0.1	0.1%
18.5%	53.6	53.6	0.0	-0.1%
19.8%	53.5	53.5	0.0	0.0%
21.0%	53.5	53.5	0.0	0.0%
22.2%	53.2	53.3	0.1	0.2%
23.5%	53.2	53.3	0.1	0.1%
24.7%	53.2	53.2	0.0	0.1%
25.9%	53.1	53.1	0.1	0.1%
27.2%	53.0	52.8	-0.3	-0.5%
28.4%	52.9	52.7	-0.2	-0.4%
29.6%	52.7	52.6	-0.1	-0.2%
30.9%	52.7	52.5	-0.2	-0.3%
32.1%	52.7	52.4	-0.3	-0.5%
33.3%	52.5	52.4	-0.2	-0.3%
34.6%	52.5	52.3	-0.2	-0.3%
35.8%	52.4	52.3	-0.1	-0.2%
37.0%	52.4	52.2	-0.1	-0.3%
38.3%	52.4	52.2	-0.2	-0.4%
39.5%	52.3	52.1	-0.2	-0.3%
40.7%	52.2	51.9	-0.3	-0.5%
42.0%	52.2	51.9	-0.3	-0.5%
43.2%	52.1	51.9	-0.3	-0.5%
44.4%	52.1	51.9	-0.3	-0.5%
45.7%	52.1	51.8	-0.3	-0.6%
46.9%	52.1	51.8	-0.3	-0.5%
48.1%	51.9	51.8	-0.2	-0.3%
49.4%	51.9	51.8	-0.1	-0.2%
50.6%	51.8	51.7	-0.1	-0.1%
51.9%	51.8	51.7	-0.1	-0.2%
53.1%	51.7	51.6	-0.2	-0.4%
54.3%	51.7	51.5	-0.2	-0.4%
55.6%	51.7	51.5	-0.2	-0.3%
56.8%	51.6	51.4	-0.3	-0.5%
58.0%	51.5	51.4	-0.1	-0.3%
59.3%	51.5	51.3	-0.2	-0.4%
60.5%	51.4	51.3	-0.2	-0.3%
61.7%	51.3	51.2	-0.1	-0.1%
63.0%	51.3	51.2	-0.1	-0.1%
64.2%	51.2	51.1	-0.1	-0.2%
65.4%	51.2	51.1	0.0	-0.1%
66.7%	51.2	51.1	0.0	-0.1%
67.9%	51.1	51.1	0.0	0.0%
69.1%	51.1	51.0	-0.1	-0.2%
70.4%	51.0	51.0	-0.1	-0.2%
71.6%	51.0	50.9	-0.1	-0.1%
72.8%	50.9	50.8	-0.1	-0.2%
74.1%	50.9	50.8	-0.1	-0.2%
75.3%	50.9	50.8	-0.1	-0.2%
76.5%	50.9	50.8	-0.1	-0.2%
77.8%	50.8	50.7	-0.2	-0.3%
79.0%	50.7	50.7	-0.1	-0.2%
80.2%	50.7	50.6	-0.1	-0.1%
81.5%	50.7	50.5	-0.2	-0.3%
82.7%	50.6	50.5	-0.1	-0.3%
84.0%	50.6	50.5	-0.1	-0.2%
85.2%	50.5	50.4	-0.2	-0.4%
86.4%	50.5	50.2	-0.3	-0.5%
87.7%	50.5	50.2	-0.3	-0.5%
88.9%	50.5	50.2	-0.3	-0.5%
90.1%	50.3	50.2	-0.1	-0.3%
91.4%	50.2	50.2	0.0	-0.1%
92.6%	50.2	50.2	0.0	0.0%
93.8%	50.1	49.8	-0.3	-0.6%
95.1%	50.0	49.8	-0.2	-0.3%
96.3%	49.9	49.7	-0.2	-0.3%
97.5%	49.8	49.7	-0.1	-0.2%
98.8%	49.6	49.6	0.0	0.1%
100.0%	49.6	49.6	0.0	0.1%

Table SQ13-1b

Clear Creek below Whiskeytown, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.9	55.2	-0.6	-1.2%
1.2%	54.3	54.4	0.1	0.2%
2.5%	53.6	53.6	0.0	0.0%
3.7%	53.5	53.5	-0.1	-0.1%
4.9%	53.4	53.3	0.0	-0.1%
6.2%	53.2	53.2	0.0	0.0%
7.4%	53.1	53.1	-0.1	-0.1%
8.6%	53.1	53.0	-0.1	-0.2%
9.9%	53.0	52.9	0.0	-0.1%
11.1%	52.9	52.9	0.0	0.1%
12.3%	52.8	52.9	0.1	0.3%
13.6%	52.7	52.8	0.2	0.3%
14.8%	52.6	52.8	0.1	0.3%
16.0%	52.6	52.8	0.2	0.3%
17.3%	52.5	52.7	0.2	0.3%
18.5%	52.5	52.5	0.0	-0.1%
19.8%	52.5	52.4	-0.1	-0.1%
21.0%	52.5	52.4	-0.1	-0.2%
22.2%	52.4	52.3	-0.1	-0.1%
23.5%	52.3	52.2	-0.1	-0.1%
24.7%	52.2	52.2	0.0	-0.1%
25.9%	52.1	52.1	0.0	-0.1%
27.2%	52.1	52.0	-0.1	-0.2%
28.4%	52.0	51.9	-0.1	-0.2%
29.6%	52.0	51.9	-0.1	-0.1%
30.9%	51.9	51.9	-0.1	-0.2%
32.1%	51.9	51.8	-0.1	-0.3%
33.3%	51.9	51.8	-0.2	-0.3%
34.6%	51.8	51.7	-0.1	-0.2%
35.8%	51.8	51.7	-0.1	-0.2%
37.0%	51.8	51.7	-0.1	-0.3%
38.3%	51.7	51.6	0.0	-0.1%
39.5%	51.6	51.5	0.0	-0.1%
40.7%	51.6	51.5	-0.1	-0.1%
42.0%	51.6	51.5	-0.1	-0.2%
43.2%	51.6	51.5	-0.1	-0.1%
44.4%	51.5	51.5	0.0	-0.1%
45.7%	51.5	51.4	-0.1	-0.2%
46.9%	51.5	51.3	-0.1	-0.2%
48.1%	51.4	51.3	-0.1	-0.2%
49.4%	51.4	51.3	-0.1	-0.3%
50.6%	51.3	51.3	0.0	-0.1%
51.9%	51.3	51.3	0.0	-0.1%
53.1%	51.3	51.2	-0.1	-0.2%
54.3%	51.3	51.1	-0.2	-0.3%
55.6%	51.2	51.1	-0.2	-0.3%
56.8%	51.2	51.1	-0.1	-0.3%
58.0%	51.1	51.0	-0.1	-0.2%
59.3%	51.1	51.0	-0.1	-0.2%
60.5%	51.0	50.9	-0.1	-0.3%
61.7%	51.0	50.9	-0.1	-0.2%
63.0%	51.0	50.8	-0.2	-0.3%
64.2%	50.9	50.8	-0.1	-0.3%
65.4%	50.9	50.7	-0.2	-0.4%
66.7%	50.8	50.7	-0.1	-0.1%
67.9%	50.7	50.7	0.0	0.0%
69.1%	50.7	50.6	-0.1	-0.1%
70.4%	50.7	50.6	-0.1	-0.1%
71.6%	50.7	50.6	-0.1	-0.1%
72.8%	50.6	50.6	0.0	-0.1%
74.1%	50.6	50.6	-0.1	-0.1%
75.3%	50.6	50.5	-0.1	-0.2%
76.5%	50.6	50.5	-0.1	-0.2%
77.8%	50.6	50.4	-0.2	-0.4%
79.0%	50.6	50.3	-0.3	-0.5%
80.2%	50.6	50.3	-0.3	-0.5%
81.5%	50.5	50.3	-0.3	-0.5%
82.7%	50.4	50.1	-0.3	-0.5%
84.0%	50.2	50.1	-0.1	-0.3%
85.2%	50.2	50.1	-0.2	-0.3%
86.4%	50.1	50.0	-0.1	-0.3%
87.7%	50.1	50.0	-0.1	-0.2%
88.9%	50.1	50.0	-0.1	-0.1%
90.1%	50.0	49.9	-0.2	-0.3%
91.4%	50.0	49.8	-0.2	-0.4%
92.6%	50.0	49.8	-0.2	-0.4%
93.8%	50.0	49.8	-0.2	-0.4%
95.1%	49.9	49.7	-0.2	-0.4%
96.3%	49.8	49.7	-0.1	-0.2%
97.5%	49.7	49.6	-0.1	-0.3%
98.8%	49.5	49.4	0.0	0.0%
100.0%	48.9	48.7	-0.2	-0.4%

July to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.1	56.3	-0.9	-1.5%
1.2%	54.5	54.5	0.0	-0.1%
2.5%	54.0	54.2	0.1	0.2%
3.7%	54.0	54.0	0.0	0.0%
4.9%	54.0	53.9	0.0	-0.1%
6.2%	54.0	53.9	0.0	-0.1%
7.4%	53.8	53.6	-0.1	-0.2%
8.6%	53.7	53.6	-0.1	-0.1%
9.9%	53.5	53.6	0.1	0.1%
11.1%	53.5	53.5	0.0	0.1%
12.3%	53.4	53.5	0.1	0.2%
13.6%	53.3	53.5	0.2	0.4%
14.8%	53.2	53.4	0.2	0.3%
16.0%	53.2	53.2	0.0	0.0%
17.3%	53.1	53.0	-0.1	-0.1%
18.5%	53.1	53.0	-0.1	-0.1%
19.8%	53.1	52.9	-0.1	-0.2%
21.0%	53.0	52.9	-0.1	-0.1%
22.2%	53.0	52.9	-0.1	-0.1%
23.5%	52.9	52.9	0.0	-0.1%
24.7%	52.8	52.8	0.0	0.1%
25.9%	52.8	52.8	0.0	0.0%
27.2%	52.7	52.7	0.0	-0.1%
28.4%	52.7	52.7	0.0	0.0%
29.6%	52.6	52.6	0.0	0.1%
30.9%	52.5	52.5	-0.1	-0.1%
32.1%	52.5	52.5	-0.1	-0.1%
33.3%	52.5	52.4	-0.1	-0.1%
34.6%	52.5	52.3	-0.2	-0.3%
35.8%	52.4	52.3	-0.1	-0.2%
37.0%	52.3	52.1	-0.2	-0.3%
38.3%	52.2	52.1	-0.1	-0.1%
39.5%	52.2	52.1	0.0	-0.1%
40.7%	52.1	52.1	0.0	0.0%
42.0%	52.1	52.1	0.0	0.0%
43.2%	52.1	52.1	0.0	0.0%
44.4%	52.1	52.0	-0.1	-0.2%
45.7%	52.0	51.8	-0.2	-0.4%
46.9%	52.0	51.8	-0.2	-0.4%
48.1%	52.0	51.8	-0.2	-0.3%
49.4%	52.0	51.8	-0.2	-0.3%
50.6%	52.0	51.8	-0.2	-0.4%
51.9%	51.9	51.7	-0.3	-0.6%
53.1%	51.9	51.6	-0.3	-0.5%
54.3%	51.8	51.5	-0.2	-0.5%
55.6%	51.8	51.5	-0.3	-0.5%
56.8%	51.7	51.5	-0.2	-0.4%
58.0%	51.6	51.5	-0.1	-0.2%
59.3%	51.5	51.5	-0.1	-0.1%
60.5%	51.5	51.5	-0.1	-0.1%
61.7%	51.5	51.4	-0.1	-0.1%
63.0%	51.5	51.4	-0.1	-0.1%
64.2%	51.4	51.3	-0.1	-0.3%
65.4%	51.4	51.3	-0.1	-0.3%
66.7%	51.4	51.2	-0.1	-0.3%
67.9%	51.3	51.2	-0.1	-0.2%
69.1%	51.3	51.2	-0.1	-0.2%
70.4%	51.3	51.2	-0.1	-0.2%
71.6%	51.2	51.1	-0.2	-0.3%
72.8%	51.2	51.1	-0.1	-0.2%
74.1%	51.1	51.0	-0.1	-0.2%
75.3%	51.1	51.0	-0.2	-0.3%
76.5%	51.1	50.9	-0.2	-0.5%
77.8%	51.1	50.8	-0.3	-0.5%
79.0%	50.9	50.8	-0.2	-0.4%
80.2%	50.9	50.8	-0.2	-0.3%
81.5%	50.9	50.7	-0.2	-0.3%
82.7%	50.8	50.7	-0.2	-0.3%
84.0%	50.8	50.5	-0.3	-0.5%
85.2%	50.8	50.5	-0.2	-0.5%
86.4%	50.8	50.5	-0.2	-0.5%
87.7%	50.7	50.5	-0.3	-0.5%
88.9%	50.7	50.4	-0.3	-0.6%
90.1%	50.7	50.4	-0.2	-0.5%
91.4%	50.6	50.3	-0.3	-0.5%
92.6%	50.5	50.3	-0.2	-0.3%
93.8%	50.4	50.3	-0.1	-0.3%
95.1%	50.4	50.3	-0.1	-0.3%
96.3%	50.3	50.3	0.0	-0.1%
97.5%	50.3	50.2	-0.1	-0.2%
98.8%	50.0	50.0	-0.1	-0.1%
100.0%	49.5	49.2	-0.3	-0.6%

August to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	59.1	57.9	-1.2	-2.0%
1.2%	55.4	55.4	0.0	-0.1%
2.5%	54.8	54.8	0.0	0.0%
3.7%	54.6	54.5	-0.1	-0.2%
4.9%	54.3	54.4	0.1	0.1%
6.2%	54.3	54.3	0.1	0.2%
7.4%	54.0	54.0	0.0	0.0%
8.6%	53.9	53.9	0.0	0.0%
9.9%	53.9	53.8	-0.1	-0.1%
11.1%	53.8	53.8	-0.1	-0.1%
12.3%	53.7	53.8	0.1	0.1%
13.6%	53.6	53.8	0.1	0.2%
14.8%	53.6	53.7	0.1	0.2%
16.0%	53.6	53.6	0.1	0.1%
17.3%	53.6	53.6	0.0	0.0%
18.5%	53.5	53.4	-0.1	-0.2%
19.8%	53.4	53.4	0.0	0.0%
21.0%	53.4	53.4	0.0	0.0%
22.2%	53.3	53.3	0.0	0.0%
23.5%	53.2	53.2	0.0	0.0%
24.7%	53.2	53.2	-0.1	-0.1%
25.9%	53.1	53.0	-0.1	-0.3%
27.2%	53.0	53.0	0.0	0.0%
28.4%	52.9	52.9	0.1	0.1%
29.6%	52.9	52.8	-0.1	-0.2%
30.9%	52.7	52.6	-0.1	-0.2%
32.1%	52.7	52.6	-0.1	-0.1%
33.3%	52.6	52.6	-0.1	-0.1%
34.6%	52.6	52.5	-0.1	-0.1%
35.8%	52.5	52.4	-0.1	-0.2%
37.0%	52.5	52.4	-0.1	-0.2%
38.3%	52.5	52.3	-0.2	-0.3%
39.5%	52.4	52.2	-0.2	-0.4%
40.7%	52.3	52.2	-0.2	-0.3%
42.0%	52.3	52.1	-0.2	-0.4%
43.2%	52.3	52.1	-0.2	-0.4%
44.4%	52.2	52.1	-0.1	-0.2%
45.7%	52.2	52.0	-0.2	-0.3%
46.9%	52.2	52.0	-0.2	-0.4%
48.1%	52.2	51.9	-0.3	-0.5%
49.4%	52.1	51.9	-0.2	-0.3%
50.6%	52.0	51.9	-0.1	-0.2%
51.9%	52.0	51.9	-0.1	-0.2%
53.1%	52.0	51.8	-0.2	-0.3%
54.3%	51.9	51.7	-0.2	-0.4%
55.6%	51.9	51.7	-0.2	-0.4%
56.8%	51.8	51.6	-0.2	-0.4%
58.0%	51.8	51.6	-0.2	-0.4%
59.3%	51.7	51.5	-0.2	-0.4%
60.5%	51.6	51.5	-0.2	-0.3%
61.7%	51.6	51.4	-0.2	-0.3%
63.0%	51.6	51.4	-0.2	-0.3%
64.2%	51.6	51.4	-0.2	-0.3%
65.4%	51.5	51.4	-0.1	-0.2%
66.7%	51.4	51.3	-0.1	-0.1%
67.9%	51.4	51.3	-0.1	-0.2%
69.1%	51.3	51.3	-0.1	-0.1%
70.4%	51.3	51.1	-0.2	-0.4%
71.6%	51.3	51.1	-0.2	-0.3%
72.8%	51.3	51.1	-0.2	-0.4%
74.1%	51.2	51.1	-0.2	-0.4%
75.3%	51.2	51.0	-0.2	-0.4%
76.5%	51.2	51.0	-0.2	-0.4%
77.8%	51.2	50.9	-0.2	-0.5%
79.0%	51.1	50.9	-0.2	-0.4%
80.2%	51.1	50.8	-0.3	-0.6%
81.5%	51.0	50.8	-0.2	-0.4%
82.7%	51.0	50.7	-0.2	-0.5%
84.0%	51.0	50.7	-0.2	-0.5%
85.2%	50.9	50.7	-0.2	-0.3%
86.4%	50.8	50.7	-0.2	-0.3%
87.7%	50.8	50.7	-0.2	-0.3%
88.9%	50.8	50.6	-0.2	-0.5%
90.1%	50.8	50.5	-0.3	-0.5%
91.4%	50.7	50.5	-0.2	-0.5%
92.6%	50.6	50.4	-0.2	-0.3%
93.8%	50.6	50.3	-0.3	-0.5%
95.1%	50.5	50.2	-0.2	-0.4%
96.3%	50.4	50.2	-0.2	-0.4%
97.5%	50.3	50.1	-0.1	-0.2%
98.8%	50.2	50.1	-0.1	-0.2%
100.0%	49.7	49.4	-0.3	-0.5%

Figure SQ14-1b
Clear Creek at Igo, Monthly Temperature
Probability of Exceedance

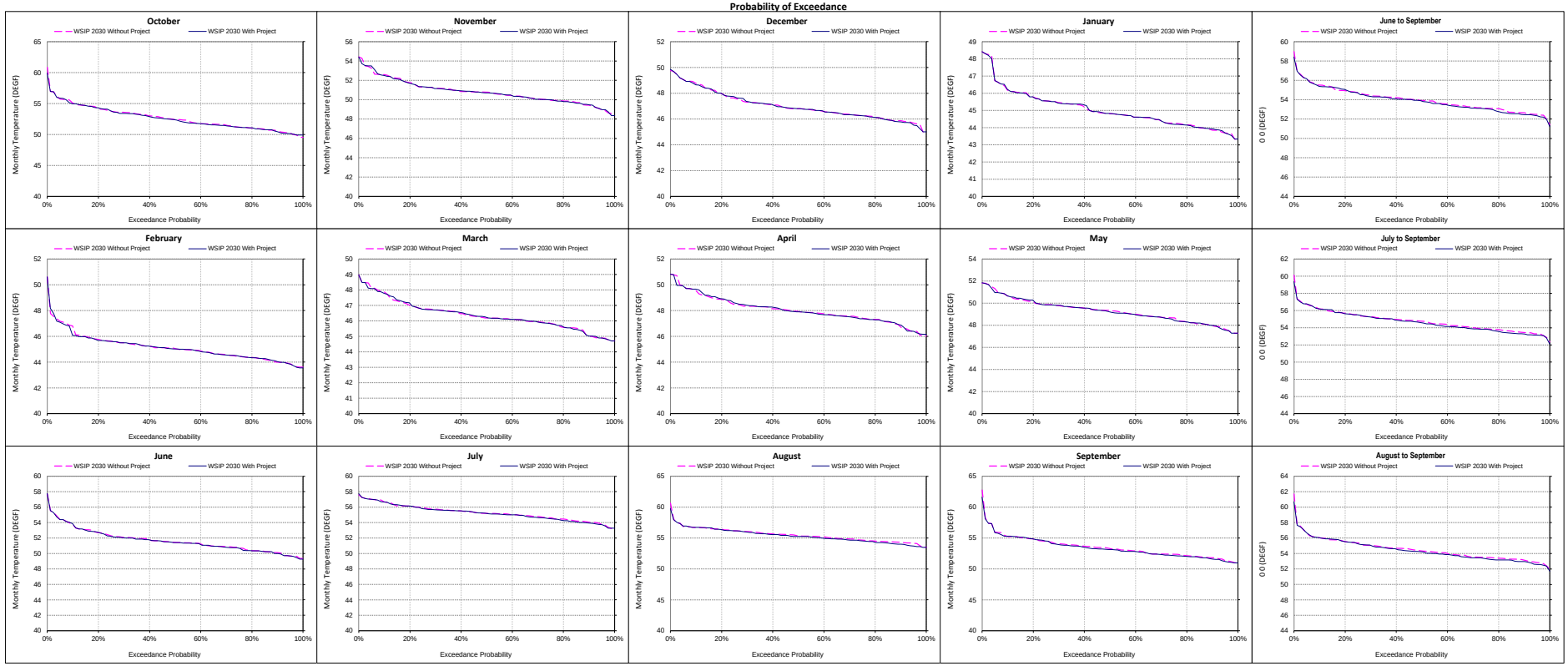


Table SQ14-1b

Clear Creek at Igo, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.9	59.9	-1.0	-1.6%
1.2%	57.0	57.0	0.0	0.0%
2.5%	56.9	56.9	0.0	0.0%
3.7%	56.2	56.0	-0.2	-0.3%
4.9%	55.7	55.9	0.1	0.3%
6.2%	55.7	55.8	0.2	0.3%
7.4%	55.6	55.6	0.0	0.0%
8.6%	55.6	55.2	-0.4	-0.8%
9.9%	55.1	55.0	-0.1	-0.2%
11.1%	54.8	54.9	0.1	0.2%
12.3%	54.8	54.9	0.1	0.1%
13.6%	54.7	54.8	0.0	0.0%
14.8%	54.7	54.7	0.0	0.0%
16.0%	54.6	54.6	-0.1	-0.1%
17.3%	54.6	54.5	0.0	0.0%
18.5%	54.5	54.4	-0.2	-0.3%
19.8%	54.1	54.3	0.2	0.4%
21.0%	54.1	54.2	0.1	0.2%
22.2%	54.0	54.1	0.1	0.1%
23.5%	53.9	54.1	0.2	0.3%
24.7%	53.8	53.8	0.1	0.1%
25.9%	53.7	53.6	-0.1	-0.1%
27.2%	53.6	53.6	0.0	-0.1%
28.4%	53.6	53.4	-0.2	-0.3%
29.6%	53.6	53.4	-0.2	-0.4%
30.9%	53.5	53.4	-0.1	-0.3%
32.1%	53.5	53.4	-0.2	-0.3%
33.3%	53.5	53.4	-0.1	-0.2%
34.6%	53.3	53.3	-0.1	-0.1%
35.8%	53.3	53.2	0.0	-0.1%
37.0%	53.2	53.1	-0.1	-0.3%
38.3%	53.2	53.0	-0.2	-0.3%
39.5%	53.0	52.9	-0.1	-0.2%
40.7%	53.0	52.8	-0.2	-0.3%
42.0%	52.9	52.7	-0.2	-0.3%
43.2%	52.9	52.7	-0.2	-0.5%
44.4%	52.7	52.6	-0.1	-0.2%
45.7%	52.7	52.5	-0.2	-0.3%
46.9%	52.5	52.5	-0.1	-0.1%
48.1%	52.5	52.4	-0.1	-0.1%
49.4%	52.4	52.4	0.0	-0.1%
50.6%	52.4	52.3	-0.1	-0.2%
51.9%	52.4	52.2	-0.3	-0.5%
53.1%	52.3	52.0	-0.3	-0.6%
54.3%	52.3	51.9	-0.4	-0.7%
55.6%	52.1	51.9	-0.2	-0.4%
56.8%	51.9	51.9	-0.1	-0.1%
58.0%	51.9	51.8	0.0	-0.1%
59.3%	51.7	51.8	0.0	0.0%
60.5%	51.7	51.7	0.0	0.0%
61.7%	51.7	51.7	-0.1	-0.1%
63.0%	51.7	51.6	-0.1	-0.2%
64.2%	51.7	51.6	-0.1	-0.2%
65.4%	51.7	51.6	-0.1	-0.2%
66.7%	51.6	51.5	-0.1	-0.2%
67.9%	51.6	51.5	-0.2	-0.3%
69.1%	51.6	51.5	-0.1	-0.3%
70.4%	51.5	51.4	-0.1	-0.1%
71.6%	51.4	51.3	-0.1	-0.1%
72.8%	51.3	51.3	0.0	0.0%
74.1%	51.2	51.2	0.0	0.0%
75.3%	51.2	51.2	0.0	0.0%
76.5%	51.2	51.1	0.0	0.0%
77.8%	51.1	51.1	0.0	0.0%
79.0%	51.1	51.1	0.0	0.1%
80.2%	51.0	51.1	0.1	0.1%
81.5%	51.0	50.9	-0.1	-0.1%
82.7%	50.9	50.9	0.0	-0.1%
84.0%	50.9	50.8	-0.1	-0.2%
85.2%	50.8	50.8	0.0	-0.1%
86.4%	50.7	50.8	0.1	0.2%
87.7%	50.7	50.8	0.1	0.2%
88.9%	50.7	50.6	-0.1	-0.2%
90.1%	50.6	50.4	-0.1	-0.2%
91.4%	50.4	50.3	-0.1	-0.3%
92.6%	50.3	50.2	-0.2	-0.3%
93.8%	50.3	50.2	-0.1	-0.2%
95.1%	50.2	50.2	-0.1	-0.2%
96.3%	50.0	50.0	0.0	0.1%
97.5%	49.9	49.9	0.0	0.0%
98.8%	49.6	49.9	0.4	0.7%
100.0%	49.6	49.9	0.0	0.7%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.4	54.4	0.0	0.0%
1.2%	54.3	53.7	-0.5	-1.0%
2.5%	53.5	53.5	0.0	0.0%
3.7%	53.4	53.5	0.1	0.1%
4.9%	53.3	53.5	0.2	0.4%
6.2%	52.6	53.1	0.5	0.9%
7.4%	52.6	52.7	0.0	0.1%
8.6%	52.6	52.6	-0.1	-0.1%
9.9%	52.6	52.5	-0.1	-0.2%
11.1%	52.5	52.4	-0.1	-0.2%
12.3%	52.4	52.4	0.0	0.1%
13.6%	52.3	52.2	-0.1	-0.2%
14.8%	52.2	52.1	-0.1	-0.2%
16.0%	52.2	52.1	-0.1	-0.3%
17.3%	51.9	51.9	0.0	0.0%
18.5%	51.8	51.8	0.0	0.0%
19.8%	51.8	51.7	-0.1	-0.1%
21.0%	51.8	51.6	-0.1	-0.2%
22.2%	51.5	51.5	0.0	0.1%
23.5%	51.3	51.4	0.0	0.0%
24.7%	51.3	51.4	0.0	0.1%
25.9%	51.3	51.3	0.0	0.0%
27.2%	51.3	51.3	0.0	0.0%
28.4%	51.3	51.3	0.0	0.0%
29.6%	51.2	51.2	0.0	-0.1%
30.9%	51.2	51.2	0.0	0.0%
32.1%	51.2	51.1	0.0	-0.1%
33.3%	51.2	51.1	-0.1	-0.1%
34.6%	51.1	51.0	-0.1	-0.1%
35.8%	51.1	51.0	-0.1	-0.1%
37.0%	51.0	51.0	0.0	0.0%
38.3%	51.0	51.0	0.0	0.0%
39.5%	50.9	50.9	0.1	0.1%
40.7%	50.8	50.9	0.0	0.1%
42.0%	50.8	50.9	0.0	0.1%
43.2%	50.8	50.9	0.1	0.1%
44.4%	50.8	50.9	0.0	0.1%
45.7%	50.8	50.8	0.0	0.0%
46.9%	50.8	50.8	0.0	0.0%
48.1%	50.8	50.7	-0.1	-0.1%
49.4%	50.8	50.7	-0.1	-0.1%
50.6%	50.8	50.7	-0.1	-0.1%
51.9%	50.7	50.7	0.0	-0.1%
53.1%	50.6	50.7	0.0	0.0%
54.3%	50.6	50.6	0.1	0.1%
55.6%	50.5	50.6	0.0	0.1%
56.8%	50.5	50.5	0.0	0.1%
58.0%	50.5	50.5	0.0	0.1%
59.3%	50.4	50.5	0.0	0.1%
60.5%	50.4	50.4	0.0	-0.1%
61.7%	50.4	50.4	0.0	0.0%
63.0%	50.4	50.3	0.0	-0.1%
64.2%	50.3	50.3	0.0	0.1%
65.4%	50.3	50.3	0.0	0.0%
66.7%	50.2	50.2	0.0	0.0%
67.9%	50.2	50.1	0.0	0.0%
69.1%	50.1	50.1	0.0	-0.1%
70.4%	50.1	50.0	0.0	0.0%
71.6%	50.0	50.0	0.0	-0.1%
72.8%	50.0	50.0	0.0	0.0%
74.1%	50.0	50.0	0.0	0.0%
75.3%	49.9	50.0	0.1	0.1%
76.5%	49.9	49.9	0.0	0.0%
77.8%	49.9	49.8	-0.1	-0.2%
79.0%	49.9	49.8	-0.1	-0.1%
80.2%	49.9	49.8	-0.1	-0.1%
81.5%	49.9	49.8	-0.1	-0.1%
82.7%	49.8	49.7	-0.1	-0.2%
84.0%	49.8	49.7	-0.1	-0.2%
85.2%	49.7	49.6	-0.1	-0.1%
86.4%	49.7	49.6	-0.1	-0.1%
87.7%	49.5	49.5	0.0	0.1%
88.9%	49.4	49.5	0.1	0.2%
90.1%	49.4	49.5	0.0	0.1%
91.4%	49.3	49.4	0.2	0.3%
92.6%	49.2	49.2	0.0	0.0%
93.8%	49.1	49.1	0.0	0.1%
95.1%	49.0	49.0	0.0	0.1%
96.3%	48.9	49.0	0.1	0.2%
97.5%	48.6	48.7	0.1	0.2%
98.8%	48.6	48.4	-0.2	-0.4%
100.0%	48.6	48.4	-0.2	-0.4%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	49.8	49.9	0.1	0.2%
1.2%	49.7	49.7	0.0	0.0%
2.5%	49.5	49.5	0.0	0.0%
3.7%	49.2	49.2	0.0	0.0%
4.9%	49.1	49.1	0.0	0.0%
6.2%	48.9	48.9	0.0	0.0%
7.4%	48.9	48.9	0.0	0.0%
8.6%	48.9	48.8	-0.1	-0.2%
9.9%	48.8	48.7	-0.1	-0.2%
11.1%	48.7	48.6	-0.1	-0.1%
12.3%	48.6	48.5	-0.1	-0.2%
13.6%	48.4	48.4	0.0	0.0%
14.8%	48.4	48.4	0.0	0.0%
16.0%	48.2	48.3	0.1	0.2%
17.3%	48.2	48.1	-0.1	-0.3%
18.5%	48.0	48.0	0.0	0.0%
19.8%	48.0	48.0	0.0	0.0%
21.0%	47.9	47.9	0.0	0.0%
22.2%	47.7	47.8	0.1	0.2%
23.5%	47.6	47.8	0.1	0.2%
24.7%	47.6	47.7	0.1	0.2%
25.9%	47.6	47.6	0.1	0.2%
27.2%	47.5	47.6	0.1	0.2%
28.4%	47.4	47.6	0.2	0.5%
29.6%	47.3	47.4	0.1	0.1%
30.9%	47.3	47.3	0.0	0.1%
32.1%	47.3	47.3	0.0	0.0%
33.3%	47.3	47.3	0.0	0.0%
34.6%	47.2	47.2	0.0	0.0%
35.8%	47.2	47.2	0.0	0.1%
37.0%	47.2	47.2	0.0	0.0%
38.3%	47.1	47.2	0.0	0.0%
39.5%	47.1	47.1	0.0	0.1%
40.7%	47.1	47.0	-0.1	-0.1%
42.0%	47.1	47.0	-0.1	-0.2%
43.2%	47.0	46.9	0.0	-0.1%
44.4%	46.9	46.9	0.0	0.1%
45.7%	46.8	46.9	0.0	0.1%
46.9%	46.8	46.8	0.0	0.1%
48.1%	46.8	46.8	0.0	0.1%
49.4%	46.8	46.8	0.0	0.0%
50.6%	46.8	46.8	0.0	0.0%
51.9%	46.8	46.8	0.0	0.0%
53.1%	46.8	46.7	0.0	-0.1%
54.3%	46.7	46.7	0.0	0.0%
55.6%	46.7	46.7	0.0	0.1%
56.8%	46.7	46.7	0.0	0.0%
58.0%	46.7	46.7	0.0	0.0%
59.3%	46.6	46.6	0.0	0.0%
60.5%	46.6	46.5	0.0	0.0%
61.7%	46.5	46.5	0.0	0.0%
63.0%	46.5	46.5	0.0	-0.1%
64.2%	46.5	46.5	0.0	0.1%
65.4%	46.4	46.5	0.0	0.1%
66.7%	46.4	46.4	0.0	0.1%
67.9%	46.4	46.3	-0.1	-0.1%
69.1%	46.4	46.3	-0.1	-0.1%
70.4%	46.4	46.3	0.0	-0.1%
71.6%	46.3	46.3	0.0	-0.1%
72.8%	46.3	46.3	0.0	0.0%
74.1%	46.3	46.3	0.0	0.0%
75.3%	46.3	46.2	0.0	0.0%
76.5%	46.2	46.2	0.0	0.0%
77.8%	46.2	46.2	-0.1	-0.1%
79.0%	46.2	46.2	-0.1	-0.1%
80.2%	46.1	46.1	0.0	0.0%
81.5%	46.1	46.1	0.0	0.0%
82.7%	46.1	46.0	0.0	0.0%
84.0%	46.0	46.0	-0.1	-0.1%
85.2%	46.0	45.9	0.0	-0.1%
86.4%	45.9	45.9	0.0	0.0%
87.7%	45.9	45.8	-0.1	-0.1%
88.9%	45.9	45.8	-0.1	-0.2%
90.1%	45.9	45.8	-0.1	-0.2%
91.4%	45.8	45.7	-0.1	-0.2%
92.6%	45.8	45.7	-0.1	-0.1%
93.8%	45.8	45.7	0.0	-0.1%
95.1%	45.7	45.5	-0.2	-0.3%
96.3%	45.6	45.5	-0.1	-0.3%
97.5%	45.6	45.2	-0.3	-0.8%
98.8%	45.0	45.0	0.0	0.1%
100.0%	45.0	45.0	0.0	0.1%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	48.4	48.4	0.0	0.0%
1.2%	48.3	48.3	0.0	0.0%
2.5%	48.3	48.2	-0.1	-0.1%
3.7%	48.2	48.0	-0.2	-0.4%
4.9%	46.7	46.7	0.0	0.0%
6.2%	46.6	46.6	0.0	0.0%
7.4%	46.5	46.5	0.0	0.0%
8.6%	46.5	46.5	0.1	0.2%
9.9%	46.2	46.2	0.0	0.1%
11.1%	46.1	46.1	0.0	0.0%
12.3%	46.1	46.1	0.0	0.0%
13.6%	46.1	46.0	0.0	-0.1%
14.8%	46.1	46.0	0.0	-0.1%
16.0%	46.0	46.0	0.0	0.0%
17.3%	46.0	46.0	0.0	-0.1%
18.5%	45.8	45.8	0.0	0.0%
19.8%	45.8	45.8	0.0	0.0%
21.0%	45.7	45.7	0.0	-0.1%
22.2%	45.7	45.7	0.0	0.0%
23.5%	45.6	45.6	0.0	-0.1%
24.7%	45.6	45.6	0.0	0.0%
25.9%	45.5	45.5	0.0	0.0%
27.2%	45.5	45.5	0.0	0.0%
28.4%	45.5	45.5	0.0	0.0%
29.6%	45.5	45.4	0.0	-0.1%
30.9%	45.4	45.4	0.0	-0.1%
32.1%	45.4	45.4	0.0	-0.1%
33.3%	45.4	45.4	0.0	0.0%
34.6%	45.4	45.4	0.0	0.0%
35.8%	45.4	45.4	0.0	0.0%
37.0%	45.3	45.4	0.0	0.1%
38.3%	45.3	45.4	0.0	0.1%
39.5%	45.3	45.3	0.1	0.2%
40.7%	45.1	45.3	0.2	0.5%
42.0%	45.0	45.0	0.0	0.0%
43.2%	44.9	44.9	0.0	0.0%
44.4%	44.9	44.9	0.0	0.1%
45.7%	44.9	44.9	0.1	0.1%
46.9%	44.9	44.9	0.0	0.1%
48.1%	44.8	44.8	0.0	0.0%
49.4%	44.8	44.8	0.0	0.0%
50.6%	44.8	44.8	0.0	0.0%
51.9%	44.8	44.8	0.0	0.0%
53.1%	44.8	44.8	0.0	0.0%
54.3%	44.8	44.8	0.0	0.0%
55.6%	44.7	44.7	0.0	0.0%
56.8%	44.7	44.7	0.0	0.0%
58.0%	44.7	44.7	0.0	0.0%
59.3%	44.6	44.6	0.0	0.0%
60.5%	44.6	44.6	0.0	0.0%
61.7%	44.6	44.6	0.0	0.0%
63.0%	44.6	44.6	0.0	0.0%
64.2%	44.6	44.6	0.0	0.0%
65.4%	44.6	44.6	0.0	0.0%
66.7%	44.5	44.5	0.0	0.0%
67.9%	44.5	44.5	0.0	0.0%
69.1%	44.5	44.5	0.0	0.0%
70.4%	44.4	44.4	0.0	0.0%
71.6%	44.3	44.3	0.0	0.0%
72.8%	44.3	44.2	0.0	-0.1%
74.1%	44.3	44.2	-0.1	-0.1%
75.3%	44.2	44.2	-0.1	-0.1%
76.5%	44.2	44.2	-0.1	-0.1%
77.8%	44.2	44.2	0.0	-0.1%
79.0%	44.2	44.2	0.0	0.0%
80.2%	44.2	44.1	0.0	-0.1%
81.5%	44.2	44.1	0.0	-0.1%
82.7%	44.1	44.0	-0.1	-0.1%
84.0%	44.1	44.0	-0.1	-0.1%
85.2%	44.0	44.0	0.0	0.1%
86.4%	44.0	44.0	0.0	0.0%
87.7%	44.0	44.0	0.0	0.0%
88.9%	43.9	43.9	0.0	0.1%
90.1%	43.8	43.9	0.1	0.2%
91.4%	43.8	43.9	0.0	0.1%
92.6%	43.8	43.9	0.0	0.1%
93.8%	43.7	43.8	0.1	0.2%
95.1%	43.7	43.7	0.0	0.0%
96.3%	43.7	43.6	-0.1	-0.1%
97.5%	43.6	43.5	-0.1	-0.2%
98.8%	43.3	43.3	0.0	0.0%
100.0%	43.3	43.3	0.0	0.0%

Table SQ14-1b

Clear Creek at Igo, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	50.6	50.6	0.0	0.0%
1.2%	47.8	48.2	0.4	0.8%
2.5%	47.5	47.8	0.2	0.5%
3.7%	47.4	47.2	-0.2	-0.4%
4.9%	47.2	47.1	-0.1	-0.2%
6.2%	47.1	47.0	-0.1	-0.3%
7.4%	47.0	46.9	-0.1	-0.3%
8.6%	46.9	46.8	-0.1	-0.1%
9.9%	46.8	46.1	-0.7	-1.5%
11.1%	46.1	46.1	-0.1	-0.1%
12.3%	46.1	46.0	-0.1	-0.2%
13.6%	46.0	46.0	0.0	-0.1%
14.8%	46.0	46.0	0.0	-0.1%
16.0%	45.9	45.9	-0.1	-0.2%
17.3%	45.9	45.9	0.0	0.0%
18.5%	45.8	45.8	0.0	0.0%
19.8%	45.8	45.7	-0.1	-0.2%
21.0%	45.7	45.7	0.0	-0.1%
22.2%	45.7	45.7	0.0	0.0%
23.5%	45.7	45.6	0.0	-0.1%
24.7%	45.6	45.6	0.0	0.0%
25.9%	45.6	45.6	0.0	0.0%
27.2%	45.5	45.6	0.0	0.1%
28.4%	45.5	45.5	0.0	0.0%
29.6%	45.5	45.5	0.0	0.0%
30.9%	45.5	45.5	0.0	0.0%
32.1%	45.4	45.4	0.0	0.0%
33.3%	45.4	45.4	0.0	0.1%
34.6%	45.4	45.4	0.1	0.2%
35.8%	45.3	45.4	0.0	0.1%
37.0%	45.3	45.3	0.0	0.0%
38.3%	45.3	45.3	0.0	0.0%
39.5%	45.2	45.3	0.0	0.0%
40.7%	45.2	45.2	0.0	0.0%
42.0%	45.1	45.2	0.1	0.1%
43.2%	45.1	45.1	0.0	0.1%
44.4%	45.1	45.1	0.0	0.0%
45.7%	45.1	45.1	0.0	0.0%
46.9%	45.1	45.1	0.0	-0.1%
48.1%	45.1	45.0	-0.1	-0.1%
49.4%	45.1	45.0	-0.1	-0.1%
50.6%	45.0	45.0	0.0	0.0%
51.9%	45.0	45.0	0.0	0.0%
53.1%	45.0	45.0	0.0	0.0%
54.3%	45.0	45.0	0.0	0.0%
55.6%	44.9	45.0	0.0	0.1%
56.8%	44.9	45.0	0.0	0.1%
58.0%	44.9	44.9	0.0	-0.1%
59.3%	44.9	44.9	-0.1	-0.1%
60.5%	44.8	44.8	0.0	-0.1%
61.7%	44.8	44.8	0.0	0.0%
63.0%	44.8	44.8	0.0	0.0%
64.2%	44.7	44.7	0.0	-0.1%
65.4%	44.6	44.6	0.0	0.0%
66.7%	44.6	44.6	0.0	0.0%
67.9%	44.6	44.6	0.0	-0.1%
69.1%	44.6	44.6	0.0	-0.1%
70.4%	44.6	44.5	0.0	0.0%
71.6%	44.5	44.5	0.0	0.0%
72.8%	44.5	44.5	0.0	0.0%
74.1%	44.5	44.5	0.0	0.1%
75.3%	44.5	44.5	0.0	0.0%
76.5%	44.4	44.4	0.0	0.1%
77.8%	44.4	44.4	0.0	0.0%
79.0%	44.4	44.3	0.0	-0.1%
80.2%	44.4	44.3	0.0	-0.1%
81.5%	44.3	44.3	0.0	0.0%
82.7%	44.3	44.3	0.0	0.0%
84.0%	44.3	44.3	0.0	0.0%
85.2%	44.2	44.3	0.1	0.2%
86.4%	44.2	44.2	0.1	0.1%
87.7%	44.1	44.1	0.0	0.1%
88.9%	44.0	44.1	0.1	0.2%
90.1%	44.0	44.0	0.0	0.1%
91.4%	44.0	44.0	0.0	0.0%
92.6%	44.0	44.0	0.0	0.0%
93.8%	43.9	43.9	0.0	0.0%
95.1%	43.9	43.9	0.0	0.0%
96.3%	43.7	43.7	0.0	-0.1%
97.5%	43.6	43.6	0.0	-0.1%
98.8%	43.6	43.6	-0.1	-0.1%
100.0%	43.6	43.6	-0.1	-0.1%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	49.0	49.0	0.0	0.0%
1.2%	48.5	48.5	0.0	0.0%
2.5%	48.5	48.5	0.0	0.0%
3.7%	48.4	48.1	-0.3	-0.7%
4.9%	48.1	48.1	0.0	0.0%
6.2%	48.1	48.1	0.0	0.0%
7.4%	48.0	47.9	-0.1	-0.2%
8.6%	47.9	47.9	0.0	-0.1%
9.9%	47.9	47.8	-0.1	-0.2%
11.1%	47.7	47.7	0.0	0.0%
12.3%	47.5	47.6	0.1	0.3%
13.6%	47.3	47.5	0.2	0.4%
14.8%	47.3	47.4	0.1	0.1%
16.0%	47.2	47.3	0.1	0.2%
17.3%	47.2	47.2	0.0	0.1%
18.5%	47.1	47.2	0.1	0.1%
19.8%	47.0	47.2	0.2	0.3%
21.0%	46.9	46.9	0.0	0.0%
22.2%	46.9	46.9	0.0	0.0%
23.5%	46.8	46.8	0.0	0.0%
24.7%	46.8	46.8	-0.1	-0.1%
25.9%	46.8	46.7	0.0	-0.1%
27.2%	46.8	46.7	0.0	-0.1%
28.4%	46.7	46.7	0.0	-0.1%
29.6%	46.7	46.7	0.0	0.0%
30.9%	46.7	46.7	0.0	0.0%
32.1%	46.7	46.7	0.0	0.0%
33.3%	46.7	46.6	0.0	0.0%
34.6%	46.7	46.6	-0.1	-0.1%
35.8%	46.6	46.6	0.0	0.0%
37.0%	46.6	46.6	0.0	-0.1%
38.3%	46.6	46.6	0.0	0.0%
39.5%	46.5	46.5	0.1	0.2%
40.7%	46.5	46.5	0.1	0.1%
42.0%	46.4	46.5	0.1	0.2%
43.2%	46.4	46.4	0.1	0.1%
44.4%	46.3	46.4	0.1	0.1%
45.7%	46.3	46.3	0.0	0.0%
46.9%	46.3	46.3	0.0	0.1%
48.1%	46.2	46.3	0.1	0.1%
49.4%	46.2	46.3	0.1	0.2%
50.6%	46.2	46.2	0.0	0.0%
51.9%	46.2	46.2	0.0	0.0%
53.1%	46.2	46.2	0.0	0.0%
54.3%	46.2	46.2	0.0	0.0%
55.6%	46.2	46.1	0.0	0.0%
56.8%	46.1	46.1	0.0	0.0%
58.0%	46.1	46.1	0.0	-0.1%
59.3%	46.1	46.1	0.0	0.0%
60.5%	46.1	46.1	0.0	0.0%
61.7%	46.1	46.1	0.0	0.0%
63.0%	46.1	46.1	0.0	0.0%
64.2%	46.1	46.1	0.0	0.0%
65.4%	46.0	46.0	0.0	0.1%
66.7%	46.0	46.0	0.0	0.0%
67.9%	46.0	46.0	0.0	0.1%
69.1%	45.9	46.0	0.0	0.0%
70.4%	45.9	45.9	0.0	-0.1%
71.6%	45.9	45.9	0.0	-0.1%
72.8%	45.9	45.9	0.0	-0.1%
74.1%	45.9	45.8	0.0	-0.1%
75.3%	45.8	45.8	0.0	-0.1%
76.5%	45.8	45.8	0.0	0.0%
77.8%	45.7	45.7	0.0	0.0%
79.0%	45.6	45.7	0.1	0.2%
80.2%	45.6	45.6	0.0	0.0%
81.5%	45.6	45.5	0.0	0.0%
82.7%	45.6	45.5	0.0	0.0%
84.0%	45.5	45.5	-0.1	-0.2%
85.2%	45.5	45.4	-0.1	-0.2%
86.4%	45.5	45.4	-0.1	-0.2%
87.7%	45.4	45.3	-0.1	-0.2%
88.9%	45.1	45.1	0.0	0.0%
90.1%	45.0	45.0	0.0	0.0%
91.4%	45.0	45.0	0.0	0.1%
92.6%	44.9	45.0	0.1	0.2%
93.8%	44.9	44.9	0.0	0.0%
95.1%	44.9	44.9	0.0	0.0%
96.3%	44.9	44.8	0.0	-0.1%
97.5%	44.8	44.8	0.0	0.0%
98.8%	44.7	44.7	0.0	0.0%
100.0%	44.7	44.7	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	50.8	50.8	0.0	0.0%
1.2%	50.8	50.8	0.0	0.0%
2.5%	50.7	50.0	-0.8	-1.5%
3.7%	50.0	49.9	0.0	-0.1%
4.9%	49.9	49.9	0.0	0.0%
6.2%	49.7	49.7	0.0	0.0%
7.4%	49.7	49.7	0.0	0.0%
8.6%	49.6	49.7	0.0	0.0%
9.9%	49.6	49.7	0.1	0.2%
11.1%	49.3	49.6	0.3	0.6%
12.3%	49.2	49.4	0.2	0.4%
13.6%	49.2	49.2	0.0	0.0%
14.8%	49.1	49.2	0.1	0.2%
16.0%	49.0	49.1	0.1	0.2%
17.3%	48.9	49.1	0.1	0.3%
18.5%	48.9	49.0	0.1	0.2%
19.8%	48.9	48.9	0.0	0.1%
21.0%	48.8	48.9	0.1	0.1%
22.2%	48.8	48.8	0.0	0.1%
23.5%	48.6	48.8	0.2	0.4%
24.7%	48.5	48.6	0.1	0.3%
25.9%	48.5	48.5	0.1	0.2%
27.2%	48.4	48.5	0.0	0.1%
28.4%	48.3	48.5	0.1	0.3%
29.6%	48.3	48.4	0.1	0.2%
30.9%	48.3	48.4	0.1	0.1%
32.1%	48.3	48.4	0.0	0.1%
33.3%	48.3	48.3	0.0	0.0%
34.6%	48.3	48.3	0.0	0.0%
35.8%	48.3	48.3	0.0	0.0%
37.0%	48.3	48.3	0.0	0.0%
38.3%	48.3	48.3	0.0	0.0%
39.5%	48.1	48.3	0.1	0.2%
40.7%	48.1	48.2	0.1	0.2%
42.0%	48.1	48.2	0.1	0.1%
43.2%	48.1	48.1	0.0	0.0%
44.4%	48.1	48.0	-0.1	-0.1%
45.7%	48.0	48.0	-0.1	-0.1%
46.9%	48.0	47.9	-0.1	-0.1%
48.1%	48.0	47.9	0.0	-0.1%
49.4%	47.9	47.9	0.0	-0.1%
50.6%	47.9	47.9	0.0	0.0%
51.9%	47.9	47.9	0.0	0.0%
53.1%	47.9	47.9	0.0	0.0%
54.3%	47.8	47.8	0.0	0.0%
55.6%	47.8	47.8	0.0	0.0%
56.8%	47.8	47.8	0.0	-0.1%
58.0%	47.8	47.7	-0.1	-0.1%
59.3%	47.8	47.7	-0.1	-0.2%
60.5%	47.7	47.7	-0.1	-0.1%
61.7%	47.7	47.7	0.0	-0.1%
63.0%	47.7	47.7	0.0	0.0%
64.2%	47.6	47.6	0.0	-0.1%
65.4%	47.6	47.6	0.0	0.0%
66.7%	47.6	47.6	0.0	-0.1%
67.9%	47.6	47.6	0.0	-0.1%
69.1%	47.6	47.5	0.0	-0.1%
70.4%	47.6	47.5	-0.1	-0.1%
71.6%	47.6	47.5	-0.1	-0.2%
72.8%	47.5	47.4	-0.1	-0.1%
74.1%	47.5	47.4	-0.1	-0.2%
75.3%	47.4	47.4	0.0	-0.1%
76.5%	47.4	47.3	0.0	0.0%
77.8%	47.3	47.3	0.0	-0.1%
79.0%	47.3	47.3	0.0	0.0%
80.2%	47.3	47.3	0.0	0.0%
81.5%	47.3	47.3	0.0	-0.1%
82.7%	47.2	47.2	0.0	0.0%
84.0%	47.1	47.2	0.0	0.0%
85.2%	47.1	47.1	0.0	0.1%
86.4%	47.1	47.1	0.0	0.1%
87.7%	47.0	47.1	0.1	0.2%
88.9%	46.9	46.9	0.0	0.0%
90.1%	46.7	46.9	0.2	0.3%
91.4%	46.6	46.7	0.0	0.1%
92.6%	46.6	46.4	-0.1	-0.3%
93.8%	46.4	46.4	0.0	0.0%
95.1%	46.4	46.4	0.0	0.0%
96.3%	46.4	46.3	-0.1	-0.3%
97.5%	46.1	46.2	0.1	0.2%
98.8%	46.0	46.2	0.1	0.3%
100.0%	46.0	46.2	0.1	0.3%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	51.8	51.8	0.0	0.0%
1.2%	51.8	51.8	0.0	-0.1%
2.5%	51.7	51.7	0.0	0.0%
3.7%	51.5	51.3	-0.2	-0.3%
4.9%	51.3	51.0	-0.4	-0.7%
6.2%	51.0	51.0	0.0	-0.1%
7.4%	50.9	50.9	0.0	0.0%
8.6%	50.9	50.9	0.0	0.0%
9.9%	50.7	50.7	0.0	0.0%
11.1%	50.6	50.6	0.0	0.0%
12.3%	50.4	50.5	0.1	0.2%
13.6%	50.4	50.5	0.1	0.2%
14.8%	50.4	50.4	0.1	0.2%
16.0%	50.3	50.4	0.1	0.2%
17.3%	50.2	50.3	0.1	0.2%
18.5%	50.2	50.3	0.1	0.2%
19.8%	50.1	50.3	0.1	0.3%
21.0%	50.0	50.0	0.0	0.1%
22.2%	49.9	50.0	0.0	0.0%
23.5%	49.9	49.9	0.0	0.0%
24.7%	49.9	49.8	0.0	0.0%
25.9%	49.9	49.8	0.0	0.0%
27.2%	49.9	49.8	0.0	0.0%
28.4%	49.8	49.8	0.0	0.0%
29.6%	49.8	49.8	0.0	0.0%
30.9%	49.7	49.8	0.0	0.1%
32.1%	49.7	49.7	0.0	0.0%
33.3%	49.7	49.7	0.0	0.1%
34.6%	49.6	49.7	0.0	0.1%
35.8%	49.6	49.6	0.0	0.0%
37.0%	49.6	49.6	0.0	0.0%
38.3%	49.6	49.6	0.0	0.0%
39.5%	49.6	49.6	0.0	0.0%
40.7%	49.5	49.6	0.1	0.2%
42.0%	49.5	49.5	0.1	0.1%
43.2%	49.4	49.4	0.0	0.0%
44.4%	49.4	49.4	-0.1	-0.1%
45.7%	49.4	49.4	0.0	-0.1%
46.9%	49.4	49.3	0.0	0.0%
48.1%	49.4	49.3	0.0	-0.1%
49.4%	49.4	49.2	-0.1	-0.2%
50.6%	49.3	49.2	-0.1	-0.3%
51.9%	49.3	49.1	-0.2	-0.4%
53.1%	49.3	49.1	-0.1	-0.3%
54.3%	49.2	49.1	-0.1	-0.1%
55.6%	49.1	49.1	0.0	-0.1%
56.8%	49.1	49.1	0.0	0.0%
58.0%	49.0	49.0	0.0	0.0%
59.3%	49.0	49.0	0.0	0.0%
60.5%	49.0	48.9	0.0	-0.1%
61.7%	48.9	48.9	-0.1	-0.2%
63.0%	48.9	48.9	0.0	-0.1%
64.2%	48.8	48.8	0.0	0.0%
65.4%	48.8	48.8	0.0	-0.1%
66.7%	48.8	48.8	0.0	0.0%
67.9%	48.8	48.8	0.0	0.0%
69.1%	48.8	48.8	0.0	0.0%
70.4%	48.7	48.7	0.0	0.0%
71.6%	48.7	48.6	-0.1	-0.1%
72.8%	48.7	48.6	-0.1	-0.2%
74.1%	48.7	48.6	-0.1	-0.2%
75.3%	48.7	48.4	-0.2	-0.5%
76.5%	48.4	48.4	0.0	0.0%
77.8%	48.4	48.3	0.0	0.0%
79.0%	48.4	48.3	0.0	-0.1%
80.2%	48.3	48.3	0.0	0.0%
81.5%	48.2	48.2	0.0	0.0%
82.7%	48.2	48.2	0.0	0.0%
84.0%	48.1	48.2	0.1	0.2%
85.2%	48.1	48.2	0.1	0.2%
86.4%	48.1	48.1	0.0	0.0%
87.7%	48.1	48.1	0.0	0.0%
88.9%	48.0	48.0	0.0	0.0%
90.1%	48.0	48.0	0.0	0.0%
91.4%	47.9	48.0	0.1	0.1%
92.6%	47.9	47.8	-0.1	-0.2%
93.8%	47.8	47.6	-0.1	-0.3%
95.1%	47.6	47.5	-0.1	-0.2%
96.3%	47.5	47.5	0.0	0.0%
97.5%	47.4	47.3	-0.1	-0.2%
98.8%	47.3	47.3	0.0	0.0%
100.0%	47.3	47.3	0.0	0.0%

Table SQ14-1b

Clear Creek at Igo, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.7	57.8	0.0	0.1%
1.2%	55.5	55.5	0.0	0.0%
2.5%	55.3	55.3	0.0	-0.1%
3.7%	54.9	54.7	-0.1	-0.2%
4.9%	54.4	54.4	0.0	0.0%
6.2%	54.4	54.4	0.0	0.0%
7.4%	54.2	54.1	0.0	-0.1%
8.6%	54.0	54.0	0.1	0.1%
9.9%	53.8	53.9	0.1	0.2%
11.1%	53.3	53.3	0.0	0.0%
12.3%	53.2	53.2	0.0	0.0%
13.6%	53.2	53.2	0.0	0.0%
14.8%	53.1	53.0	-0.1	-0.1%
16.0%	53.1	52.9	-0.2	-0.3%
17.3%	53.0	52.9	-0.2	-0.3%
18.5%	52.8	52.8	0.0	0.0%
19.8%	52.7	52.8	0.1	0.1%
21.0%	52.7	52.6	-0.1	-0.1%
22.2%	52.6	52.5	0.0	0.0%
23.5%	52.4	52.3	-0.2	-0.3%
24.7%	52.3	52.2	-0.1	-0.2%
25.9%	52.2	52.2	-0.1	-0.1%
27.2%	52.2	52.1	-0.1	-0.1%
28.4%	52.2	52.1	0.0	-0.1%
29.6%	52.1	52.1	0.0	-0.1%
30.9%	52.1	52.0	-0.1	-0.1%
32.1%	52.1	52.0	0.0	-0.1%
33.3%	52.0	52.0	0.0	-0.1%
34.6%	52.0	51.9	-0.1	-0.2%
35.8%	52.0	51.9	-0.1	-0.2%
37.0%	51.9	51.8	-0.1	-0.2%
38.3%	51.9	51.8	-0.1	-0.2%
39.5%	51.9	51.8	-0.1	-0.2%
40.7%	51.7	51.7	0.0	0.0%
42.0%	51.7	51.7	0.0	0.0%
43.2%	51.6	51.7	0.0	0.0%
44.4%	51.6	51.6	0.0	0.1%
45.7%	51.6	51.5	-0.1	-0.1%
46.9%	51.5	51.5	0.0	0.0%
48.1%	51.5	51.5	0.0	-0.1%
49.4%	51.5	51.4	0.0	-0.1%
50.6%	51.4	51.4	0.0	0.0%
51.9%	51.4	51.4	0.0	0.0%
53.1%	51.4	51.4	0.0	-0.1%
54.3%	51.4	51.3	0.0	-0.1%
55.6%	51.4	51.3	0.0	-0.1%
56.8%	51.3	51.3	0.0	0.0%
58.0%	51.3	51.3	0.0	-0.1%
59.3%	51.3	51.3	-0.1	-0.1%
60.5%	51.2	51.1	-0.1	-0.2%
61.7%	51.1	51.1	0.0	0.0%
63.0%	51.0	51.1	0.1	0.1%
64.2%	51.0	51.0	0.0	0.0%
65.4%	51.0	50.9	0.0	0.0%
66.7%	50.9	50.9	0.0	0.0%
67.9%	50.9	50.9	0.0	0.0%
69.1%	50.9	50.8	-0.1	-0.2%
70.4%	50.9	50.8	-0.1	-0.2%
71.6%	50.9	50.8	-0.1	-0.2%
72.8%	50.8	50.8	-0.1	-0.1%
74.1%	50.8	50.8	0.0	-0.1%
75.3%	50.7	50.7	0.0	-0.1%
76.5%	50.7	50.4	-0.3	-0.5%
77.8%	50.5	50.4	-0.1	-0.2%
79.0%	50.4	50.4	0.0	-0.1%
80.2%	50.4	50.3	0.0	0.0%
81.5%	50.4	50.3	0.0	0.0%
82.7%	50.3	50.3	0.0	0.0%
84.0%	50.3	50.3	-0.1	-0.2%
85.2%	50.3	50.2	0.0	0.0%
86.4%	50.2	50.2	0.0	0.1%
87.7%	50.2	50.2	0.1	0.1%
88.9%	50.1	50.0	-0.1	-0.2%
90.1%	50.1	50.0	-0.1	-0.2%
91.4%	50.1	49.9	-0.1	-0.2%
92.6%	49.7	49.7	0.0	0.0%
93.8%	49.7	49.7	0.0	0.0%
95.1%	49.7	49.7	0.0	0.0%
96.3%	49.7	49.6	0.0	-0.1%
97.5%	49.6	49.5	-0.2	-0.4%
98.8%	49.4	49.3	-0.1	-0.2%
100.0%	49.4	49.3	-0.1	-0.2%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.6	57.7	0.1	0.3%
1.2%	57.3	57.3	0.0	0.0%
2.5%	57.2	57.1	0.0	-0.1%
3.7%	57.1	57.0	-0.1	-0.1%
4.9%	57.0	57.0	0.0	0.0%
6.2%	57.0	57.0	0.0	0.0%
7.4%	56.9	56.9	0.0	0.0%
8.6%	56.9	56.7	-0.2	-0.4%
9.9%	56.7	56.7	0.0	0.0%
11.1%	56.6	56.6	0.0	0.0%
12.3%	56.6	56.4	-0.1	-0.3%
13.6%	56.4	56.3	0.0	-0.1%
14.8%	56.2	56.3	0.1	0.3%
16.0%	56.2	56.3	0.1	0.2%
17.3%	56.2	56.2	0.0	0.0%
18.5%	56.2	56.2	0.0	0.0%
19.8%	56.1	56.2	0.0	0.0%
21.0%	56.0	56.1	0.1	0.2%
22.2%	56.0	56.0	-0.1	-0.1%
23.5%	56.0	56.0	0.0	-0.1%
24.7%	56.0	55.8	-0.1	-0.2%
25.9%	55.9	55.8	-0.1	-0.2%
27.2%	55.8	55.7	-0.1	-0.2%
28.4%	55.8	55.7	-0.1	-0.1%
29.6%	55.7	55.7	-0.1	-0.1%
30.9%	55.7	55.6	-0.1	-0.1%
32.1%	55.7	55.6	0.0	0.0%
33.3%	55.6	55.6	0.0	0.0%
34.6%	55.6	55.6	0.0	0.0%
35.8%	55.6	55.6	0.0	0.0%
37.0%	55.5	55.6	0.0	0.0%
38.3%	55.5	55.5	0.0	0.0%
39.5%	55.5	55.5	0.0	0.0%
40.7%	55.5	55.5	0.0	0.1%
42.0%	55.4	55.5	0.1	0.1%
43.2%	55.4	55.5	0.1	0.1%
44.4%	55.4	55.4	0.0	0.0%
45.7%	55.3	55.3	0.0	0.0%
46.9%	55.3	55.3	0.0	0.0%
48.1%	55.2	55.2	0.0	0.1%
49.4%	55.2	55.2	0.0	0.0%
50.6%	55.2	55.1	-0.1	-0.1%
51.9%	55.2	55.1	-0.1	-0.1%
53.1%	55.2	55.1	-0.1	-0.1%
54.3%	55.2	55.1	0.0	-0.1%
55.6%	55.1	55.1	-0.1	-0.1%
56.8%	55.1	55.0	-0.1	-0.2%
58.0%	55.1	55.0	-0.1	-0.2%
59.3%	55.0	55.0	0.0	0.0%
60.5%	55.0	55.0	0.0	0.0%
61.7%	55.0	55.0	0.0	0.0%
63.0%	55.0	54.9	0.0	0.0%
64.2%	55.0	54.9	0.0	-0.1%
65.4%	54.9	54.8	-0.1	-0.2%
66.7%	54.9	54.7	-0.1	-0.2%
67.9%	54.8	54.7	-0.1	-0.2%
69.1%	54.8	54.7	-0.1	-0.2%
70.4%	54.8	54.6	-0.2	-0.3%
71.6%	54.7	54.6	-0.1	-0.2%
72.8%	54.7	54.6	-0.1	-0.1%
74.1%	54.6	54.5	-0.1	-0.2%
75.3%	54.6	54.5	-0.1	-0.2%
76.5%	54.5	54.4	0.0	-0.1%
77.8%	54.5	54.4	-0.1	-0.1%
79.0%	54.5	54.3	-0.1	-0.2%
80.2%	54.5	54.3	-0.2	-0.4%
81.5%	54.4	54.2	-0.2	-0.3%
82.7%	54.3	54.2	-0.2	-0.4%
84.0%	54.2	54.1	-0.1	-0.2%
85.2%	54.2	54.1	-0.1	-0.2%
86.4%	54.2	54.0	-0.2	-0.3%
87.7%	54.2	54.0	-0.2	-0.3%
88.9%	54.1	54.0	-0.1	-0.3%
90.1%	54.0	53.9	-0.1	-0.2%
91.4%	54.0	53.9	-0.1	-0.3%
92.6%	54.0	53.8	-0.2	-0.3%
93.8%	53.9	53.8	-0.2	-0.3%
95.1%	53.8	53.7	0.0	-0.1%
96.3%	53.7	53.6	-0.1	-0.2%
97.5%	53.4	53.3	-0.1	-0.2%
98.8%	53.2	53.3	0.0	0.1%
100.0%	53.2	53.3	0.0	0.1%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.6	59.8	-0.9	-1.4%
1.2%	58.0	58.0	-0.1	-0.1%
2.5%	57.4	57.5	0.1	0.2%
3.7%	57.4	57.3	-0.1	-0.2%
4.9%	56.9	57.0	0.1	0.1%
6.2%	56.9	57.0	0.1	0.2%
7.4%	56.8	56.8	0.0	-0.1%
8.6%	56.7	56.7	0.0	0.0%
9.9%	56.7	56.7	0.0	0.1%
11.1%	56.7	56.7	0.0	0.0%
12.3%	56.7	56.7	0.0	0.0%
13.6%	56.7	56.7	0.0	0.0%
14.8%	56.5	56.7	0.1	0.2%
16.0%	56.5	56.6	0.1	0.2%
17.3%	56.5	56.4	0.0	-0.1%
18.5%	56.5	56.4	0.0	-0.1%
19.8%	56.5	56.4	-0.1	-0.1%
21.0%	56.3	56.2	-0.1	-0.2%
22.2%	56.3	56.2	-0.1	-0.2%
23.5%	56.3	56.2	-0.1	-0.1%
24.7%	56.2	56.2	0.0	0.0%
25.9%	56.1	56.2	0.0	0.0%
27.2%	56.1	56.1	0.0	-0.1%
28.4%	56.1	56.1	0.0	0.0%
29.6%	56.0	56.0	-0.1	-0.1%
30.9%	56.0	55.9	-0.1	-0.2%
32.1%	56.0	55.9	-0.1	-0.1%
33.3%	56.0	55.8	-0.2	-0.4%
34.6%	55.9	55.7	-0.1	-0.3%
35.8%	55.8	55.7	-0.1	-0.2%
37.0%	55.8	55.7	-0.1	-0.2%
38.3%	55.7	55.6	-0.1	-0.1%
39.5%	55.7	55.6	-0.1	-0.2%
40.7%	55.6	55.6	-0.1	-0.1%
42.0%	55.6	55.6	-0.1	-0.1%
43.2%	55.6	55.5	-0.1	-0.3%
44.4%	55.6	55.4	-0.1	-0.2%
45.7%	55.6	55.4	-0.1	-0.2%
46.9%	55.5	55.3	-0.2	-0.4%
48.1%	55.5	55.3	-0.2	-0.4%
49.4%	55.4	55.3	-0.1	-0.2%
50.6%	55.3	55.3	-0.1	-0.1%
51.9%	55.3	55.2	-0.1	-0.1%
53.1%	55.3	55.2	-0.1	-0.1%
54.3%	55.3	55.2	-0.1	-0.1%
55.6%	55.3	55.1	-0.2	-0.3%
56.8%	55.3	55.1	-0.2	-0.3%
58.0%	55.2	55.1	-0.2	-0.3%
59.3%	55.2	55.0	-0.2	-0.4%
60.5%	55.2	54.9	-0.3	-0.5%
61.7%	55.1	54.9	-0.2	-0.3%
63.0%	55.0	54.9	-0.1	-0.3%
64.2%	55.0	54.9	-0.1	-0.3%
65.4%	54.9	54.8	-0.1	-0.2%
66.7%	54.9	54.8	-0.1	-0.1%
67.9%	54.9	54.8	-0.1	-0.2%
69.1%	54.9	54.7	-0.2	-0.3%
70.4%	54.8	54.7	-0.2	-0.3%
71.6%	54.8	54.7	-0.2	-0.3%
72.8%	54.7	54.7	-0.1	-0.1%
74.1%	54.7	54.6	-0.1	-0.2%
75.3%	54.7	54.5	-0.1	-0.3%
76.5%	54.6	54.5	-0.2	-0.3%
77.8%	54.5	54.4	-0.1	-0.2%
79.0%	54.5	54.4	-0.1	-0.2%
80.2%	54.5	54.3	-0.2	-0.4%
81.5%	54.5	54.3	-0.2	-0.4%
82.7%	54.4	54.3	-0.2	-0.3%
84.0%	54.4	54.2	-0.2	-0.4%
85.2%	54.4	54.2	-0.2	-0.4%
86.4%	54.4	54.1	-0.3	-0.5%
87.7%	54.4	54.0	-0.3	-0.6%
88.9%	54.3	54.0	-0.3	-0.6%
90.1%	54.3	54.0	-0.3	-0.6%
91.4%	54.2	54.0	-0.3	-0.5%
92.6%	54.2	53.9	-0.4	-0.7%
93.8%	54.2	53.7	-0.5	-0.8%
95.1%	54.2	53.7	-0.4	-0.8%
96.3%	54.1	53.6	-0.5	-0.9%
97.5%	53.7	53.6	-0.1	-0.3%
98.8%	53.5	53.5	0.0	-0.1%
100.0%	53.5	53.5	0.0	-0.1%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	62.8	61.6	-1.2	-1.8%
1.2%	58.2	58.1	-0.2	-0.3%
2.5%	57.4	57.4	0.0	0.0%
3.7%	57.3	57.3	0.0	0.0%
4.9%	56.0	55.9	-0.1	-0.2%
6.2%	55.9	55.8	-0.1	-0.2%
7.4%	55.9	55.6	-0.3	-0.6%
8.6%	55.5	55.3	-0.1	-0.3%
9.9%	55.3	55.3	0.0	0.1%
11.1%	55.2	55.3	0.1	0.1%
12.3%	55.2	55.2	0.0	0.0%
13.6%	55.2	55.2	0.0	-0.1%
14.8%	55.1	55.1	0.0	0.0%
16.0%	55.0	55.1	0.1	0.2%
17.3%	55.0	55.1	0.1	0.2%
18.5%	54.9	54.9	0.0	0.1%
19.8%	54.9	54.9	0.0	0.0%
21.0%	54.9	54.7	-0.1	-0.2%
22.2%	54.6	54.7	0.1	0.2%
23.5%	54.5	54.6	0.1	0.2%
24.7%	54.5	54.5	0.0	0.1%
25.9%	54.4	54.5	0.1	0.2%
27.2%	54.3	54.1	-0.2	-0.4%
28.4%	54.1	54.0	-0.1	-0.2%
29.6%	54.1	54.0	-0.1	-0.2%
30.9%	54.1	53.9	-0.2	-0.3%
32.1%	54.0	53.8	-0.2	-0.3%
33.3%	53.9	53.8	-0.1	-0.2%
34.6%	53.9	53.7	-0.2	-0.3%
35.8%	53.9	53.7	-0.2	-0.3%
37.0%	53.8	53.7	-0.1	-0.3%
38.3%	53.7	53.6	-0.1	-0.1%
39.5%	53.7	53.5	-0.2	-0.3%
40.7%	53.7	53.4	-0.2	-0.4%
42.0%	53.6	53.4	-0.3	-0.5%
43.2%	53.6	53.3	-0.3	-0.6%
44.4%	53.5	53.3	-0.2	-0.4%
45.7%	53.5	53.2	-0.2	-0.5%
46.9%	53.5	53.2	-0.2	-0.4%
48.1%	53.4	53.2	-0.3	-0.5%
49.4%	53.3	53.2	-0.2	-0.4%
50.6%	53.2	53.1	-0.1	-0.2%
51.9%	53.2	53.1	-0.1	-0.2%
53.1%	53.2	53.1	-0.1	-0.2%
54.3%	53.1	52.9	-0.2	-0.4%
55.6%	53.1	52.9	-0.2	-0.4%
56.8%	53.0	52.9	-0.2	-0.3%
58.0%	53.0	52.8	-0.1	-0.3%
59.3%	52.9	52.8	-0.1	-0.2%
60.5%	52.9	52.8	-0.1	-0.2%
61.7%	52.9	52.7	-0.2	-0.3%
63.0%	52.8	52.7	-0.1	-0.2%
64.2%	52.5	52.6	0.1	0.2%
65.4%	52.5	52.4	-0.1	-0.1%
66.7%	52.4	52.4	0.0	0.0%
67.9%	52.4	52.4	0.0	0.0%
69.1%	52.4	52.4	0.0	-0.1%
70.4%	52.4	52.3	-0.1	-0.2%
71.6%	52.4	52.3	-0.2	-0.3%
72.8%	52.4	52.2	-0.2	-0.3%
74.1%	52.4	52.2	-0.2	-0.4%
75.3%	52.4	52.1	-0.2	-0.5%
76.5%	52.4	52.1	-0.2	-0.4%
77.8%	52.3	52.1	-0.2	-0.3%
79.0%	52.2	52.1	-0.1	-0.2%
80.2%	52.1	52.0	-0.1	-0.2%
81.5%	52.1	52.0	-0.1	-0.2%
82.7%	52.1	52.0	-0.1	-0.2%
84.0%	52.0	52.0	-0.1	-0.1%
85.2%	52.0	51.8	-0.1	-0.2%
86.4%	51.9	51.8	-0.1	-0.2%
87.7%	51.9	51.8	-0.1	-0.2%
88.9%	51.8	51.7	-0.2	-0.3%
90.1%	51.8	51.6	-0.2	-0.4%
91.4%	51.8	51.6	-0.2	-0.5%
92.6%	51.6	51.5	-0.1	-0.2%
93.8%	51.6	51.3	-0.3	-0.6%
95.1%	51.3	51.2	-0.1	-0.3%
96.3%	51.3	51.1	-0.2	-0.4%
97.5%	51.2	51.1	-0.1	-0.1%
98.8%	51.0	51.0	0.0	0.0%
100.0%	51.0	51.0	0.0	0.0%

Table SQ14-1b

Clear Creek at Igo, Monthly Temperature

Probability of Exceedance

June to September				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	59.0	58.4	-0.6	-1.0%
1.2%	56.9	56.9	0.1	0.2%
2.5%	56.6	56.6	-0.1	-0.1%
3.7%	56.3	56.3	0.0	0.0%
4.9%	56.2	56.2	0.0	0.0%
6.2%	55.9	55.8	0.0	-0.1%
7.4%	55.7	55.7	-0.1	-0.1%
8.6%	55.5	55.6	0.0	0.0%
9.9%	55.5	55.4	-0.1	-0.3%
11.1%	55.5	55.4	-0.1	-0.3%
12.3%	55.4	55.3	-0.1	-0.1%
13.6%	55.4	55.3	-0.1	-0.1%
14.8%	55.3	55.3	0.0	0.0%
16.0%	55.0	55.3	0.2	0.4%
17.3%	55.0	55.2	0.2	0.4%
18.5%	55.0	55.1	0.1	0.3%
19.8%	54.9	55.1	0.1	0.2%
21.0%	54.9	54.9	0.1	0.1%
22.2%	54.8	54.8	0.0	-0.1%
23.5%	54.8	54.8	0.0	-0.1%
24.7%	54.7	54.7	0.0	0.0%
25.9%	54.7	54.5	-0.2	-0.3%
27.2%	54.6	54.5	-0.1	-0.1%
28.4%	54.5	54.4	-0.1	-0.2%
29.6%	54.5	54.4	-0.1	-0.2%
30.9%	54.4	54.3	-0.1	-0.2%
32.1%	54.4	54.3	-0.1	-0.2%
33.3%	54.4	54.3	-0.1	-0.1%
34.6%	54.3	54.3	-0.1	-0.1%
35.8%	54.3	54.3	0.0	0.0%
37.0%	54.3	54.2	-0.1	-0.1%
38.3%	54.3	54.1	-0.1	-0.3%
39.5%	54.2	54.1	-0.1	-0.2%
40.7%	54.2	54.1	-0.2	-0.3%
42.0%	54.2	54.0	-0.1	-0.2%
43.2%	54.1	54.0	0.0	0.0%
44.4%	54.0	54.0	0.0	0.0%
45.7%	54.0	54.0	0.0	0.0%
46.9%	54.0	53.9	-0.1	-0.2%
48.1%	54.0	53.9	-0.1	-0.1%
49.4%	53.9	53.9	0.0	0.0%
50.6%	53.9	53.8	-0.1	-0.2%
51.9%	53.9	53.8	-0.1	-0.2%
53.1%	53.9	53.7	-0.2	-0.3%
54.3%	53.9	53.6	-0.3	-0.5%
55.6%	53.7	53.6	-0.1	-0.1%
56.8%	53.6	53.6	0.0	-0.1%
58.0%	53.6	53.5	-0.1	-0.1%
59.3%	53.6	53.5	-0.1	-0.1%
60.5%	53.5	53.4	-0.1	-0.2%
61.7%	53.5	53.3	-0.1	-0.2%
63.0%	53.4	53.3	-0.1	-0.2%
64.2%	53.4	53.3	-0.1	-0.3%
65.4%	53.4	53.2	-0.1	-0.3%
66.7%	53.4	53.2	-0.1	-0.2%
67.9%	53.3	53.2	-0.1	-0.1%
69.1%	53.3	53.1	-0.1	-0.2%
70.4%	53.2	53.1	-0.1	-0.1%
71.6%	53.2	53.1	-0.1	-0.1%
72.8%	53.2	53.1	-0.1	-0.1%
74.1%	53.1	53.1	0.0	-0.1%
75.3%	53.1	53.1	-0.1	-0.1%
76.5%	53.1	53.0	-0.1	-0.1%
77.8%	53.1	53.0	-0.1	-0.2%
79.0%	53.1	52.8	-0.2	-0.4%
80.2%	53.1	52.7	-0.3	-0.6%
81.5%	53.0	52.7	-0.3	-0.6%
82.7%	52.9	52.7	-0.3	-0.5%
84.0%	52.7	52.6	-0.1	-0.2%
85.2%	52.7	52.6	-0.1	-0.2%
86.4%	52.7	52.6	-0.1	-0.2%
87.7%	52.7	52.5	-0.1	-0.2%
88.9%	52.7	52.5	-0.2	-0.4%
90.1%	52.6	52.5	-0.2	-0.4%
91.4%	52.5	52.4	-0.1	-0.2%
92.6%	52.5	52.4	-0.1	-0.1%
93.8%	52.5	52.4	-0.1	-0.2%
95.1%	52.5	52.3	-0.1	-0.3%
96.3%	52.4	52.2	-0.2	-0.4%
97.5%	52.4	52.2	-0.2	-0.4%
98.8%	52.0	52.0	0.0	0.0%
100.0%	51.4	51.2	-0.2	-0.4%

July to September				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.1	59.4	-0.8	-1.3%
1.2%	57.4	57.3	0.0	-0.1%
2.5%	57.1	57.0	-0.1	-0.1%
3.7%	56.8	56.8	0.0	0.0%
4.9%	56.8	56.8	0.0	0.0%
6.2%	56.6	56.7	0.1	0.2%
7.4%	56.5	56.5	-0.1	-0.1%
8.6%	56.4	56.2	-0.1	-0.2%
9.9%	56.2	56.2	0.0	0.1%
11.1%	56.2	56.1	0.0	-0.1%
12.3%	56.1	56.1	0.1	0.1%
13.6%	55.9	56.1	0.2	0.3%
14.8%	55.9	56.1	0.2	0.4%
16.0%	55.9	55.8	-0.1	-0.2%
17.3%	55.8	55.8	-0.1	-0.1%
18.5%	55.7	55.8	0.0	0.0%
19.8%	55.7	55.6	-0.1	-0.1%
21.0%	55.7	55.6	-0.1	-0.1%
22.2%	55.6	55.6	0.0	0.0%
23.5%	55.5	55.5	0.0	0.0%
24.7%	55.5	55.5	0.0	0.0%
25.9%	55.4	55.5	0.1	0.2%
27.2%	55.3	55.4	0.0	0.0%
28.4%	55.3	55.3	0.0	0.0%
29.6%	55.3	55.3	0.0	0.0%
30.9%	55.3	55.2	-0.1	-0.1%
32.1%	55.2	55.1	-0.1	-0.2%
33.3%	55.1	55.1	-0.1	-0.1%
34.6%	55.1	55.1	-0.1	-0.1%
35.8%	55.1	55.1	0.0	0.0%
37.0%	55.0	55.1	0.0	0.0%
38.3%	55.0	55.0	0.0	0.0%
39.5%	55.0	54.9	-0.1	-0.2%
40.7%	54.9	54.8	-0.1	-0.2%
42.0%	54.9	54.8	-0.1	-0.2%
43.2%	54.9	54.8	-0.1	-0.2%
44.4%	54.9	54.8	-0.1	-0.2%
45.7%	54.9	54.7	-0.1	-0.2%
46.9%	54.8	54.7	-0.1	-0.3%
48.1%	54.8	54.7	-0.1	-0.3%
49.4%	54.8	54.6	-0.2	-0.3%
50.6%	54.8	54.5	-0.2	-0.4%
51.9%	54.7	54.5	-0.2	-0.4%
53.1%	54.6	54.5	-0.1	-0.2%
54.3%	54.5	54.4	-0.1	-0.1%
55.6%	54.5	54.3	-0.1	-0.3%
56.8%	54.4	54.3	-0.2	-0.3%
58.0%	54.4	54.2	-0.2	-0.4%
59.3%	54.4	54.1	-0.3	-0.5%
60.5%	54.3	54.1	-0.1	-0.2%
61.7%	54.2	54.1	-0.1	-0.2%
63.0%	54.2	54.1	-0.1	-0.2%
64.2%	54.2	54.1	-0.2	-0.3%
65.4%	54.2	54.0	-0.1	-0.3%
66.7%	54.1	54.0	-0.1	-0.2%
67.9%	54.1	53.9	-0.2	-0.4%
69.1%	54.0	53.9	-0.1	-0.2%
70.4%	54.0	53.9	-0.1	-0.2%
71.6%	53.9	53.9	-0.1	-0.1%
72.8%	53.9	53.8	-0.1	-0.2%
74.1%	53.9	53.8	-0.1	-0.2%
75.3%	53.9	53.8	0.0	-0.1%
76.5%	53.8	53.8	-0.1	-0.2%
77.8%	53.8	53.7	-0.1	-0.2%
79.0%	53.8	53.6	-0.2	-0.3%
80.2%	53.8	53.5	-0.2	-0.4%
81.5%	53.7	53.5	-0.3	-0.5%
82.7%	53.7	53.4	-0.2	-0.4%
84.0%	53.6	53.4	-0.2	-0.4%
85.2%	53.6	53.4	-0.2	-0.4%
86.4%	53.5	53.3	-0.2	-0.3%
87.7%	53.5	53.3	-0.2	-0.4%
88.9%	53.5	53.3	-0.2	-0.3%
90.1%	53.4	53.3	-0.2	-0.3%
91.4%	53.4	53.2	-0.2	-0.5%
92.6%	53.4	53.2	-0.2	-0.5%
93.8%	53.3	53.1	-0.2	-0.3%
95.1%	53.3	53.1	-0.2	-0.3%
96.3%	53.3	53.1	-0.1	-0.3%
97.5%	53.1	53.1	0.0	0.0%
98.8%	52.9	52.8	-0.1	-0.1%
100.0%	52.4	52.1	-0.3	-0.5%

August to September				
Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.7	60.7	-1.0	-1.6%
1.2%	57.7	57.7	0.0	-0.1%
2.5%	57.6	57.4	-0.1	-0.2%
3.7%	57.1	57.1	0.0	0.0%
4.9%	56.7	56.7	0.0	0.1%
6.2%	56.3	56.4	0.1	0.1%
7.4%	56.2	56.1	-0.1	-0.1%
8.6%	56.1	56.1	0.0	0.0%
9.9%	56.1	56.0	0.0	0.0%
11.1%	56.0	56.0	0.0	0.0%
12.3%	56.0	55.9	-0.1	-0.1%
13.6%	55.8	55.9	0.1	0.2%
14.8%	55.8	55.9	0.1	0.2%
16.0%	55.8	55.8	0.1	0.1%
17.3%	55.8	55.8	0.0	0.1%
18.5%	55.7	55.6	-0.1	-0.1%
19.8%	55.5	55.5	0.0	0.0%
21.0%	55.5	55.5	0.0	0.0%
22.2%	55.5	55.5	0.0	0.0%
23.5%	55.4	55.5	0.1	0.1%
24.7%	55.4	55.3	-0.1	-0.2%
25.9%	55.3	55.2	-0.2	-0.3%
27.2%	55.1	55.1	0.1	0.1%
28.4%	55.1	55.1	0.0	0.0%
29.6%	55.0	55.1	0.1	0.1%
30.9%	55.0	54.9	-0.1	-0.2%
32.1%	55.0	54.8	-0.2	-0.3%
33.3%	54.9	54.8	-0.1	-0.2%
34.6%	54.8	54.8	-0.1	-0.1%
35.8%	54.8	54.7	-0.1	-0.1%
37.0%	54.7	54.7	-0.1	-0.1%
38.3%	54.7	54.6	-0.1	-0.1%
39.5%	54.7	54.6	-0.1	-0.1%
40.7%	54.7	54.5	-0.2	-0.3%
42.0%	54.7	54.5	-0.2	-0.4%
43.2%	54.6	54.4	-0.3	-0.5%
44.4%	54.6	54.4	-0.3	-0.5%
45.7%	54.5	54.3	-0.2	-0.4%
46.9%	54.5	54.3	-0.2	-0.3%
48.1%	54.4	54.3	-0.2	-0.3%
49.4%	54.4	54.2	-0.1	-0.2%
50.6%	54.3	54.2	-0.1	-0.2%
51.9%	54.3	54.0	-0.2	-0.4%
53.1%	54.3	54.0	-0.2	-0.4%
54.3%	54.2	54.0	-0.2	-0.4%
55.6%	54.2	54.0	-0.2	-0.3%
56.8%	54.1	53.9	-0.2	-0.3%
58.0%	54.1	53.9	-0.2	-0.3%
59.3%	54.1	53.9	-0.2	-0.4%
60.5%	53.9	53.9	-0.1	-0.2%
61.7%	53.9	53.8	-0.1	-0.3%
63.0%	53.8	53.7	-0.1	-0.2%
64.2%	53.8	53.7	-0.1	-0.1%
65.4%	53.8	53.6	-0.2	-0.4%
66.7%	53.8	53.5	-0.2	-0.4%
67.9%	53.6	53.5	-0.1	-0.2%
69.1%	53.6	53.5	-0.1	-0.2%
70.4%	53.5	53.4	-0.1	-0.2%
71.6%	53.5	53.4	-0.1	-0.2%
72.8%	53.5	53.4	-0.1	-0.2%
74.1%	53.5	53.4	-0.1	-0.2%
75.3%	53.5	53.3	-0.2	-0.3%
76.5%	53.5	53.2	-0.3	-0.5%
77.8%	53.4	53.2	-0.2	-0.4%
79.0%	53.4	53.2	-0.2	-0.5%
80.2%	53.4	53.2	-0.2	-0.4%
81.5%	53.4	53.2	-0.2	-0.4%
82.7%	53.3	53.2	-0.2	-0.3%
84.0%	53.3	53.2	-0.1	-0.2%
85.2%	53.3	53.1	-0.1	-0.3%
86.4%	53.3	53.0	-0.3	-0.5%
87.7%	53.2	53.0	-0.3	-0.5%
88.9%	53.2	53.0	-0.3	-0.5%
90.1%	53.1	52.9	-0.2	-0.3%
91.4%	53.0	52.9	-0.1	-0.3%
92.6%	52.9	52.8	-0.2	-0.3%
93.8%	52.9	52.6	-0.3	-0.5%
95.1%	52.8	52.6	-0.2	-0.5%
96.3%	52.8	52.6	-0.3	-0.5%
97.5%	52.7	52.5	-0.2	-0.4%
98.8%	52.4	52.4	0.0	0.0%
100.0%	52.0	51.7	-0.3	-0.5%

Figure SQ15-1b
Clear Creek at Mouth, Monthly Temperature
Probability of Exceedance

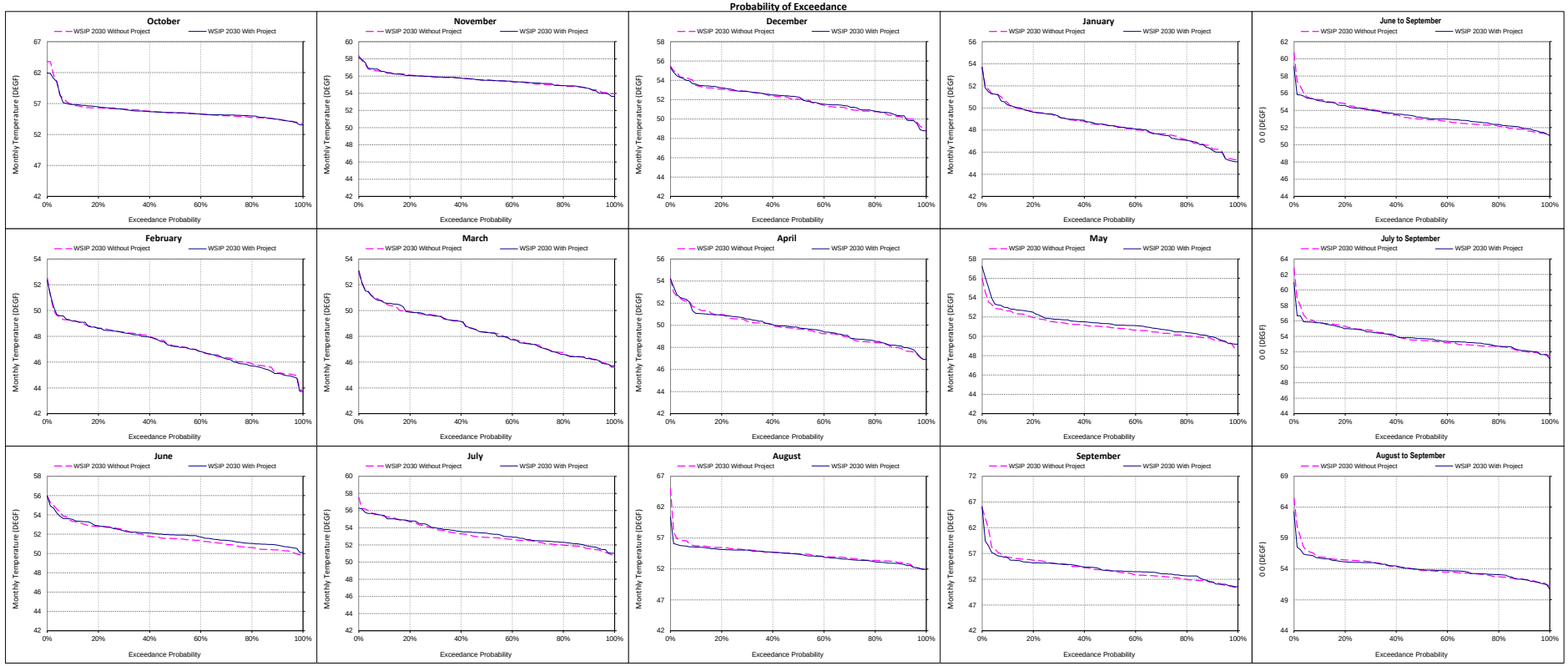


Table SQ15-1b

Clear Creek at Mouth, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	63.8	61.9	-1.9	-2.9%
1.2%	63.8	61.8	-1.9	-3.0%
2.5%	61.6	61.1	-0.5	-0.9%
3.7%	60.5	60.5	0.0	0.0%
4.9%	58.3	58.5	0.2	0.3%
6.2%	57.9	57.1	-0.7	-1.3%
7.4%	57.4	57.1	-0.3	-0.5%
8.6%	57.0	56.9	-0.2	-0.3%
9.9%	56.8	56.8	0.0	0.0%
11.1%	56.6	56.8	0.2	0.3%
12.3%	56.6	56.8	0.2	0.3%
13.6%	56.5	56.7	0.3	0.5%
14.8%	56.4	56.7	0.3	0.6%
16.0%	56.3	56.6	0.3	0.5%
17.3%	56.3	56.6	0.3	0.5%
18.5%	56.3	56.5	0.2	0.4%
19.8%	56.3	56.5	0.2	0.3%
21.0%	56.3	56.4	0.1	0.2%
22.2%	56.3	56.4	0.1	0.2%
23.5%	56.2	56.3	0.1	0.2%
24.7%	56.2	56.3	0.1	0.2%
25.9%	56.2	56.3	0.1	0.2%
27.2%	56.1	56.1	0.0	0.0%
28.4%	56.1	56.1	0.0	0.0%
29.6%	56.1	56.1	0.0	0.0%
30.9%	56.1	56.0	-0.1	-0.2%
32.1%	56.1	55.9	-0.2	-0.3%
33.3%	56.0	55.8	-0.2	-0.3%
34.6%	56.0	55.8	-0.2	-0.3%
35.8%	56.0	55.8	-0.2	-0.3%
37.0%	55.9	55.8	-0.1	-0.1%
38.3%	55.8	55.8	-0.1	-0.1%
39.5%	55.8	55.7	-0.1	-0.1%
40.7%	55.8	55.7	-0.1	-0.2%
42.0%	55.7	55.7	0.0	0.0%
43.2%	55.7	55.6	0.0	0.0%
44.4%	55.7	55.6	-0.1	-0.1%
45.7%	55.6	55.6	-0.1	-0.1%
46.9%	55.5	55.6	0.0	0.0%
48.1%	55.5	55.5	0.0	0.0%
49.4%	55.5	55.5	0.0	0.0%
50.6%	55.5	55.5	0.0	0.0%
51.9%	55.5	55.5	0.0	0.0%
53.1%	55.5	55.5	0.0	0.0%
54.3%	55.5	55.4	-0.1	-0.1%
55.6%	55.5	55.4	-0.1	-0.2%
56.8%	55.4	55.4	-0.1	-0.1%
58.0%	55.3	55.3	0.0	0.0%
59.3%	55.3	55.3	0.0	0.0%
60.5%	55.3	55.3	0.0	0.0%
61.7%	55.3	55.3	0.0	-0.1%
63.0%	55.2	55.2	0.0	0.0%
64.2%	55.2	55.2	0.0	0.1%
65.4%	55.1	55.2	0.1	0.1%
66.7%	55.1	55.2	0.1	0.1%
67.9%	55.1	55.2	0.1	0.2%
69.1%	55.0	55.2	0.1	0.2%
70.4%	55.0	55.2	0.1	0.3%
71.6%	55.0	55.2	0.2	0.3%
72.8%	55.0	55.1	0.1	0.3%
74.1%	54.9	55.1	0.2	0.3%
75.3%	54.9	55.1	0.2	0.3%
76.5%	54.9	55.1	0.2	0.3%
77.8%	54.9	55.1	0.2	0.3%
79.0%	54.8	55.0	0.2	0.4%
80.2%	54.7	55.0	0.2	0.4%
81.5%	54.7	55.0	0.2	0.5%
82.7%	54.7	54.8	0.1	0.2%
84.0%	54.7	54.8	0.1	0.1%
85.2%	54.7	54.8	0.1	0.1%
86.4%	54.7	54.6	-0.1	-0.1%
87.7%	54.6	54.6	0.0	-0.1%
88.9%	54.5	54.5	0.0	0.0%
90.1%	54.4	54.5	0.1	0.2%
91.4%	54.3	54.4	0.1	0.2%
92.6%	54.3	54.3	0.0	-0.1%
93.8%	54.2	54.2	0.0	-0.1%
95.1%	54.2	54.1	-0.1	-0.1%
96.3%	54.1	54.0	-0.1	-0.1%
97.5%	54.0	53.9	-0.1	-0.2%
98.8%	53.8	53.6	-0.2	-0.4%
100.0%	53.8	53.6	0.0	-0.4%

November

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.4	58.2	-0.2	-0.3%
1.2%	57.8	57.9	0.1	0.2%
2.5%	57.4	57.5	0.1	0.2%
3.7%	56.8	56.9	0.1	0.2%
4.9%	56.7	56.9	0.2	0.3%
6.2%	56.6	56.8	0.2	0.3%
7.4%	56.6	56.8	0.2	0.3%
8.6%	56.5	56.6	0.0	0.1%
9.9%	56.5	56.5	0.0	0.0%
11.1%	56.4	56.4	-0.1	-0.1%
12.3%	56.4	56.4	0.0	0.0%
13.6%	56.3	56.2	-0.1	-0.1%
14.8%	56.3	56.2	-0.1	-0.1%
16.0%	56.3	56.2	0.0	-0.1%
17.3%	56.2	56.2	-0.1	-0.1%
18.5%	56.2	56.1	-0.1	-0.3%
19.8%	56.1	56.1	0.0	-0.1%
21.0%	56.1	56.0	-0.1	-0.1%
22.2%	56.0	56.0	0.0	0.0%
23.5%	56.0	56.0	0.0	0.0%
24.7%	56.0	56.0	0.0	0.0%
25.9%	56.0	56.0	0.0	0.1%
27.2%	55.9	56.0	0.0	0.1%
28.4%	55.9	55.9	0.0	0.0%
29.6%	55.9	55.9	0.0	0.0%
30.9%	55.9	55.9	0.0	0.0%
32.1%	55.9	55.9	0.0	0.0%
33.3%	55.9	55.9	0.0	0.0%
34.6%	55.8	55.9	0.0	0.0%
35.8%	55.8	55.8	0.0	0.0%
37.0%	55.8	55.8	0.0	0.0%
38.3%	55.8	55.8	0.0	0.0%
39.5%	55.8	55.8	0.0	0.0%
40.7%	55.8	55.7	0.0	-0.1%
42.0%	55.7	55.7	0.0	-0.1%
43.2%	55.7	55.7	0.0	-0.1%
44.4%	55.6	55.7	0.0	0.0%
45.7%	55.6	55.6	0.0	0.1%
46.9%	55.6	55.6	0.0	0.0%
48.1%	55.6	55.5	-0.1	-0.1%
49.4%	55.6	55.5	-0.1	-0.1%
50.6%	55.6	55.5	-0.1	-0.1%
51.9%	55.5	55.5	0.0	0.0%
53.1%	55.5	55.5	0.0	0.0%
54.3%	55.4	55.5	0.0	0.0%
55.6%	55.4	55.4	0.0	0.0%
56.8%	55.4	55.4	0.0	0.0%
58.0%	55.4	55.4	0.1	0.1%
59.3%	55.4	55.4	0.0	0.1%
60.5%	55.3	55.3	0.0	0.0%
61.7%	55.3	55.3	0.0	0.0%
63.0%	55.3	55.3	0.0	0.0%
64.2%	55.3	55.3	0.0	0.0%
65.4%	55.2	55.3	0.1	0.2%
66.7%	55.2	55.2	0.0	0.1%
67.9%	55.1	55.2	0.1	0.1%
69.1%	55.1	55.2	0.1	0.2%
70.4%	55.1	55.2	0.1	0.2%
71.6%	55.0	55.1	0.1	0.2%
72.8%	55.0	55.1	0.1	0.2%
74.1%	55.0	55.1	0.2	0.3%
75.3%	55.0	55.1	0.1	0.2%
76.5%	55.0	54.9	0.0	0.0%
77.8%	54.9	54.9	0.0	-0.1%
79.0%	54.9	54.9	0.0	0.0%
80.2%	54.9	54.9	0.0	0.0%
81.5%	54.8	54.9	0.1	0.1%
82.7%	54.8	54.9	0.1	0.1%
84.0%	54.8	54.8	0.1	0.1%
85.2%	54.8	54.8	0.1	0.1%
86.4%	54.7	54.7	0.0	0.0%
87.7%	54.7	54.7	0.0	-0.1%
88.9%	54.6	54.6	0.0	-0.1%
90.1%	54.5	54.5	0.0	0.0%
91.4%	54.4	54.4	0.0	-0.1%
92.6%	54.4	54.3	-0.1	-0.2%
93.8%	54.3	54.0	-0.3	-0.6%
95.1%	54.1	54.0	-0.1	-0.2%
96.3%	54.1	54.0	-0.1	-0.2%
97.5%	54.0	53.9	-0.1	-0.2%
98.8%	53.9	53.6	-0.3	-0.6%
100.0%	53.9	53.6	-0.3	-0.6%

December

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.5	55.3	-0.2	-0.3%
1.2%	55.0	54.8	-0.2	-0.3%
2.5%	54.9	54.5	-0.4	-0.7%
3.7%	54.3	54.3	0.0	0.0%
4.9%	54.3	54.2	-0.1	-0.2%
6.2%	54.3	54.0	-0.3	-0.5%
7.4%	54.1	54.0	-0.2	-0.3%
8.6%	54.0	53.7	-0.4	-0.7%
9.9%	53.5	53.6	0.1	0.3%
11.1%	53.4	53.5	0.1	0.1%
12.3%	53.3	53.5	0.1	0.3%
13.6%	53.2	53.4	0.2	0.3%
14.8%	53.2	53.4	0.2	0.4%
16.0%	53.2	53.4	0.2	0.3%
17.3%	53.2	53.4	0.2	0.4%
18.5%	53.1	53.3	0.2	0.3%
19.8%	53.1	53.2	0.2	0.3%
21.0%	53.1	53.2	0.1	0.2%
22.2%	53.0	53.1	0.2	0.3%
23.5%	53.0	53.1	0.1	0.2%
24.7%	52.9	53.0	0.1	0.1%
25.9%	52.9	52.9	0.0	-0.1%
27.2%	52.9	52.9	0.0	-0.1%
28.4%	52.9	52.9	0.0	0.0%
29.6%	52.9	52.9	0.0	0.0%
30.9%	52.8	52.8	0.1	0.1%
32.1%	52.8	52.8	0.0	0.0%
33.3%	52.7	52.7	0.0	0.0%
34.6%	52.7	52.7	0.0	0.0%
35.8%	52.7	52.6	0.0	0.0%
37.0%	52.6	52.6	0.0	0.0%
38.3%	52.4	52.6	0.1	0.2%
39.5%	52.4	52.5	0.1	0.2%
40.7%	52.4	52.5	0.1	0.2%
42.0%	52.3	52.5	0.1	0.2%
43.2%	52.3	52.4	0.1	0.3%
44.4%	52.3	52.4	0.1	0.2%
45.7%	52.3	52.4	0.1	0.2%
46.9%	52.1	52.4	0.3	0.5%
48.1%	52.1	52.3	0.3	0.5%
49.4%	52.1	52.3	0.2	0.4%
50.6%	52.0	52.2	0.2	0.4%
51.9%	52.0	51.9	-0.1	-0.2%
53.1%	52.0	51.8	-0.1	-0.3%
54.3%	51.9	51.8	-0.1	-0.2%
55.6%	51.7	51.7	0.1	0.1%
56.8%	51.6	51.7	0.1	0.2%
58.0%	51.6	51.6	0.0	0.0%
59.3%	51.5	51.5	0.1	0.1%
60.5%	51.4	51.5	0.2	0.3%
61.7%	51.3	51.5	0.2	0.4%
63.0%	51.3	51.5	0.2	0.4%
64.2%	51.2	51.5	0.2	0.5%
65.4%	51.2	51.5	0.2	0.5%
66.7%	51.2	51.5	0.2	0.5%
67.9%	51.2	51.4	0.2	0.4%
69.1%	51.1	51.4	0.3	0.5%
70.4%	51.0	51.2	0.2	0.5%
71.6%	50.9	51.2	0.3	0.6%
72.8%	50.9	51.2	0.3	0.5%
74.1%	50.9	51.0	0.1	0.1%
75.3%	50.8	51.0	0.1	0.2%
76.5%	50.8	50.9	0.1	0.2%
77.8%	50.8	50.9	0.1	0.2%
79.0%	50.8	50.9	0.1	0.2%
80.2%	50.8	50.8	0.0	0.1%
81.5%	50.7	50.7	0.0	0.0%
82.7%	50.6	50.7	0.1	0.2%
84.0%	50.6	50.7	0.1	0.2%
85.2%	50.4	50.7	0.2	0.5%
86.4%	50.4	50.6	0.2	0.4%
87.7%	50.3	50.4	0.1	0.3%
88.9%	50.3	50.4	0.1	0.2%
90.1%	50.2	50.3	0.1	0.2%
91.4%	50.1	50.3	0.2	0.5%
92.6%	50.0	49.9	-0.2	-0.3%
93.8%	50.0	49.8	-0.2	-0.3%
95.1%	50.0	49.8	-0.2	-0.3%
96.3%	49.7	49.5	-0.2	-0.3%
97.5%	49.3	48.9	-0.4	-0.8%
98.8%	49.1	48.8	-0.3	-0.6%
100.0%	49.1	48.8	-0.3	-0.6%

January

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.7	53.7	0.0	0.0%
1.2%	51.9	51.8	-0.1	-0.2%
2.5%	51.7	51.5	-0.2	-0.5%
3.7%	51.3	51.3	0.0	-0.1%
4.9%	51.3	51.2	-0.1	-0.1%
6.2%	51.2	51.2	0.0	0.0%
7.4%	51.0	50.6	-0.4	-0.7%
8.6%	50.7	50.6	-0.2	-0.3%
9.9%	50.5	50.3	-0.2	-0.4%
11.1%	50.1	50.2	0.1	0.1%
12.3%	50.1	50.1	0.0	0.0%
13.6%	50.0	50.0	0.1	0.2%
14.8%	49.9	50.0	0.1	0.2%
16.0%	49.8	49.9	0.1	0.1%
17.3%	49.8	49.8	0.0	0.0%
18.5%	49.8	49.7	-0.1	-0.1%
19.8%	49.7	49.6	-0.1	-0.1%
21.0%	49.6	49.6	0.0	0.1%
22.2%	49.6	49.6	0.0	0.0%
23.5%	49.6	49.5	0.0	0.0%
24.7%	49.5	49.5	0.0	0.0%
25.9%	49.5	49.4	0.0	-0.1%
27.2%	49.5	49.4	0.0	0.0%
28.4%	49.3	49.4	0.1	0.2%
29.6%	49.2	49.3	0.1	0.2%
30.9%	49.1	49.1	0.0	0.0%
32.1%	49.1	49.1	0.0	0.0%
33.3%	48.9	49.0	0.1	0.1%
34.6%	48.9	49.0	0.1	0.1%
35.8%	48.9	49.0	0.1	0.2%
37.0%	48.8	48.9	0.1	0.2%
38.3%	48.8	48.9	0.1	0.1%
39.5%	48.8	48.9	0.1	0.2%
40.7%	48.7	48.7	0.0	0.0%
42.0%	48.6	48.7	0.2	0.3%
43.2%	48.6	48.7	0.1	0.3%
44.4%	48.5	48.6	0.0	0.1%
45.7%	48.5	48.5	0.0	0.1%
46.9%	48.5	48.5	0.0	0.1%
48.1%	48.5	48.5	0.0	-0.1%
49.4%	48.4	48.4	0.0	0.0%
50.6%	48.4	48.4	0.0	0.1%
51.9%	48.4	48.4	0.0	0.1%
53.1%	48.3	48.3	-0.1	-0.1%
54.3%	48.3	48.3	0.0	0.0%
55.6%	48.2	48.2	0.1	0.1%
56.8%	48.1	48.2	0.1	0.1%
58.0%	48.1	48.2	0.1	0.1%
59.3%	48.1	48.1	0.1	0.1%
60.5%	48.0	48.1	0.1	0.2%
61.7%	48.0	48.1	0.1	0.2%
63.0%	48.0	48.0	0.1	0.1%
64.2%	47.9	48.0	0.1	0.2%
65.4%	47.8	47.8	0.1	0.2%
66.7%	47.7	47.7	-0.1	-0.2%
67.9%	47.7	47.7	0.0	-0.1%
69.1%	47.7	47.6	-0.1	-0.1%
70.4%	47.7	47.6	-0.1	-0.2%
71.6%	47.7	47.5	-0.1	-0.3%
72.8%	47.6	47.5	-0.1	-0.1%
74.1%	47.5	47.3	-0.3	-0.6%
75.3%	47.5	47.2	-0.3	-0.5%
76.5%	47.5	47.2	-0.3	-0.6%
77.8%	47.2	47.1	-0.1	-0.3%
79.0%	47.2	47.1	-0.1	-0.2%
80.2%	47.1	47.1	0.0	-0.1%
81.5%	47.1	47.0	-0.1	-0.1%
82.7%	46.8	47.0	0.1	0.3%
84.0%	46.8	46.9	0.1	0.3%
85.2%	46.8	46.7	-0.1	-0.2%
86.4%	46.7	46.7	0.0	-0.1%
87.7%	46.6	46.5	-0.2	-0.4%
88.9%	46.6	46.4	-0.3	-0.6%
90.1%	46.3	46.2	-0.1	-0.3%
91.4%	46.3	46.0	-0.3	-0.6%
92.6%	46.3	46.0	-0.2	-0.5%
93.8%	46.1	46.0	-0.1	-0.2%
95.1%	45.5	45.4	-0.1	-0.2%
96.3%	45.4	45.3	-0.2	-0.4%
97.5%	45.4	45.2	-0.2	-0.4%
98.8%	45.3	45.1	-0.2	-0.4%
100.0%	45.3	45.1	-0.2	-0.4%

Table SQ15-1b

Clear Creek at Mouth, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.5	52.4	-0.2	-0.3%
1.2%	51.1	51.2	0.1	0.2%
2.5%	50.0	50.3	0.3	0.6%
3.7%	49.6	49.7	0.1	0.2%
4.9%	49.5	49.6	0.1	0.2%
6.2%	49.3	49.6	0.3	0.6%
7.4%	49.3	49.3	0.1	0.1%
8.6%	49.3	49.3	0.0	0.0%
9.9%	49.2	49.2	-0.1	-0.1%
11.1%	49.2	49.2	0.0	0.0%
12.3%	49.1	49.1	0.0	0.0%
13.6%	49.1	49.1	0.0	0.0%
14.8%	48.9	49.1	0.2	0.4%
16.0%	48.8	48.8	0.0	0.0%
17.3%	48.8	48.7	-0.1	-0.1%
18.5%	48.7	48.7	0.0	0.0%
19.8%	48.7	48.6	0.0	-0.1%
21.0%	48.6	48.6	0.0	0.0%
22.2%	48.6	48.5	-0.2	-0.3%
23.5%	48.5	48.5	-0.1	-0.2%
24.7%	48.5	48.4	0.0	-0.1%
25.9%	48.4	48.4	0.0	-0.1%
27.2%	48.4	48.4	0.0	0.0%
28.4%	48.4	48.4	0.0	0.0%
29.6%	48.3	48.3	-0.1	-0.1%
30.9%	48.3	48.2	0.0	-0.1%
32.1%	48.3	48.2	0.0	0.0%
33.3%	48.2	48.1	-0.1	-0.2%
34.6%	48.2	48.1	-0.1	-0.2%
35.8%	48.2	48.1	-0.1	-0.2%
37.0%	48.1	48.0	-0.1	-0.2%
38.3%	48.1	48.0	-0.1	-0.3%
39.5%	48.0	48.0	-0.1	-0.2%
40.7%	47.9	47.9	0.0	-0.1%
42.0%	47.8	47.8	0.0	0.1%
43.2%	47.8	47.7	-0.1	-0.1%
44.4%	47.7	47.6	-0.1	-0.2%
45.7%	47.7	47.6	-0.1	-0.2%
46.9%	47.4	47.3	0.0	0.0%
48.1%	47.4	47.3	-0.1	-0.2%
49.4%	47.3	47.2	0.0	0.0%
50.6%	47.2	47.2	0.0	0.1%
51.9%	47.2	47.2	0.0	-0.1%
53.1%	47.2	47.1	0.0	-0.1%
54.3%	47.1	47.1	0.0	0.1%
55.6%	47.0	47.0	0.0	0.0%
56.8%	47.0	47.0	0.0	0.0%
58.0%	47.0	47.0	0.0	0.0%
59.3%	46.9	46.9	0.0	0.0%
60.5%	46.8	46.8	0.0	0.0%
61.7%	46.7	46.7	0.0	-0.1%
63.0%	46.6	46.6	0.0	0.0%
64.2%	46.6	46.6	0.0	-0.1%
65.4%	46.5	46.6	0.0	0.1%
66.7%	46.4	46.6	0.1	0.3%
67.9%	46.4	46.4	0.0	0.0%
69.1%	46.3	46.3	0.0	-0.1%
70.4%	46.3	46.2	-0.1	-0.2%
71.6%	46.3	46.2	-0.1	-0.3%
72.8%	46.2	46.0	-0.2	-0.4%
74.1%	46.0	46.0	-0.1	-0.2%
75.3%	46.0	45.9	-0.2	-0.3%
76.5%	46.0	45.9	-0.2	-0.3%
77.8%	46.0	45.8	-0.2	-0.3%
79.0%	46.0	45.7	-0.2	-0.5%
80.2%	45.8	45.7	-0.2	-0.3%
81.5%	45.8	45.7	-0.1	-0.3%
82.7%	45.7	45.6	-0.1	-0.3%
84.0%	45.7	45.5	-0.2	-0.4%
85.2%	45.7	45.5	-0.2	-0.5%
86.4%	45.6	45.4	-0.2	-0.5%
87.7%	45.6	45.3	-0.3	-0.7%
88.9%	45.2	45.1	-0.1	-0.2%
90.1%	45.2	45.1	0.0	-0.1%
91.4%	45.2	45.1	-0.1	-0.1%
92.6%	45.1	45.0	-0.1	-0.2%
93.8%	45.1	45.0	-0.1	-0.3%
95.1%	45.1	44.9	-0.1	-0.3%
96.3%	45.0	44.8	-0.2	-0.4%
97.5%	45.0	44.8	-0.2	-0.5%
98.8%	43.8	43.7	-0.1	-0.2%
100.0%	43.8	43.7	-0.1	-0.2%

March

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.0	53.1	0.1	0.1%
1.2%	52.1	52.2	0.0	0.1%
2.5%	51.6	51.5	-0.1	-0.2%
3.7%	51.5	51.4	0.0	-0.1%
4.9%	51.2	51.2	0.0	0.0%
6.2%	51.1	50.9	-0.1	-0.3%
7.4%	50.9	50.8	-0.1	-0.2%
8.6%	50.7	50.8	0.0	0.1%
9.9%	50.7	50.6	-0.1	-0.2%
11.1%	50.5	50.6	0.1	0.2%
12.3%	50.4	50.6	0.2	0.3%
13.6%	50.3	50.5	0.2	0.3%
14.8%	50.2	50.5	0.3	0.5%
16.0%	50.0	50.4	0.5	0.9%
17.3%	50.0	50.3	0.3	0.6%
18.5%	50.0	49.9	0.0	-0.1%
19.8%	50.0	49.9	-0.1	-0.2%
21.0%	49.9	49.9	0.0	0.0%
22.2%	49.8	49.8	0.1	0.1%
23.5%	49.8	49.8	0.1	0.2%
24.7%	49.7	49.8	0.1	0.1%
25.9%	49.7	49.7	-0.1	-0.1%
27.2%	49.7	49.6	-0.1	-0.1%
28.4%	49.7	49.6	0.0	-0.1%
29.6%	49.6	49.6	-0.1	-0.2%
30.9%	49.6	49.6	-0.1	-0.1%
32.1%	49.6	49.5	0.0	-0.1%
33.3%	49.3	49.4	0.1	0.2%
34.6%	49.3	49.3	0.0	0.0%
35.8%	49.3	49.3	0.0	0.0%
37.0%	49.2	49.2	0.0	-0.1%
38.3%	49.2	49.2	0.0	-0.1%
39.5%	49.1	49.2	0.0	0.1%
40.7%	49.1	49.1	0.0	-0.1%
42.0%	48.7	48.8	0.1	0.2%
43.2%	48.7	48.7	0.0	0.0%
44.4%	48.6	48.6	0.0	-0.1%
45.7%	48.5	48.5	0.0	0.0%
46.9%	48.4	48.4	0.0	0.1%
48.1%	48.3	48.3	0.0	0.0%
49.4%	48.3	48.3	0.0	-0.1%
50.6%	48.3	48.3	0.0	-0.1%
51.9%	48.2	48.3	0.0	0.0%
53.1%	48.2	48.3	0.0	0.0%
54.3%	48.2	48.0	-0.2	-0.4%
55.6%	48.1	48.0	-0.1	-0.3%
56.8%	48.0	48.0	0.0	0.0%
58.0%	47.9	48.0	0.1	0.2%
59.3%	47.9	47.8	-0.1	-0.2%
60.5%	47.8	47.7	-0.1	-0.1%
61.7%	47.7	47.7	0.0	0.0%
63.0%	47.6	47.5	-0.1	-0.3%
64.2%	47.5	47.5	-0.1	-0.1%
65.4%	47.5	47.4	0.0	-0.1%
66.7%	47.4	47.4	0.0	0.0%
67.9%	47.4	47.4	0.0	-0.1%
69.1%	47.4	47.4	0.0	0.0%
70.4%	47.3	47.2	-0.1	-0.3%
71.6%	47.1	47.1	0.0	-0.1%
72.8%	47.0	47.0	0.0	0.0%
74.1%	47.0	47.0	0.0	0.1%
75.3%	46.9	46.8	-0.1	-0.2%
76.5%	46.8	46.8	0.0	0.0%
77.8%	46.8	46.7	-0.1	-0.1%
79.0%	46.8	46.6	-0.2	-0.3%
80.2%	46.8	46.6	-0.2	-0.3%
81.5%	46.5	46.5	0.0	0.0%
82.7%	46.5	46.4	0.0	-0.1%
84.0%	46.5	46.4	0.0	-0.1%
85.2%	46.4	46.4	0.0	0.0%
86.4%	46.4	46.4	0.0	-0.1%
87.7%	46.4	46.4	0.0	0.0%
88.9%	46.4	46.3	-0.1	-0.2%
90.1%	46.3	46.3	0.0	-0.1%
91.4%	46.2	46.2	0.0	-0.1%
92.6%	46.1	46.2	0.1	0.2%
93.8%	46.1	46.1	0.0	0.0%
95.1%	46.0	45.9	-0.1	-0.2%
96.3%	45.9	45.9	0.0	-0.1%
97.5%	45.9	45.8	0.0	-0.1%
98.8%	45.6	45.7	0.1	0.2%
100.0%	45.6	45.7	0.1	0.2%

April

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.2	54.2	0.0	0.0%
1.2%	53.0	53.5	0.5	0.9%
2.5%	52.6	52.8	0.2	0.3%
3.7%	52.5	52.5	0.0	0.1%
4.9%	52.3	52.4	0.2	0.3%
6.2%	52.2	52.3	0.2	0.3%
7.4%	52.2	52.1	0.0	-0.1%
8.6%	51.7	51.3	-0.4	-0.8%
9.9%	51.6	51.1	-0.5	-1.0%
11.1%	51.4	51.1	-0.4	-0.7%
12.3%	51.3	51.1	-0.3	-0.5%
13.6%	51.3	51.0	-0.3	-0.6%
14.8%	51.3	51.0	-0.3	-0.7%
16.0%	51.1	51.0	-0.1	-0.2%
17.3%	51.0	50.9	0.0	-0.1%
18.5%	51.0	50.9	0.0	-0.1%
19.8%	51.0	50.9	0.0	-0.1%
21.0%	51.0	50.9	-0.1	-0.1%
22.2%	50.8	50.8	0.1	0.1%
23.5%	50.6	50.8	0.2	0.4%
24.7%	50.6	50.8	0.2	0.4%
25.9%	50.6	50.8	0.2	0.4%
27.2%	50.6	50.7	0.2	0.3%
28.4%	50.6	50.7	0.1	0.2%
29.6%	50.4	50.6	0.2	0.3%
30.9%	50.3	50.6	0.2	0.5%
32.1%	50.2	50.5	0.2	0.5%
33.3%	50.2	50.4	0.2	0.4%
34.6%	50.2	50.4	0.2	0.3%
35.8%	50.2	50.4	0.2	0.3%
37.0%	50.2	50.2	0.0	0.0%
38.3%	50.2	50.2	0.0	0.0%
39.5%	50.0	50.1	0.1	0.2%
40.7%	49.9	50.0	0.1	0.1%
42.0%	49.9	50.0	0.1	0.1%
43.2%	49.8	49.9	0.1	0.3%
44.4%	49.8	49.9	0.1	0.3%
45.7%	49.8	49.9	0.1	0.3%
46.9%	49.8	49.9	0.1	0.2%
48.1%	49.7	49.8	0.1	0.2%
49.4%	49.7	49.8	0.2	0.3%
50.6%	49.7	49.7	0.1	0.2%
51.9%	49.6	49.7	0.1	0.2%
53.1%	49.6	49.7	0.1	0.3%
54.3%	49.5	49.7	0.1	0.2%
55.6%	49.5	49.6	0.1	0.3%
56.8%	49.4	49.6	0.2	0.5%
58.0%	49.4	49.6	0.2	0.4%
59.3%	49.3	49.5	0.2	0.4%
60.5%	49.2	49.4	0.1	0.3%
61.7%	49.2	49.4	0.1	0.3%
63.0%	49.2	49.3	0.1	0.2%
64.2%	49.2	49.3	0.1	0.2%
65.4%	49.1	49.2	0.1	0.2%
66.7%	49.1	49.2	0.1	0.2%
67.9%	49.0	49.1	0.1	0.3%
69.1%	49.0	49.1	0.1	0.3%
70.4%	48.9	48.8	-0.1	-0.2%
71.6%	48.7	48.8	0.1	0.2%
72.8%	48.6	48.7	0.2	0.3%
74.1%	48.5	48.7	0.2	0.4%
75.3%	48.5	48.7	0.2	0.4%
76.5%	48.5	48.7	0.2	0.4%
77.8%	48.5	48.7	0.2	0.4%
79.0%	48.5	48.6	0.2	0.3%
80.2%	48.4	48.5	0.1	0.2%
81.5%	48.4	48.5	0.1	0.2%
82.7%	48.4	48.4	0.0	0.0%
84.0%	48.3	48.4	0.1	0.1%
85.2%	48.2	48.2	0.0	0.1%
86.4%	48.0	48.2	0.2	0.4%
87.7%	48.0	48.2	0.2	0.5%
88.9%	48.0	48.2	0.2	0.4%
90.1%	47.9	48.1	0.2	0.4%
91.4%	47.7	48.0	0.3	0.6%
92.6%	47.7	48.0	0.3	0.7%
93.8%	47.6	47.9	0.3	0.6%
95.1%	47.6	47.8	0.2	0.4%
96.3%	47.4	47.5	0.1	0.2%
97.5%	47.1	47.1	0.0	0.0%
98.8%	46.9	46.9	0.0	0.0%
100.0%	46.9	46.9	0.0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.0	57.2	1.3	2.3%
1.2%	54.6	56.1	1.5	2.8%
2.5%	53.5	55.1	1.5	2.8%
3.7%	53.3	54.0	0.7	1.3%
4.9%	52.9	53.3	0.4	0.8%
6.2%	52.8	53.3	0.4	0.8%
7.4%	52.8	53.2	0.4	0.7%
8.6%	52.7	53.0	0.3	0.7%
9.9%	52.6	53.0	0.4	0.7%
11.1%	52.6	52.8	0.2	0.4%
12.3%	52.4	52.8	0.4	0.8%
13.6%	52.3	52.7	0.4	0.7%
14.8%	52.3	52.7	0.4	0.7%
16.0%	52.3	52.7	0.4	0.7%
17.3%	52.1	52.6	0.5	1.0%
18.5%	52.1	52.5	0.5	0.9%
19.8%	52.0	52.5	0.6	1.1%
21.0%	51.9	52.3	0.4	0.8%
22.2%	51.8	52.2	0.4	0.8%
23.5%	51.7	52.0	0.3	0.6%
24.7%	51.7	51.9	0.2	0.3%
25.9%	51.5	51.8	0.3	0.6%
27.2%	51.5	51.8	0.3	0.5%
28.4%	51.5	51.8	0.3	0.6%
29.6%	51.5	51.8	0.3	0.6%
30.9%	51.4	51.7	0.3	0.6%
32.1%	51.4	51.7	0.3	0.7%
33.3%	51.3	51.7	0.4	0.8%
34.6%	51.3	51.6	0.3	0.6%
35.8%	51.2	51.6	0.3	0.6%
37.0%	51.2	51.5	0.3	0.6%
38.3%	51.2	51.5	0.3	0.6%
39.5%	51.2	51.5	0.3	0.6%
40.7%	51.1	51.5	0.4	0.7%
42.0%	51.1	51.5	0.4	0.8%
43.2%	51.1	51.4	0.3	0.6%
44.4%	51.1	51.4	0.3	0.7%
45.7%	51.0	51.4	0.3	0.7%
46.9%	51.0	51.3	0.3	0.6%
48.1%	51.0	51.3	0.4	0.7%
49.4%	51.0	51.3	0.4	0.7%
50.6%	50.9	51.3	0.4	0.7%
51.9%	50.9	51.2	0.3	0.6%
53.1%	50.8	51.2	0.3	0.6%
54.3%	50.8	51.2	0.3	0.7%
55.6%	50.8	51.1	0.3	0.7%
56.8%	50.8	51.1	0.4	0.7%
58.0%	50.7	51.1	0.4	0.8%
59.3%	50.6	51.1	0.5	0.9%
60.5%	50.6	51.1	0.5	1.0%
61.7%	50.6	51.1	0.5	0.9%
63.0%	50.6	51.0	0.4	0.8%
64.2%	50.6	51.0	0.4	0.7%
65.4%	50.6	50.9	0.4	0.7%
66.7%	50.5	50.8	0.4	0.8%
67.9%	50.5	50.8	0.4	0.7%
69.1%	50.4	50.8	0.4	0.7%
70.4%	50.3	50.7	0.4	0.8%
71.6%	50.3	50.7	0.4	0.7%
72.8%	50.3	50.6	0.3	0.7%
74.1%	50.2	50.6	0.3	0.7%
75.3%	50.1	50.5	0.3	0.6%
76.5%	50.1	50.5	0.3	0.6%
77.8%	50.1	50.5	0.3	0.7%
79.0%	50.1	50.4	0.4	0.7%
80.2%	50.0	50.4	0.3	0.7%
81.5%	50.0	50.4	0.3	0.7%
82.7%	49.9	50.3	0.3	0.7%
84.0%	49.9	50.3	0.3	0.7%
85.2%	49.9	50.2	0.2	0.5%
86.4%	49.9	50.1	0.3	0.5%
87.7%	49.8	50.1	0.3	0.5%
88.9%	49.8	50.0	0.1	0.2%
90.1%	49.7	49.9	0.2	0.5%
91.4%	49.6	49.9	0.3	0.6%
92.6%	49.5	49.7	0.1	0.3%
93.8%	49.5	49.6	0.1	0.1%
95.1%	49.4	49.5	0.1	0.2%
96.3%	49.4	49.3	-0.1	-0.3%
97.5%	49.2	49.2	0.0	0.0%
98.8%	48.7	49.2	0.4	0.9%
100.0%	48.7	49.2	0.4	0.9%

Table SQ15-1b

Clear Creek at Mouth, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.9	56.0	0.0	0.1%
1.2%	55.3	54.9	-0.4	-0.7%
2.5%	55.0	54.7	-0.3	-0.5%
3.7%	54.6	54.2	-0.4	-0.7%
4.9%	54.3	53.9	-0.5	-0.9%
6.2%	53.9	53.6	-0.2	-0.4%
7.4%	53.8	53.6	-0.2	-0.4%
8.6%	53.5	53.6	0.1	0.2%
9.9%	53.3	53.5	0.2	0.4%
11.1%	53.3	53.4	0.1	0.1%
12.3%	53.2	53.4	0.1	0.2%
13.6%	53.1	53.3	0.2	0.4%
14.8%	53.0	53.3	0.3	0.6%
16.0%	52.9	53.3	0.4	0.8%
17.3%	52.8	53.1	0.3	0.5%
18.5%	52.8	52.9	0.1	0.2%
19.8%	52.8	52.9	0.1	0.1%
21.0%	52.8	52.8	0.0	0.1%
22.2%	52.8	52.8	0.0	0.0%
23.5%	52.8	52.7	-0.1	-0.1%
24.7%	52.7	52.7	0.0	-0.1%
25.9%	52.7	52.6	-0.1	-0.2%
27.2%	52.6	52.6	0.0	-0.1%
28.4%	52.6	52.5	-0.1	-0.2%
29.6%	52.5	52.4	-0.1	-0.2%
30.9%	52.4	52.3	-0.1	-0.2%
32.1%	52.2	52.2	0.0	0.0%
33.3%	52.2	52.2	0.0	0.0%
34.6%	52.1	52.2	0.1	0.2%
35.8%	52.0	52.2	0.1	0.3%
37.0%	52.0	52.2	0.2	0.3%
38.3%	51.8	52.2	0.4	0.7%
39.5%	51.8	52.1	0.3	0.6%
40.7%	51.7	52.1	0.3	0.7%
42.0%	51.7	52.1	0.3	0.6%
43.2%	51.7	52.0	0.3	0.6%
44.4%	51.6	52.0	0.4	0.8%
45.7%	51.6	52.0	0.4	0.8%
46.9%	51.6	52.0	0.4	0.7%
48.1%	51.6	51.9	0.4	0.7%
49.4%	51.5	51.9	0.4	0.7%
50.6%	51.5	51.9	0.4	0.7%
51.9%	51.5	51.9	0.4	0.8%
53.1%	51.5	51.9	0.4	0.8%
54.3%	51.4	51.9	0.5	0.9%
55.6%	51.4	51.8	0.4	0.8%
56.8%	51.4	51.8	0.5	0.9%
58.0%	51.4	51.8	0.5	0.9%
59.3%	51.4	51.8	0.4	0.7%
60.5%	51.3	51.7	0.4	0.8%
61.7%	51.2	51.6	0.3	0.6%
63.0%	51.2	51.6	0.3	0.7%
64.2%	51.2	51.5	0.3	0.7%
65.4%	51.1	51.5	0.3	0.7%
66.7%	51.1	51.4	0.4	0.7%
67.9%	51.1	51.4	0.3	0.6%
69.1%	51.1	51.4	0.3	0.6%
70.4%	50.9	51.3	0.4	0.8%
71.6%	50.9	51.3	0.4	0.8%
72.8%	50.9	51.3	0.4	0.8%
74.1%	50.8	51.2	0.4	0.8%
75.3%	50.7	51.2	0.5	0.9%
76.5%	50.7	51.1	0.4	0.8%
77.8%	50.6	51.1	0.5	0.9%
79.0%	50.6	51.0	0.4	0.8%
80.2%	50.6	51.0	0.4	0.8%
81.5%	50.6	51.0	0.4	0.9%
82.7%	50.5	51.0	0.5	1.0%
84.0%	50.4	51.0	0.5	1.1%
85.2%	50.4	51.0	0.5	1.1%
86.4%	50.4	50.9	0.5	1.1%
87.7%	50.4	50.9	0.5	1.1%
88.9%	50.4	50.9	0.5	1.1%
90.1%	50.4	50.9	0.5	1.0%
91.4%	50.3	50.8	0.5	1.0%
92.6%	50.3	50.7	0.4	0.9%
93.8%	50.3	50.7	0.4	0.9%
95.1%	50.2	50.6	0.4	0.8%
96.3%	50.1	50.6	0.5	1.0%
97.5%	50.0	50.5	0.6	1.1%
98.8%	49.9	50.1	0.3	0.5%
100.0%	49.9	50.1	0.3	0.5%

July

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.5	56.3	-1.3	-2.2%
1.2%	56.2	56.2	-0.1	-0.1%
2.5%	56.2	55.8	-0.4	-0.7%
3.7%	56.0	55.7	-0.3	-0.6%
4.9%	55.8	55.7	-0.1	-0.2%
6.2%	55.6	55.6	0.1	0.1%
7.4%	55.5	55.5	0.0	0.0%
8.6%	55.4	55.5	0.1	0.2%
9.9%	55.4	55.5	0.1	0.2%
11.1%	55.3	55.1	-0.2	-0.4%
12.3%	55.2	55.1	-0.2	-0.3%
13.6%	55.2	55.0	-0.1	-0.2%
14.8%	55.0	55.0	0.0	-0.1%
16.0%	54.9	54.9	0.0	0.0%
17.3%	54.9	54.9	0.0	0.0%
18.5%	54.8	54.9	0.1	0.1%
19.8%	54.7	54.8	0.1	0.2%
21.0%	54.7	54.8	0.1	0.3%
22.2%	54.6	54.8	0.2	0.4%
23.5%	54.4	54.5	0.1	0.3%
24.7%	54.3	54.5	0.2	0.3%
25.9%	54.2	54.5	0.3	0.5%
27.2%	54.1	54.3	0.2	0.4%
28.4%	54.0	54.0	0.1	0.1%
29.6%	53.9	54.0	0.1	0.2%
30.9%	53.7	53.9	0.2	0.3%
32.1%	53.7	53.9	0.2	0.3%
33.3%	53.7	53.8	0.1	0.2%
34.6%	53.5	53.8	0.3	0.5%
35.8%	53.5	53.7	0.2	0.5%
37.0%	53.4	53.7	0.3	0.6%
38.3%	53.4	53.6	0.2	0.5%
39.5%	53.3	53.6	0.3	0.5%
40.7%	53.3	53.5	0.2	0.5%
42.0%	53.2	53.5	0.3	0.5%
43.2%	53.2	53.5	0.3	0.6%
44.4%	53.0	53.4	0.4	0.8%
45.7%	53.0	53.4	0.5	0.9%
46.9%	52.9	53.4	0.5	0.9%
48.1%	52.9	53.4	0.5	0.9%
49.4%	52.9	53.4	0.5	0.9%
50.6%	52.9	53.3	0.5	0.9%
51.9%	52.9	53.3	0.4	0.8%
53.1%	52.8	53.2	0.4	0.8%
54.3%	52.8	53.2	0.4	0.7%
55.6%	52.7	53.1	0.4	0.8%
56.8%	52.7	53.0	0.3	0.5%
58.0%	52.7	53.0	0.3	0.5%
59.3%	52.7	52.9	0.3	0.5%
60.5%	52.6	52.9	0.2	0.5%
61.7%	52.6	52.9	0.3	0.6%
63.0%	52.5	52.8	0.2	0.5%
64.2%	52.5	52.8	0.2	0.4%
65.4%	52.5	52.6	0.1	0.2%
66.7%	52.5	52.6	0.1	0.2%
67.9%	52.5	52.5	0.1	0.1%
69.1%	52.4	52.5	0.1	0.1%
70.4%	52.3	52.5	0.2	0.4%
71.6%	52.3	52.5	0.2	0.4%
72.8%	52.2	52.5	0.3	0.6%
74.1%	52.1	52.4	0.3	0.6%
75.3%	52.1	52.4	0.3	0.6%
76.5%	52.0	52.4	0.3	0.6%
77.8%	52.0	52.4	0.3	0.7%
79.0%	52.0	52.3	0.3	0.5%
80.2%	52.0	52.3	0.3	0.6%
81.5%	52.0	52.2	0.3	0.6%
82.7%	51.9	52.2	0.3	0.6%
84.0%	51.9	52.1	0.3	0.5%
85.2%	51.9	52.1	0.3	0.5%
86.4%	51.8	52.1	0.3	0.5%
87.7%	51.8	52.0	0.3	0.5%
88.9%	51.6	51.9	0.3	0.6%
90.1%	51.6	51.8	0.3	0.5%
91.4%	51.6	51.8	0.2	0.4%
92.6%	51.4	51.7	0.3	0.6%
93.8%	51.4	51.6	0.1	0.3%
95.1%	51.3	51.5	0.2	0.4%
96.3%	51.1	51.5	0.3	0.6%
97.5%	51.0	51.1	0.1	0.2%
98.8%	50.9	51.0	0.2	0.3%
100.0%	50.9	51.0	0.2	0.3%

August

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	65.1	60.5	-4.6	-7.1%
1.2%	58.0	56.1	-1.9	-3.2%
2.5%	56.9	56.0	-1.0	-1.7%
3.7%	56.7	55.8	-1.0	-1.7%
4.9%	56.6	55.8	-0.8	-1.4%
6.2%	56.6	55.7	-0.9	-1.6%
7.4%	56.1	55.6	-0.5	-0.9%
8.6%	55.8	55.6	-0.2	-0.4%
9.9%	55.7	55.5	-0.2	-0.3%
11.1%	55.7	55.5	-0.2	-0.3%
12.3%	55.7	55.5	-0.2	-0.4%
13.6%	55.7	55.4	-0.2	-0.4%
14.8%	55.6	55.4	-0.2	-0.4%
16.0%	55.5	55.3	-0.3	-0.5%
17.3%	55.5	55.3	-0.2	-0.4%
18.5%	55.5	55.2	-0.3	-0.5%
19.8%	55.5	55.1	-0.3	-0.6%
21.0%	55.4	55.1	-0.3	-0.5%
22.2%	55.4	55.1	-0.3	-0.5%
23.5%	55.3	55.1	-0.2	-0.3%
24.7%	55.3	55.1	-0.2	-0.4%
25.9%	55.2	55.1	-0.2	-0.3%
27.2%	55.2	55.1	-0.2	-0.3%
28.4%	55.1	55.0	-0.1	-0.1%
29.6%	55.1	55.0	-0.1	-0.1%
30.9%	55.1	55.0	-0.1	-0.1%
32.1%	55.0	54.9	-0.1	-0.2%
33.3%	55.0	54.9	-0.1	-0.2%
34.6%	54.9	54.9	-0.1	-0.1%
35.8%	54.8	54.8	0.0	0.0%
37.0%	54.7	54.8	0.0	0.0%
38.3%	54.7	54.8	0.0	0.1%
39.5%	54.7	54.7	0.0	0.0%
40.7%	54.7	54.7	0.0	0.0%
42.0%	54.6	54.7	0.0	0.1%
43.2%	54.6	54.6	0.0	0.0%
44.4%	54.6	54.6	0.0	-0.1%
45.7%	54.6	54.5	0.0	-0.1%
46.9%	54.6	54.5	-0.1	-0.1%
48.1%	54.5	54.4	-0.1	-0.1%
49.4%	54.5	54.4	0.0	-0.1%
50.6%	54.4	54.3	-0.1	-0.2%
51.9%	54.4	54.3	-0.2	-0.3%
53.1%	54.4	54.2	-0.3	-0.5%
54.3%	54.4	54.1	-0.3	-0.5%
55.6%	54.2	54.1	-0.1	-0.2%
56.8%	54.2	54.1	-0.1	-0.3%
58.0%	54.1	54.0	-0.1	-0.1%
59.3%	54.1	54.0	-0.1	-0.1%
60.5%	54.0	53.9	-0.2	-0.3%
61.7%	54.0	53.8	-0.1	-0.2%
63.0%	53.9	53.8	-0.2	-0.3%
64.2%	53.9	53.8	-0.2	-0.3%
65.4%	53.9	53.7	-0.2	-0.4%
66.7%	53.9	53.7	-0.3	-0.5%
67.9%	53.9	53.6	-0.3	-0.5%
69.1%	53.8	53.6	-0.2	-0.3%
70.4%	53.7	53.5	-0.2	-0.4%
71.6%	53.6	53.5	-0.2	-0.3%
72.8%	53.6	53.4	-0.2	-0.4%
74.1%	53.5	53.4	-0.1	-0.2%
75.3%	53.5	53.4	-0.1	-0.2%
76.5%	53.4	53.4	-0.1	-0.1%
77.8%	53.4	53.3	-0.1	-0.1%
79.0%	53.4	53.2	-0.1	-0.3%
80.2%	53.4	53.1	-0.3	-0.5%
81.5%	53.4	53.1	-0.2	-0.4%
82.7%	53.3	53.1	-0.3	-0.5%
84.0%	53.3	53.0	-0.3	-0.5%
85.2%	53.3	52.9	-0.3	-0.6%
86.4%	53.2	52.9	-0.3	-0.6%
87.7%	53.2	52.9	-0.3	-0.6%
88.9%	53.1	52.9	-0.2	-0.3%
90.1%	53.0	52.8	-0.3	-0.5%
91.4%	52.9	52.7	-0.2	-0.4%
92.6%	52.8	52.6	-0.3	-0.5%
93.8%	52.8	52.5	-0.2	-0.4%
95.1%	52.2	52.2	0.0	0.1%
96.3%	52.2	52.2	0.0	0.0%
97.5%	52.0	52.1	0.1	0.1%
98.8%	51.9	51.9	0.0	0.0%
100.0%	51.9	51.9	0.0	0.0%

September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	65.9	66.1	0.2	0.3%
1.2%	63.8	59.5	-4.4	-6.8%
2.5%	61.9	58.5	-3.4	-5.5%
3.7%	58.2	57.2	-1.1	-1.8%
4.9%	57.9	56.9	-1.0	-1.7%
6.2%	57.2	56.6	-0.6	-1.1%
7.4%	56.9	56.5	-0.4	-0.7%
8.6%	56.5	56.2	-0.2	-0.4%
9.9%	56.3	56.2	-0.1	-0.2%
11.1%	56.2	55.7	-0.5	-0.9%
12.3%	56.0	55.7	-0.3	-0.6%
13.6%	56.0	55.6	-0.4	-0.7%
14.8%	55.9	55.6	-0.3	-0.6%
16.0%	55.9	55.4	-0.5	-1.0%
17.3%	55.8	55.3	-0.5	-0.9%
18.5%	55.8	55.3	-0.5	-0.9%
19.8%	55.7	55.2	-0.5	-0.9%
21.0%	55.6	55.2	-0.5	-0.8%
22.2%	55.6	55.2	-0.4	-0.8%
23.5%	55.5	55.1	-0.4	-0.7%
24.7%	55.4	55.1	-0.3	-0.5%
25.9%	55.3	55.1	-0.2	-0.4%
27.2%	55.1	55.1	0.0	0.0%
28.4%	55.0	55.1	0.1	0.1%
29.6%	55.0	55.0	0.0	-0.1%
30.9%	55.0	54.9	-0.1	-0.2%
32.1%	55.0	54.9	-0.1	-0.2%
33.3%	54.8	54.9	0.0	0.0%
34.6%	54.5	54.9	0.3	0.6%
35.8%	54.5	54.8	0.3	0.5%
37.0%	54.5	54.7	0.2	0.4%
38.3%	54.4	54.5	0.1	0.1%
39.5%	54.3	54.4	0.1	0.2%
40.7%	54.2	54.4	0.1	0.2%
42.0%	54.1	54.4	0.2	0.4%
43.2%	53.9	54.3	0.4	0.7%
44.4%	53.9	54.3	0.4	0.7%
45.7%	53.9	54.1	0.2	0.4%
46.9%	53.8	53.8	-0.1	-0.2%
48.1%	53.8	53.7	-0.1	-0.1%
49.4%	53.8	53.7	-0.1	-0.2%
50.6%	53.6	53.6	0.0	0.0%
51.9%	53.5	53.6	0.1	0.2%
53.1%	53.4	53.6	0.2	0.3%
54.3%	53.3	53.6	0.3	0.6%
55.6%	53.2	53.5	0.3	0.6%
56.8%	53.2	53.5	0.3	0.6%
58.0%	53.2	53.5	0.3	0.7%
59.3%	52.9	53.5	0.6	1.1%
60.5%	52.8	53.5	0.6	1.2%
61.7%	52.8	53.5	0.7	1.3%
63.0%	52.8	53.4	0.6	1.2%
64.2%	52.7	53.4	0.7	1.2%
65.4%	52.7	53.4	0.7	1.3%
66.7%	52.7	53.4	0.7	1.2%
67.9%	52.6	53.3	0.7	1.3%
69.1%	52.6	53.2	0.6	1.1%
70.4%	52.6	53.1	0.5	0.9%
71.6%	52.5	53.0	0.5	1.0%
72.8%	52.4	53.0	0.6	1.1%
74.1%	52.4	53.0	0.6	1.2%
75.3%	52.3	52.8	0.5	1.0%
76.5%	52.3	52.8	0.6	1.1%
77.8%	52.1	52.7	0.7	1.3%
79.0%	52.0	52.7	0.7	1.3%
80.2%	51.9	52.7	0.7	1.4%
81.5%	51.9	52.7	0.8	1.5%
82.7%	51.8	52.7	0.8	1.6%
84.0%	51.8	52.6	0.8	1.6%
85.2%	51.7	52.2	0.5	1.0%
86.4%	51.7	52.0	0.2	0.4%
87.7%	51.7	51.8	0.1	0.2%
88.9%	51.4	51.5	0.1	0.2%
90.1%	51.4	51.4	0.0	0.0%
91.4%	51.4	51.1	-0.3	-0.6%
92.6%	51.2	51.0	-0.2	-0.3%
93.8%	50.9	51.0	0.1	0.1%
95.1%	50.8	51.0	0.2	0.4%
96.3%	50.8	50.8	0.0	0.0%
97.5%	50.6	50.7	0.1	0.2%
98.8%	50.4	50.6	0.1	0.3%
100.0%	50.4	50.6	0.1	0.3%

Table SQ15-1b

Clear Creek at Mouth, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.7	59.1	-1.6	-2.6%
1.2%	57.4	55.8	-1.5	-2.7%
2.5%	56.8	55.8	-1.0	-1.8%
3.7%	56.1	55.7	-0.4	-0.7%
4.9%	55.6	55.5	-0.2	-0.3%
6.2%	55.4	55.4	-0.1	-0.1%
7.4%	55.4	55.4	0.0	0.0%
8.6%	55.3	55.2	-0.1	-0.2%
9.9%	55.3	55.1	-0.1	-0.3%
11.1%	55.2	55.1	-0.1	-0.3%
12.3%	55.1	55.0	-0.1	-0.1%
13.6%	55.0	54.9	-0.1	-0.2%
14.8%	55.0	54.9	0.0	-0.1%
16.0%	54.9	54.9	-0.1	-0.1%
17.3%	54.9	54.6	-0.3	-0.5%
18.5%	54.9	54.6	-0.3	-0.5%
19.8%	54.8	54.6	-0.2	-0.4%
21.0%	54.6	54.5	-0.2	-0.3%
22.2%	54.5	54.4	-0.2	-0.3%
23.5%	54.5	54.3	-0.2	-0.3%
24.7%	54.3	54.3	0.0	0.1%
25.9%	54.2	54.3	0.0	0.0%
27.2%	54.2	54.2	-0.1	-0.1%
28.4%	54.2	54.1	-0.1	-0.3%
29.6%	54.2	54.1	-0.1	-0.2%
30.9%	54.1	54.0	-0.1	-0.2%
32.1%	54.0	53.9	-0.1	-0.2%
33.3%	54.0	53.9	-0.1	-0.2%
34.6%	53.7	53.8	0.1	0.2%
35.8%	53.7	53.8	0.1	0.2%
37.0%	53.6	53.7	0.1	0.2%
38.3%	53.5	53.7	0.2	0.4%
39.5%	53.5	53.6	0.1	0.2%
40.7%	53.5	53.6	0.1	0.2%
42.0%	53.3	53.6	0.3	0.5%
43.2%	53.2	53.5	0.3	0.5%
44.4%	53.2	53.5	0.3	0.5%
45.7%	53.1	53.4	0.3	0.6%
46.9%	53.1	53.3	0.3	0.5%
48.1%	53.0	53.2	0.2	0.4%
49.4%	53.0	53.2	0.2	0.4%
50.6%	53.0	53.1	0.1	0.3%
51.9%	52.9	53.1	0.2	0.4%
53.1%	52.9	53.0	0.1	0.2%
54.3%	52.9	53.0	0.1	0.2%
55.6%	52.9	53.0	0.2	0.3%
56.8%	52.8	53.0	0.2	0.3%
58.0%	52.8	53.0	0.2	0.4%
59.3%	52.8	53.0	0.2	0.4%
60.5%	52.7	53.0	0.3	0.5%
61.7%	52.6	52.9	0.3	0.6%
63.0%	52.6	52.9	0.3	0.6%
64.2%	52.6	52.9	0.3	0.6%
65.4%	52.5	52.9	0.4	0.7%
66.7%	52.5	52.8	0.4	0.7%
67.9%	52.4	52.8	0.4	0.7%
69.1%	52.4	52.7	0.3	0.6%
70.4%	52.4	52.7	0.3	0.5%
71.6%	52.4	52.7	0.3	0.6%
72.8%	52.4	52.6	0.3	0.5%
74.1%	52.3	52.6	0.3	0.5%
75.3%	52.3	52.6	0.3	0.5%
76.5%	52.3	52.5	0.2	0.3%
77.8%	52.3	52.4	0.1	0.2%
79.0%	52.3	52.4	0.1	0.2%
80.2%	52.2	52.4	0.2	0.4%
81.5%	52.1	52.3	0.1	0.2%
82.7%	52.1	52.2	0.1	0.2%
84.0%	51.9	52.2	0.3	0.6%
85.2%	51.9	52.2	0.2	0.5%
86.4%	51.8	52.1	0.3	0.6%
87.7%	51.8	52.1	0.3	0.6%
88.9%	51.8	52.0	0.1	0.3%
90.1%	51.8	51.9	0.1	0.2%
91.4%	51.6	51.9	0.2	0.5%
92.6%	51.6	51.8	0.2	0.5%
93.8%	51.5	51.7	0.2	0.4%
95.1%	51.4	51.6	0.2	0.4%
96.3%	51.4	51.5	0.1	0.2%
97.5%	51.3	51.4	0.1	0.2%
98.8%	51.3	51.3	0.0	0.0%
100.0%	51.3	51.1	-0.2	-0.4%

July to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	62.8	61.0	-1.9	-3.0%
1.2%	58.9	56.7	-2.2	-3.8%
2.5%	58.0	56.6	-1.4	-2.3%
3.7%	56.8	55.9	-0.9	-1.6%
4.9%	56.3	55.9	-0.5	-0.8%
6.2%	56.1	55.9	-0.3	-0.5%
7.4%	56.1	55.8	-0.2	-0.4%
8.6%	55.7	55.8	0.0	0.0%
9.9%	55.7	55.8	0.0	0.1%
11.1%	55.7	55.7	0.0	0.0%
12.3%	55.7	55.6	-0.1	-0.1%
13.6%	55.6	55.5	-0.1	-0.2%
14.8%	55.6	55.5	-0.1	-0.2%
16.0%	55.5	55.4	-0.2	-0.3%
17.3%	55.5	55.3	-0.2	-0.4%
18.5%	55.3	55.2	-0.2	-0.3%
19.8%	55.3	55.0	-0.3	-0.6%
21.0%	55.2	55.0	-0.2	-0.4%
22.2%	55.1	55.0	-0.2	-0.3%
23.5%	55.0	54.9	0.0	-0.1%
24.7%	54.9	54.9	0.0	-0.1%
25.9%	54.9	54.9	-0.1	-0.1%
27.2%	54.9	54.8	-0.1	-0.1%
28.4%	54.8	54.6	-0.2	-0.5%
29.6%	54.8	54.6	-0.2	-0.5%
30.9%	54.7	54.5	-0.2	-0.4%
32.1%	54.6	54.4	-0.1	-0.2%
33.3%	54.5	54.4	-0.1	-0.1%
34.6%	54.5	54.4	-0.1	-0.2%
35.8%	54.3	54.3	0.0	0.0%
37.0%	54.2	54.3	0.0	0.1%
38.3%	54.1	54.3	0.2	0.4%
39.5%	54.0	54.1	0.1	0.1%
40.7%	53.9	53.9	0.0	0.0%
42.0%	53.8	53.8	0.0	0.0%
43.2%	53.7	53.8	0.1	0.2%
44.4%	53.7	53.8	0.2	0.3%
45.7%	53.5	53.8	0.3	0.5%
46.9%	53.5	53.8	0.3	0.5%
48.1%	53.5	53.7	0.2	0.4%
49.4%	53.5	53.7	0.2	0.4%
50.6%	53.5	53.7	0.2	0.5%
51.9%	53.4	53.7	0.2	0.5%
53.1%	53.4	53.7	0.2	0.5%
54.3%	53.4	53.7	0.3	0.5%
55.6%	53.3	53.5	0.2	0.3%
56.8%	53.3	53.5	0.2	0.3%
58.0%	53.2	53.4	0.2	0.3%
59.3%	53.2	53.4	0.2	0.4%
60.5%	53.1	53.3	0.2	0.4%
61.7%	53.1	53.3	0.2	0.3%
63.0%	53.1	53.3	0.2	0.3%
64.2%	53.0	53.3	0.3	0.6%
65.4%	52.9	53.3	0.3	0.6%
66.7%	52.9	53.3	0.3	0.6%
67.9%	52.9	53.2	0.3	0.6%
69.1%	52.9	53.2	0.3	0.6%
70.4%	52.9	53.2	0.3	0.5%
71.6%	52.8	53.1	0.3	0.6%
72.8%	52.8	53.1	0.4	0.7%
74.1%	52.7	53.0	0.3	0.5%
75.3%	52.7	53.0	0.2	0.5%
76.5%	52.7	53.0	0.2	0.4%
77.8%	52.7	52.9	0.1	0.3%
79.0%	52.7	52.7	0.0	0.1%
80.2%	52.7	52.7	0.0	0.1%
81.5%	52.6	52.7	0.1	0.1%
82.7%	52.6	52.7	0.1	0.2%
84.0%	52.5	52.7	0.2	0.3%
85.2%	52.5	52.6	0.1	0.3%
86.4%	52.3	52.4	0.1	0.2%
87.7%	52.1	52.3	0.1	0.2%
88.9%	52.1	52.2	0.0	0.1%
90.1%	52.0	52.1	0.1	0.2%
91.4%	52.0	52.1	0.1	0.2%
92.6%	51.9	52.0	0.1	0.2%
93.8%	51.9	52.0	0.1	0.3%
95.1%	51.9	52.0	0.1	0.2%
96.3%	51.8	51.7	-0.1	-0.2%
97.5%	51.7	51.6	-0.1	-0.1%
98.8%	51.7	51.6	-0.1	-0.2%
100.0%	51.4	51.1	-0.3	-0.6%

August to September

Percent Exceedance Probability (%)	WSIP 2030 Without Project Monthly Temperature (DEGF)	WSIP 2030 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	65.5	63.3	-2.2	-3.3%
1.2%	60.9	57.5	-3.4	-5.5%
2.5%	59.2	57.1	-2.1	-3.5%
3.7%	57.6	56.4	-1.2	-2.1%
4.9%	57.0	56.3	-0.7	-1.2%
6.2%	56.8	56.3	-0.5	-0.9%
7.4%	56.6	56.2	-0.4	-0.8%
8.6%	56.2	55.8	-0.3	-0.6%
9.9%	55.9	55.7	-0.2	-0.3%
11.1%	55.9	55.7	-0.2	-0.4%
12.3%	55.9	55.6	-0.2	-0.4%
13.6%	55.7	55.6	-0.1	-0.2%
14.8%	55.6	55.4	-0.2	-0.4%
16.0%	55.6	55.4	-0.2	-0.4%
17.3%	55.6	55.3	-0.3	-0.5%
18.5%	55.5	55.2	-0.3	-0.6%
19.8%	55.5	55.1	-0.3	-0.6%
21.0%	55.4	55.1	-0.3	-0.6%
22.2%	55.4	55.1	-0.3	-0.5%
23.5%	55.4	55.1	-0.3	-0.5%
24.7%	55.4	55.1	-0.3	-0.5%
25.9%	55.3	55.1	-0.3	-0.5%
27.2%	55.3	55.0	-0.3	-0.5%
28.4%	55.2	55.0	-0.2	-0.4%
29.6%	55.2	55.0	-0.2	-0.3%
30.9%	55.1	55.0	-0.1	-0.2%
32.1%	55.0	55.0	0.0	0.0%
33.3%	55.0	54.8	-0.1	-0.3%
34.6%	54.8	54.8	0.0	0.0%
35.8%	54.6	54.8	0.2	0.3%
37.0%	54.5	54.5	0.0	0.0%
38.3%	54.4	54.5	0.1	0.2%
39.5%	54.4	54.5	0.1	0.3%
40.7%	54.3	54.4	0.1	0.3%
42.0%	54.3	54.2	0.0	-0.1%
43.2%	54.3	54.1	-0.1	-0.2%
44.4%	54.1	54.1	0.0	0.0%
45.7%	54.1	54.0	-0.1	-0.1%
46.9%	53.9	54.0	0.1	0.2%
48.1%	53.9	53.9	0.1	0.1%
49.4%	53.8	53.9	0.1	0.1%
50.6%	53.7	53.9	0.1	0.2%
51.9%	53.7	53.8	0.1	0.2%
53.1%	53.7	53.8	0.1	0.2%
54.3%	53.7	53.8	0.1	0.2%
55.6%	53.6	53.8	0.2	0.3%
56.8%	53.6	53.8	0.1	0.3%
58.0%	53.5	53.8	0.2	0.4%
59.3%	53.5	53.8	0.3	0.5%
60.5%	53.5	53.7	0.2	0.4%
61.7%	53.5	53.7	0.2	0.4%
63.0%	53.5	53.7	0.2	0.4%
64.2%	53.4	53.7	0.3	0.6%
65.4%	53.4	53.7	0.3	0.6%
66.7%	53.3	53.6	0.3	0.5%
67.9%	53.3	53.5	0.2	0.4%
69.1%	53.3	53.3	0.0	0.0%
70.4%	53.2	53.2	0.0	0.1%
71.6%	53.2	53.2	0.0	0.1%
72.8%	53.1	53.2	0.1	0.1%
74.1%	53.1	53.2	0.1	0.2%
75.3%	53.0	53.2	0.1	0.2%
76.5%	52.9	53.1	0.2	0.3%
77.8%	52.8	53.1	0.3	0.6%
79.0%	52.8	53.1	0.3	0.6%
80.2%	52.7	53.1	0.3	0.6%
81.5%	52.7	53.0	0.4	0.7%
82.7%	52.7	53.0	0.3	0.6%
84.0%	52.6	52.8	0.2	0.4%
85.2%	52.5	52.7	0.2	0.4%
86.4%	52.5	52.4	-0.1	-0.1%
87.7%	52.4	52.3	-0.1	-0.1%
88.9%	52.4	52.3	-0.1	-0.1%
90.1%	52.3	52.2	0.0	-0.1%
91.4%	52.2	52.2	0.0	0.1%
92.6%	52.1	52.0	-0.1	-0.2%
93.8%	52.1	52.0	-0.1	-0.2%
95.1%	51.9	51.9	0.0	0.0%
96.3%	51.9	51.7	-0.2	-0.3%
97.5%	51.8	51.6	-0.2	-0.4%
98.8%	51.5	51.5	0.0	0.0%
100.0%	51.2	50.7	-0.5	-0.9%

River Temperature Modeling

Summary Tables and Bar Charts

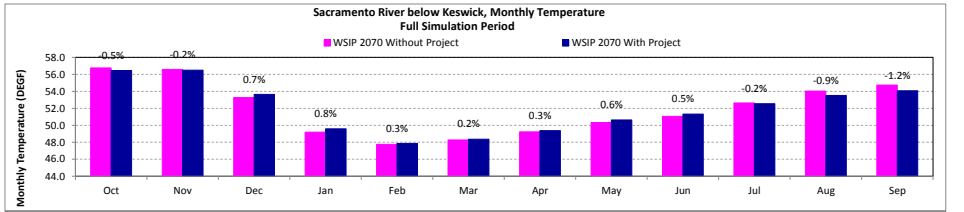
Table SQ2-1a
Sacramento River below Keswick, Monthly Temperature
Long-term Average and Average by Water Year Type

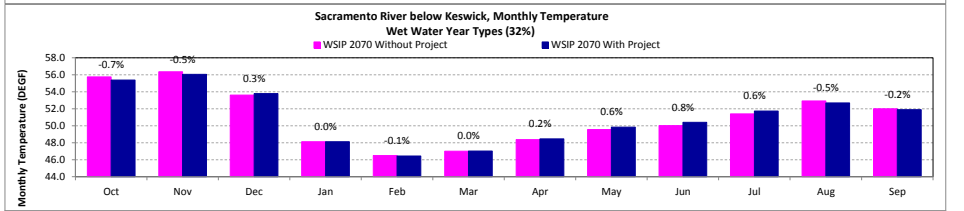
Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	56.8	56.6	53.3	49.2	47.8	48.3	49.2	50.3	51.1	52.6	54.0	54.7
WSIP 2070 With Project	56.5	56.5	53.6	49.6	47.9	48.4	49.4	50.6	51.3	52.5	53.5	54.1
Difference	-0.3	-0.1	0.4	0.4	0.1	0.1	0.1	0.3	0.3	-0.1	-0.5	-0.7
Percent Difference[3]	-0.5%	-0.2%	0.7%	0.8%	0.3%	0.2%	0.3%	0.6%	0.5%	-0.2%	-0.9%	-1.2%
Water Year Types[2]												
Wet (32%)												
WSIP 2070 Without Project	55.7	56.4	53.6	48.1	46.5	47.0	48.4	49.6	50.0	51.4	52.9	52.0
WSIP 2070 With Project	55.4	56.1	53.8	48.1	46.4	47.0	48.5	49.8	50.4	51.7	52.7	51.9
Difference	-0.4	-0.3	0.2	0.0	0.0	0.0	0.1	0.3	0.4	0.3	-0.2	-0.1
Percent Difference	-0.7%	-0.5%	0.3%	0.0%	-0.1%	0.0%	0.2%	0.6%	0.8%	0.6%	-0.5%	-0.2%
Above Normal (13%)												
WSIP 2070 Without Project	55.0	55.9	53.8	49.5	47.7	48.0	49.2	50.1	50.4	51.4	52.5	52.3
WSIP 2070 With Project	54.8	55.8	54.0	49.6	47.7	47.9	49.2	50.3	50.6	51.4	52.3	52.8
Difference	-0.2	-0.1	0.2	0.1	0.0	0.0	0.0	0.2	0.2	0.0	-0.2	0.4
Percent Difference	-0.4%	-0.1%	0.4%	0.2%	0.0%	-0.1%	0.1%	0.3%	0.3%	0.0%	-0.4%	0.8%
Below Normal (16%)												
WSIP 2070 Without Project	55.3	55.8	52.8	49.6	47.8	48.6	49.5	50.0	50.5	52.0	53.4	53.9
WSIP 2070 With Project	55.3	56.0	53.3	50.1	47.8	48.6	49.4	50.4	51.1	52.3	52.9	53.1
Difference	0.0	0.2	0.5	0.5	0.1	0.0	-0.1	0.4	0.5	0.3	-0.5	-0.8
Percent Difference	0.0%	0.4%	1.0%	0.9%	0.1%	0.1%	-0.2%	0.8%	1.0%	0.5%	-1.0%	-1.4%
Dry (24%)												
WSIP 2070 Without Project	56.4	56.9	53.3	49.7	48.7	49.0	49.6	50.5	51.4	53.3	53.8	54.8
WSIP 2070 With Project	56.2	56.6	53.6	50.4	48.9	49.3	49.9	51.0	51.9	53.1	53.4	54.1
Difference	-0.1	-0.3	0.3	0.7	0.2	0.3	0.3	0.5	0.5	-0.2	-0.4	-0.7
Percent Difference	-0.2%	-0.5%	0.6%	1.3%	0.4%	0.6%	0.6%	0.9%	0.9%	-0.4%	-0.7%	-1.2%
Critical (15%)												
WSIP 2070 Without Project	62.7	58.1	52.6	49.9	48.9	49.8	50.3	52.2	53.9	55.9	58.9	63.7
WSIP 2070 With Project	61.7	58.3	53.4	50.8	49.5	49.9	50.6	52.3	53.3	54.7	57.3	60.9
Difference	-1.0	0.2	0.8	0.9	0.6	0.2	0.3	0.1	-0.6	-1.2	-1.6	-2.8
Percent Difference	-1.5%	0.3%	1.5%	1.8%	1.2%	0.3%	0.6%	0.3%	-1.1%	-2.2%	-2.7%	-4.4%

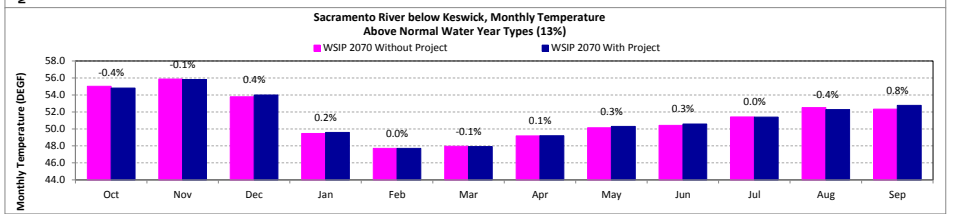
1 Based on the 82-year simulation period

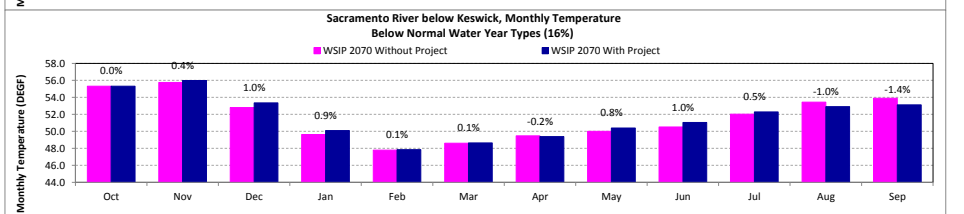
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

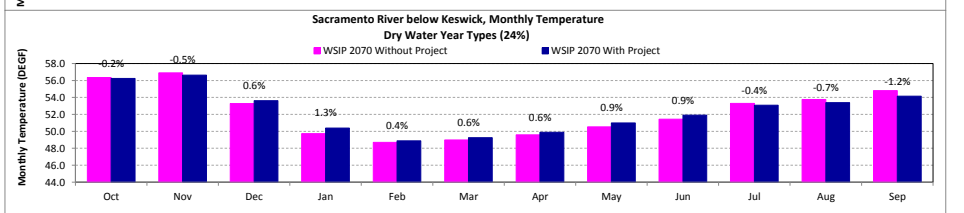
3 Relative difference of the monthly average











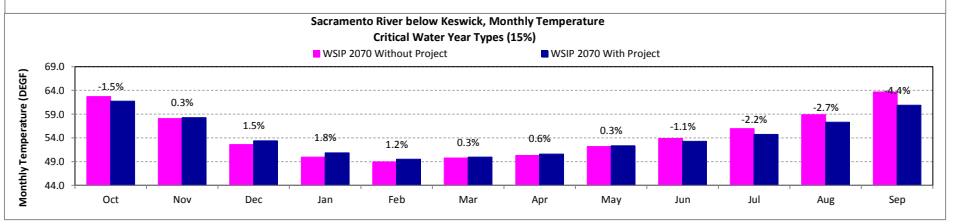


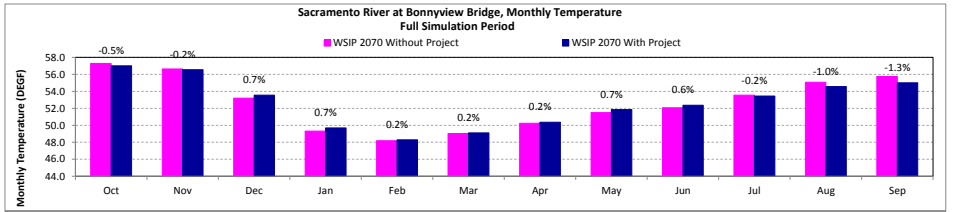
Table SQ3-1a
Sacramento River at Bonnyview Bridge, Monthly Temperature
Long-term Average and Average by Water Year Type

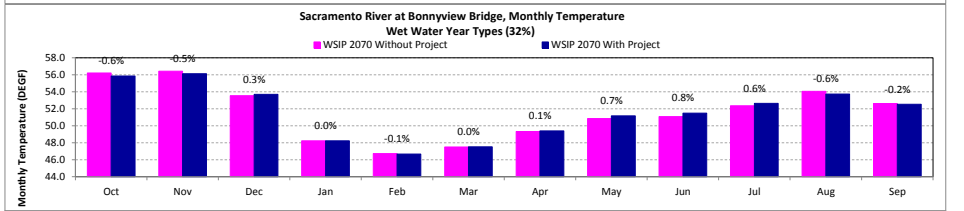
Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	57.3	56.6	53.2	49.3	48.2	49.0	50.2	51.5	52.1	53.6	55.1	55.7
WSIP 2070 With Project	57.0	56.5	53.6	49.7	48.3	49.1	50.4	51.9	52.4	53.4	54.6	55.0
Difference	-0.3	-0.1	0.4	0.4	0.1	0.1	0.1	0.4	0.3	-0.1	-0.5	-0.7
Percent Difference[3]	-0.5%	-0.2%	0.7%	0.7%	0.2%	0.2%	0.2%	0.7%	0.6%	-0.2%	-1.0%	-1.3%
Water Year Types[2]												
Wet (32%)												
WSIP 2070 Without Project	56.2	56.4	53.5	48.2	46.7	47.5	49.3	50.8	51.1	52.3	54.0	52.6
WSIP 2070 With Project	55.9	56.1	53.7	48.2	46.7	47.5	49.4	51.2	51.5	52.6	53.7	52.5
Difference	-0.4	-0.3	0.2	0.0	0.0	0.0	0.1	0.3	0.4	0.3	-0.3	-0.1
Percent Difference	-0.6%	-0.5%	0.3%	0.0%	-0.1%	0.0%	0.1%	0.7%	0.8%	0.6%	-0.6%	-0.2%
Above Normal (13%)												
WSIP 2070 Without Project	55.6	55.9	53.7	49.6	48.0	48.5	50.2	51.3	51.5	52.3	53.6	53.1
WSIP 2070 With Project	55.4	55.8	53.9	49.7	48.0	48.5	50.3	51.5	51.7	52.2	53.3	53.7
Difference	-0.2	-0.1	0.2	0.1	0.0	0.0	0.0	0.2	0.2	-0.1	-0.3	0.6
Percent Difference	-0.3%	-0.1%	0.4%	0.2%	0.0%	-0.1%	0.1%	0.4%	0.5%	-0.1%	-0.5%	1.1%
Below Normal (16%)												
WSIP 2070 Without Project	56.0	55.8	52.8	49.8	48.3	49.6	50.6	51.2	51.5	52.9	54.5	55.3
WSIP 2070 With Project	56.0	56.0	53.3	50.2	48.3	49.6	50.4	51.6	52.1	53.1	53.9	54.3
Difference	0.0	0.2	0.5	0.4	0.0	0.0	-0.2	0.4	0.5	0.2	-0.6	-1.0
Percent Difference	0.0%	0.4%	1.0%	0.9%	0.1%	0.1%	-0.4%	0.9%	1.1%	0.5%	-1.0%	-1.9%
Dry (24%)												
WSIP 2070 Without Project	56.9	56.9	53.2	49.9	49.3	49.9	50.6	51.6	52.4	54.2	54.8	56.2
WSIP 2070 With Project	56.9	56.7	53.5	50.5	49.4	50.1	50.9	52.1	52.9	54.0	54.4	55.3
Difference	0.0	-0.2	0.3	0.6	0.2	0.2	0.3	0.5	0.5	-0.2	-0.3	-0.9
Percent Difference	-0.1%	-0.4%	0.6%	1.3%	0.3%	0.5%	0.5%	1.0%	1.0%	-0.4%	-0.6%	-1.6%
Critical (15%)												
WSIP 2070 Without Project	63.1	58.1	52.6	50.1	49.6	50.8	51.2	53.3	54.8	57.0	59.8	64.6
WSIP 2070 With Project	62.2	58.3	53.3	50.9	50.1	50.9	51.6	53.5	54.3	55.8	58.3	61.8
Difference	-0.9	0.2	0.7	0.8	0.5	0.1	0.4	0.2	-0.5	-1.2	-1.5	-2.8
Percent Difference	-1.4%	0.3%	1.4%	1.7%	1.0%	0.3%	0.7%	0.5%	-1.0%	-2.1%	-2.5%	-4.3%

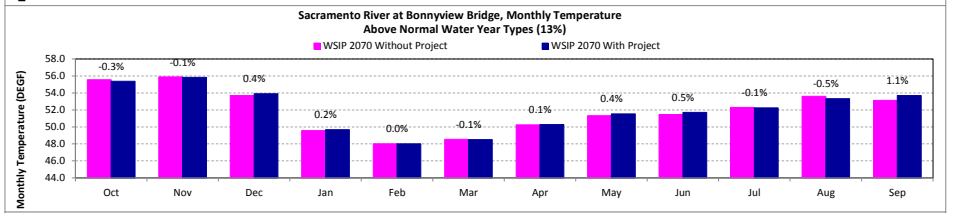
1 Based on the 82-year simulation period

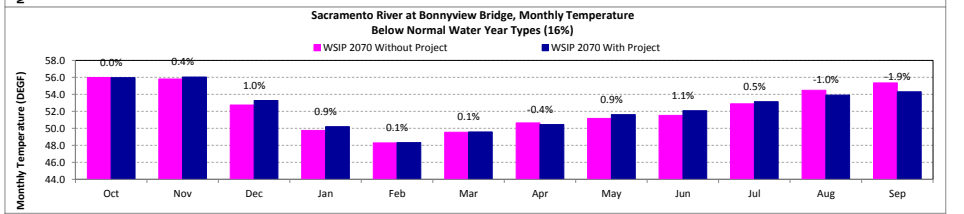
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

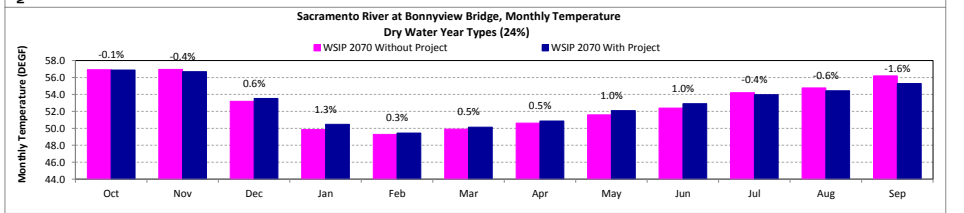
3 Relative difference of the monthly average











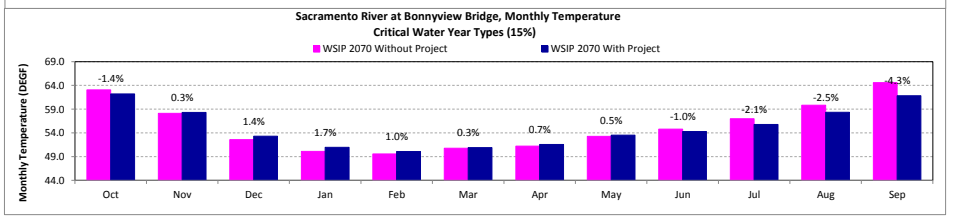


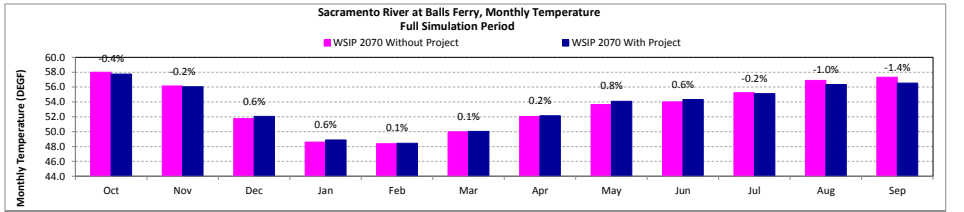
Table SQ4-1a
Sacramento River at Balls Ferry, Monthly Temperature
Long-term Average and Average by Water Year Type

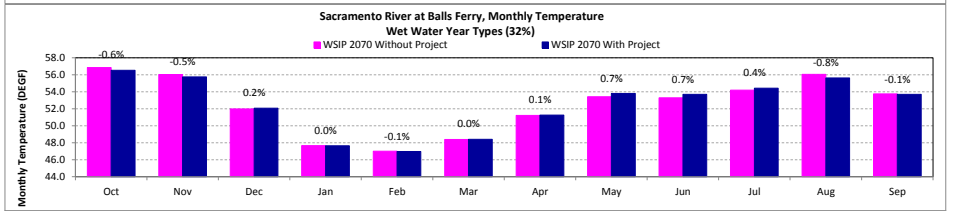
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Temperature (DEGF)											
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	58.0	56.1	51.8	48.6	48.4	50.0	52.0	53.7	54.0	55.2	56.9	57.3
WSIP 2070 With Project	57.8	56.1	52.1	48.9	48.4	50.0	52.1	54.1	54.3	55.1	56.4	56.5
Difference	-0.2	-0.1	0.3	0.3	0.1	0.1	0.1	0.4	0.3	-0.1	-0.5	-0.8
Percent Difference[3]	-0.4%	-0.2%	0.6%	0.6%	0.1%	0.1%	0.2%	0.8%	0.6%	-0.2%	-1.0%	-1.4%
Water Year Types[2]												
Wet (32%)												
WSIP 2070 Without Project	56.9	56.0	52.0	47.7	47.0	48.4	51.2	53.4	53.3	54.2	56.1	53.7
WSIP 2070 With Project	56.5	55.7	52.1	47.6	47.0	48.4	51.2	53.8	53.7	54.4	55.6	53.7
Difference	-0.3	-0.3	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.2	-0.4	0.0
Percent Difference	-0.6%	-0.5%	0.2%	0.0%	-0.1%	0.0%	0.1%	0.7%	0.7%	0.4%	-0.8%	-0.1%
Above Normal (13%)												
WSIP 2070 Without Project	56.3	55.5	52.3	48.5	48.0	49.4	52.2	53.6	53.5	53.9	55.5	54.5
WSIP 2070 With Project	56.2	55.5	52.7	48.7	48.0	49.4	52.2	53.8	53.9	53.8	55.2	55.3
Difference	-0.1	0.0	0.4	0.1	0.0	0.0	0.0	0.3	0.4	-0.1	-0.4	0.7
Percent Difference	-0.2%	-0.1%	0.7%	0.2%	0.0%	0.0%	0.1%	0.5%	0.7%	-0.2%	-0.7%	1.3%
Below Normal (16%)												
WSIP 2070 Without Project	56.9	55.3	51.3	48.9	48.4	50.5	52.6	53.4	53.4	54.4	56.3	57.6
WSIP 2070 With Project	56.9	55.5	51.8	49.1	48.4	50.5	52.3	53.9	54.0	54.7	55.7	56.2
Difference	0.0	0.2	0.5	0.3	0.0	0.0	-0.3	0.5	0.6	0.2	-0.6	-1.3
Percent Difference	-0.1%	0.4%	0.9%	0.6%	0.0%	0.0%	-0.5%	1.0%	1.1%	0.4%	-1.1%	-2.3%
Dry (24%)												
WSIP 2070 Without Project	57.7	56.3	51.9	49.1	49.3	50.8	52.3	53.4	54.1	55.8	56.5	58.3
WSIP 2070 With Project	57.8	56.1	52.2	49.6	49.5	51.0	52.5	53.9	54.6	55.6	56.2	57.1
Difference	0.1	-0.2	0.3	0.5	0.1	0.2	0.2	0.5	0.5	-0.2	-0.3	-1.2
Percent Difference	0.1%	-0.4%	0.5%	1.0%	0.2%	0.3%	0.4%	1.0%	1.0%	-0.4%	-0.6%	-2.0%
Critical (15%)												
WSIP 2070 Without Project	63.4	57.6	51.1	49.6	50.0	52.0	52.7	55.1	56.4	58.7	61.3	65.7
WSIP 2070 With Project	62.7	57.8	51.6	50.3	50.4	52.0	53.1	55.5	56.0	57.5	60.0	63.1
Difference	-0.8	0.2	0.5	0.7	0.4	0.1	0.4	0.4	-0.4	-1.2	-1.3	-2.6
Percent Difference	-1.2%	0.3%	1.1%	1.4%	0.7%	0.1%	0.9%	0.7%	-0.8%	-2.0%	-2.1%	-3.9%

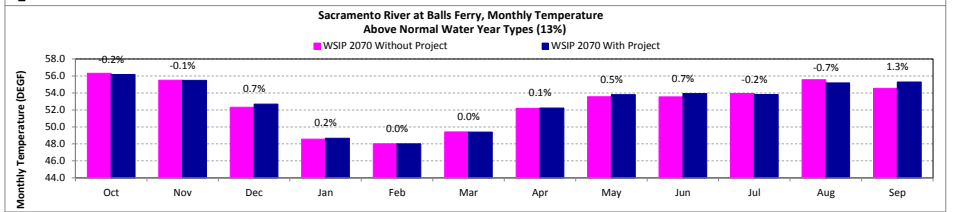
1 Based on the 82-year simulation period

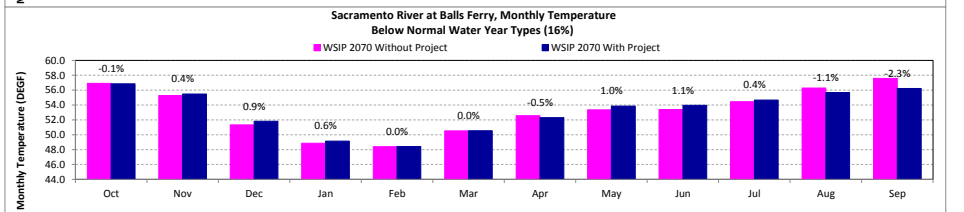
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

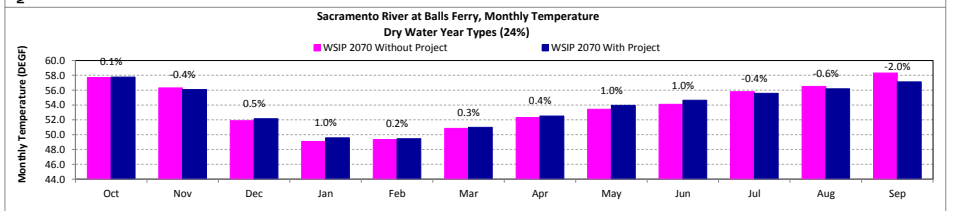
3 Relative difference of the monthly average











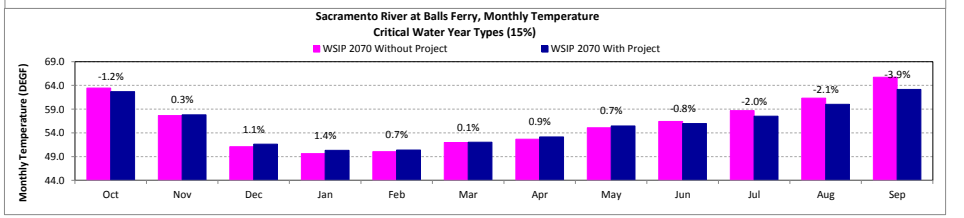


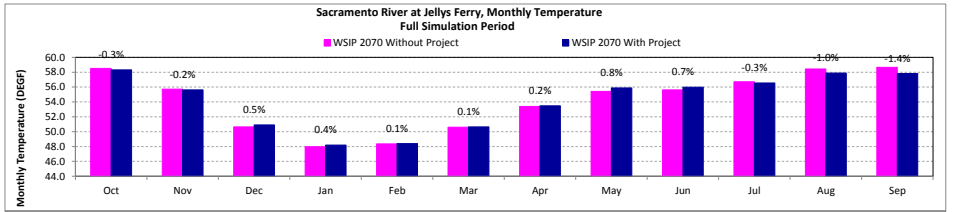
Table SQ5-1a
Sacramento River at Jellys Ferry, Monthly Temperature
Long-term Average and Average by Water Year Type

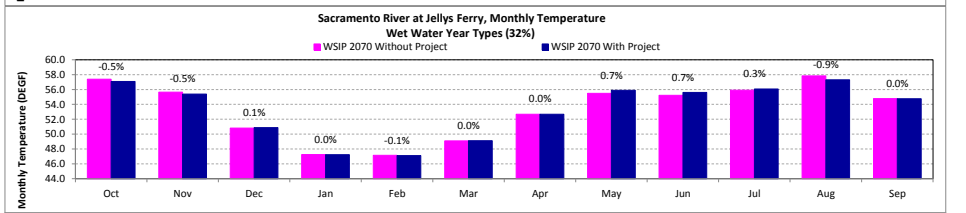
Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	58.5	55.7	50.7	48.0	48.3	50.6	53.4	55.4	55.6	56.7	58.4	58.7
WSIP 2070 With Project	58.3	55.6	50.9	48.2	48.4	50.6	53.5	55.9	56.0	56.6	57.9	57.8
Difference	-0.2	-0.1	0.3	0.2	0.1	0.0	0.1	0.5	0.4	-0.2	-0.6	-0.8
Percent Difference[3]	-0.3%	-0.2%	0.5%	0.4%	0.1%	0.1%	0.2%	0.8%	0.7%	-0.3%	-1.0%	-1.4%
Water Year Types[2]												
Wet (32%)												
WSIP 2070 Without Project	57.4	55.7	50.8	47.2	47.1	49.1	52.7	55.5	55.2	55.9	57.8	54.8
WSIP 2070 With Project	57.1	55.4	50.9	47.2	47.1	49.1	52.7	55.9	55.6	56.1	57.3	54.8
Difference	-0.3	-0.3	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.2	-0.5	0.0
Percent Difference	-0.5%	-0.5%	0.1%	0.0%	-0.1%	0.0%	0.0%	0.7%	0.7%	0.3%	-0.9%	0.0%
Above Normal (13%)												
WSIP 2070 Without Project	56.9	55.2	51.2	47.7	47.9	50.0	53.6	55.4	55.3	55.4	57.2	55.8
WSIP 2070 With Project	56.8	55.2	51.6	47.8	47.9	50.0	53.7	55.7	55.8	55.2	56.8	56.7
Difference	-0.1	0.0	0.4	0.1	0.0	0.0	0.1	0.3	0.5	-0.2	-0.4	0.9
Percent Difference	-0.2%	0.0%	0.8%	0.2%	0.0%	0.0%	0.1%	0.5%	0.9%	-0.4%	-0.8%	1.6%
Below Normal (16%)												
WSIP 2070 Without Project	57.6	54.8	50.2	48.1	48.4	51.2	53.9	55.1	55.0	55.8	57.8	59.4
WSIP 2070 With Project	57.6	55.0	50.7	48.3	48.4	51.2	53.7	55.6	55.6	55.9	57.2	57.9
Difference	-0.1	0.2	0.4	0.2	0.0	0.0	-0.2	0.5	0.6	0.2	-0.6	-1.6
Percent Difference	-0.1%	0.3%	0.9%	0.4%	0.0%	0.0%	-0.5%	1.0%	1.1%	0.3%	-1.1%	-2.6%
Dry (24%)												
WSIP 2070 Without Project	58.3	55.8	50.8	48.4	49.1	51.4	53.6	54.9	55.5	57.1	57.9	60.0
WSIP 2070 With Project	58.4	55.6	51.0	48.7	49.2	51.5	53.8	55.5	56.1	56.9	57.6	58.6
Difference	0.1	-0.2	0.2	0.4	0.1	0.1	0.2	0.5	0.6	-0.2	-0.3	-1.4
Percent Difference	0.2%	-0.4%	0.4%	0.8%	0.2%	0.2%	0.3%	1.0%	1.0%	-0.4%	-0.5%	-2.3%
Critical (15%)												
WSIP 2070 Without Project	63.6	57.1	50.1	49.0	50.1	52.6	53.8	56.5	57.7	60.0	62.5	66.6
WSIP 2070 With Project	62.9	57.2	50.5	49.5	50.4	52.6	54.3	57.0	57.3	58.9	61.3	64.2
Difference	-0.7	0.1	0.4	0.5	0.3	0.0	0.5	0.5	-0.3	-1.1	-1.1	-2.4
Percent Difference	-1.1%	0.2%	0.8%	1.1%	0.5%	0.1%	0.9%	0.9%	-0.6%	-1.9%	-1.8%	-3.6%

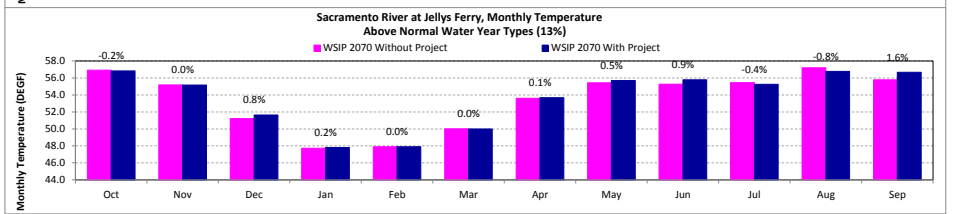
1 Based on the 82-year simulation period

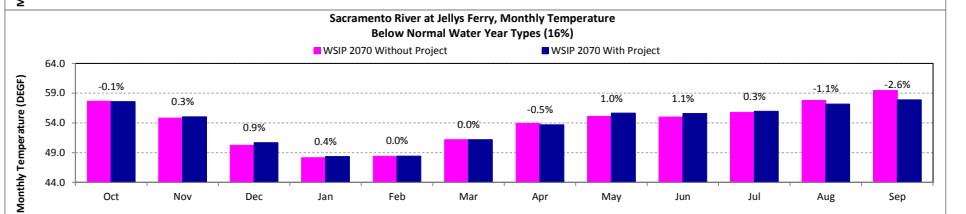
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

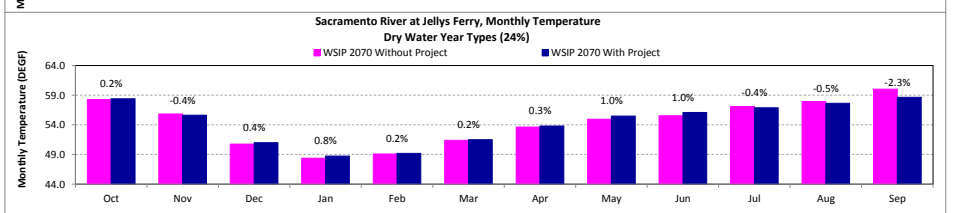
3 Relative difference of the monthly average











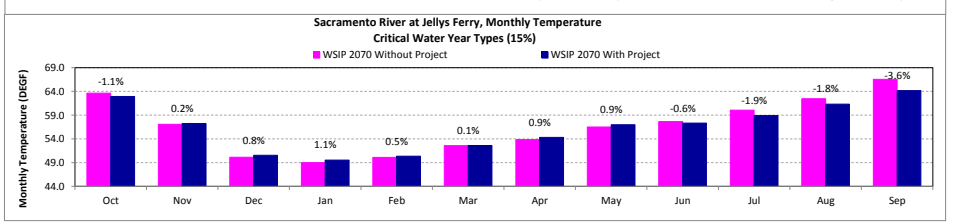


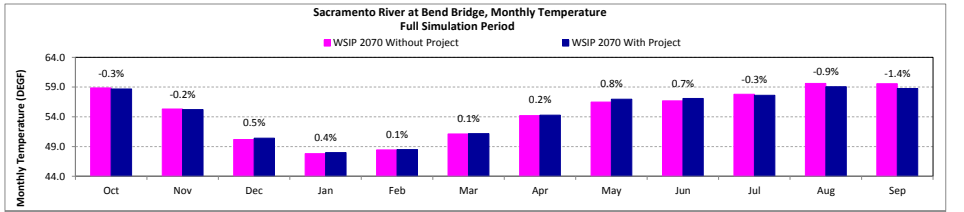
Table SQ6-1a
Sacramento River at Bend Bridge, Monthly Temperature
Long-term Average and Average by Water Year Type

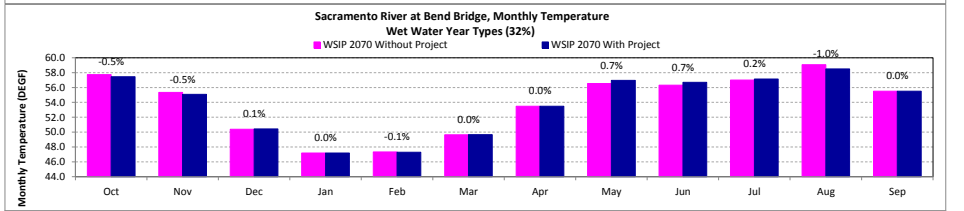
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Temperature (DEGF)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	58.8	55.3	50.2	47.8	48.4	51.1	54.2	56.5	56.7	57.8	59.6	59.6
WSIP 2070 With Project	58.7	55.2	50.4	48.0	48.5	51.2	54.3	57.0	57.1	57.6	59.1	58.8
Difference	-0.2	-0.1	0.2	0.2	0.0	0.0	0.1	0.5	0.4	-0.2	-0.6	-0.8
Percent Difference[3]	-0.3%	-0.2%	0.5%	0.4%	0.1%	0.1%	0.2%	0.8%	0.7%	-0.3%	-0.9%	-1.4%
	Water Year Types[2]											
Wet (32%)												
WSIP 2070 Without Project	57.7	55.3	50.4	47.2	47.3	49.6	53.5	56.5	56.3	57.0	59.1	55.5
WSIP 2070 With Project	57.4	55.1	50.4	47.2	47.3	49.7	53.5	57.0	56.7	57.1	58.5	55.5
Difference	-0.3	-0.3	0.1	0.0	0.0	0.0	0.0	0.4	0.4	0.1	-0.6	0.0
Percent Difference	-0.5%	-0.5%	0.1%	0.0%	-0.1%	0.0%	0.0%	0.7%	0.7%	0.2%	-1.0%	0.0%
Above Normal (13%)												
WSIP 2070 Without Project	57.3	54.9	50.6	47.6	48.0	50.6	54.5	56.6	56.4	56.5	58.5	56.7
WSIP 2070 With Project	57.3	54.9	51.1	47.7	48.0	50.5	54.5	56.8	57.0	56.3	58.0	57.7
Difference	-0.1	0.0	0.4	0.1	0.0	0.0	0.1	0.3	0.6	-0.2	-0.5	1.0
Percent Difference	-0.1%	0.0%	0.8%	0.2%	0.0%	0.0%	0.1%	0.5%	1.0%	-0.4%	-0.8%	1.7%
Below Normal (16%)												
WSIP 2070 Without Project	58.1	54.3	49.7	47.9	48.5	51.7	54.7	56.2	56.1	56.8	59.0	60.7
WSIP 2070 With Project	58.0	54.5	50.1	48.0	48.5	51.7	54.5	56.7	56.7	57.0	58.4	59.1
Difference	-0.1	0.2	0.4	0.2	0.0	0.0	-0.2	0.5	0.6	0.2	-0.6	-1.6
Percent Difference	-0.1%	0.3%	0.8%	0.3%	0.0%	0.0%	-0.4%	0.9%	1.1%	0.3%	-1.1%	-2.7%
Dry (24%)												
WSIP 2070 Without Project	58.6	55.4	50.2	48.1	49.2	51.9	54.4	56.0	56.6	58.2	59.1	61.2
WSIP 2070 With Project	58.8	55.2	50.4	48.5	49.2	52.0	54.5	56.5	57.1	58.0	58.9	59.7
Difference	0.1	-0.2	0.2	0.3	0.1	0.1	0.2	0.5	0.6	-0.2	-0.3	-1.5
Percent Difference	0.2%	-0.4%	0.4%	0.7%	0.2%	0.2%	0.3%	0.9%	1.0%	-0.4%	-0.5%	-2.4%
Critical (15%)												
WSIP 2070 Without Project	63.8	56.4	49.8	48.7	50.1	53.0	54.6	57.4	58.6	61.1	63.3	67.1
WSIP 2070 With Project	63.1	56.6	50.1	49.2	50.3	53.0	55.1	58.0	58.3	60.0	62.3	64.9
Difference	-0.7	0.1	0.4	0.5	0.2	0.0	0.5	0.5	-0.3	-1.1	-1.0	-2.2
Percent Difference	-1.0%	0.2%	0.7%	1.0%	0.4%	0.0%	0.9%	0.9%	-0.5%	-1.8%	-1.6%	-3.3%

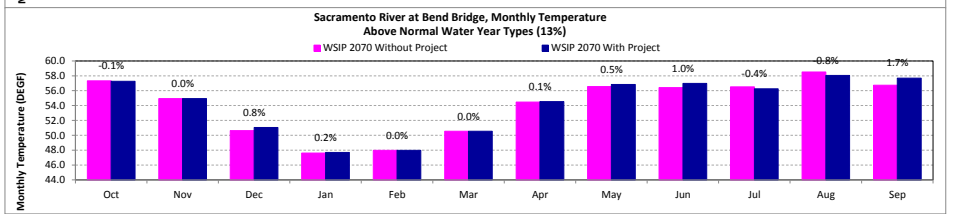
1 Based on the 82-year simulation period

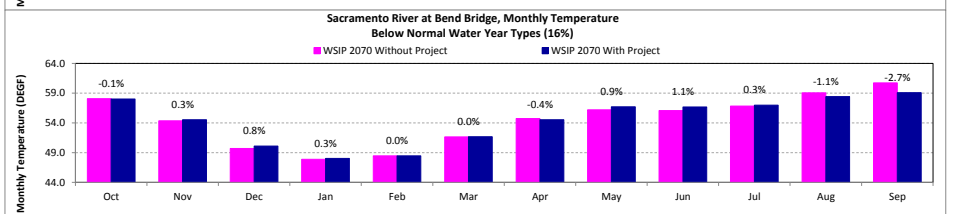
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

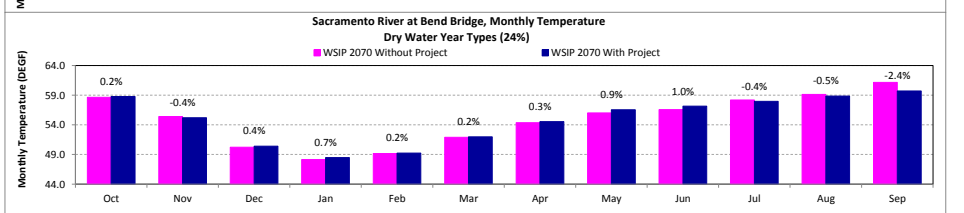
3 Relative difference of the monthly average











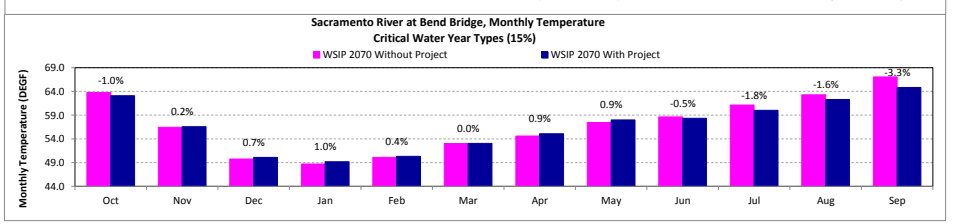


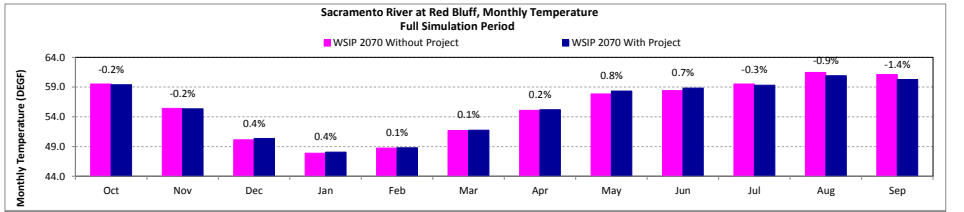
Table SQ7-1a
Sacramento River at Red Bluff, Monthly Temperature
Long-term Average and Average by Water Year Type

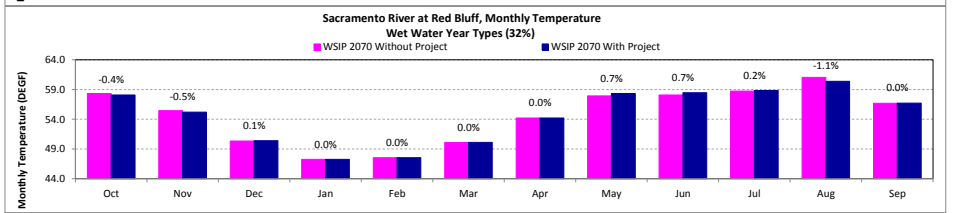
Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	59.5	55.4	50.1	47.9	48.7	51.7	55.1	57.8	58.4	59.5	61.5	61.1
WSIP 2070 With Project	59.4	55.3	50.4	48.1	48.8	51.7	55.2	58.3	58.8	59.3	60.9	60.3
Difference	-0.1	-0.1	0.2	0.2	0.1	0.0	0.1	0.5	0.4	-0.2	-0.6	-0.8
Percent Difference[3]	-0.2%	-0.2%	0.4%	0.4%	0.1%	0.1%	0.2%	0.8%	0.7%	-0.3%	-0.9%	-1.4%
Water Year Types[2]												
Wet (32%)												
WSIP 2070 Without Project	58.3	55.4	50.3	47.3	47.5	50.1	54.2	57.9	58.1	58.7	61.0	56.7
WSIP 2070 With Project	58.1	55.2	50.4	47.2	47.5	50.1	54.2	58.3	58.5	58.8	60.4	56.7
Difference	-0.3	-0.3	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.1	-0.7	0.0
Percent Difference	-0.4%	-0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.7%	0.7%	0.2%	-1.1%	0.0%
Above Normal (13%)												
WSIP 2070 Without Project	58.0	55.0	50.6	47.7	48.2	51.0	55.3	57.9	58.1	58.2	60.4	58.2
WSIP 2070 With Project	58.0	55.0	51.0	47.7	48.2	51.1	55.4	58.2	58.8	57.9	59.9	59.2
Difference	0.0	0.0	0.4	0.1	0.0	0.0	0.1	0.3	0.7	-0.3	-0.5	1.1
Percent Difference	0.0%	0.0%	0.8%	0.2%	0.0%	0.1%	0.1%	0.5%	1.2%	-0.6%	-0.9%	1.8%
Below Normal (16%)												
WSIP 2070 Without Project	58.9	54.5	49.7	48.0	48.8	52.3	55.7	57.6	57.8	58.5	60.9	62.7
WSIP 2070 With Project	58.8	54.6	50.1	48.1	48.8	52.3	55.5	58.1	58.4	58.6	60.3	60.9
Difference	-0.1	0.2	0.4	0.1	0.0	0.0	-0.2	0.5	0.6	0.1	-0.6	-1.8
Percent Difference	-0.2%	0.3%	0.8%	0.3%	0.0%	0.1%	-0.4%	0.9%	1.1%	0.2%	-1.0%	-2.9%
Dry (24%)												
WSIP 2070 Without Project	59.4	55.5	50.2	48.2	49.5	52.6	55.4	57.3	58.2	59.9	60.9	63.1
WSIP 2070 With Project	59.5	55.3	50.3	48.5	49.6	52.7	55.5	57.9	58.8	59.7	60.7	61.5
Difference	0.2	-0.2	0.2	0.3	0.1	0.1	0.2	0.5	0.6	-0.2	-0.2	-1.6
Percent Difference	0.3%	-0.3%	0.3%	0.6%	0.2%	0.2%	0.3%	0.9%	1.0%	-0.3%	-0.4%	-2.5%
Critical (15%)												
WSIP 2070 Without Project	64.3	56.6	49.8	48.8	50.6	53.8	55.6	58.8	60.2	62.9	64.9	68.4
WSIP 2070 With Project	63.7	56.7	50.1	49.3	50.8	53.8	56.2	59.4	60.1	61.9	64.1	66.3
Difference	-0.6	0.1	0.3	0.4	0.2	0.0	0.5	0.6	-0.2	-1.0	-0.8	-2.1
Percent Difference	-0.9%	0.2%	0.6%	0.9%	0.4%	0.0%	0.9%	1.1%	-0.3%	-1.6%	-1.3%	-3.1%

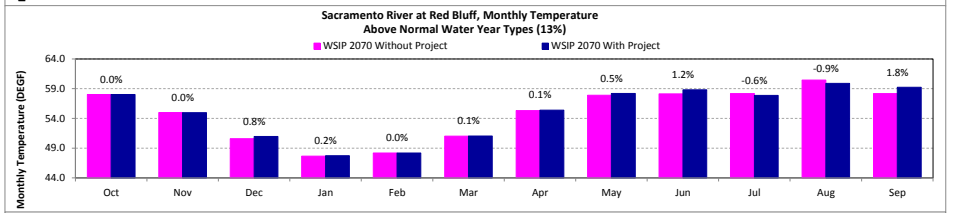
1 Based on the 82-year simulation period

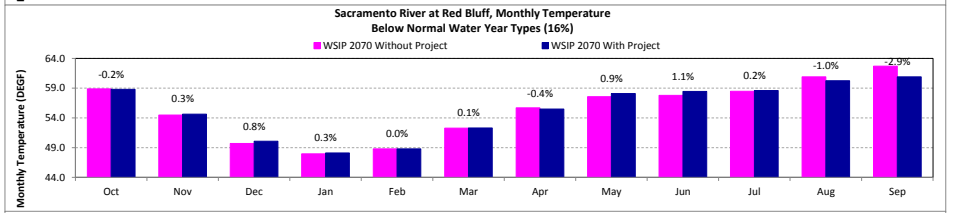
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

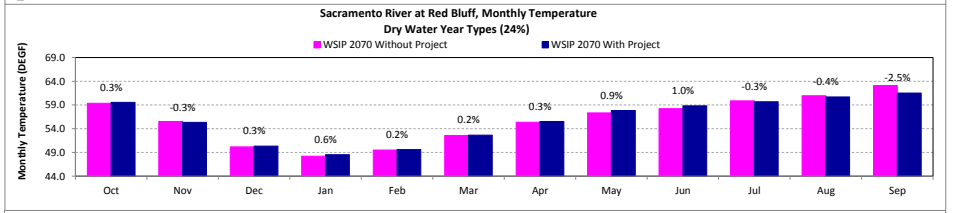
3 Relative difference of the monthly average











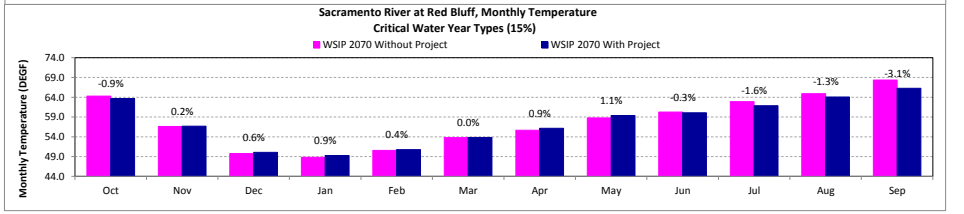


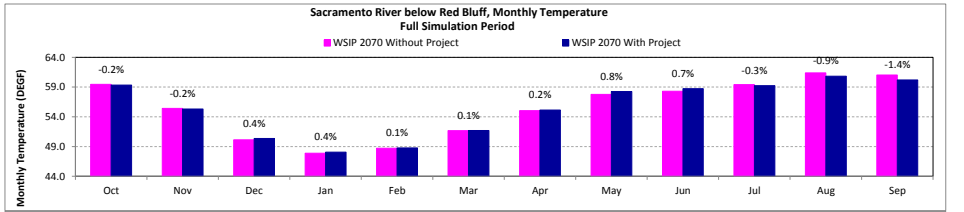
Table SQ8-1a
Sacramento River below Red Bluff, Monthly Temperature
Long-term Average and Average by Water Year Type

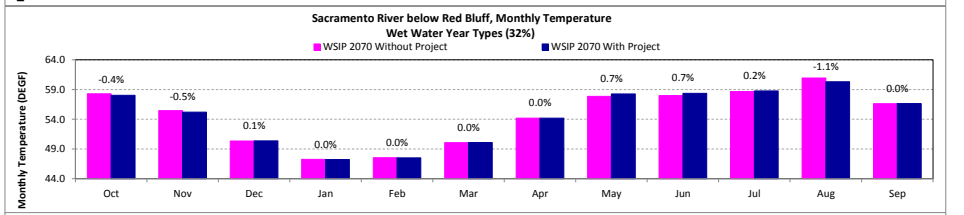
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Temperature (DEGF)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	59.5	55.4	50.1	47.9	48.7	51.7	55.0	57.8	58.3	59.4	61.4	61.0
WSIP 2070 With Project	59.3	55.3	50.3	48.0	48.8	51.7	55.1	58.2	58.7	59.2	60.8	60.2
Difference	-0.1	-0.1	0.2	0.2	0.0	0.0	0.1	0.5	0.4	-0.2	-0.6	-0.8
Percent Difference[3]	-0.2%	-0.2%	0.4%	0.4%	0.1%	0.1%	0.2%	0.8%	0.7%	-0.3%	-0.9%	-1.4%
	Water Year Types[2]											
Wet (32%)												
WSIP 2070 Without Project	58.3	55.4	50.3	47.2	47.5	50.1	54.2	57.8	58.0	58.7	60.9	56.6
WSIP 2070 With Project	58.0	55.2	50.4	47.2	47.5	50.1	54.2	58.3	58.4	58.8	60.3	56.6
Difference	-0.3	-0.3	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.1	-0.6	0.0
Percent Difference	-0.4%	-0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.7%	0.7%	0.2%	-1.1%	0.0%
Above Normal (13%)												
WSIP 2070 Without Project	58.0	55.0	50.6	47.6	48.2	51.0	55.3	57.8	58.0	58.1	60.3	58.1
WSIP 2070 With Project	58.0	55.0	51.0	47.7	48.2	51.0	55.3	58.1	58.7	57.8	59.8	59.2
Difference	0.0	0.0	0.4	0.1	0.0	0.0	0.1	0.3	0.7	-0.3	-0.5	1.1
Percent Difference	0.0%	0.0%	0.8%	0.2%	0.0%	0.0%	0.1%	0.5%	1.2%	-0.5%	-0.9%	1.8%
Below Normal (16%)												
WSIP 2070 Without Project	58.8	54.5	49.7	47.9	48.8	52.2	55.6	57.5	57.7	58.4	60.8	62.6
WSIP 2070 With Project	58.8	54.6	50.1	48.1	48.8	52.3	55.4	58.0	58.4	58.5	60.2	60.8
Difference	-0.1	0.2	0.4	0.1	0.0	0.0	-0.2	0.5	0.6	0.1	-0.6	-1.8
Percent Difference	-0.1%	0.3%	0.8%	0.3%	0.0%	0.1%	-0.4%	0.9%	1.1%	0.2%	-1.0%	-2.9%
Dry (24%)												
WSIP 2070 Without Project	59.3	55.5	50.2	48.2	49.5	52.5	55.3	57.2	58.1	59.8	60.9	63.0
WSIP 2070 With Project	59.5	55.3	50.3	48.5	49.6	52.6	55.5	57.8	58.7	59.6	60.6	61.4
Difference	0.2	-0.2	0.2	0.3	0.1	0.1	0.2	0.5	0.6	-0.2	-0.2	-1.6
Percent Difference	0.3%	-0.3%	0.3%	0.6%	0.2%	0.2%	0.3%	0.9%	1.0%	-0.3%	-0.4%	-2.5%
Critical (15%)												
WSIP 2070 Without Project	64.2	56.6	49.8	48.8	50.5	53.8	55.6	58.7	60.2	62.8	64.8	68.3
WSIP 2070 With Project	63.7	56.7	50.1	49.3	50.7	53.8	56.1	59.3	60.0	61.8	64.0	66.2
Difference	-0.6	0.1	0.3	0.4	0.2	0.0	0.5	0.6	-0.2	-1.0	-0.8	-2.1
Percent Difference	-0.9%	0.2%	0.6%	0.9%	0.3%	0.0%	0.9%	1.0%	-0.3%	-1.6%	-1.3%	-3.1%

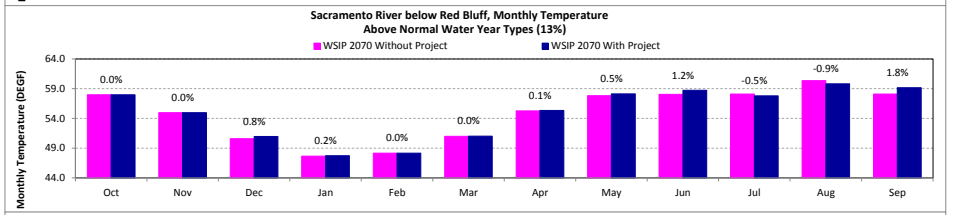
1 Based on the 82-year simulation period

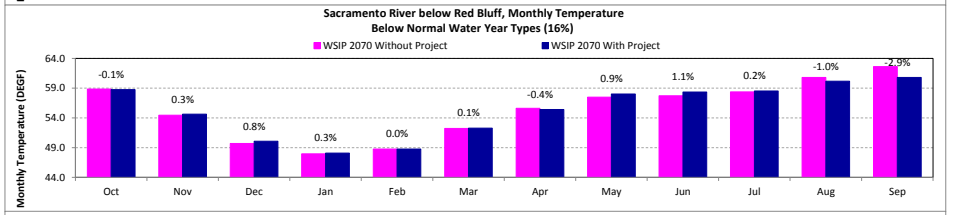
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

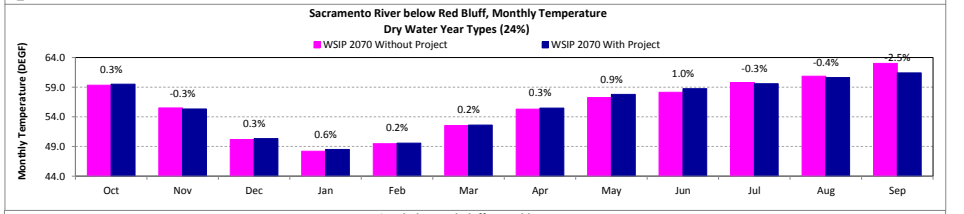
3 Relative difference of the monthly average











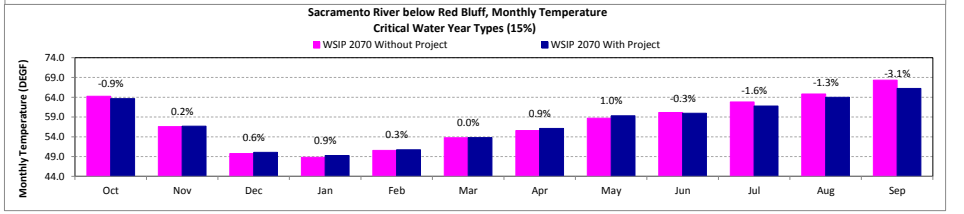


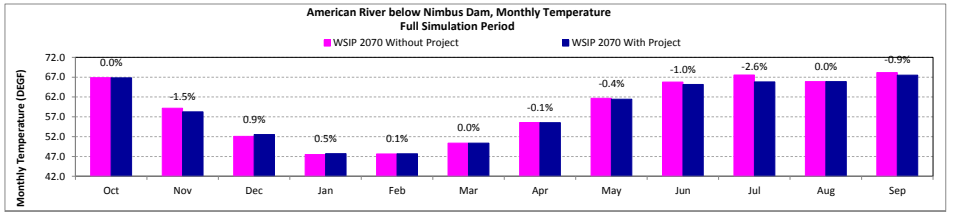
Table SQ9-1a
American River below Nimbus Dam, Monthly Temperature
Long-term Average and Average by Water Year Type

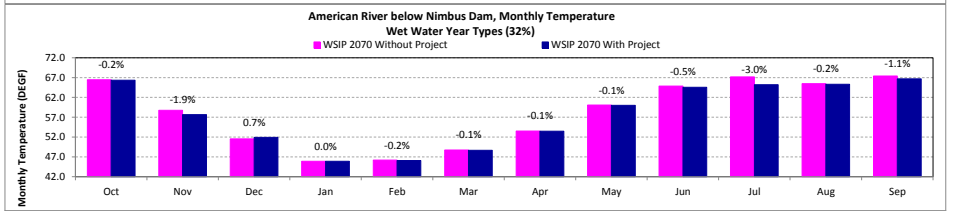
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Temperature (DEGF)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	66.9	59.2	52.1	47.5	47.6	50.4	55.6	61.7	65.8	67.6	65.9	68.2
WSIP 2070 With Project	66.8	58.3	52.5	47.7	47.7	50.4	55.5	61.4	65.2	65.8	65.9	67.5
Difference	0.0	-0.9	0.5	0.2	0.0	0.0	0.0	-0.2	-0.6	-1.7	0.0	-0.6
Percent Difference[3]	0.0%	-1.5%	0.9%	0.5%	0.1%	0.0%	-0.1%	-0.4%	-1.0%	-2.6%	0.0%	-0.9%
	Water Year Types[2]											
Wet (32%)												
WSIP 2070 Without Project	66.5	58.8	51.6	45.9	46.2	48.7	53.5	60.1	64.9	67.2	65.5	67.4
WSIP 2070 With Project	66.4	57.6	51.9	45.9	46.1	48.7	53.5	60.0	64.6	65.2	65.3	66.7
Difference	-0.1	-1.1	0.4	0.0	-0.1	-0.1	0.0	-0.1	-0.3	-2.0	-0.1	-0.7
Percent Difference	-0.2%	-1.9%	0.7%	0.0%	-0.2%	-0.1%	-0.1%	-0.1%	-0.5%	-3.0%	-0.2%	-1.1%
Above Normal (13%)												
WSIP 2070 Without Project	66.8	59.1	52.3	47.6	46.9	49.3	55.1	61.3	66.5	65.9	65.7	67.8
WSIP 2070 With Project	66.6	57.8	53.1	47.7	46.9	49.3	55.1	61.2	65.7	64.3	65.3	67.3
Difference	-0.1	-1.2	0.8	0.1	0.0	0.0	0.0	-0.1	-0.8	-1.6	-0.3	-0.5
Percent Difference	-0.2%	-2.1%	1.5%	0.3%	0.0%	0.0%	0.0%	-0.1%	-1.3%	-2.5%	-0.5%	-0.7%
Below Normal (16%)												
WSIP 2070 Without Project	66.9	59.0	52.5	47.9	47.6	49.9	55.6	61.3	65.7	66.8	65.7	68.0
WSIP 2070 With Project	66.9	58.1	53.1	48.2	47.7	50.0	55.5	61.2	65.2	65.3	65.6	67.5
Difference	0.0	-1.0	0.6	0.3	0.1	0.0	-0.1	-0.2	-0.6	-1.4	0.0	-0.6
Percent Difference	0.0%	-1.6%	1.2%	0.5%	0.3%	0.0%	-0.3%	-0.3%	-0.9%	-2.2%	-0.1%	-0.8%
Dry (24%)												
WSIP 2070 Without Project	67.0	59.6	52.0	48.2	48.4	51.3	56.8	62.6	65.3	67.6	65.7	68.3
WSIP 2070 With Project	67.1	58.8	52.4	48.6	48.5	51.3	56.9	62.2	64.4	66.1	66.2	67.8
Difference	0.1	-0.8	0.4	0.3	0.1	0.0	0.1	-0.4	-1.0	-1.5	0.5	-0.5
Percent Difference	0.2%	-1.3%	0.8%	0.7%	0.2%	0.0%	0.2%	-0.6%	-1.5%	-2.3%	0.8%	-0.8%
Critical (15%)												
WSIP 2070 Without Project	67.5	59.7	52.5	49.1	50.2	53.9	58.2	64.2	67.8	70.7	67.5	69.9
WSIP 2070 With Project	67.6	59.3	53.0	49.8	50.5	53.9	58.0	63.7	67.2	68.7	67.4	69.0
Difference	0.1	-0.4	0.5	0.7	0.2	0.1	-0.3	-0.5	-0.6	-2.0	-0.1	-0.8
Percent Difference	0.1%	-0.6%	0.9%	1.3%	0.5%	0.1%	-0.5%	-0.8%	-0.9%	-2.8%	-0.1%	-1.2%

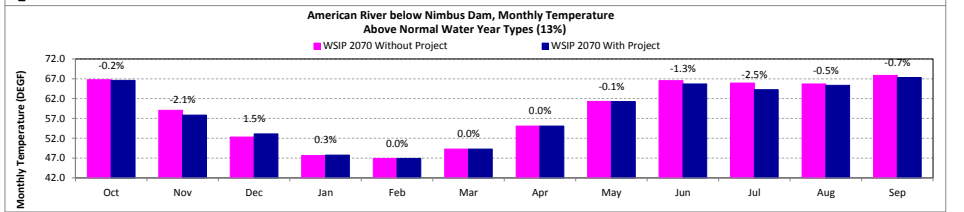
1 Based on the 82-year simulation period

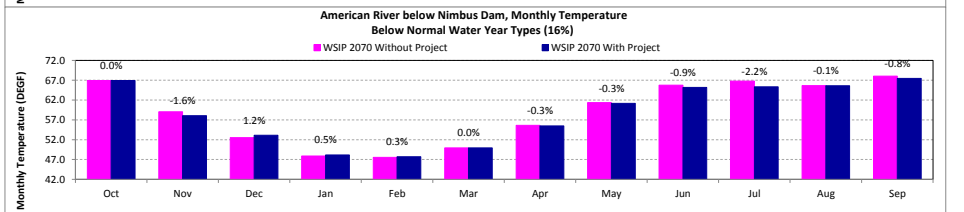
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

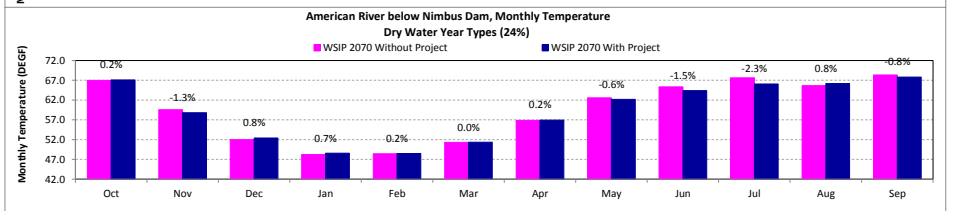
3 Relative difference of the monthly average











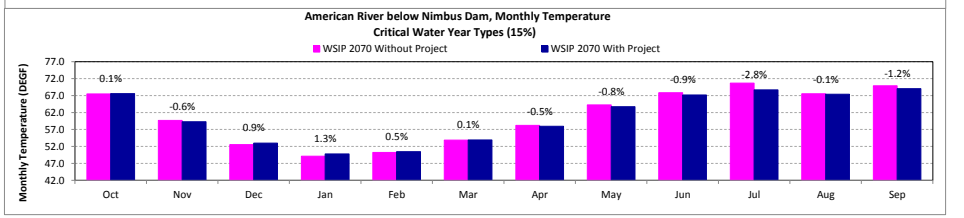


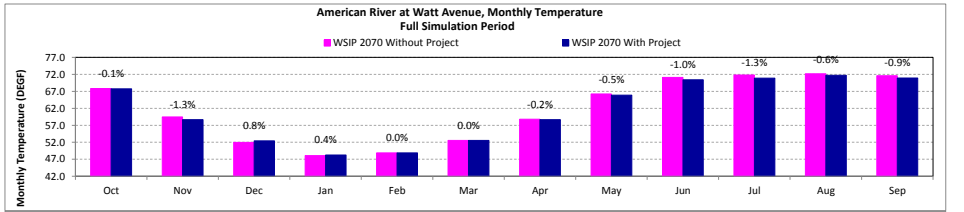
Table SQ10-1a
American River at Watt Avenue, Monthly Temperature
Long-term Average and Average by Water Year Type

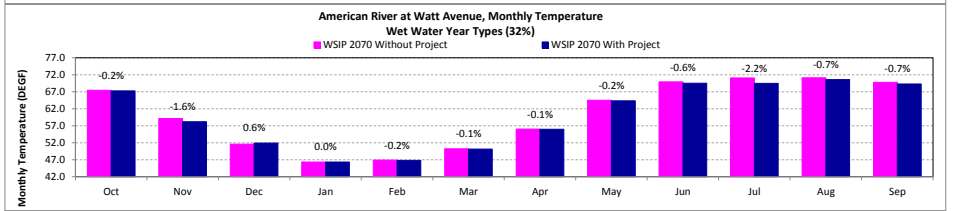
Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	67.8	59.4	52.0	48.1	48.9	52.6	58.8	66.3	71.1	71.8	72.2	71.6
WSIP 2070 With Project	67.7	58.7	52.4	48.3	48.9	52.6	58.6	65.9	70.4	70.9	71.7	70.9
Difference	-0.1	-0.8	0.4	0.2	0.0	0.0	-0.1	-0.4	-0.7	-0.9	-0.4	-0.6
Percent Difference[3]	-0.1%	-1.3%	0.8%	0.4%	0.0%	0.0%	-0.2%	-0.5%	-1.0%	-1.3%	-0.6%	-0.9%
Water Year Types[2]												
Wet (32%)												
WSIP 2070 Without Project	67.4	59.1	51.6	46.3	46.9	50.2	56.0	64.5	69.9	71.0	71.1	69.8
WSIP 2070 With Project	67.3	58.2	51.9	46.3	46.8	50.1	56.0	64.3	69.5	69.5	70.6	69.3
Difference	-0.2	-0.9	0.3	0.0	-0.1	-0.1	-0.1	-0.2	-0.4	-1.6	-0.5	-0.5
Percent Difference	-0.2%	-1.6%	0.6%	0.0%	-0.2%	-0.1%	-0.1%	-0.2%	-0.6%	-2.2%	-0.7%	-0.7%
Above Normal (13%)												
WSIP 2070 Without Project	67.6	59.2	52.2	48.1	47.8	50.9	57.9	65.9	71.8	69.2	71.8	71.0
WSIP 2070 With Project	67.4	58.1	52.9	48.3	47.8	50.9	57.9	65.7	70.7	68.7	70.6	70.5
Difference	-0.2	-1.0	0.7	0.1	0.0	0.0	0.0	-0.2	-1.1	-0.5	-1.2	-0.5
Percent Difference	-0.3%	-1.8%	1.3%	0.3%	0.0%	0.0%	0.0%	-0.3%	-1.5%	-0.8%	-1.7%	-0.7%
Below Normal (16%)												
WSIP 2070 Without Project	67.7	59.1	52.4	48.4	48.7	51.7	59.0	66.0	71.2	70.5	71.8	71.7
WSIP 2070 With Project	67.6	58.3	52.9	48.6	48.8	51.7	58.7	65.6	70.5	70.1	71.1	70.9
Difference	-0.1	-0.8	0.5	0.2	0.1	0.0	-0.3	-0.4	-0.6	-0.4	-0.7	-0.8
Percent Difference	-0.1%	-1.4%	1.0%	0.4%	0.2%	0.0%	-0.5%	-0.6%	-0.9%	-0.6%	-1.0%	-1.1%
Dry (24%)												
WSIP 2070 Without Project	67.9	59.8	51.9	49.0	49.8	54.2	60.4	66.9	70.7	72.0	72.2	72.3
WSIP 2070 With Project	67.9	59.2	52.2	49.2	49.8	54.2	60.6	66.4	69.6	71.4	72.5	71.7
Difference	0.0	-0.7	0.3	0.2	0.1	0.0	0.2	-0.5	-1.1	-0.6	0.2	-0.6
Percent Difference	0.0%	-1.1%	0.7%	0.5%	0.2%	0.1%	0.3%	-0.7%	-1.5%	-0.8%	0.3%	-0.9%
Critical (15%)												
WSIP 2070 Without Project	69.0	60.1	52.5	49.9	52.7	57.5	62.7	69.6	73.6	77.0	75.1	74.6
WSIP 2070 With Project	68.9	59.8	52.9	50.4	52.8	57.5	61.9	68.8	73.2	75.8	74.6	73.6
Difference	-0.1	-0.3	0.4	0.5	0.1	0.0	-0.8	-0.8	-0.4	-1.1	-0.5	-1.0
Percent Difference	-0.1%	-0.4%	0.7%	1.0%	0.2%	0.0%	-1.2%	-1.1%	-0.6%	-1.5%	-0.7%	-1.3%

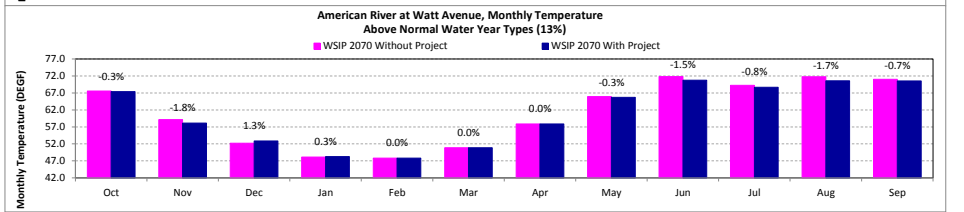
1 Based on the 82-year simulation period

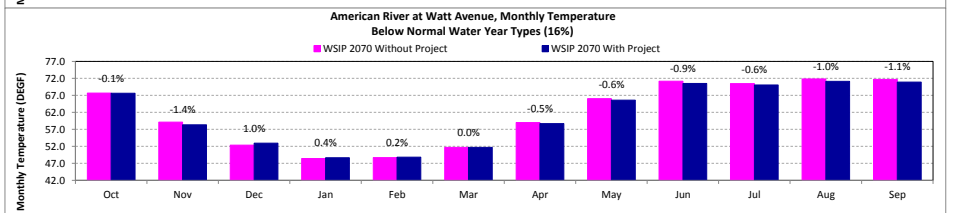
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

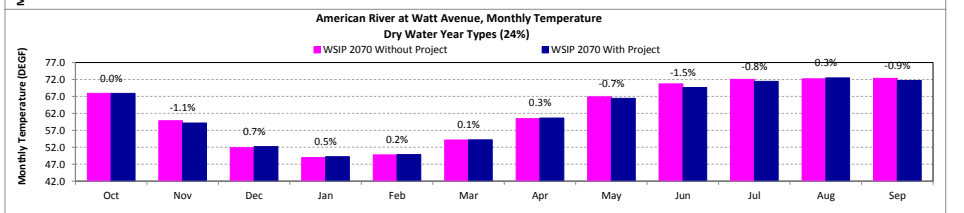
3 Relative difference of the monthly average











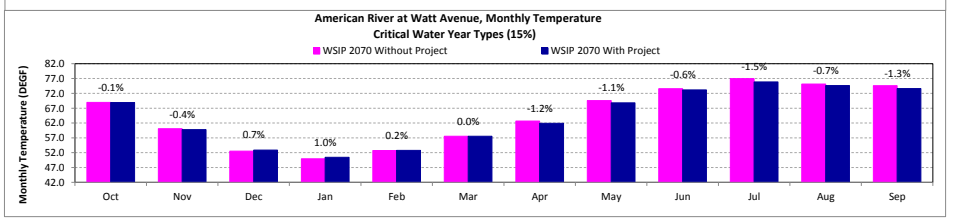


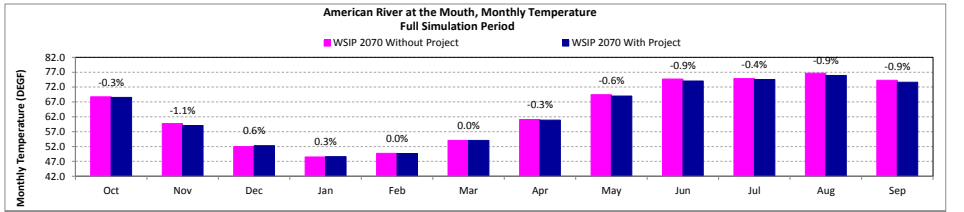
Table SQ11-1a
American River at the Mouth, Monthly Temperature
Long-term Average and Average by Water Year Type

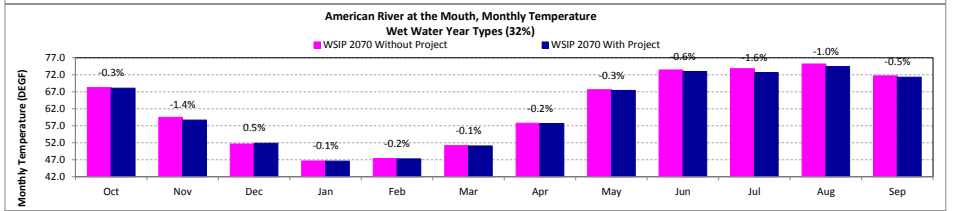
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Temperature (DEGF)											
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	68.7	59.7	52.0	48.5	49.7	54.1	61.1	69.4	74.7	74.8	76.7	74.3
WSIP 2070 With Project	68.5	59.1	52.3	48.6	49.7	54.1	60.9	69.0	74.0	74.5	75.9	73.6
Difference	-0.2	-0.7	0.3	0.1	0.0	0.0	-0.2	-0.4	-0.7	-0.3	-0.7	-0.7
Percent Difference[3]	-0.3%	-1.1%	0.6%	0.3%	0.0%	0.0%	-0.3%	-0.6%	-0.9%	-0.4%	-0.9%	-0.9%
Water Year Types[2]												
Wet (32%)												
WSIP 2070 Without Project	68.2	59.5	51.6	46.6	47.3	51.1	57.8	67.6	73.4	73.8	75.2	71.7
WSIP 2070 With Project	68.0	58.7	51.9	46.6	47.3	51.1	57.7	67.4	73.0	72.7	74.4	71.3
Difference	-0.2	-0.8	0.2	0.0	-0.1	-0.1	-0.1	-0.2	-0.4	-1.2	-0.8	-0.4
Percent Difference	-0.3%	-1.4%	0.5%	-0.1%	-0.2%	-0.1%	-0.2%	-0.3%	-0.6%	-1.6%	-1.0%	-0.5%
Above Normal (13%)												
WSIP 2070 Without Project	68.3	59.3	52.1	48.5	48.4	51.9	59.8	69.1	75.4	71.6	76.1	73.5
WSIP 2070 With Project	68.1	58.4	52.7	48.6	48.4	51.9	59.8	68.8	74.2	72.0	74.3	73.0
Difference	-0.2	-0.9	0.6	0.1	0.0	0.0	0.0	-0.3	-1.2	0.4	-1.7	-0.5
Percent Difference	-0.3%	-1.5%	1.1%	0.3%	-0.1%	0.0%	0.0%	-0.4%	-1.6%	0.6%	-2.3%	-0.7%
Below Normal (16%)												
WSIP 2070 Without Project	68.4	59.3	52.3	48.8	49.5	52.9	61.4	69.3	75.0	73.3	76.3	74.7
WSIP 2070 With Project	68.2	58.6	52.8	49.0	49.6	52.9	61.0	68.8	74.3	73.6	75.2	73.6
Difference	-0.2	-0.7	0.5	0.2	0.1	0.0	-0.4	-0.6	-0.7	0.4	-1.1	-1.0
Percent Difference	-0.2%	-1.2%	0.9%	0.4%	0.2%	0.0%	-0.7%	-0.8%	-0.9%	0.5%	-1.5%	-1.4%
Dry (24%)												
WSIP 2070 Without Project	68.8	60.1	51.8	49.5	50.7	56.1	63.0	69.9	74.4	75.3	76.9	75.5
WSIP 2070 With Project	68.6	59.6	52.1	49.6	50.8	56.2	63.2	69.4	73.3	75.3	77.0	74.8
Difference	-0.1	-0.6	0.3	0.2	0.1	0.1	0.2	-0.5	-1.1	0.0	0.1	-0.7
Percent Difference	-0.2%	-1.0%	0.5%	0.3%	0.1%	0.1%	0.4%	-0.7%	-1.4%	0.0%	0.1%	-0.9%
Critical (15%)												
WSIP 2070 Without Project	70.4	60.5	52.5	50.6	54.4	60.2	65.8	73.0	77.3	81.1	80.3	78.3
WSIP 2070 With Project	70.2	60.3	52.8	50.9	54.4	60.1	64.8	72.2	77.0	80.6	79.7	77.3
Difference	-0.2	-0.2	0.3	0.4	0.0	-0.1	-1.0	-0.8	-0.2	-0.5	-0.6	-1.0
Percent Difference	-0.3%	-0.3%	0.5%	0.7%	-0.1%	-0.1%	-1.6%	-1.2%	-0.3%	-0.6%	-0.7%	-1.3%

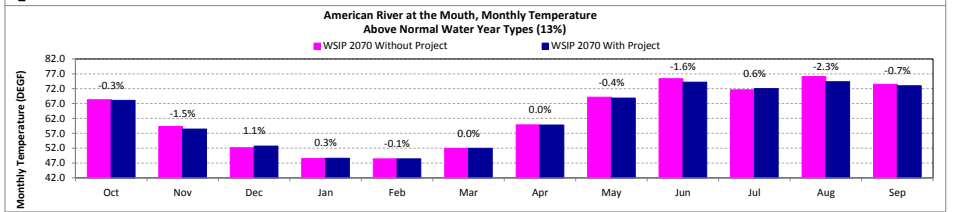
1 Based on the 82-year simulation period

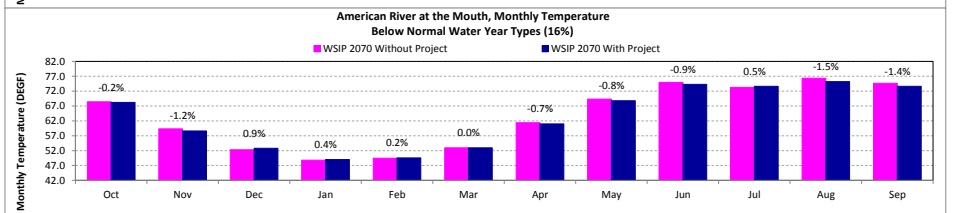
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

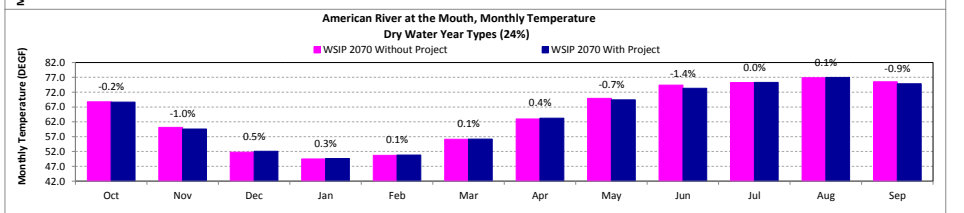
3 Relative difference of the monthly average











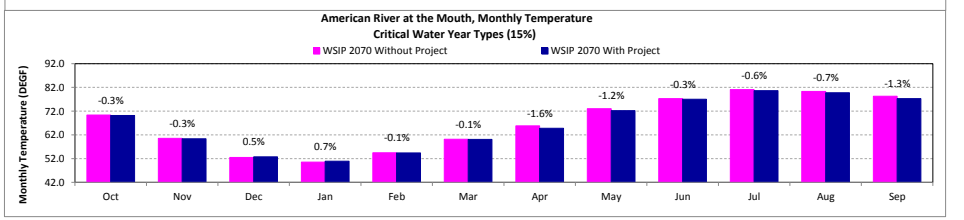


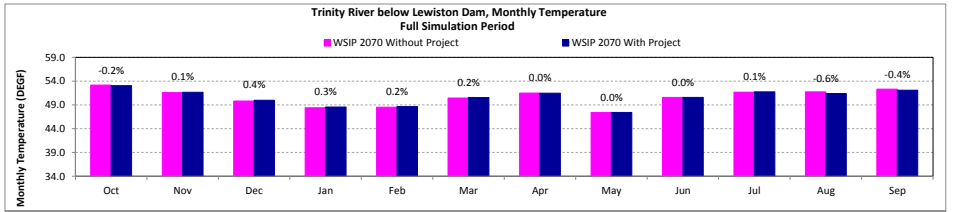
Table SQ12-1a
Trinity River below Lewiston Dam, Monthly Temperature
Long-term Average and Average by Water Year Type

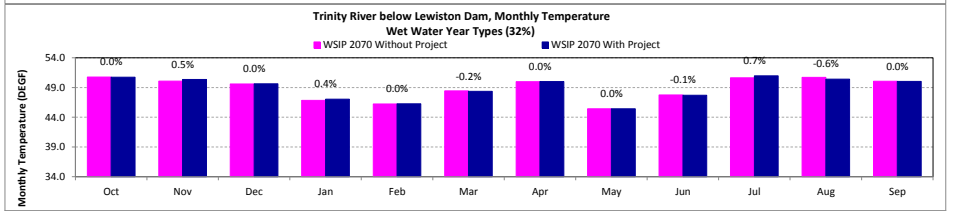
Analysis Period	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
	Monthly Temperature (DEGF)											
	Long-term											
Full Simulation Period[1]												
WSIP 2070 Without Project	53.2	51.6	49.8	48.4	48.5	50.5	51.5	47.4	50.6	51.7	51.7	52.3
WSIP 2070 With Project	53.1	51.7	50.0	48.5	48.6	50.5	51.5	47.4	50.6	51.8	51.4	52.1
Difference	-0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1	-0.3	-0.2
Percent Difference[3]	-0.2%	0.1%	0.4%	0.3%	0.2%	0.2%	0.0%	0.0%	0.0%	0.1%	-0.6%	-0.4%
	Water Year Types[2]											
Wet (32%)												
WSIP 2070 Without Project	50.8	50.1	49.6	46.8	46.2	48.4	50.0	45.4	47.7	50.6	50.7	50.1
WSIP 2070 With Project	50.7	50.3	49.6	47.0	46.2	48.3	50.0	45.4	47.7	51.0	50.4	50.0
Difference	0.0	0.3	0.0	0.2	0.0	-0.1	0.0	0.0	-0.1	0.3	-0.3	0.0
Percent Difference	0.0%	0.5%	0.0%	0.4%	0.0%	-0.2%	0.0%	0.0%	-0.1%	0.7%	-0.6%	0.0%
Above Normal (13%)												
WSIP 2070 Without Project	51.0	50.0	49.9	47.3	47.7	49.5	51.4	45.6	49.1	50.9	51.1	50.6
WSIP 2070 With Project	50.9	50.2	49.8	47.4	47.9	49.8	51.5	45.7	48.9	50.9	50.8	50.3
Difference	-0.1	0.2	-0.1	0.1	0.2	0.3	0.0	0.1	-0.2	0.0	-0.4	-0.3
Percent Difference	-0.2%	0.5%	-0.2%	0.2%	0.4%	0.6%	0.0%	0.1%	-0.4%	0.0%	-0.8%	-0.6%
Below Normal (16%)												
WSIP 2070 Without Project	53.3	51.9	49.3	48.9	49.2	51.6	52.1	47.6	51.3	51.2	51.1	51.7
WSIP 2070 With Project	53.5	51.5	48.9	48.8	49.2	51.4	52.1	47.6	51.4	51.4	51.0	51.6
Difference	0.2	-0.4	-0.4	-0.1	0.0	-0.1	-0.1	0.0	0.1	0.2	-0.1	-0.1
Percent Difference	0.3%	-0.7%	-0.8%	-0.2%	0.1%	-0.3%	-0.1%	0.1%	0.2%	0.4%	-0.3%	-0.2%
Dry (24%)												
WSIP 2070 Without Project	55.0	53.0	49.8	49.5	50.0	51.7	52.5	48.7	51.9	51.8	52.4	53.8
WSIP 2070 With Project	54.9	53.0	50.1	49.7	50.2	52.0	52.5	48.7	51.8	51.7	52.2	53.4
Difference	-0.1	0.0	0.4	0.2	0.3	0.2	-0.1	0.0	-0.1	-0.1	-0.2	-0.4
Percent Difference	-0.1%	-0.1%	0.7%	0.4%	0.5%	0.5%	-0.1%	0.0%	-0.1%	-0.2%	-0.3%	-0.7%
Critical (15%)												
WSIP 2070 Without Project	56.9	53.5	50.8	50.4	51.1	52.4	52.3	51.0	55.0	55.1	54.1	56.9
WSIP 2070 With Project	56.3	53.7	51.9	50.7	51.2	52.6	52.4	50.9	55.3	54.8	53.3	56.4
Difference	-0.6	0.2	1.0	0.3	0.1	0.3	0.0	-0.1	0.3	-0.4	-0.8	-0.5
Percent Difference	-1.1%	0.3%	2.1%	0.5%	0.3%	0.5%	0.1%	-0.1%	0.5%	-0.7%	-1.4%	-0.8%

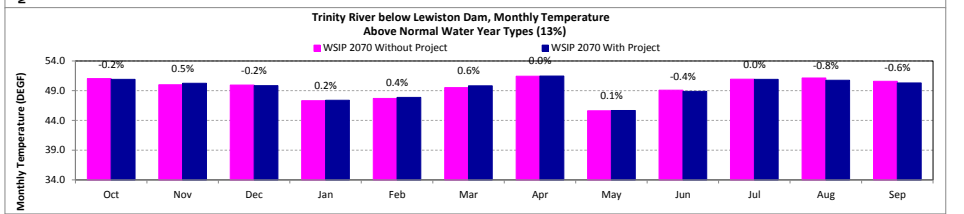
1 Based on the 82-year simulation period

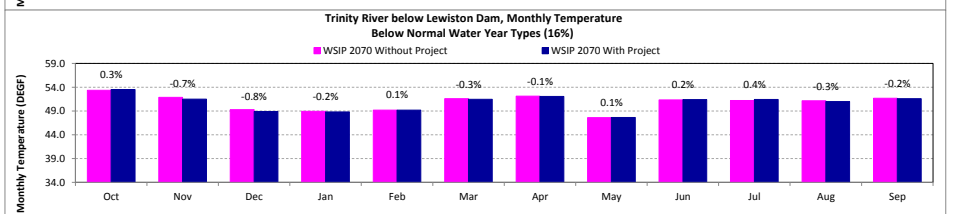
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

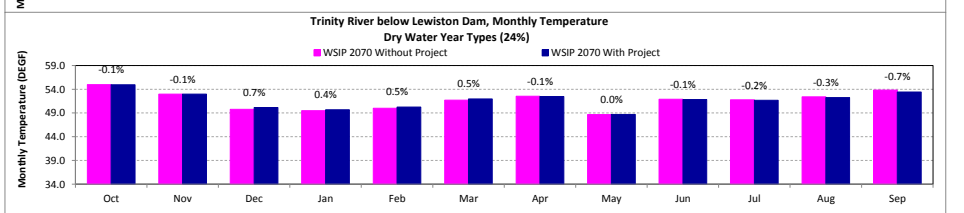
3 Relative difference of the monthly average











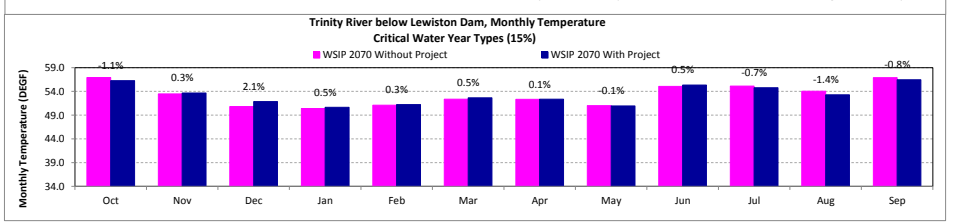


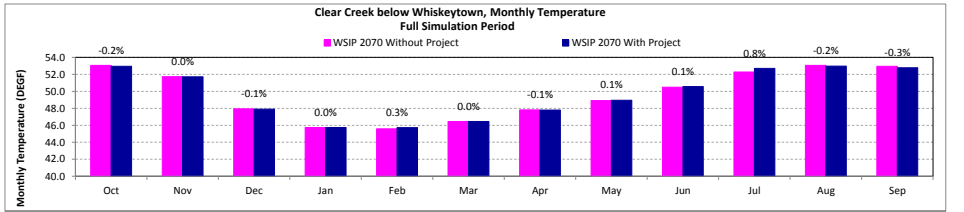
Table SQ13-1a
Clear Creek below Whiskeytown, Monthly Temperature
Long-term Average and Average by Water Year Type

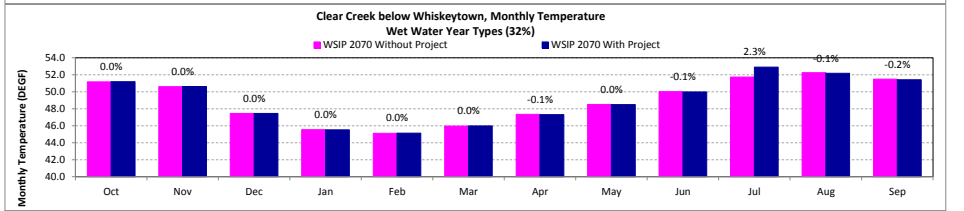
Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	53.1	51.7	47.9	45.7	45.6	46.5	47.8	48.9	50.5	52.3	53.1	53.0
WSIP 2070 With Project	52.9	51.7	47.9	45.7	45.7	46.4	47.8	49.0	50.6	52.7	53.0	52.8
Difference	-0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.4	-0.1	-0.2
Percent Difference[3]	-0.2%	0.0%	-0.1%	0.0%	0.3%	0.0%	-0.1%	0.1%	0.1%	0.8%	-0.2%	-0.3%
Water Year Types[2]												
Wet (32%)												
WSIP 2070 Without Project	51.2	50.6	47.4	45.5	45.1	46.0	47.3	48.5	50.0	51.7	52.2	51.5
WSIP 2070 With Project	51.2	50.6	47.5	45.5	45.1	46.0	47.3	48.5	50.0	52.9	52.2	51.4
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	-0.1	-0.1
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.1%	2.3%	-0.1%	-0.2%
Above Normal (13%)												
WSIP 2070 Without Project	51.7	50.8	47.5	45.7	45.4	46.0	47.4	48.5	49.9	51.7	52.1	51.6
WSIP 2070 With Project	51.5	50.7	47.5	45.7	45.4	46.0	47.3	48.4	49.7	51.5	51.9	51.4
Difference	-0.2	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.3	-0.2
Percent Difference	-0.4%	-0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.2%	-0.2%	-0.3%	-0.3%	-0.5%	-0.4%
Below Normal (16%)												
WSIP 2070 Without Project	52.8	51.5	47.6	45.2	45.0	46.1	47.5	48.5	50.1	52.0	52.7	52.4
WSIP 2070 With Project	52.7	51.6	47.5	45.2	45.0	46.1	47.5	48.5	50.2	52.2	52.6	52.4
Difference	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.2	-0.1	-0.1
Percent Difference	-0.2%	0.1%	-0.2%	-0.1%	-0.1%	0.0%	0.0%	-0.1%	0.3%	0.3%	-0.2%	-0.1%
Dry (24%)												
WSIP 2070 Without Project	54.2	52.6	48.4	45.6	45.9	46.8	48.1	49.1	50.8	52.6	53.5	53.7
WSIP 2070 With Project	54.1	52.6	48.3	45.6	45.8	46.8	48.1	49.2	50.9	52.8	53.5	53.6
Difference	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	-0.1
Percent Difference	-0.2%	0.0%	-0.1%	0.1%	0.0%	0.0%	0.0%	0.1%	0.2%	0.3%	0.1%	-0.2%
Critical (15%)												
WSIP 2070 Without Project	56.6	53.7	48.9	47.0	46.9	47.8	49.2	50.3	52.1	53.7	55.4	56.7
WSIP 2070 With Project	56.3	53.6	48.9	47.1	47.9	47.7	49.1	50.6	52.5	53.7	55.2	56.1
Difference	-0.3	-0.1	0.0	0.1	1.0	0.0	0.0	0.3	0.3	0.0	-0.2	-0.6
Percent Difference	-0.5%	-0.3%	-0.1%	0.2%	2.1%	0.0%	-0.1%	0.5%	0.6%	0.0%	-0.4%	-1.0%

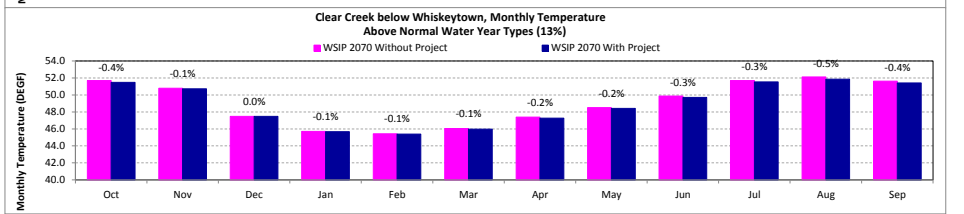
1 Based on the 82-year simulation period

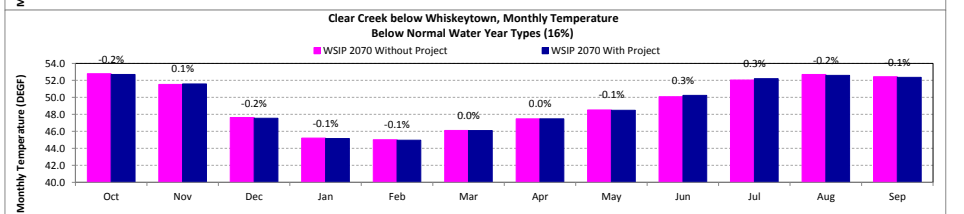
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

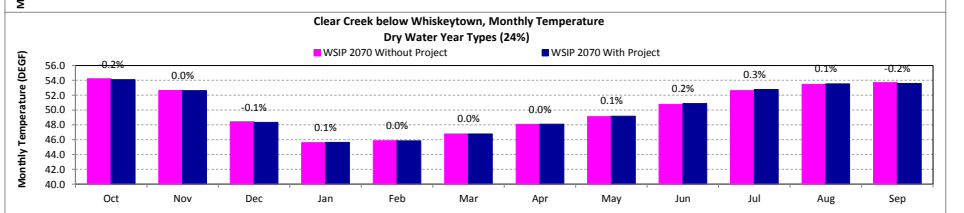
3 Relative difference of the monthly average











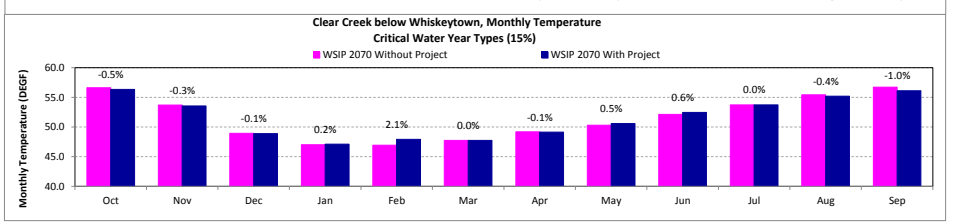


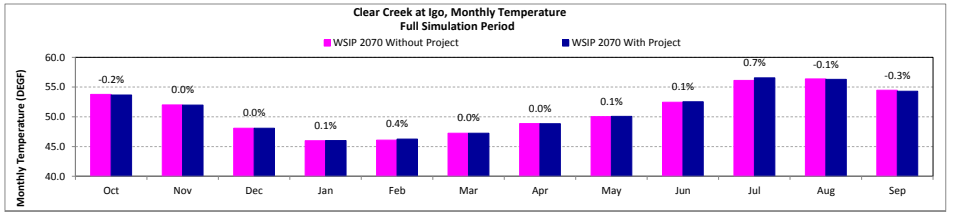
Table SQ14-1a
Clear Creek at Igo, Monthly Temperature
Long-term Average and Average by Water Year Type

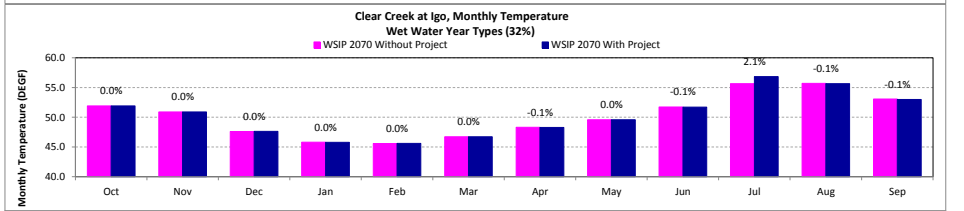
Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	53.8	52.0	48.1	46.0	46.1	47.2	48.9	50.0	52.5	56.1	56.4	54.5
WSIP 2070 With Project	53.7	52.0	48.1	46.0	46.2	47.2	48.8	50.1	52.5	56.5	56.3	54.3
Difference	-0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.1	0.4	-0.1	-0.2
Percent Difference[3]	-0.2%	0.0%	0.0%	0.1%	0.4%	0.0%	0.0%	0.1%	0.1%	0.7%	-0.1%	-0.3%
Water Year Types[2]												
Wet (32%)												
WSIP 2070 Without Project	51.9	50.9	47.6	45.8	45.6	46.7	48.3	49.6	51.7	55.7	55.7	53.1
WSIP 2070 With Project	51.9	50.9	47.6	45.8	45.6	46.7	48.3	49.6	51.7	56.8	55.7	53.0
Difference	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	-0.1	-0.1
Percent Difference	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.1%	0.0%	-0.1%	2.1%	-0.1%	-0.1%
Above Normal (13%)												
WSIP 2070 Without Project	52.4	51.0	47.6	46.0	45.9	46.8	48.4	49.6	51.7	55.6	55.5	53.2
WSIP 2070 With Project	52.2	51.0	47.6	46.0	45.9	46.8	48.3	49.5	51.6	55.5	55.3	53.0
Difference	-0.2	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2
Percent Difference	-0.4%	-0.1%	0.0%	-0.1%	-0.1%	-0.1%	-0.2%	-0.2%	-0.3%	-0.3%	-0.4%	-0.4%
Below Normal (16%)												
WSIP 2070 Without Project	53.4	51.8	47.8	45.5	45.5	46.9	48.5	49.6	51.9	55.9	56.0	53.9
WSIP 2070 With Project	53.4	51.8	47.7	45.4	45.5	46.9	48.5	49.6	52.1	56.0	55.9	53.8
Difference	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.2	-0.1	-0.1
Percent Difference	-0.2%	0.1%	-0.2%	-0.1%	-0.1%	0.0%	0.0%	-0.1%	0.3%	0.3%	-0.2%	-0.1%
Dry (24%)												
WSIP 2070 Without Project	54.9	52.9	48.5	45.8	46.3	47.5	49.1	50.2	52.7	56.4	56.7	55.1
WSIP 2070 With Project	54.8	52.8	48.6	45.8	46.3	47.5	49.1	50.2	52.8	56.5	56.7	55.0
Difference	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	-0.1
Percent Difference	-0.2%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%	0.2%	0.3%	0.1%	-0.2%
Critical (15%)												
WSIP 2070 Without Project	57.5	54.0	49.1	47.2	47.5	48.6	50.4	51.6	55.0	57.5	58.5	58.3
WSIP 2070 With Project	57.2	53.8	49.0	47.5	48.7	48.7	50.4	51.9	55.3	57.5	58.3	57.8
Difference	-0.3	-0.1	0.0	0.3	1.2	0.0	0.0	0.3	0.3	0.0	-0.2	-0.6
Percent Difference	-0.5%	-0.2%	-0.1%	0.6%	2.6%	0.0%	0.0%	0.5%	0.6%	0.0%	-0.3%	-1.0%

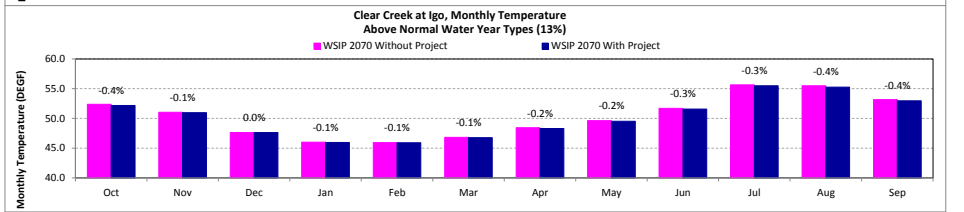
1 Based on the 82-year simulation period

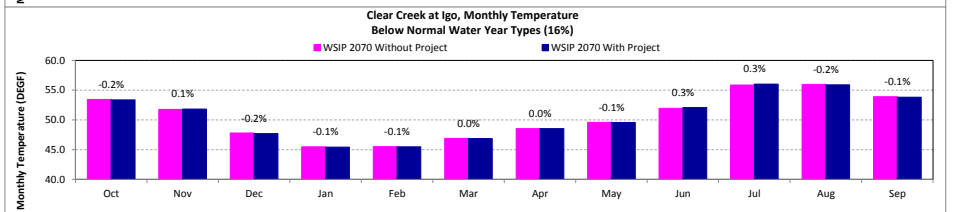
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

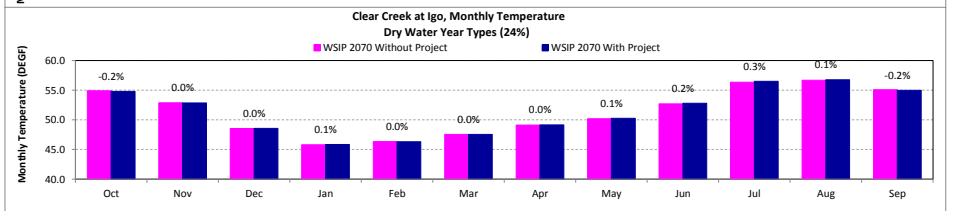
3 Relative difference of the monthly average











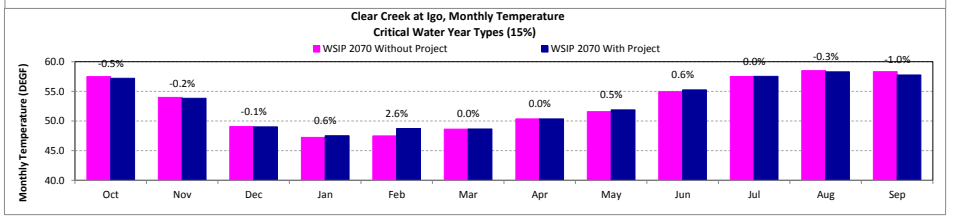


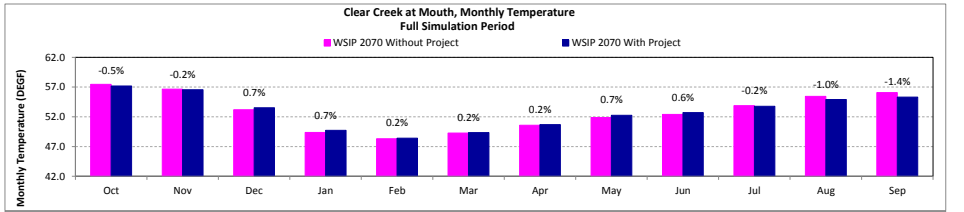
Table SQ15-1a
Clear Creek at Mouth, Monthly Temperature
Long-term Average and Average by Water Year Type

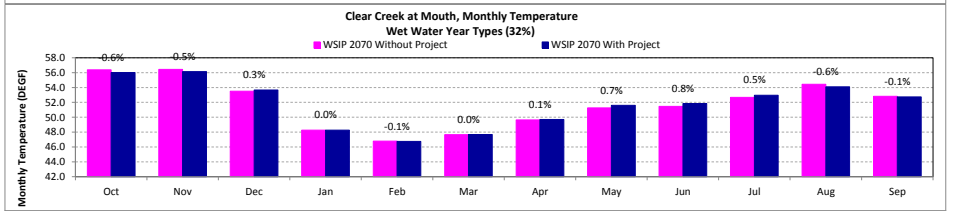
Analysis Period	Monthly Temperature (DEGF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Long-term												
Full Simulation Period[1]												
WSIP 2070 Without Project	57.5	56.7	53.2	49.4	48.3	49.3	50.6	51.9	52.4	53.9	55.4	56.1
WSIP 2070 With Project	57.2	56.6	53.5	49.7	48.4	49.3	50.7	52.3	52.7	53.8	54.9	55.3
Difference	-0.3	-0.1	0.3	0.4	0.1	0.1	0.1	0.4	0.3	-0.1	-0.5	-0.8
Percent Difference[3]	-0.5%	-0.2%	0.7%	0.7%	0.2%	0.2%	0.2%	0.7%	0.6%	-0.2%	-1.0%	-1.4%
Water Year Types[2]												
Wet (32%)												
WSIP 2070 Without Project	56.4	56.4	53.5	48.3	46.8	47.7	49.6	51.3	51.5	52.7	54.4	52.8
WSIP 2070 With Project	56.0	56.1	53.7	48.3	46.8	47.7	49.7	51.6	51.9	53.0	54.1	52.7
Difference	-0.4	-0.3	0.2	0.0	0.0	0.0	0.1	0.3	0.4	0.3	-0.3	-0.1
Percent Difference	-0.6%	-0.5%	0.3%	0.0%	-0.1%	0.0%	0.1%	0.7%	0.8%	0.5%	-0.6%	-0.1%
Above Normal (13%)												
WSIP 2070 Without Project	55.7	55.9	53.7	49.6	48.1	48.7	50.6	51.7	51.8	52.6	54.0	53.4
WSIP 2070 With Project	55.6	55.8	53.9	49.7	48.1	48.7	50.6	51.9	52.1	52.5	53.7	54.0
Difference	-0.2	-0.1	0.2	0.1	0.0	0.0	0.0	0.2	0.3	-0.1	-0.3	0.6
Percent Difference	-0.3%	-0.1%	0.4%	0.2%	0.0%	-0.1%	0.1%	0.4%	0.5%	-0.1%	-0.6%	1.1%
Below Normal (16%)												
WSIP 2070 Without Project	56.2	55.8	52.7	49.8	48.4	49.8	51.0	51.6	51.9	53.2	54.8	55.8
WSIP 2070 With Project	56.2	56.1	53.3	50.2	48.5	49.9	50.8	52.0	52.4	53.4	54.3	54.7
Difference	0.0	0.2	0.5	0.4	0.0	0.0	-0.2	0.5	0.6	0.2	-0.6	-1.1
Percent Difference	0.0%	0.4%	1.0%	0.9%	0.0%	0.1%	-0.4%	0.9%	1.1%	0.5%	-1.0%	-2.0%
Dry (24%)												
WSIP 2070 Without Project	57.1	57.0	53.2	49.9	49.5	50.2	50.9	51.9	52.7	54.5	55.1	56.6
WSIP 2070 With Project	57.1	56.7	53.5	50.5	49.6	50.4	51.2	52.5	53.2	54.3	54.8	55.7
Difference	0.0	-0.2	0.3	0.6	0.2	0.2	0.2	0.5	0.5	-0.2	-0.3	-1.0
Percent Difference	0.0%	-0.4%	0.6%	1.2%	0.3%	0.4%	0.5%	1.0%	1.0%	-0.4%	-0.6%	-1.7%
Critical (15%)												
WSIP 2070 Without Project	63.2	58.1	52.6	50.2	49.8	51.1	51.5	53.6	55.1	57.3	60.1	64.9
WSIP 2070 With Project	62.3	58.3	53.3	51.0	50.2	51.2	51.9	53.9	54.6	56.1	58.7	62.1
Difference	-0.9	0.2	0.7	0.8	0.5	0.1	0.4	0.3	-0.5	-1.2	-1.4	-2.7
Percent Difference	-1.3%	0.3%	1.4%	1.7%	0.9%	0.2%	0.8%	0.5%	-0.9%	-2.1%	-2.4%	-4.2%

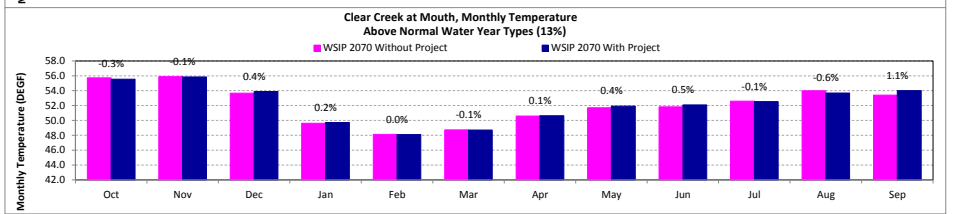
1 Based on the 82-year simulation period

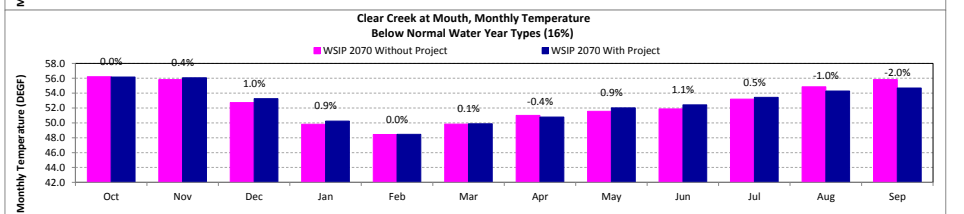
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

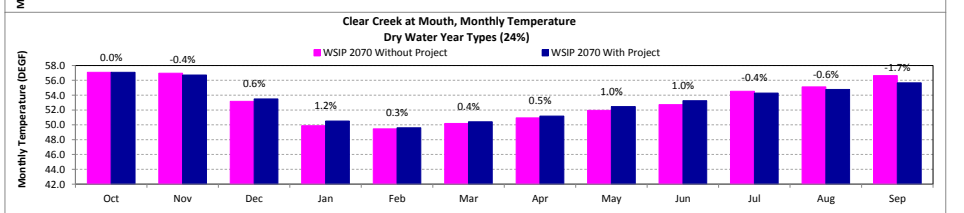
3 Relative difference of the monthly average











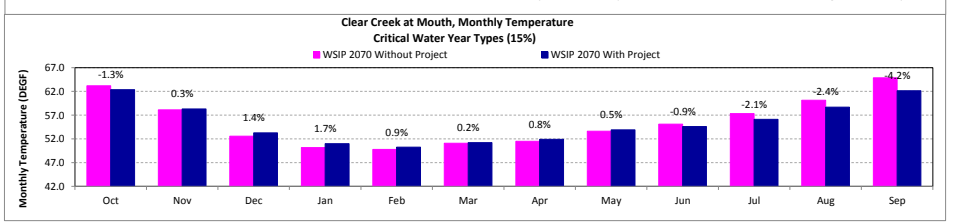


Figure SQ2-1b
Sacramento River below Keswick, Monthly Temperature
Probability of Exceedance

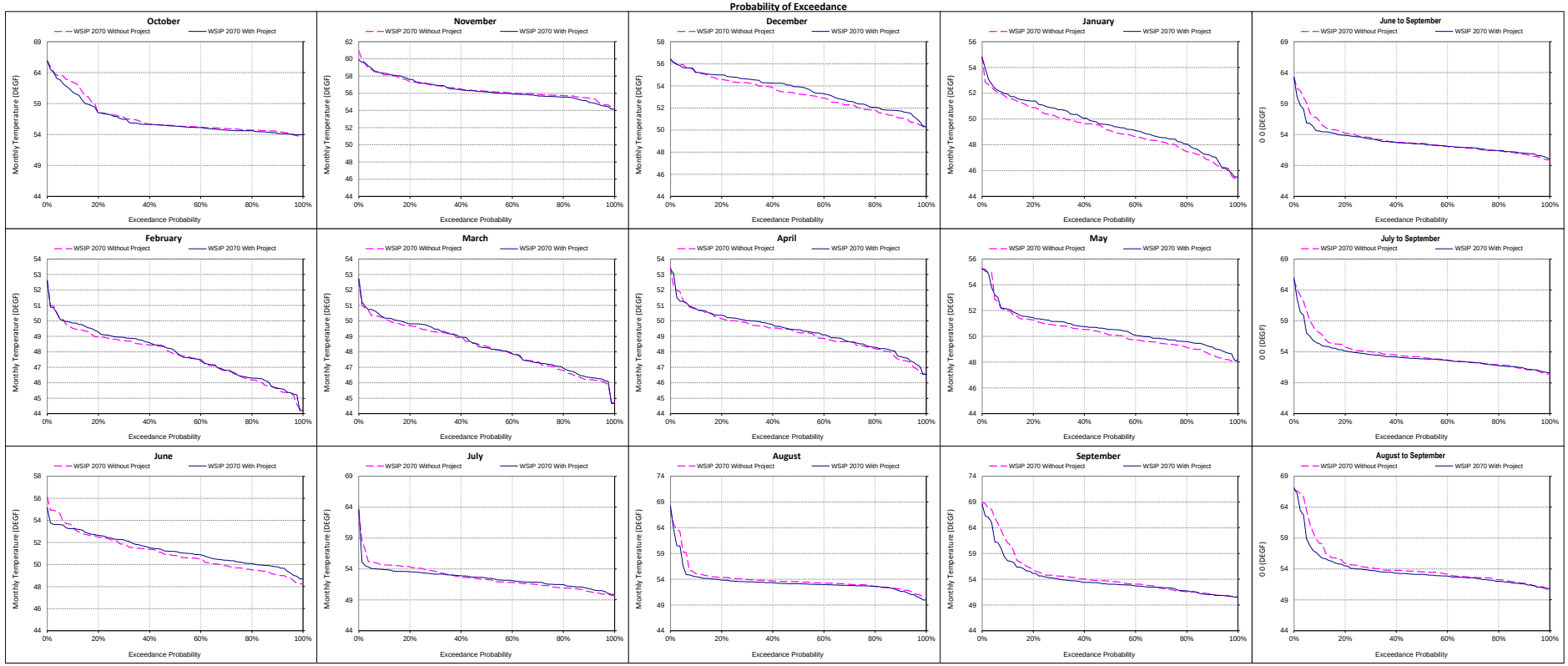


Table SQ2-1b

Sacramento River below Keswick, Monthly Temperature

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	65.9	65.9	0.0	0.0%
1.2%	65.0	64.5	-0.4	-0.7%
2.5%	64.1	64.1	0.0	-0.1%
3.7%	63.6	63.1	-0.5	-0.8%
4.9%	63.5	62.9	-0.7	-1.1%
6.2%	63.5	62.2	-1.3	-2.0%
7.4%	62.9	61.8	-1.1	-1.7%
8.6%	62.8	61.4	-1.4	-2.3%
9.9%	62.4	60.8	-1.6	-2.6%
11.1%	62.3	60.6	-1.7	-2.8%
12.3%	61.8	60.3	-1.5	-2.4%
13.6%	60.9	59.6	-1.4	-2.2%
14.8%	60.3	59.0	-1.3	-2.1%
16.0%	60.1	58.9	-1.2	-2.0%
17.3%	59.3	58.6	-0.6	-1.1%
18.5%	59.0	58.5	-0.5	-0.9%
19.8%	57.6	57.5	-0.1	-0.2%
21.0%	57.4	57.5	0.1	0.1%
22.2%	57.3	57.4	0.1	0.2%
23.5%	57.3	57.3	0.0	0.0%
24.7%	57.2	57.2	0.0	0.0%
25.9%	57.1	56.9	-0.2	-0.3%
27.2%	57.1	56.9	-0.2	-0.4%
28.4%	56.9	56.6	-0.3	-0.5%
29.6%	56.8	56.5	-0.4	-0.7%
30.9%	56.5	56.5	-0.1	-0.1%
32.1%	56.5	55.9	-0.6	-1.1%
33.3%	56.4	55.9	-0.5	-0.9%
34.6%	56.4	55.9	-0.5	-0.9%
35.8%	56.2	55.8	-0.4	-0.8%
37.0%	55.9	55.7	-0.3	-0.5%
38.3%	55.8	55.6	-0.2	-0.3%
39.5%	55.7	55.6	-0.1	-0.1%
40.7%	55.6	55.6	0.0	0.0%
42.0%	55.6	55.6	0.0	0.0%
43.2%	55.6	55.6	0.0	0.0%
44.4%	55.5	55.5	0.0	0.0%
45.7%	55.5	55.5	0.0	0.0%
46.9%	55.5	55.4	-0.1	-0.2%
48.1%	55.5	55.4	-0.1	-0.2%
49.4%	55.4	55.4	-0.1	-0.1%
50.6%	55.4	55.3	0.0	-0.1%
51.9%	55.3	55.3	0.0	0.0%
53.1%	55.3	55.3	-0.1	-0.1%
54.3%	55.3	55.2	-0.1	-0.2%
55.6%	55.3	55.2	-0.1	-0.2%
56.8%	55.3	55.1	-0.1	-0.2%
58.0%	55.2	55.1	-0.1	-0.2%
59.3%	55.2	55.1	-0.1	-0.2%
60.5%	55.2	55.1	-0.1	-0.1%
61.7%	55.1	55.0	-0.1	-0.2%
63.0%	55.1	54.9	-0.2	-0.3%
64.2%	55.1	54.9	-0.2	-0.4%
65.4%	55.1	54.9	-0.2	-0.3%
66.7%	55.1	54.8	-0.2	-0.4%
67.9%	55.0	54.8	-0.2	-0.4%
69.1%	55.0	54.7	-0.2	-0.4%
70.4%	54.9	54.7	-0.3	-0.5%
71.6%	54.9	54.7	-0.3	-0.5%
72.8%	54.9	54.6	-0.3	-0.5%
74.1%	54.9	54.6	-0.3	-0.5%
75.3%	54.8	54.6	-0.2	-0.4%
76.5%	54.7	54.6	-0.1	-0.2%
77.8%	54.7	54.6	-0.1	-0.2%
79.0%	54.7	54.6	-0.1	-0.2%
80.2%	54.7	54.6	-0.1	-0.2%
81.5%	54.7	54.5	-0.2	-0.4%
82.7%	54.7	54.4	-0.2	-0.4%
84.0%	54.6	54.4	-0.2	-0.4%
85.2%	54.6	54.4	-0.2	-0.4%
86.4%	54.6	54.3	-0.3	-0.5%
87.7%	54.6	54.3	-0.2	-0.4%
88.9%	54.6	54.3	-0.3	-0.5%
90.1%	54.5	54.2	-0.3	-0.6%
91.4%	54.4	54.2	-0.3	-0.5%
92.6%	54.3	54.2	-0.2	-0.3%
93.8%	54.3	54.1	-0.1	-0.2%
95.1%	54.3	54.0	-0.2	-0.4%
96.3%	53.9	54.0	0.1	0.2%
97.5%	53.8	53.9	0.2	0.3%
98.8%	53.7	53.9	0.2	0.4%
100.0%	53.7	53.9	0.0	0.4%

November				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.9	59.9	-1.1	-1.8%
1.2%	59.9	59.6	-0.4	-0.6%
2.5%	59.4	59.5	0.1	0.2%
3.7%	58.9	59.2	0.2	0.4%
4.9%	58.8	58.9	0.2	0.3%
6.2%	58.6	58.5	-0.1	-0.1%
7.4%	58.5	58.5	0.0	0.0%
8.6%	58.4	58.4	0.0	0.0%
9.9%	58.1	58.3	0.2	0.3%
11.1%	58.1	58.3	0.1	0.3%
12.3%	58.1	58.2	0.1	0.2%
13.6%	58.0	58.1	0.1	0.1%
14.8%	58.0	58.0	0.1	0.1%
16.0%	57.7	58.0	0.3	0.5%
17.3%	57.7	57.9	0.2	0.4%
18.5%	57.6	57.8	0.2	0.3%
19.8%	57.4	57.6	0.3	0.5%
21.0%	57.3	57.6	0.3	0.5%
22.2%	57.3	57.3	0.0	0.1%
23.5%	57.3	57.2	-0.1	-0.2%
24.7%	57.3	57.2	-0.1	-0.2%
25.9%	57.2	57.1	-0.1	-0.2%
27.2%	57.0	57.1	0.1	0.1%
28.4%	57.0	57.0	0.1	0.1%
29.6%	56.9	57.0	0.1	0.1%
30.9%	56.9	56.9	0.0	0.0%
32.1%	56.9	56.9	0.0	0.0%
33.3%	56.7	56.9	0.1	0.3%
34.6%	56.7	56.6	0.0	0.0%
35.8%	56.7	56.5	-0.1	-0.3%
37.0%	56.6	56.5	-0.1	-0.3%
38.3%	56.6	56.5	-0.1	-0.2%
39.5%	56.5	56.4	-0.1	-0.2%
40.7%	56.4	56.4	-0.1	-0.1%
42.0%	56.4	56.3	-0.1	-0.1%
43.2%	56.4	56.3	-0.1	-0.1%
44.4%	56.3	56.3	0.0	0.0%
45.7%	56.3	56.3	0.0	-0.1%
46.9%	56.3	56.2	-0.1	-0.2%
48.1%	56.3	56.2	-0.1	-0.1%
49.4%	56.3	56.2	-0.1	-0.2%
50.6%	56.2	56.1	-0.1	-0.1%
51.9%	56.2	56.1	-0.1	-0.1%
53.1%	56.2	56.0	-0.1	-0.3%
54.3%	56.1	56.0	-0.1	-0.2%
55.6%	56.1	56.0	-0.1	-0.2%
56.8%	56.1	56.0	-0.1	-0.2%
58.0%	56.1	56.0	-0.1	-0.2%
59.3%	56.1	56.0	-0.1	-0.2%
60.5%	56.0	55.9	-0.1	-0.2%
61.7%	56.0	55.9	-0.1	-0.2%
63.0%	56.0	55.9	-0.1	-0.2%
64.2%	56.0	55.9	-0.1	-0.2%
65.4%	56.0	55.9	-0.1	-0.2%
66.7%	56.0	55.8	-0.2	-0.3%
67.9%	56.0	55.8	-0.2	-0.3%
69.1%	55.9	55.7	-0.2	-0.3%
70.4%	55.9	55.7	-0.2	-0.3%
71.6%	55.8	55.7	-0.2	-0.3%
72.8%	55.8	55.7	-0.1	-0.3%
74.1%	55.8	55.6	-0.2	-0.3%
75.3%	55.8	55.6	-0.2	-0.3%
76.5%	55.8	55.6	-0.2	-0.3%
77.8%	55.8	55.6	-0.2	-0.3%
79.0%	55.7	55.6	-0.2	-0.3%
80.2%	55.7	55.6	-0.2	-0.3%
81.5%	55.7	55.6	-0.2	-0.3%
82.7%	55.7	55.5	-0.1	-0.3%
84.0%	55.7	55.4	-0.2	-0.4%
85.2%	55.6	55.3	-0.2	-0.4%
86.4%	55.5	55.2	-0.3	-0.6%
87.7%	55.5	55.2	-0.3	-0.6%
88.9%	55.5	55.2	-0.3	-0.6%
90.1%	55.4	54.9	-0.5	-0.9%
91.4%	55.4	54.9	-0.5	-0.8%
92.6%	55.3	54.8	-0.5	-0.9%
93.8%	54.9	54.7	-0.2	-0.4%
95.1%	54.8	54.6	-0.2	-0.4%
96.3%	54.6	54.5	-0.2	-0.3%
97.5%	54.6	54.4	-0.2	-0.4%
98.8%	54.4	54.1	-0.2	-0.4%
100.0%	54.4	54.1	-0.2	-0.4%

December				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.3	56.4	0.1	0.2%
1.2%	56.1	56.1	0.0	0.0%
2.5%	56.0	55.9	-0.1	-0.2%
3.7%	55.9	55.8	-0.1	-0.2%
4.9%	55.9	55.6	-0.3	-0.5%
6.2%	55.6	55.6	0.0	0.0%
7.4%	55.6	55.6	0.0	0.0%
8.6%	55.5	55.6	0.1	0.1%
9.9%	55.2	55.2	0.0	0.1%
11.1%	55.2	55.2	0.0	0.0%
12.3%	55.1	55.1	0.0	0.1%
13.6%	55.1	55.1	0.1	0.1%
14.8%	54.9	55.1	0.2	0.3%
16.0%	54.8	55.0	0.2	0.4%
17.3%	54.7	55.0	0.3	0.5%
18.5%	54.6	55.0	0.4	0.7%
19.8%	54.6	55.0	0.4	0.7%
21.0%	54.5	55.0	0.4	0.8%
22.2%	54.5	54.8	0.4	0.6%
23.5%	54.5	54.8	0.3	0.6%
24.7%	54.3	54.8	0.5	0.8%
25.9%	54.3	54.8	0.4	0.8%
27.2%	54.3	54.7	0.4	0.7%
28.4%	54.3	54.7	0.4	0.7%
29.6%	54.3	54.6	0.3	0.6%
30.9%	54.2	54.6	0.4	0.7%
32.1%	54.2	54.6	0.3	0.6%
33.3%	54.1	54.5	0.4	0.7%
34.6%	54.0	54.5	0.5	1.0%
35.8%	54.0	54.3	0.3	0.6%
37.0%	54.0	54.3	0.3	0.6%
38.3%	53.9	54.3	0.3	0.6%
39.5%	53.9	54.3	0.3	0.6%
40.7%	53.7	54.3	0.5	1.0%
42.0%	53.6	54.2	0.7	1.3%
43.2%	53.5	54.2	0.7	1.4%
44.4%	53.5	54.2	0.7	1.4%
45.7%	53.4	54.1	0.7	1.2%
46.9%	53.4	54.1	0.7	1.3%
48.1%	53.4	53.9	0.6	1.0%
49.4%	53.3	53.9	0.7	1.3%
50.6%	53.2	53.9	0.6	1.2%
51.9%	53.2	53.9	0.7	1.3%
53.1%	53.2	53.8	0.6	1.1%
54.3%	53.1	53.7	0.5	1.0%
55.6%	53.1	53.5	0.4	0.7%
56.8%	53.1	53.4	0.3	0.6%
58.0%	53.0	53.3	0.4	0.7%
59.3%	52.9	53.3	0.4	0.8%
60.5%	52.9	53.2	0.4	0.7%
61.7%	52.8	53.2	0.5	0.9%
63.0%	52.5	53.1	0.6	1.1%
64.2%	52.5	53.0	0.4	0.8%
65.4%	52.5	52.9	0.4	0.7%
66.7%	52.5	52.8	0.3	0.7%
67.9%	52.3	52.7	0.5	0.9%
69.1%	52.3	52.6	0.3	0.6%
70.4%	52.3	52.6	0.3	0.6%
71.6%	52.3	52.6	0.3	0.6%
72.8%	52.1	52.4	0.3	0.6%
74.1%	52.0	52.4	0.4	0.7%
75.3%	51.9	52.4	0.5	0.9%
76.5%	51.9	52.3	0.4	0.8%
77.8%	51.8	52.1	0.3	0.6%
79.0%	51.8	52.1	0.2	0.5%
80.2%	51.8	52.0	0.3	0.5%
81.5%	51.6	52.0	0.5	0.9%
82.7%	51.5	51.9	0.3	0.6%
84.0%	51.5	51.8	0.4	0.7%
85.2%	51.4	51.8	0.4	0.9%
86.4%	51.3	51.8	0.4	0.9%
87.7%	51.3	51.8	0.5	1.0%
88.9%	51.1	51.8	0.6	1.2%
90.1%	51.1	51.7	0.6	1.3%
91.4%	51.1	51.6	0.5	1.1%
92.6%	51.0	51.6	0.6	1.1%
93.8%	50.7	51.5	0.8	1.6%
95.1%	50.7	51.2	0.5	1.0%
96.3%	50.6	51.0	0.4	0.8%
97.5%	50.4	50.7	0.3	0.6%
98.8%	50.4	50.3	-0.1	-0.2%
100.0%	50.4	50.3	-0.1	-0.2%

January				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.8	54.8	0.0	0.0%
1.2%	52.8	53.9	1.1	2.1%
2.5%	52.7	53.1	0.4	0.8%
3.7%	52.5	52.7	0.2	0.5%
4.9%	52.2	52.4	0.2	0.3%
6.2%	52.0	52.2	0.2	0.4%
7.4%	52.0	52.1	0.1	0.2%
8.6%	51.8	52.0	0.2	0.3%
9.9%	51.6	51.9	0.3	0.6%
11.1%	51.6	51.7	0.2	0.3%
12.3%	51.5	51.7	0.2	0.4%
13.6%	51.4	51.6	0.2	0.4%
14.8%	51.3	51.5	0.2	0.4%
16.0%	51.2	51.5	0.3	0.5%
17.3%	51.1	51.4	0.3	0.7%
18.5%	50.9	51.4	0.5	1.0%
19.8%	50.9	51.4	0.5	1.0%
21.0%	50.9	51.4	0.5	1.0%
22.2%	50.7	51.1	0.4	0.8%
23.5%	50.5	51.1	0.6	1.1%
24.7%	50.4	51.0	0.6	1.2%
25.9%	50.4	50.9	0.5	1.1%
27.2%	50.3	50.9	0.5	1.1%
28.4%	50.3	50.8	0.6	1.2%
29.6%	50.1	50.7	0.6	1.2%
30.9%	50.1	50.7	0.6	1.3%
32.1%	50.1	50.7	0.6	1.2%
33.3%	49.9	50.6	0.7	1.3%
34.6%	49.9	50.4	0.5	0.9%
35.8%	49.9	50.4	0.5	1.0%
37.0%	49.8	50.3	0.6	1.2%
38.3%	49.7	50.2	0.5	0.9%
39.5%	49.6	50.1	0.4	0.9%
40.7%	49.6	50.1	0.4	0.9%
42.0%	49.6	49.9	0.3	0.5%
43.2%	49.6	49.8	0.2	0.5%
44.4%	49.6	49.8	0.2	0.5%
45.7%	49.5	49.6	0.1	0.2%
46.9%	49.4	49.6	0.2	0.4%
48.1%	49.2	49.6	0.4	0.8%
49.4%	49.1	49.5	0.4	0.8%
50.6%	49.1	49.5	0.4	0.9%
51.9%	48.9	49.4	0.5	0.9%
53.1%	48.9	49.4	0.5	1.0%
54.3%	48.8	49.3	0.5	1.0%
55.6%	48.8	49.3	0.5	1.0%
56.8%	48.8	49.2	0.4	0.8%
58.0%	48.8	49.2	0.4	0.9%
59.3%	48.7	49.2	0.5	1.0%
60.5%	48.6	49.1	0.4	0.9%
61.7%	48.6	49.0	0.5	1.0%
63.0%	48.5	48.9	0.4	0.9%
64.2%	48.4	48.8	0.4	0.9%
65.4%	48.4	48.8	0.5	0.9%
66.7%	48.4	48.7	0.4	0.8%
67.9%	48.3	48.6	0.3	0.6%
69.1%	48.3	48.6	0.3	0.7%
70.4%	48.2	48.6	0.3	0.7%
71.6%	48.2	48.5	0.4	0.8%
72.8%	48.1	48.5	0.4	0.9%
74.1%	48.0	48.5	0.4	0.9%
75.3%	48.0	48.5	0.4	0.9%
76.5%	47.8	48.2	0.4	0.8%
77.8%	47.7	48.2	0.5	1.0%
79.0%	47.5	48.1	0.5	1.1%
80.2%	47.5	48.1	0.6	1.2%
81.5%	47.4	47.8	0.4	0.9%
82.7%	47.4	47.7	0.4	0.8%
84.0%	47.2	47.7	0.4	0.9%
85.2%	47.2	47.5	0.3	0.6%
86.4%	47.1	47.3	0.2	0.5%
87.7%	46.9	47.2	0.4	0.8%
88.9%	46.8	47.2	0.4	0.8%
90.1%	46.7	47.1	0.4	0.8%
91.4%	46.5	47.0	0.6	1.2%
92.6%	46.3	46.6	0.3	0.7%
93.8%	46.3	46.2	-0.1	-0.2%
95.1%	46.2	46.2	-0.1	-0.1%
96.3%	46.2	46.0	-0.2	-0.3%
97.5%	45.6	45.8	0.2	0.5%
98.8%	45.4	45.5	0.1	0.2%
100.0%	45.4	45.5	0.1	0.2%

Table SQ2-1b

Sacramento River below Keswick, Monthly Temperature

Probability of Exceedance

February				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.6	52.6	0.0	0.0%
1.2%	51.0	50.9	-0.1	-0.2%
2.5%	50.9	50.8	-0.1	-0.2%
3.7%	50.5	50.5	0.0	0.0%
4.9%	50.1	50.1	0.0	0.0%
6.2%	50.1	50.0	-0.1	-0.2%
7.4%	49.8	50.0	0.2	0.4%
8.6%	49.7	49.9	0.3	0.5%
9.9%	49.5	49.9	0.3	0.7%
11.1%	49.5	49.9	0.4	0.8%
12.3%	49.4	49.8	0.3	0.7%
13.6%	49.4	49.8	0.3	0.7%
14.8%	49.3	49.7	0.3	0.6%
16.0%	49.3	49.5	0.2	0.5%
17.3%	49.1	49.5	0.4	0.8%
18.5%	49.0	49.4	0.4	0.8%
19.8%	49.0	49.3	0.3	0.7%
21.0%	49.0	49.1	0.2	0.3%
22.2%	48.9	49.1	0.2	0.3%
23.5%	48.9	49.1	0.2	0.4%
24.7%	48.9	49.0	0.2	0.4%
25.9%	48.8	49.0	0.2	0.3%
27.2%	48.8	49.0	0.1	0.3%
28.4%	48.7	48.9	0.2	0.4%
29.6%	48.7	48.9	0.2	0.5%
30.9%	48.7	48.9	0.2	0.4%
32.1%	48.7	48.9	0.2	0.4%
33.3%	48.7	48.9	0.2	0.4%
34.6%	48.5	48.9	0.3	0.7%
35.8%	48.5	48.8	0.3	0.5%
37.0%	48.5	48.7	0.3	0.5%
38.3%	48.5	48.7	0.2	0.4%
39.5%	48.4	48.6	0.2	0.4%
40.7%	48.4	48.5	0.1	0.2%
42.0%	48.4	48.5	0.0	0.1%
43.2%	48.4	48.4	0.1	0.1%
44.4%	48.4	48.4	0.1	0.1%
45.7%	48.3	48.3	0.0	0.0%
46.9%	48.1	48.2	0.2	0.4%
48.1%	48.0	48.2	0.2	0.5%
49.4%	47.9	48.1	0.3	0.6%
50.6%	47.8	47.9	0.1	0.2%
51.9%	47.8	47.8	0.0	0.0%
53.1%	47.7	47.7	-0.1	-0.2%
54.3%	47.7	47.6	-0.1	-0.1%
55.6%	47.7	47.6	-0.1	-0.2%
56.8%	47.6	47.6	0.0	-0.1%
58.0%	47.6	47.5	0.0	0.0%
59.3%	47.6	47.5	0.0	-0.1%
60.5%	47.5	47.4	-0.1	-0.2%
61.7%	47.2	47.2	0.1	0.2%
63.0%	47.1	47.2	0.1	0.2%
64.2%	47.1	47.2	0.1	0.1%
65.4%	47.1	47.2	0.1	0.1%
66.7%	47.0	47.0	-0.1	-0.1%
67.9%	46.8	46.9	0.1	0.2%
69.1%	46.8	46.8	0.0	0.1%
70.4%	46.8	46.8	0.0	0.1%
71.6%	46.7	46.8	0.1	0.2%
72.8%	46.7	46.6	-0.1	-0.2%
74.1%	46.6	46.5	0.0	-0.1%
75.3%	46.5	46.4	0.0	-0.1%
76.5%	46.3	46.4	0.1	0.1%
77.8%	46.3	46.4	0.1	0.2%
79.0%	46.2	46.3	0.1	0.3%
80.2%	46.2	46.3	0.1	0.2%
81.5%	46.2	46.3	0.1	0.3%
82.7%	46.0	46.3	0.2	0.5%
84.0%	46.0	46.2	0.2	0.5%
85.2%	45.8	46.1	0.3	0.7%
86.4%	45.8	46.1	0.2	0.5%
87.7%	45.8	45.8	0.0	0.0%
88.9%	45.7	45.7	0.0	-0.1%
90.1%	45.7	45.6	0.0	-0.1%
91.4%	45.4	45.6	0.2	0.4%
92.6%	45.4	45.6	0.2	0.4%
93.8%	45.4	45.4	0.0	0.0%
95.1%	45.4	45.3	0.0	0.0%
96.3%	45.2	45.3	0.1	0.2%
97.5%	44.6	45.2	0.6	1.4%
98.8%	44.3	44.2	-0.1	-0.2%
100.0%	44.3	44.2	-0.1	-0.2%

March				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.7	52.7	0.1	0.1%
1.2%	51.0	51.2	0.2	0.4%
2.5%	50.8	50.9	0.1	0.2%
3.7%	50.7	50.7	0.1	0.1%
4.9%	50.4	50.7	0.4	0.8%
6.2%	50.3	50.7	0.3	0.7%
7.4%	50.3	50.5	0.2	0.4%
8.6%	50.2	50.3	0.1	0.2%
9.9%	50.2	50.2	-0.1	-0.1%
11.1%	50.1	50.2	0.1	0.2%
12.3%	50.0	50.2	0.2	0.4%
13.6%	49.9	50.1	0.2	0.4%
14.8%	49.8	50.0	0.2	0.4%
16.0%	49.8	50.0	0.2	0.4%
17.3%	49.7	49.9	0.2	0.5%
18.5%	49.7	49.9	0.2	0.3%
19.8%	49.7	49.8	0.1	0.3%
21.0%	49.7	49.8	0.1	0.3%
22.2%	49.6	49.8	0.2	0.4%
23.5%	49.6	49.8	0.2	0.5%
24.7%	49.5	49.8	0.3	0.7%
25.9%	49.4	49.8	0.3	0.6%
27.2%	49.4	49.7	0.3	0.6%
28.4%	49.3	49.6	0.3	0.6%
29.6%	49.3	49.5	0.2	0.4%
30.9%	49.3	49.5	0.2	0.4%
32.1%	49.3	49.3	0.1	0.1%
33.3%	49.2	49.3	0.1	0.2%
34.6%	49.2	49.2	0.0	0.0%
35.8%	49.2	49.2	-0.1	-0.1%
37.0%	49.2	49.1	-0.1	-0.1%
38.3%	48.9	49.1	0.2	0.3%
39.5%	48.9	49.0	0.0	0.1%
40.7%	48.9	48.9	0.1	0.1%
42.0%	48.7	48.9	0.3	0.5%
43.2%	48.7	48.7	0.0	0.1%
44.4%	48.5	48.6	0.0	0.1%
45.7%	48.5	48.5	0.0	0.0%
46.9%	48.5	48.3	-0.1	-0.3%
48.1%	48.4	48.3	-0.1	-0.2%
49.4%	48.4	48.3	-0.1	-0.2%
50.6%	48.3	48.2	-0.1	-0.1%
51.9%	48.3	48.2	-0.1	-0.2%
53.1%	48.2	48.1	0.0	0.0%
54.3%	48.1	48.1	0.0	0.0%
55.6%	48.1	48.1	0.0	-0.1%
56.8%	48.1	48.1	0.0	0.0%
58.0%	48.0	48.0	0.0	0.0%
59.3%	47.9	48.0	0.1	0.1%
60.5%	47.9	47.8	0.0	-0.1%
61.7%	47.8	47.8	0.0	0.0%
63.0%	47.7	47.8	0.1	0.2%
64.2%	47.5	47.5	-0.1	-0.1%
65.4%	47.5	47.4	0.0	-0.1%
66.7%	47.4	47.4	0.0	0.0%
67.9%	47.4	47.3	-0.1	-0.1%
69.1%	47.4	47.3	-0.1	-0.1%
70.4%	47.3	47.3	0.0	-0.1%
71.6%	47.1	47.2	0.1	0.2%
72.8%	47.1	47.2	0.1	0.3%
74.1%	47.1	47.2	0.1	0.2%
75.3%	47.1	47.2	0.1	0.3%
76.5%	47.0	47.1	0.1	0.1%
77.8%	46.9	47.1	0.2	0.4%
79.0%	46.8	47.0	0.2	0.5%
80.2%	46.8	46.9	0.1	0.3%
81.5%	46.6	46.8	0.2	0.5%
82.7%	46.6	46.8	0.2	0.4%
84.0%	46.5	46.7	0.2	0.5%
85.2%	46.4	46.6	0.2	0.4%
86.4%	46.4	46.5	0.1	0.3%
87.7%	46.3	46.4	0.2	0.4%
88.9%	46.2	46.4	0.2	0.4%
90.1%	46.2	46.4	0.2	0.4%
91.4%	46.2	46.3	0.1	0.3%
92.6%	46.2	46.3	0.1	0.3%
93.8%	46.1	46.3	0.1	0.3%
95.1%	46.1	46.2	0.1	0.3%
96.3%	46.0	46.1	0.1	0.2%
97.5%	45.9	46.1	0.2	0.5%
98.8%	44.7	44.7	-0.1	-0.1%
100.0%	44.7	44.7	-0.1	-0.1%

April				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.5	53.4	-0.1	-0.2%
1.2%	52.2	53.1	0.9	1.7%
2.5%	52.0	51.5	-0.5	-0.9%
3.7%	51.9	51.3	-0.6	-1.2%
4.9%	51.3	51.3	-0.1	-0.1%
6.2%	51.1	51.2	0.1	0.1%
7.4%	50.9	51.0	0.1	0.1%
8.6%	50.8	50.9	0.1	0.1%
9.9%	50.7	50.8	0.0	0.1%
11.1%	50.7	50.7	0.0	-0.1%
12.3%	50.7	50.7	0.0	0.0%
13.6%	50.5	50.7	0.1	0.2%
14.8%	50.5	50.5	0.0	0.0%
16.0%	50.5	50.5	0.0	-0.1%
17.3%	50.3	50.4	0.1	0.2%
18.5%	50.3	50.4	0.1	0.2%
19.8%	50.1	50.4	0.2	0.4%
21.0%	50.1	50.3	0.2	0.5%
22.2%	50.0	50.2	0.2	0.4%
23.5%	50.0	50.2	0.2	0.3%
24.7%	50.0	50.2	0.2	0.4%
25.9%	50.0	50.2	0.2	0.3%
27.2%	49.9	50.1	0.2	0.3%
28.4%	49.9	50.1	0.2	0.3%
29.6%	49.9	50.0	0.1	0.3%
30.9%	49.8	50.0	0.3	0.5%
32.1%	49.7	50.0	0.3	0.6%
33.3%	49.7	50.0	0.3	0.5%
34.6%	49.7	50.0	0.3	0.6%
35.8%	49.7	49.9	0.2	0.5%
37.0%	49.6	49.9	0.2	0.5%
38.3%	49.6	49.8	0.3	0.5%
39.5%	49.5	49.8	0.2	0.5%
40.7%	49.5	49.7	0.1	0.2%
42.0%	49.5	49.7	0.1	0.3%
43.2%	49.5	49.6	0.1	0.3%
44.4%	49.5	49.5	0.1	0.1%
45.7%	49.5	49.5	0.0	0.1%
46.9%	49.5	49.4	0.0	0.0%
48.1%	49.3	49.4	0.1	0.2%
49.4%	49.3	49.4	0.2	0.3%
50.6%	49.2	49.4	0.2	0.4%
51.9%	49.2	49.3	0.1	0.2%
53.1%	49.2	49.3	0.1	0.2%
54.3%	49.2	49.3	0.1	0.2%
55.6%	49.2	49.3	0.1	0.2%
56.8%	49.0	49.2	0.2	0.5%
58.0%	48.9	49.2	0.3	0.7%
59.3%	48.9	49.1	0.2	0.5%
60.5%	48.9	49.1	0.2	0.5%
61.7%	48.8	49.0	0.2	0.5%
63.0%	48.8	48.9	0.1	0.3%
64.2%	48.7	48.9	0.2	0.5%
65.4%	48.7	48.9	0.2	0.5%
66.7%	48.7	48.9	0.2	0.5%
67.9%	48.7	48.8	0.1	0.2%
69.1%	48.7	48.7	0.0	0.1%
70.4%	48.6	48.6	0.0	0.0%
71.6%	48.6	48.6	0.0	0.0%
72.8%	48.4	48.6	0.2	0.3%
74.1%	48.4	48.5	0.1	0.2%
75.3%	48.4	48.5	0.1	0.3%
76.5%	48.3	48.4	0.1	0.1%
77.8%	48.3	48.3	0.0	0.1%
79.0%	48.2	48.3	0.1	0.1%
80.2%	48.2	48.3	0.1	0.2%
81.5%	48.2	48.2	0.1	0.1%
82.7%	48.1	48.2	0.1	0.3%
84.0%	48.0	48.2	0.2	0.4%
85.2%	48.0	48.1	0.1	0.3%
86.4%	48.0	48.1	0.1	0.3%
87.7%	47.7	48.1	0.4	0.8%
88.9%	47.5	47.7	0.2	0.4%
90.1%	47.5	47.7	0.2	0.5%
91.4%	47.4	47.6	0.2	0.4%
92.6%	47.4	47.6	0.2	0.4%
93.8%	47.3	47.4	0.1	0.2%
95.1%	47.0	47.3	0.3	0.7%
96.3%	46.9	47.2	0.3	0.6%
97.5%	46.6	47.0	0.4	0.9%
98.8%	46.6	46.5	0.0	-0.1%
100.0%	46.6	46.5	0.0	-0.1%

May				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.3	55.2	-0.1	-0.1%
1.2%	55.0	55.2	0.2	0.3%
2.5%	55.0	54.9	-0.1	-0.2%
3.7%	55.0	53.8	-1.2	-2.1%
4.9%	52.9	53.2	0.4	0.7%
6.2%	52.7	53.0	0.3	0.6%
7.4%	52.2	52.2	0.0	0.0%
8.6%	52.1	52.2	0.1	0.2%
9.9%	52.0	52.1	0.1	0.3%
11.1%	52.0	52.1	0.1	0.2%
12.3%	51.6	51.8	0.3	0.5%
13.6%	51.6	51.8	0.2	0.4%
14.8%	51.4	51.6	0.3	0.5%
16.0%	51.4	51.6	0.2	0.4%
17.3%	51.3	51.5	0.2	0.4%
18.5%	51.3	51.5	0.2	0.3%
19.8%	51.3	51.5	0.2	0.4%
21.0%	51.2	51.4	0.1	0.3%
22.2%	51.1	51.4	0.3	0.6%
23.5%	51.0	51.3	0.3	0.6%
24.7%	51.0	51.3	0.3	0.6%
25.9%	50.9	51.3	0.3	0.6%
27.2%	50.9	51.2	0.3	0.5%
28.4%	50.9	51.2	0.3	0.6%
29.6%	50.9	51.2	0.3	0.6%
30.9%	50.8	51.1	0.3	0.7%
32.1%	50.8	51.1	0.3	0.6%
33.3%	50.8	51.0	0.2	0.4%
34.6%	50.7	51.0	0.3	0.6%
35.8%	50.6	50.9	0.3	0.5%
37.0%	50.6	50.8	0.2	0.4%
38.3%	50.6	50.8	0.2	0.4%
39.5%	50.5	50.8	0.2	0.4%
40.7%	50.5	50.7	0.2	0.4%
42.0%	50.5	50.7	0.2	0.4%
43.2%	50.5	50.7	0.2	0.4%
44.4%	50.4	50.7	0.3	0.6%
45.7%	50.4	50.6	0.3	0.5%
46.9%	50.3	50.6	0.4	0.7%
48.1%	50.2	50.6	0.4	0.7%
49.4%	50.1	50.5	0.4	0.8%
50.6%	50.1	50.5	0.4	0.8%
51.9%	50.1	50.5	0.4	0.8%
53.1%	50.1	50.5	0.4	0.9%
54.3%	50.1	50.5	0.4	0.8%
55.6%	50.0	50.4	0.4	0.9%
56.8%	49.8	50.4	0.6	1.1%
58.0%	49.8	50.2	0.5	1.0%
59.3%	49.7	50.1	0.4	0.8%
60.5%	49.7	50.0	0.3	0.7%
61.7%	49.7	50.0	0.3	0.7%
63.0%	49.6	50.0	0.4	0.7%
64.2%	49.6	50.0	0.4	0.7%
65.4%	49.6	50.0	0.4	0.8%
66.7%	49.6	49.9	0.3	0.6%
67.9%	49.6	49.9	0.3	0.6%
69.1%	49.5	49.8	0.4	0.7%
70.4%	49.5	49.8	0.4	0.7%
71.6%	49.4	49.8	0.4	0.8%
72.8%	49.4	49.7	0.3	0.7%
74.1%	49.4	49.7	0.3	0.7%
75.3%	49.3	49.7	0.4	0.7%
76.5%	49.3	49.6	0.3	0.6%
77.8%	49.3	49.6	0.4	0.7%
79.0%	49.2	49.6	0.4	0.8%
80.2%	49.1	49.6	0.4	0.9%
81.5%	49.1	49.5	0.5	1.0%
82.7%	49.0	49.5	0.5	0.9%
84.0%	49.0	49.5	0.5	1.0%
85.2%	49.0	49.5	0.5	0.9%
86.4%	48.8	49.4	0.6	1.2%
87.7%	48.8	49.3	0.5	1.1%
88.9%	48.6	49.2	0.6	1.2%
90.1%	48.6	49.2	0.6	1.3%
91.4%	48.4	49.0	0.6	1.1%
92.6%	48.3	49.0	0.7	1.3%
93.8%	48.3	48.9	0.6	1.2%
95.1%	48.2	48.8	0.6	1.2%
96.3%	48.2	48.7	0.5	1.0%
97.5%	48.1	48.6	0.6	1.2%
98.8%	48.0	48.1	0.1	0.2%
100.0%	48.0	48.1	0.1	0.2%

Table SQ2-1b

Sacramento River below Keswick, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.1	55.1	-1.0	-1.7%
1.2%	54.9	53.8	-1.2	-2.1%
2.5%	54.9	53.6	-1.3	-2.3%
3.7%	54.8	53.6	-1.1	-2.1%
4.9%	54.6	53.6	-1.0	-1.8%
6.2%	53.9	53.6	-0.3	-0.6%
7.4%	53.7	53.3	-0.4	-0.7%
8.6%	53.7	53.2	-0.4	-0.8%
9.9%	53.5	53.2	-0.3	-0.5%
11.1%	53.1	53.2	0.1	0.2%
12.3%	53.0	53.2	0.2	0.4%
13.6%	52.8	53.1	0.3	0.6%
14.8%	52.7	52.9	0.2	0.4%
16.0%	52.7	52.8	0.2	0.3%
17.3%	52.6	52.7	0.1	0.2%
18.5%	52.6	52.7	0.1	0.2%
19.8%	52.5	52.6	0.2	0.3%
21.0%	52.5	52.6	0.2	0.3%
22.2%	52.4	52.6	0.1	0.3%
23.5%	52.4	52.4	0.1	0.1%
24.7%	52.2	52.4	0.2	0.4%
25.9%	52.2	52.3	0.1	0.2%
27.2%	52.1	52.3	0.2	0.3%
28.4%	51.9	52.2	0.4	0.7%
29.6%	51.8	52.2	0.4	0.8%
30.9%	51.8	52.2	0.4	0.8%
32.1%	51.6	52.1	0.5	1.1%
33.3%	51.5	51.9	0.4	0.7%
34.6%	51.5	51.8	0.3	0.7%
35.8%	51.5	51.8	0.3	0.7%
37.0%	51.5	51.7	0.2	0.5%
38.3%	51.4	51.7	0.3	0.5%
39.5%	51.4	51.6	0.2	0.3%
40.7%	51.4	51.5	0.1	0.2%
42.0%	51.4	51.4	0.1	0.2%
43.2%	51.1	51.4	0.3	0.6%
44.4%	51.1	51.4	0.3	0.5%
45.7%	50.9	51.2	0.3	0.6%
46.9%	50.9	51.2	0.3	0.6%
48.1%	50.9	51.2	0.3	0.6%
49.4%	50.8	51.2	0.3	0.7%
50.6%	50.8	51.2	0.4	0.7%
51.9%	50.7	51.1	0.4	0.7%
53.1%	50.6	51.1	0.4	0.9%
54.3%	50.6	51.0	0.4	0.8%
55.6%	50.6	51.0	0.4	0.8%
56.8%	50.6	51.0	0.4	0.8%
58.0%	50.6	50.9	0.3	0.6%
59.3%	50.5	50.9	0.4	0.8%
60.5%	50.5	50.9	0.4	0.7%
61.7%	50.2	50.7	0.6	1.1%
63.0%	50.2	50.7	0.5	1.0%
64.2%	50.1	50.6	0.5	1.0%
65.4%	50.1	50.5	0.4	0.9%
66.7%	50.0	50.5	0.4	0.9%
67.9%	50.0	50.5	0.5	1.0%
69.1%	49.9	50.4	0.5	1.0%
70.4%	49.9	50.4	0.5	1.0%
71.6%	49.8	50.4	0.6	1.1%
72.8%	49.7	50.3	0.7	1.3%
74.1%	49.7	50.2	0.5	1.1%
75.3%	49.7	50.2	0.5	1.1%
76.5%	49.6	50.2	0.5	1.0%
77.8%	49.6	50.1	0.5	1.0%
79.0%	49.6	50.1	0.5	1.1%
80.2%	49.5	50.1	0.6	1.1%
81.5%	49.5	50.0	0.5	1.1%
82.7%	49.5	49.9	0.5	1.0%
84.0%	49.4	49.9	0.5	1.1%
85.2%	49.4	49.9	0.5	1.0%
86.4%	49.4	49.9	0.5	1.1%
87.7%	49.2	49.9	0.7	1.4%
88.9%	49.1	49.8	0.7	1.4%
90.1%	49.0	49.8	0.8	1.5%
91.4%	49.0	49.7	0.7	1.4%
92.6%	49.0	49.7	0.7	1.4%
93.8%	48.9	49.4	0.5	1.1%
95.1%	48.8	49.2	0.5	0.9%
96.3%	48.5	49.0	0.5	1.0%
97.5%	48.3	48.9	0.6	1.3%
98.8%	48.2	48.7	0.5	0.9%
100.0%	48.2	48.7	0.5	0.9%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	63.3	63.7	0.3	0.5%
1.2%	58.7	55.1	-3.6	-6.1%
2.5%	57.1	54.5	-2.6	-4.5%
3.7%	55.2	54.3	-0.9	-1.6%
4.9%	55.2	54.1	-1.1	-2.0%
6.2%	55.1	54.0	-1.0	-1.9%
7.4%	54.9	54.0	-0.9	-1.7%
8.6%	54.7	53.9	-0.8	-1.4%
9.9%	54.7	53.9	-0.8	-1.4%
11.1%	54.6	53.8	-0.8	-1.4%
12.3%	54.6	53.8	-0.8	-1.5%
13.6%	54.6	53.6	-1.0	-1.8%
14.8%	54.5	53.6	-0.9	-1.7%
16.0%	54.5	53.6	-0.9	-1.7%
17.3%	54.4	53.6	-0.8	-1.5%
18.5%	54.4	53.6	-0.8	-1.5%
19.8%	54.4	53.6	-0.8	-1.5%
21.0%	54.2	53.5	-0.7	-1.3%
22.2%	54.2	53.5	-0.7	-1.3%
23.5%	54.1	53.4	-0.7	-1.3%
24.7%	54.1	53.4	-0.7	-1.3%
25.9%	53.9	53.3	-0.5	-1.0%
27.2%	53.8	53.3	-0.5	-1.0%
28.4%	53.7	53.2	-0.5	-1.0%
29.6%	53.7	53.2	-0.5	-0.9%
30.9%	53.5	53.2	-0.3	-0.6%
32.1%	53.3	53.2	-0.2	-0.3%
33.3%	53.3	53.2	-0.1	-0.2%
34.6%	53.1	53.1	0.0	-0.1%
35.8%	53.1	53.0	0.0	-0.1%
37.0%	52.9	53.0	0.1	0.1%
38.3%	52.8	53.0	0.2	0.3%
39.5%	52.7	52.9	0.2	0.3%
40.7%	52.6	52.9	0.2	0.5%
42.0%	52.6	52.9	0.3	0.5%
43.2%	52.6	52.8	0.2	0.3%
44.4%	52.5	52.7	0.2	0.3%
45.7%	52.5	52.7	0.2	0.4%
46.9%	52.4	52.6	0.3	0.5%
48.1%	52.3	52.6	0.3	0.6%
49.4%	52.3	52.6	0.3	0.6%
50.6%	52.3	52.5	0.2	0.4%
51.9%	52.2	52.5	0.2	0.4%
53.1%	51.9	52.4	0.4	0.8%
54.3%	51.9	52.2	0.3	0.6%
55.6%	51.9	52.2	0.3	0.6%
56.8%	51.9	52.2	0.3	0.6%
58.0%	51.8	52.2	0.3	0.7%
59.3%	51.8	52.2	0.3	0.6%
60.5%	51.8	52.1	0.3	0.5%
61.7%	51.8	52.0	0.3	0.5%
63.0%	51.7	51.9	0.2	0.4%
64.2%	51.6	51.9	0.3	0.5%
65.4%	51.6	51.9	0.3	0.6%
66.7%	51.6	51.9	0.3	0.6%
67.9%	51.6	51.9	0.3	0.6%
69.1%	51.5	51.9	0.4	0.7%
70.4%	51.4	51.8	0.4	0.7%
71.6%	51.3	51.8	0.5	0.9%
72.8%	51.3	51.6	0.3	0.6%
74.1%	51.3	51.5	0.2	0.5%
75.3%	51.1	51.5	0.4	0.7%
76.5%	51.0	51.5	0.5	0.9%
77.8%	51.0	51.5	0.5	0.9%
79.0%	50.9	51.5	0.6	1.1%
80.2%	50.9	51.4	0.5	1.1%
81.5%	50.9	51.2	0.3	0.6%
82.7%	50.9	51.2	0.3	0.6%
84.0%	50.9	51.1	0.3	0.5%
85.2%	50.8	51.1	0.3	0.6%
86.4%	50.7	51.1	0.4	0.7%
87.7%	50.7	51.1	0.4	0.8%
88.9%	50.4	50.9	0.4	0.9%
90.1%	50.4	50.8	0.5	0.9%
91.4%	50.2	50.7	0.5	0.9%
92.6%	50.2	50.5	0.3	0.6%
93.8%	50.1	50.5	0.4	0.8%
95.1%	49.9	50.5	0.6	1.1%
96.3%	49.9	50.3	0.4	0.8%
97.5%	49.9	50.0	0.1	0.1%
98.8%	49.7	49.9	0.2	0.3%
100.0%	49.7	49.9	0.2	0.3%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.6	68.3	0.7	1.1%
1.2%	64.7	63.7	-0.9	-1.5%
2.5%	63.7	60.5	-3.2	-5.0%
3.7%	63.3	60.4	-2.9	-4.5%
4.9%	59.3	56.7	-2.6	-4.4%
6.2%	59.2	54.9	-4.3	-7.3%
7.4%	55.7	54.8	-0.8	-1.5%
8.6%	55.6	54.6	-1.0	-1.7%
9.9%	55.1	54.5	-0.6	-1.1%
11.1%	55.1	54.4	-0.6	-1.2%
12.3%	54.9	54.2	-0.7	-1.2%
13.6%	54.7	54.1	-0.6	-1.1%
14.8%	54.6	54.1	-0.5	-0.9%
16.0%	54.5	54.0	-0.5	-0.8%
17.3%	54.5	54.0	-0.5	-0.8%
18.5%	54.4	53.9	-0.5	-0.9%
19.8%	54.4	53.8	-0.5	-1.0%
21.0%	54.3	53.8	-0.5	-1.0%
22.2%	54.3	53.8	-0.5	-1.0%
23.5%	54.2	53.7	-0.6	-1.1%
24.7%	54.2	53.6	-0.5	-1.0%
25.9%	54.1	53.6	-0.5	-0.9%
27.2%	54.1	53.6	-0.5	-1.0%
28.4%	54.1	53.6	-0.5	-1.0%
29.6%	54.0	53.5	-0.4	-0.8%
30.9%	53.9	53.5	-0.4	-0.8%
32.1%	53.9	53.5	-0.4	-0.8%
33.3%	53.8	53.5	-0.4	-0.7%
34.6%	53.8	53.4	-0.4	-0.7%
35.8%	53.8	53.4	-0.4	-0.7%
37.0%	53.7	53.4	-0.4	-0.7%
38.3%	53.7	53.4	-0.4	-0.7%
39.5%	53.7	53.3	-0.3	-0.6%
40.7%	53.6	53.3	-0.3	-0.6%
42.0%	53.6	53.2	-0.4	-0.7%
43.2%	53.6	53.2	-0.4	-0.7%
44.4%	53.6	53.2	-0.4	-0.7%
45.7%	53.6	53.2	-0.4	-0.8%
46.9%	53.5	53.1	-0.4	-0.8%
48.1%	53.5	53.1	-0.4	-0.8%
49.4%	53.5	53.1	-0.4	-0.8%
50.6%	53.5	53.1	-0.4	-0.7%
51.9%	53.4	53.1	-0.4	-0.7%
53.1%	53.4	53.1	-0.4	-0.7%
54.3%	53.4	53.1	-0.4	-0.7%
55.6%	53.3	53.0	-0.3	-0.5%
56.8%	53.3	53.0	-0.3	-0.6%
58.0%	53.3	53.0	-0.3	-0.6%
59.3%	53.3	53.0	-0.3	-0.6%
60.5%	53.3	53.0	-0.3	-0.6%
61.7%	53.2	52.9	-0.3	-0.6%
63.0%	53.2	52.9	-0.3	-0.6%
64.2%	53.2	52.9	-0.3	-0.6%
65.4%	53.2	52.9	-0.3	-0.5%
66.7%	53.1	52.8	-0.3	-0.6%
67.9%	53.1	52.8	-0.3	-0.5%
69.1%	53.1	52.8	-0.2	-0.5%
70.4%	53.0	52.8	-0.2	-0.3%
71.6%	53.0	52.8	-0.2	-0.3%
72.8%	53.0	52.7	-0.2	-0.4%
74.1%	52.9	52.7	-0.2	-0.4%
75.3%	52.9	52.7	-0.2	-0.4%
76.5%	52.9	52.7	-0.2	-0.3%
77.8%	52.8	52.7	-0.2	-0.3%
79.0%	52.7	52.6	0.0	0.0%
80.2%	52.6	52.6	0.0	0.0%
81.5%	52.6	52.5	0.0	0.0%
82.7%	52.4	52.4	0.0	0.1%
84.0%	52.4	52.4	0.0	0.1%
85.2%	52.3	52.4	0.1	0.2%
86.4%	52.3	52.3	0.0	0.0%
87.7%	52.2	52.1	-0.2	-0.3%
88.9%	52.1	51.8	-0.3	-0.6%
90.1%	52.1	51.6	-0.5	-0.9%
91.4%	51.9	51.6	-0.3	-0.5%
92.6%	51.9	51.4	-0.5	-1.0%
93.8%	51.7	51.1	-0.6	-1.2%
95.1%	51.3	51.0	-0.3	-0.6%
96.3%	51.0	50.6	-0.4	-0.9%
97.5%	50.9	50.4	-0.5	-1.1%
98.8%	50.6	50.0	-0.6	-1.3%
100.0%	50.6	50.0	-0.6	-1.3%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	69.0	68.6	-0.4	-0.5%
1.2%	68.7	66.3	-2.3	-3.4%
2.5%	67.7	66.0	-1.7	-2.6%
3.7%	67.6	65.0	-2.6	-3.8%
4.9%	65.9	61.2	-4.7	-7.1%
6.2%	64.8	61.1	-3.7	-5.7%
7.4%	63.6	60.0	-3.5	-5.6%
8.6%	62.2	58.4	-3.7	-6.0%
9.9%	61.1	57.6	-3.5	-5.8%
11.1%	60.6	57.5	-3.1	-5.2%
12.3%	59.4	57.2	-2.2	-3.6%
13.6%	57.7	56.3	-1.3	-2.3%
14.8%	57.3	56.3	-0.9	-1.7%
16.0%	57.2	56.1	-1.1	-1.9%
17.3%	56.5	55.6	-0.9	-1.6%
18.5%	56.3	55.6	-0.7	-1.2%
19.8%	56.0	55.2	-0.8	-1.4%
21.0%	55.5	55.1	-0.4	-0.7%
22.2%	55.4	54.6	-0.7	-1.3%
23.5%	55.1	54.6	-0.5	-0.9%
24.7%	54.8	54.4	-0.4	-0.7%
25.9%	54.8	54.3	-0.5	-0.8%
27.2%	54.8	54.3	-0.5	-1.0%
28.4%	54.7	54.2	-0.5	-0.9%
29.6%	54.6	54.1	-0.6	-1.0%
30.9%	54.6	53.9	-0.7	-1.2%
32.1%	54.6	53.8	-0.7	-1.3%
33.3%	54.5	53.8	-0.7	-1.3%
34.6%	54.4	53.7	-0.7	-1.3%
35.8%	54.4	53.7	-0.7	-1.3%
37.0%	54.1	53.7	-0.5	-0.9%
38.3%	54.1	53.5	-0.5	-1.0%
39.5%	54.0	53.4	-0.6	-1.2%
40.7%	54.0	53.4	-0.6	-1.1%
42.0%	53.9	53.4	-0.5	-1.0%
43.2%	53.8	53.3	-0.5	-0.9%
44.4%	53.8	53.3	-0.4	-0.8%
45.7%	53.8	53.3	-0.5	-0.9%
46.9%	53.7	53.2	-0.6	-1.0%
48.1%	53.7	53.1	-0.6	-1.1%
49.4%	53.6	53.0	-0.6	-1.2%
50.6%	53.6	53.0	-0.6	-1.1%
51.9%	53.5	53.0	-0.5	-1.0%
53.1%	53.5	53.0	-0.5	-1.0%
54.3%	53.3	52.9	-0.4	-0.8%
55.6%	53.3	52.9	-0.4	-0.7%
56.8%	53.1	52.9	-0.2	-0.4%
58.0%	53.1	52.9	-0.2	-0.5%
59.3%	53.1	52.8	-0.3	-0.5%
60.5%	53.1	52.7	-0.4	-0.7%
61.7%	53.0	52.7	-0.4	-0.7%
63.0%	52.9	52.6	-0.3	-0.6%
64.2%	52.8	52.5	-0.3	-0.6%
65.4%	52.8	52.5	-0.3	-0.6%
66.7%	52.8	52.5	-0.3	-0.5%
67.9%	52.6	52.4	-0.1	-0.2%
69.1%	52.4	52.4	0.1	0.1%
70.4%	52.2	52.4	0.2	0.4%
71.6%	52.2	52.3	0.2	0.4%
72.8%	52.0	52.3	0.3	0.5%
74.1%	52.0	52.3	0.3	0.6%
75.3%	51.8	52.2	0.4	0.7%
76.5%	51.7	51.9	0.2	0.3%
77.8%	51.7	51.8	0.1	0.2%
79.0%	51.6	51.8	0.1	0.3%
80.2%	51.6	51.7	0.1	0.3%
81.5%	51.6	51.6	0.0	0.0%
82.7%	51.6	51.6	0.0	0.0%
84.0%	51.5	51.4	0.0	-0.1%
85.2%	51.4	51.2	-0.2	-0.4%
86.4%	51.3	51.1	-0.2	-0.4%
87.7%	51.3	51.1	-0.2	-0.4%
88.9%	51.2	51.0	-0.1	-0.3%
90.1%	51.2	51.0	-0.1	-0.3%
91.4%	50.9	50.9	0.0	-0.1%
92.6%	50.9	50.8	0.0	0.0%
93.8%	50.8	50.8	0.0	0.1%
95.1%	50.8	50.8	0.0	0.1%
96.3%	50.7	50.8	0.1	0.2%
97.5%	50.6	50.7	0.1	0.1%
98.8%	50.6	50.6	-0.1	-0.1%
100.0%	50.6	50.6	-0.1	-0.1%

Table SQ2-1b

Sacramento River below Keswick, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	63.2	63.3	0.0	0.1%
1.2%	61.5	60.0	-1.4	-2.3%
2.5%	61.1	58.7	-2.4	-3.8%
3.7%	60.1	58.1	-1.9	-3.2%
4.9%	59.1	55.8	-3.3	-5.5%
6.2%	57.6	55.8	-1.7	-3.0%
7.4%	56.8	55.3	-1.5	-2.6%
8.6%	56.8	54.6	-2.1	-3.8%
9.9%	56.2	54.6	-1.6	-2.9%
11.1%	55.5	54.4	-1.1	-1.9%
12.3%	55.1	54.4	-0.7	-1.3%
13.6%	54.8	54.4	-0.4	-0.8%
14.8%	54.8	54.2	-0.5	-1.0%
16.0%	54.8	54.2	-0.6	-1.1%
17.3%	54.6	54.0	-0.6	-1.2%
18.5%	54.5	53.9	-0.6	-1.1%
19.8%	54.2	53.9	-0.3	-0.6%
21.0%	54.2	53.8	-0.4	-0.7%
22.2%	54.1	53.7	-0.3	-0.6%
23.5%	54.0	53.7	-0.3	-0.6%
24.7%	53.8	53.6	-0.2	-0.3%
25.9%	53.7	53.6	-0.1	-0.1%
27.2%	53.6	53.5	-0.1	-0.3%
28.4%	53.6	53.3	-0.2	-0.4%
29.6%	53.5	53.3	-0.2	-0.4%
30.9%	53.4	53.3	-0.2	-0.3%
32.1%	53.2	53.1	-0.1	-0.2%
33.3%	53.2	53.0	-0.2	-0.4%
34.6%	53.1	52.9	-0.3	-0.5%
35.8%	53.1	52.9	-0.2	-0.5%
37.0%	52.9	52.8	0.0	0.0%
38.3%	52.8	52.8	-0.1	-0.1%
39.5%	52.8	52.8	0.0	-0.1%
40.7%	52.7	52.7	-0.1	-0.1%
42.0%	52.7	52.7	-0.1	-0.1%
43.2%	52.7	52.6	-0.1	-0.1%
44.4%	52.7	52.6	-0.1	-0.2%
45.7%	52.6	52.6	0.0	-0.1%
46.9%	52.6	52.5	-0.1	-0.2%
48.1%	52.6	52.5	-0.1	-0.2%
49.4%	52.6	52.5	-0.1	-0.2%
50.6%	52.5	52.4	-0.1	-0.2%
51.9%	52.5	52.3	-0.2	-0.4%
53.1%	52.4	52.3	-0.1	-0.2%
54.3%	52.3	52.3	0.0	-0.1%
55.6%	52.3	52.2	-0.1	-0.1%
56.8%	52.3	52.2	-0.1	-0.1%
58.0%	52.1	52.2	0.1	0.1%
59.3%	52.1	52.2	0.0	0.1%
60.5%	52.0	52.0	0.0	0.0%
61.7%	52.0	52.0	0.0	0.1%
63.0%	52.0	52.0	0.0	0.1%
64.2%	52.0	51.9	0.0	0.0%
65.4%	51.9	51.9	0.0	0.0%
66.7%	51.8	51.9	0.1	0.2%
67.9%	51.8	51.9	0.1	0.2%
69.1%	51.8	51.9	0.1	0.2%
70.4%	51.8	51.8	0.1	0.1%
71.6%	51.7	51.8	0.1	0.2%
72.8%	51.6	51.7	0.1	0.2%
74.1%	51.5	51.7	0.2	0.4%
75.3%	51.5	51.5	0.0	0.0%
76.5%	51.5	51.5	0.0	0.0%
77.8%	51.4	51.4	0.0	0.0%
79.0%	51.4	51.4	0.0	0.1%
80.2%	51.3	51.4	0.1	0.2%
81.5%	51.3	51.4	0.1	0.2%
82.7%	51.2	51.2	0.1	0.1%
84.0%	51.1	51.2	0.1	0.2%
85.2%	51.1	51.2	0.1	0.1%
86.4%	51.0	51.2	0.2	0.3%
87.7%	50.9	51.1	0.2	0.3%
88.9%	50.9	51.0	0.2	0.3%
90.1%	50.8	51.0	0.1	0.3%
91.4%	50.7	50.9	0.2	0.4%
92.6%	50.5	50.9	0.4	0.8%
93.8%	50.5	50.9	0.4	0.8%
95.1%	50.4	50.6	0.2	0.4%
96.3%	50.3	50.6	0.3	0.6%
97.5%	50.0	50.5	0.5	0.9%
98.8%	49.9	50.2	0.3	0.6%
100.0%	49.9	50.0	0.2	0.3%

July to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	65.6	66.0	0.4	0.6%
1.2%	64.0	62.5	-1.5	-2.4%
2.5%	63.1	60.4	-2.7	-4.3%
3.7%	62.2	59.9	-2.3	-3.7%
4.9%	60.6	57.0	-3.6	-5.9%
6.2%	59.1	56.5	-2.6	-4.3%
7.4%	58.2	55.9	-2.3	-3.9%
8.6%	57.4	55.5	-1.9	-3.3%
9.9%	57.1	55.3	-1.8	-3.1%
11.1%	56.7	54.9	-1.8	-3.1%
12.3%	55.9	54.9	-1.0	-1.8%
13.6%	55.5	54.8	-0.7	-1.2%
14.8%	55.3	54.6	-0.7	-1.3%
16.0%	55.3	54.6	-0.7	-1.2%
17.3%	55.2	54.3	-0.9	-1.6%
18.5%	55.2	54.3	-0.9	-1.7%
19.8%	54.8	54.2	-0.6	-1.2%
21.0%	54.7	54.1	-0.6	-1.1%
22.2%	54.5	54.0	-0.5	-0.9%
23.5%	54.2	53.9	-0.3	-0.6%
24.7%	54.2	53.9	-0.3	-0.6%
25.9%	54.2	53.8	-0.4	-0.7%
27.2%	54.1	53.7	-0.4	-0.8%
28.4%	54.1	53.6	-0.5	-0.9%
29.6%	54.0	53.6	-0.4	-0.8%
30.9%	54.0	53.5	-0.5	-0.9%
32.1%	53.9	53.5	-0.4	-0.8%
33.3%	53.9	53.5	-0.4	-0.7%
34.6%	53.7	53.4	-0.3	-0.6%
35.8%	53.6	53.3	-0.3	-0.6%
37.0%	53.6	53.2	-0.3	-0.6%
38.3%	53.5	53.2	-0.3	-0.6%
39.5%	53.5	53.2	-0.3	-0.6%
40.7%	53.4	53.1	-0.3	-0.6%
42.0%	53.4	53.1	-0.3	-0.5%
43.2%	53.3	53.0	-0.3	-0.5%
44.4%	53.3	53.0	-0.2	-0.4%
45.7%	53.3	52.9	-0.3	-0.6%
46.9%	53.2	52.9	-0.3	-0.5%
48.1%	53.2	52.9	-0.3	-0.6%
49.4%	53.2	52.9	-0.3	-0.6%
50.6%	53.0	52.9	-0.2	-0.3%
51.9%	53.0	52.8	-0.2	-0.4%
53.1%	52.9	52.8	-0.1	-0.2%
54.3%	52.9	52.8	-0.1	-0.2%
55.6%	52.8	52.8	-0.1	-0.1%
56.8%	52.8	52.7	-0.1	-0.1%
58.0%	52.8	52.7	-0.1	-0.1%
59.3%	52.7	52.7	-0.1	-0.1%
60.5%	52.6	52.6	0.1	0.1%
61.7%	52.6	52.5	0.0	-0.1%
63.0%	52.5	52.4	0.0	-0.1%
64.2%	52.5	52.4	0.0	-0.1%
65.4%	52.4	52.4	0.0	0.0%
66.7%	52.4	52.4	0.0	0.0%
67.9%	52.4	52.4	0.0	-0.1%
69.1%	52.3	52.3	-0.1	-0.1%
70.4%	52.3	52.3	0.0	0.0%
71.6%	52.2	52.2	0.0	0.0%
72.8%	52.2	52.2	0.0	0.0%
74.1%	52.1	52.1	0.0	0.1%
75.3%	52.1	52.0	0.0	-0.1%
76.5%	52.0	51.9	-0.1	-0.2%
77.8%	51.9	51.9	0.0	0.0%
79.0%	51.9	51.8	-0.1	-0.2%
80.2%	51.9	51.8	-0.1	-0.2%
81.5%	51.9	51.7	-0.2	-0.3%
82.7%	51.8	51.7	-0.1	-0.3%
84.0%	51.8	51.6	-0.2	-0.3%
85.2%	51.7	51.6	-0.1	-0.2%
86.4%	51.5	51.6	0.1	0.2%
87.7%	51.4	51.5	0.1	0.2%
88.9%	51.3	51.5	0.2	0.3%
90.1%	51.2	51.3	0.2	0.3%
91.4%	51.1	51.2	0.1	0.1%
92.6%	51.1	51.2	0.0	0.1%
93.8%	51.0	51.1	0.1	0.2%
95.1%	51.0	51.0	0.1	0.1%
96.3%	50.7	50.9	0.2	0.4%
97.5%	50.6	50.7	0.2	0.4%
98.8%	50.4	50.7	0.2	0.5%
100.0%	50.3	50.6	0.3	0.6%

August to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.7	67.1	0.4	0.6%
1.2%	66.7	66.2	-0.5	-0.7%
2.5%	66.1	63.4	-2.7	-4.1%
3.7%	65.7	62.7	-3.0	-4.6%
4.9%	63.4	58.9	-4.5	-7.1%
6.2%	61.4	57.8	-3.5	-5.8%
7.4%	60.0	57.0	-2.9	-4.9%
8.6%	58.9	56.7	-2.2	-3.8%
9.9%	58.1	56.2	-2.0	-3.4%
11.1%	58.1	55.7	-2.4	-4.1%
12.3%	56.6	55.7	-0.9	-1.6%
13.6%	56.2	55.4	-0.8	-1.5%
14.8%	55.8	55.2	-0.6	-1.0%
16.0%	55.8	55.0	-0.8	-1.5%
17.3%	55.6	54.8	-0.8	-1.4%
18.5%	55.5	54.8	-0.7	-1.3%
19.8%	54.9	54.5	-0.4	-0.8%
21.0%	54.9	54.5	-0.4	-0.8%
22.2%	54.7	54.1	-0.6	-1.0%
23.5%	54.7	54.1	-0.6	-1.1%
24.7%	54.5	54.0	-0.5	-1.0%
25.9%	54.4	54.0	-0.4	-0.8%
27.2%	54.3	53.9	-0.4	-0.7%
28.4%	54.3	53.8	-0.4	-0.8%
29.6%	54.3	53.8	-0.5	-0.9%
30.9%	54.1	53.7	-0.4	-0.7%
32.1%	54.0	53.7	-0.4	-0.7%
33.3%	54.0	53.6	-0.5	-0.9%
34.6%	53.9	53.5	-0.4	-0.7%
35.8%	53.8	53.5	-0.3	-0.6%
37.0%	53.8	53.5	-0.3	-0.6%
38.3%	53.8	53.5	-0.3	-0.6%
39.5%	53.8	53.3	-0.5	-0.9%
40.7%	53.8	53.3	-0.5	-0.9%
42.0%	53.7	53.3	-0.5	-0.9%
43.2%	53.7	53.2	-0.5	-0.8%
44.4%	53.7	53.2	-0.5	-0.9%
45.7%	53.7	53.2	-0.5	-0.9%
46.9%	53.6	53.1	-0.5	-0.9%
48.1%	53.6	53.1	-0.5	-0.9%
49.4%	53.6	53.1	-0.5	-0.9%
50.6%	53.5	53.1	-0.4	-0.7%
51.9%	53.5	53.0	-0.4	-0.8%
53.1%	53.5	53.0	-0.5	-0.9%
54.3%	53.5	53.0	-0.5	-0.8%
55.6%	53.4	52.9	-0.5	-1.0%
56.8%	53.4	52.9	-0.5	-0.9%
58.0%	53.3	52.9	-0.4	-0.8%
59.3%	53.2	52.9	-0.3	-0.6%
60.5%	53.2	52.8	-0.3	-0.7%
61.7%	52.9	52.7	-0.2	-0.4%
63.0%	52.9	52.7	-0.2	-0.3%
64.2%	52.8	52.7	-0.1	-0.3%
65.4%	52.8	52.7	-0.1	-0.3%
66.7%	52.8	52.6	-0.2	-0.3%
67.9%	52.7	52.6	-0.2	-0.3%
69.1%	52.7	52.6	-0.1	-0.2%
70.4%	52.6	52.6	-0.1	-0.1%
71.6%	52.6	52.4	-0.2	-0.4%
72.8%	52.6	52.4	-0.2	-0.4%
74.1%	52.6	52.3	-0.3	-0.6%
75.3%	52.6	52.3	-0.3	-0.6%
76.5%	52.5	52.2	-0.4	-0.7%
77.8%	52.5	52.2	-0.3	-0.6%
79.0%	52.3	52.0	-0.3	-0.5%
80.2%	52.3	52.0	-0.3	-0.5%
81.5%	52.2	52.0	-0.3	-0.5%
82.7%	52.2	51.9	-0.3	-0.6%
84.0%	52.0	51.9	-0.1	-0.3%
85.2%	51.9	51.7	-0.2	-0.4%
86.4%	51.9	51.7	-0.2	-0.4%
87.7%	51.8	51.7	-0.1	-0.2%
88.9%	51.7	51.6	-0.1	-0.2%
90.1%	51.7	51.6	-0.1	-0.2%
91.4%	51.6	51.4	-0.2	-0.5%
92.6%	51.4	51.4	-0.1	-0.1%
93.8%	51.3	51.3	0.0	0.1%
95.1%	51.2	51.1	-0.1	-0.3%
96.3%	51.1	51.0	-0.1	-0.2%
97.5%	51.1	50.9	-0.2	-0.3%
98.8%	50.7	50.9	0.2	0.4%
100.0%	50.6	50.8	0.2	0.3%

Figure SQ3-1b
Sacramento River at Bonnyview Bridge, Monthly Temperature
Probability of Exceedance

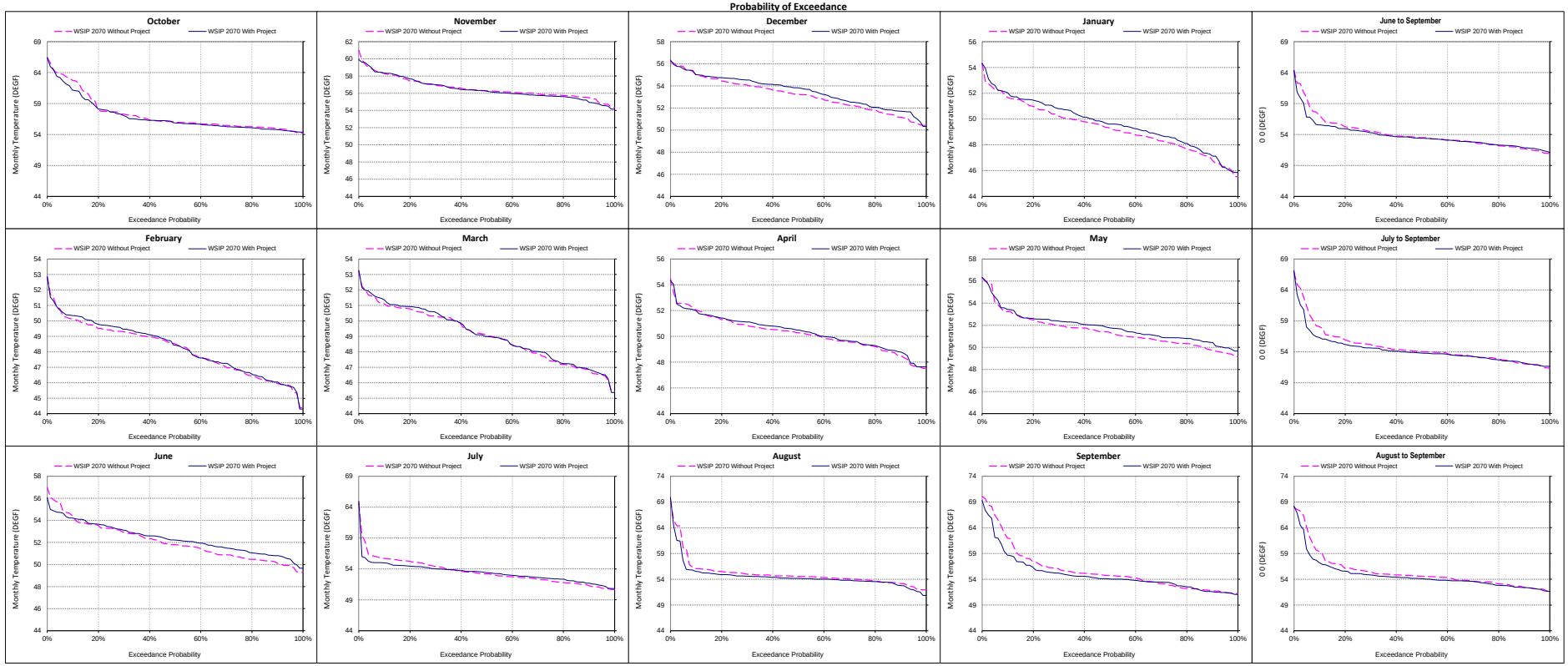


Table SQ3-1b

Sacramento River at Bonnyview Bridge, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.5	66.4	0.0	0.0%
1.2%	65.5	65.0	-0.5	-0.8%
2.5%	64.3	64.5	0.2	0.2%
3.7%	64.0	63.4	-0.6	-0.9%
4.9%	63.8	63.2	-0.6	-1.0%
6.2%	63.7	62.6	-1.1	-1.7%
7.4%	63.3	62.2	-1.1	-1.8%
8.6%	63.1	61.9	-1.2	-2.0%
9.9%	62.8	61.2	-1.6	-2.5%
11.1%	62.6	61.1	-1.6	-2.5%
12.3%	62.3	61.0	-1.3	-2.1%
13.6%	61.2	60.1	-1.1	-1.8%
14.8%	60.7	59.7	-1.1	-1.8%
16.0%	60.6	59.6	-0.9	-1.5%
17.3%	59.7	59.2	-0.5	-0.8%
18.5%	59.5	58.7	-0.8	-1.4%
19.8%	58.0	58.1	0.1	0.2%
21.0%	57.7	58.0	0.3	0.5%
22.2%	57.7	58.0	0.2	0.4%
23.5%	57.7	57.9	0.2	0.4%
24.7%	57.7	57.6	-0.1	-0.1%
25.9%	57.7	57.6	0.0	-0.1%
27.2%	57.7	57.4	-0.3	-0.5%
28.4%	57.3	57.3	0.0	0.0%
29.6%	57.3	57.1	-0.2	-0.4%
30.9%	57.2	56.9	-0.3	-0.5%
32.1%	57.1	56.6	-0.6	-1.0%
33.3%	57.1	56.5	-0.5	-0.9%
34.6%	57.1	56.5	-0.6	-1.0%
35.8%	56.8	56.4	-0.4	-0.7%
37.0%	56.7	56.4	-0.3	-0.5%
38.3%	56.6	56.4	-0.3	-0.5%
39.5%	56.4	56.3	-0.1	-0.2%
40.7%	56.3	56.3	0.0	0.1%
42.0%	56.2	56.3	0.1	0.1%
43.2%	56.2	56.3	0.1	0.1%
44.4%	56.1	56.3	0.1	0.2%
45.7%	56.1	56.3	0.1	0.2%
46.9%	56.1	56.2	0.1	0.1%
48.1%	56.1	56.1	0.1	0.1%
49.4%	56.1	55.9	-0.2	-0.3%
50.6%	56.0	55.9	-0.1	-0.2%
51.9%	55.9	55.8	-0.1	-0.2%
53.1%	55.9	55.8	-0.2	-0.3%
54.3%	55.9	55.8	-0.2	-0.3%
55.6%	55.9	55.7	-0.2	-0.3%
56.8%	55.9	55.7	-0.1	-0.3%
58.0%	55.8	55.7	-0.1	-0.3%
59.3%	55.8	55.7	-0.1	-0.2%
60.5%	55.7	55.6	-0.1	-0.2%
61.7%	55.7	55.5	-0.2	-0.3%
63.0%	55.7	55.5	-0.2	-0.3%
64.2%	55.7	55.5	-0.2	-0.3%
65.4%	55.7	55.4	-0.2	-0.4%
66.7%	55.6	55.4	-0.2	-0.4%
67.9%	55.5	55.3	-0.1	-0.3%
69.1%	55.5	55.3	-0.2	-0.3%
70.4%	55.5	55.3	-0.2	-0.4%
71.6%	55.5	55.2	-0.2	-0.4%
72.8%	55.4	55.2	-0.2	-0.4%
74.1%	55.3	55.2	-0.2	-0.3%
75.3%	55.3	55.2	-0.1	-0.2%
76.5%	55.3	55.2	-0.1	-0.2%
77.8%	55.3	55.1	-0.2	-0.3%
79.0%	55.3	55.1	-0.2	-0.3%
80.2%	55.3	55.1	-0.2	-0.3%
81.5%	55.2	55.1	-0.2	-0.3%
82.7%	55.2	55.0	-0.2	-0.3%
84.0%	55.2	54.9	-0.3	-0.6%
85.2%	55.1	54.9	-0.2	-0.4%
86.4%	55.1	54.9	-0.3	-0.5%
87.7%	55.1	54.8	-0.2	-0.4%
88.9%	55.0	54.8	-0.2	-0.3%
90.1%	54.9	54.8	-0.1	-0.3%
91.4%	54.9	54.8	-0.2	-0.3%
92.6%	54.8	54.7	-0.2	-0.4%
93.8%	54.8	54.6	-0.2	-0.4%
95.1%	54.5	54.5	0.0	0.0%
96.3%	54.5	54.5	0.0	0.1%
97.5%	54.3	54.4	0.1	0.2%
98.8%	54.2	54.4	0.2	0.3%
100.0%	54.2	54.4	0.0	0.3%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.0	59.9	-1.1	-1.8%
1.2%	59.9	59.6	-0.3	-0.5%
2.5%	59.4	59.6	0.2	0.3%
3.7%	59.0	59.3	0.3	0.5%
4.9%	58.9	59.0	0.1	0.2%
6.2%	58.7	58.5	-0.2	-0.3%
7.4%	58.5	58.5	0.0	0.0%
8.6%	58.4	58.5	0.0	0.1%
9.9%	58.3	58.3	0.0	0.1%
11.1%	58.2	58.3	0.1	0.2%
12.3%	58.2	58.3	0.1	0.2%
13.6%	58.1	58.2	0.1	0.2%
14.8%	58.1	58.1	0.0	0.0%
16.0%	57.8	58.0	0.1	0.2%
17.3%	57.7	57.9	0.2	0.4%
18.5%	57.7	57.8	0.2	0.3%
19.8%	57.5	57.7	0.2	0.4%
21.0%	57.5	57.6	0.2	0.3%
22.2%	57.4	57.4	0.0	0.0%
23.5%	57.4	57.3	-0.1	-0.1%
24.7%	57.2	57.2	0.0	0.0%
25.9%	57.1	57.1	0.0	0.0%
27.2%	57.0	57.1	0.1	0.1%
28.4%	57.0	57.1	0.1	0.1%
29.6%	57.0	57.0	0.0	0.0%
30.9%	56.9	57.0	0.1	0.2%
32.1%	56.9	57.0	0.1	0.2%
33.3%	56.8	56.9	0.1	0.1%
34.6%	56.7	56.7	0.0	0.0%
35.8%	56.7	56.6	-0.1	-0.2%
37.0%	56.7	56.6	-0.1	-0.2%
38.3%	56.6	56.6	-0.1	-0.1%
39.5%	56.6	56.5	-0.2	-0.3%
40.7%	56.5	56.4	-0.1	-0.2%
42.0%	56.5	56.4	-0.1	-0.2%
43.2%	56.4	56.4	0.0	-0.1%
44.4%	56.4	56.4	0.0	0.0%
45.7%	56.4	56.3	-0.1	-0.1%
46.9%	56.3	56.3	0.0	0.0%
48.1%	56.3	56.3	0.0	0.1%
49.4%	56.3	56.3	0.0	0.0%
50.6%	56.3	56.2	-0.1	-0.1%
51.9%	56.3	56.1	-0.1	-0.2%
53.1%	56.2	56.1	-0.1	-0.2%
54.3%	56.2	56.1	-0.1	-0.2%
55.6%	56.2	56.0	-0.1	-0.3%
56.8%	56.2	56.0	-0.1	-0.2%
58.0%	56.2	56.0	-0.1	-0.2%
59.3%	56.2	56.0	-0.2	-0.3%
60.5%	56.1	56.0	-0.1	-0.2%
61.7%	56.1	56.0	-0.1	-0.2%
63.0%	56.1	55.9	-0.1	-0.3%
64.2%	56.1	55.9	-0.2	-0.3%
65.4%	56.0	55.9	-0.1	-0.3%
66.7%	56.0	55.8	-0.2	-0.4%
67.9%	56.0	55.8	-0.2	-0.4%
69.1%	56.0	55.8	-0.2	-0.4%
70.4%	55.9	55.7	-0.1	-0.3%
71.6%	55.9	55.7	-0.1	-0.2%
72.8%	55.8	55.7	-0.1	-0.2%
74.1%	55.8	55.7	-0.1	-0.2%
75.3%	55.8	55.7	-0.1	-0.2%
76.5%	55.8	55.7	-0.1	-0.2%
77.8%	55.8	55.6	-0.1	-0.2%
79.0%	55.8	55.6	-0.2	-0.3%
80.2%	55.7	55.6	-0.1	-0.2%
81.5%	55.7	55.5	-0.2	-0.3%
82.7%	55.7	55.5	-0.2	-0.3%
84.0%	55.7	55.5	-0.2	-0.4%
85.2%	55.6	55.4	-0.2	-0.4%
86.4%	55.6	55.3	-0.3	-0.5%
87.7%	55.5	55.2	-0.3	-0.6%
88.9%	55.5	55.2	-0.3	-0.6%
90.1%	55.5	54.9	-0.6	-1.0%
91.4%	55.4	54.9	-0.5	-0.9%
92.6%	55.3	54.9	-0.5	-0.9%
93.8%	54.9	54.7	-0.1	-0.3%
95.1%	54.8	54.6	-0.3	-0.5%
96.3%	54.7	54.5	-0.2	-0.3%
97.5%	54.7	54.5	-0.2	-0.4%
98.8%	54.4	54.2	-0.2	-0.3%
100.0%	54.4	54.2	-0.2	-0.3%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.2	56.3	0.1	0.2%
1.2%	56.1	55.9	-0.1	-0.2%
2.5%	55.8	55.8	-0.1	-0.1%
3.7%	55.8	55.7	-0.1	-0.1%
4.9%	55.8	55.6	-0.2	-0.3%
6.2%	55.4	55.4	0.0	0.0%
7.4%	55.4	55.4	0.0	0.0%
8.6%	55.3	55.4	0.1	0.2%
9.9%	55.0	55.0	0.0	0.0%
11.1%	54.9	55.0	0.1	0.1%
12.3%	54.9	55.0	0.1	0.1%
13.6%	54.8	54.9	0.1	0.2%
14.8%	54.7	54.9	0.1	0.2%
16.0%	54.7	54.8	0.2	0.3%
17.3%	54.7	54.8	0.2	0.3%
18.5%	54.6	54.8	0.1	0.2%
19.8%	54.4	54.7	0.3	0.5%
21.0%	54.4	54.7	0.3	0.6%
22.2%	54.3	54.7	0.4	0.7%
23.5%	54.3	54.7	0.4	0.6%
24.7%	54.2	54.7	0.4	0.8%
25.9%	54.2	54.6	0.4	0.8%
27.2%	54.1	54.6	0.4	0.8%
28.4%	54.1	54.5	0.4	0.8%
29.6%	54.1	54.5	0.4	0.8%
30.9%	54.0	54.5	0.5	0.9%
32.1%	54.0	54.4	0.4	0.8%
33.3%	53.9	54.3	0.4	0.8%
34.6%	53.9	54.2	0.3	0.6%
35.8%	53.9	54.2	0.3	0.6%
37.0%	53.8	54.2	0.4	0.7%
38.3%	53.7	54.1	0.4	0.7%
39.5%	53.7	54.1	0.5	0.9%
40.7%	53.6	54.1	0.5	1.0%
42.0%	53.5	54.1	0.5	1.0%
43.2%	53.5	54.1	0.6	1.0%
44.4%	53.5	54.0	0.5	0.9%
45.7%	53.4	53.9	0.6	1.1%
46.9%	53.4	53.9	0.5	1.0%
48.1%	53.3	53.8	0.6	1.1%
49.4%	53.2	53.8	0.6	1.1%
50.6%	53.2	53.8	0.6	1.1%
51.9%	53.2	53.7	0.5	1.0%
53.1%	53.2	53.7	0.5	0.9%
54.3%	53.1	53.7	0.6	1.1%
55.6%	53.1	53.5	0.4	0.8%
56.8%	52.9	53.5	0.6	1.1%
58.0%	52.9	53.4	0.4	0.8%
59.3%	52.8	53.3	0.4	0.8%
60.5%	52.7	53.2	0.5	1.0%
61.7%	52.7	53.1	0.4	0.8%
63.0%	52.5	53.0	0.4	0.8%
64.2%	52.5	52.9	0.4	0.8%
65.4%	52.5	52.9	0.4	0.7%
66.7%	52.5	52.7	0.3	0.5%
67.9%	52.3	52.7	0.4	0.7%
69.1%	52.3	52.6	0.3	0.7%
70.4%	52.2	52.5	0.3	0.6%
71.6%	52.2	52.5	0.3	0.6%
72.8%	52.1	52.5	0.3	0.6%
74.1%	52.1	52.5	0.4	0.7%
75.3%	51.9	52.4	0.4	0.8%
76.5%	51.9	52.3	0.4	0.8%
77.8%	51.8	52.1	0.3	0.6%
79.0%	51.8	52.1	0.3	0.5%
80.2%	51.8	52.1	0.3	0.5%
81.5%	51.6	52.0	0.4	0.8%
82.7%	51.6	51.9	0.3	0.7%
84.0%	51.5	51.9	0.4	0.7%
85.2%	51.4	51.8	0.4	0.8%
86.4%	51.4	51.8	0.4	0.8%
87.7%	51.3	51.7	0.4	0.8%
88.9%	51.2	51.7	0.6	1.1%
90.1%	51.2	51.7	0.5	1.0%
91.4%	51.1	51.7	0.6	1.1%
92.6%	51.1	51.6	0.6	1.1%
93.8%	50.8	51.6	0.9	1.8%
95.1%	50.7	51.2	0.5	1.0%
96.3%	50.6	51.0	0.4	0.8%
97.5%	50.5	50.8	0.3	0.6%
98.8%	50.4	50.3	-0.1	-0.2%
100.0%	50.4	50.3	-0.1	-0.2%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.3	54.3	0.0	0.0%
1.2%	52.9	54.0	1.0	2.0%
2.5%	52.7	53.1	0.4	0.7%
3.7%	52.5	52.8	0.2	0.4%
4.9%	52.3	52.6	0.3	0.6%
6.2%	52.2	52.2	0.0	0.0%
7.4%	52.2	52.2	0.0	0.0%
8.6%	51.9	52.1	0.2	0.4%
9.9%	51.7	52.1	0.4	0.7%
11.1%	51.6	51.8	0.2	0.4%
12.3%	51.6	51.7	0.1	0.3%
13.6%	51.5	51.7	0.2	0.4%
14.8%	51.5	51.6	0.1	0.1%
16.0%	51.4	51.5	0.2	0.3%
17.3%	51.2	51.5	0.3	0.6%
18.5%	51.0	51.5	0.5	0.9%
19.8%	51.0	51.5	0.5	0.9%
21.0%	50.9	51.4	0.5	1.0%
22.2%	50.7	51.3	0.6	1.2%
23.5%	50.7	51.2	0.5	1.0%
24.7%	50.7	51.1	0.4	0.7%
25.9%	50.6	51.1	0.5	0.9%
27.2%	50.4	51.0	0.6	1.3%
28.4%	50.4	50.9	0.5	1.0%
29.6%	50.3	50.8	0.6	1.1%
30.9%	50.2	50.8	0.6	1.3%
32.1%	50.1	50.7	0.7	1.3%
33.3%	50.1	50.7	0.7	1.3%
34.6%	50.0	50.7	0.6	1.3%
35.8%	49.9	50.5	0.5	1.1%
37.0%	49.9	50.4	0.4	0.9%
38.3%	49.9	50.2	0.4	0.8%
39.5%	49.8	50.2	0.3	0.7%
40.7%	49.8	50.1	0.4	0.8%
42.0%	49.7	50.0	0.3	0.7%
43.2%	49.7	50.0	0.3	0.6%
44.4%	49.6	49.9	0.2	0.5%
45.7%	49.6	49.9	0.3	0.6%
46.9%	49.5	49.8	0.3	0.6%
48.1%	49.4	49.7	0.3	0.7%
49.4%	49.3	49.6	0.3	0.5%
50.6%	49.2	49.6	0.4	0.8%
51.9%	49.1	49.6	0.5	0.9%
53.1%	49.1	49.6	0.5	1.0%
54.3%	49.1	49.5	0.4	0.9%
55.6%	48.9	49.4	0.5	1.0%
56.8%	48.9	49.4	0.5	1.0%
58.0%	48.9	49.4	0.5	0.9%
59.3%	48.8	49.3	0.5	1.0%
60.5%	48.7	49.2	0.5	1.0%
61.7%	48.7	49.1	0.4	0.9%
63.0%	48.7	49.1	0.4	0.9%
64.2%	48.6	49.1	0.4	0.9%
65.4%	48.6	48.9	0.3	0.7%
66.7%	48.5	48.9	0.4	0.8%
67.9%	48.4	48.8	0.4	0.8%
69.1%	48.3	48.8	0.5	1.0%
70.4%	48.3	48.7	0.4	0.8%
71.6%	48.2	48.6	0.4	0.8%
72.8%	48.2	48.6	0.5	1.0%
74.1%	48.1	48.5	0.4	0.9%
75.3%	48.1	48.5	0.5	1.0%
76.5%	47.9	48.4	0.4	0.9%
77.8%	47.9	48.3	0.4	0.8%
79.0%	47.8	48.1	0.4	0.8%
80.2%	47.6	48.1	0.5	1.0%
81.5%	47.6	47.9	0.3	0.7%
82.7%	47.5	47.9	0.3	0.7%
84.0%	47.5	47.8	0.3	0.6%
85.2%	47.3	47.6	0.3	0.6%
86.4%	47.2	47.4	0.2	0.3%
87.7%	47.1	47.4	0.2	0.5%
88.9%	47.1	47.3	0.2	0.5%
90.1%	46.8	47.1	0.3	0.7%
91.4%	46.6	47.1	0.6	1.2%
92.6%	46.5	46.7	0.2	0.4%
93.8%	46.3	46.3	-0.1	-0.2%
95.1%	46.3	46.2	0.0	-0.1%
96.3%	46.2	46.1	-0.2	-0.3%
97.5%	46.0	45.9	-0.1	-0.2%
98.8%	45.5	45.9	0.3	0.7%
100.0%	45.5	45.9	0.3	0.7%

Table SQ3-1b

Sacramento River at Bonnyview Bridge, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.9	52.9	0.0	0.0%
1.2%	51.7	51.5	-0.2	-0.3%
2.5%	51.5	51.3	-0.2	-0.4%
3.7%	50.9	50.9	0.0	0.0%
4.9%	50.8	50.7	-0.1	-0.2%
6.2%	50.3	50.5	0.2	0.5%
7.4%	50.2	50.4	0.2	0.3%
8.6%	50.2	50.4	0.2	0.4%
9.9%	50.1	50.3	0.2	0.4%
11.1%	50.1	50.3	0.3	0.5%
12.3%	50.0	50.3	0.3	0.6%
13.6%	49.9	50.2	0.4	0.7%
14.8%	49.9	50.1	0.2	0.5%
16.0%	49.7	50.1	0.3	0.6%
17.3%	49.7	50.0	0.3	0.6%
18.5%	49.7	49.9	0.2	0.3%
19.8%	49.5	49.8	0.3	0.6%
21.0%	49.5	49.7	0.2	0.5%
22.2%	49.4	49.7	0.3	0.6%
23.5%	49.4	49.7	0.3	0.6%
24.7%	49.4	49.7	0.3	0.5%
25.9%	49.3	49.6	0.3	0.6%
27.2%	49.3	49.6	0.3	0.6%
28.4%	49.3	49.6	0.3	0.5%
29.6%	49.3	49.5	0.2	0.3%
30.9%	49.3	49.5	0.2	0.4%
32.1%	49.2	49.4	0.2	0.4%
33.3%	49.2	49.4	0.2	0.4%
34.6%	49.1	49.3	0.1	0.3%
35.8%	49.1	49.2	0.2	0.3%
37.0%	49.0	49.2	0.2	0.4%
38.3%	49.0	49.2	0.2	0.4%
39.5%	49.0	49.1	0.1	0.3%
40.7%	49.0	49.1	0.1	0.2%
42.0%	48.9	49.0	0.1	0.2%
43.2%	48.9	49.0	0.1	0.3%
44.4%	48.8	48.9	0.1	0.2%
45.7%	48.8	48.8	0.1	0.2%
46.9%	48.6	48.7	0.1	0.2%
48.1%	48.6	48.7	0.1	0.3%
49.4%	48.6	48.5	-0.1	-0.2%
50.6%	48.5	48.4	-0.1	-0.1%
51.9%	48.4	48.4	0.0	0.0%
53.1%	48.3	48.2	-0.1	-0.2%
54.3%	48.3	48.2	-0.1	-0.2%
55.6%	48.1	48.1	0.0	-0.1%
56.8%	47.8	47.8	0.0	0.1%
58.0%	47.8	47.7	-0.1	-0.1%
59.3%	47.7	47.6	0.0	-0.1%
60.5%	47.6	47.6	0.0	0.0%
61.7%	47.6	47.5	0.0	-0.1%
63.0%	47.5	47.4	-0.1	-0.2%
64.2%	47.5	47.4	-0.1	-0.2%
65.4%	47.3	47.4	0.0	0.0%
66.7%	47.2	47.4	0.1	0.2%
67.9%	47.2	47.3	0.1	0.2%
69.1%	47.1	47.3	0.2	0.4%
70.4%	47.0	47.2	0.3	0.6%
71.6%	47.0	47.1	0.2	0.3%
72.8%	46.9	47.0	0.1	0.2%
74.1%	46.8	46.9	0.1	0.1%
75.3%	46.8	46.8	0.0	0.0%
76.5%	46.7	46.7	0.0	0.1%
77.8%	46.5	46.7	0.1	0.3%
79.0%	46.5	46.7	0.2	0.4%
80.2%	46.4	46.5	0.1	0.3%
81.5%	46.4	46.5	0.1	0.2%
82.7%	46.3	46.4	0.2	0.3%
84.0%	46.2	46.4	0.2	0.4%
85.2%	46.1	46.2	0.1	0.2%
86.4%	46.1	46.1	0.0	0.0%
87.7%	46.1	46.1	0.0	0.0%
88.9%	46.0	46.1	0.0	0.1%
90.1%	45.9	46.0	0.1	0.2%
91.4%	45.9	45.9	0.0	0.0%
92.6%	45.9	45.9	0.0	0.0%
93.8%	45.9	45.8	-0.1	-0.1%
95.1%	45.8	45.7	-0.1	-0.1%
96.3%	45.4	45.7	0.3	0.7%
97.5%	45.3	45.4	0.0	0.1%
98.8%	44.4	44.3	-0.1	-0.2%
100.0%	44.4	44.3	-0.1	-0.2%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.2	53.3	0.1	0.1%
1.2%	52.2	52.1	-0.1	-0.2%
2.5%	52.0	52.0	0.0	0.0%
3.7%	51.7	51.9	0.3	0.5%
4.9%	51.6	51.8	0.2	0.3%
6.2%	51.6	51.6	0.0	0.0%
7.4%	51.3	51.5	0.3	0.5%
8.6%	51.1	51.5	0.4	0.7%
9.9%	51.1	51.4	0.2	0.5%
11.1%	51.0	51.2	0.2	0.4%
12.3%	50.9	51.1	0.1	0.2%
13.6%	50.9	51.0	0.1	0.2%
14.8%	50.9	51.0	0.1	0.3%
16.0%	50.8	50.9	0.1	0.2%
17.3%	50.8	50.9	0.1	0.2%
18.5%	50.8	50.9	0.1	0.2%
19.8%	50.8	50.9	0.1	0.3%
21.0%	50.7	50.9	0.2	0.4%
22.2%	50.6	50.9	0.3	0.5%
23.5%	50.6	50.9	0.3	0.5%
24.7%	50.6	50.8	0.2	0.4%
25.9%	50.5	50.8	0.2	0.4%
27.2%	50.3	50.6	0.3	0.5%
28.4%	50.3	50.6	0.3	0.6%
29.6%	50.3	50.6	0.3	0.5%
30.9%	50.2	50.5	0.2	0.5%
32.1%	50.2	50.3	0.1	0.2%
33.3%	50.2	50.2	0.0	0.0%
34.6%	50.2	50.1	-0.2	-0.3%
35.8%	50.2	50.1	-0.1	-0.3%
37.0%	50.0	50.0	0.0	0.0%
38.3%	49.9	50.0	0.1	0.2%
39.5%	49.9	49.9	0.0	0.1%
40.7%	49.6	49.8	0.2	0.3%
42.0%	49.4	49.5	0.0	0.0%
43.2%	49.4	49.4	0.0	0.0%
44.4%	49.3	49.3	0.0	0.0%
45.7%	49.2	49.1	-0.1	-0.2%
46.9%	49.2	49.1	-0.1	-0.2%
48.1%	49.2	49.1	-0.1	-0.1%
49.4%	49.1	49.0	-0.1	-0.3%
50.6%	49.0	49.0	0.0	-0.1%
51.9%	49.0	49.0	0.0	-0.1%
53.1%	48.9	48.9	0.0	0.0%
54.3%	48.9	48.9	0.0	0.0%
55.6%	48.9	48.8	0.0	-0.1%
56.8%	48.8	48.8	0.0	0.1%
58.0%	48.7	48.8	0.0	0.0%
59.3%	48.5	48.5	0.0	0.0%
60.5%	48.4	48.4	0.0	0.0%
61.7%	48.3	48.3	0.0	0.0%
63.0%	48.3	48.3	0.0	0.0%
64.2%	48.2	48.2	0.0	0.0%
65.4%	48.1	48.2	0.1	0.2%
66.7%	48.1	48.2	0.1	0.2%
67.9%	47.9	48.0	0.1	0.2%
69.1%	47.9	48.0	0.1	0.2%
70.4%	47.9	48.0	0.1	0.2%
71.6%	47.7	48.0	0.3	0.5%
72.8%	47.7	48.0	0.3	0.6%
74.1%	47.4	47.8	0.4	0.7%
75.3%	47.4	47.5	0.1	0.3%
76.5%	47.4	47.5	0.1	0.1%
77.8%	47.3	47.4	0.1	0.2%
79.0%	47.2	47.3	0.1	0.2%
80.2%	47.2	47.2	0.1	0.1%
81.5%	47.2	47.2	0.1	0.2%
82.7%	47.1	47.2	0.1	0.2%
84.0%	47.1	47.2	0.1	0.2%
85.2%	46.9	47.0	0.0	0.1%
86.4%	46.9	47.0	0.0	0.1%
87.7%	46.9	47.0	0.0	0.1%
88.9%	46.9	46.9	0.1	0.2%
90.1%	46.9	46.9	0.0	0.0%
91.4%	46.6	46.8	0.2	0.4%
92.6%	46.6	46.7	0.1	0.3%
93.8%	46.5	46.6	0.1	0.2%
95.1%	46.5	46.5	0.0	0.1%
96.3%	46.4	46.5	0.1	0.2%
97.5%	46.1	46.3	0.1	0.2%
98.8%	45.4	45.4	-0.1	-0.2%
100.0%	45.4	45.4	-0.1	-0.2%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.5	54.3	-0.2	-0.3%
1.2%	53.4	54.0	0.6	1.2%
2.5%	52.6	52.5	-0.1	-0.1%
3.7%	52.6	52.4	-0.2	-0.3%
4.9%	52.5	52.2	-0.3	-0.7%
6.2%	52.5	52.1	-0.4	-0.7%
7.4%	52.4	52.1	-0.3	-0.6%
8.6%	52.2	52.1	-0.1	-0.3%
9.9%	52.1	52.0	-0.1	-0.1%
11.1%	52.0	51.8	-0.2	-0.4%
12.3%	51.9	51.7	-0.2	-0.3%
13.6%	51.7	51.7	0.0	-0.1%
14.8%	51.6	51.7	0.1	0.2%
16.0%	51.5	51.6	0.1	0.2%
17.3%	51.5	51.5	0.1	0.1%
18.5%	51.5	51.5	0.0	0.1%
19.8%	51.3	51.4	0.1	0.2%
21.0%	51.3	51.4	0.1	0.2%
22.2%	51.3	51.3	0.0	0.1%
23.5%	51.2	51.2	0.0	0.1%
24.7%	51.0	51.2	0.2	0.4%
25.9%	51.0	51.2	0.2	0.4%
27.2%	50.9	51.2	0.2	0.4%
28.4%	50.9	51.1	0.2	0.4%
29.6%	50.9	51.1	0.2	0.4%
30.9%	50.8	51.1	0.3	0.7%
32.1%	50.8	51.1	0.3	0.6%
33.3%	50.7	51.0	0.3	0.6%
34.6%	50.7	50.9	0.2	0.4%
35.8%	50.6	50.9	0.3	0.5%
37.0%	50.6	50.9	0.3	0.6%
38.3%	50.6	50.8	0.3	0.5%
39.5%	50.5	50.8	0.3	0.5%
40.7%	50.5	50.8	0.3	0.5%
42.0%	50.5	50.8	0.3	0.5%
43.2%	50.5	50.7	0.3	0.5%
44.4%	50.4	50.6	0.2	0.4%
45.7%	50.4	50.6	0.2	0.4%
46.9%	50.4	50.6	0.2	0.5%
48.1%	50.3	50.5	0.2	0.4%
49.4%	50.3	50.5	0.2	0.4%
50.6%	50.3	50.5	0.2	0.4%
51.9%	50.2	50.4	0.2	0.3%
53.1%	50.2	50.3	0.2	0.3%
54.3%	50.1	50.3	0.2	0.4%
55.6%	50.1	50.2	0.1	0.2%
56.8%	50.1	50.2	0.1	0.1%
58.0%	50.1	50.0	-0.1	-0.1%
59.3%	49.9	50.0	0.1	0.2%
60.5%	49.8	50.0	0.2	0.3%
61.7%	49.8	49.9	0.1	0.3%
63.0%	49.8	49.9	0.2	0.3%
64.2%	49.7	49.9	0.2	0.5%
65.4%	49.7	49.8	0.1	0.2%
66.7%	49.6	49.7	0.1	0.1%
67.9%	49.6	49.7	0.1	0.1%
69.1%	49.6	49.7	0.1	0.2%
70.4%	49.5	49.6	0.1	0.2%
71.6%	49.5	49.6	0.1	0.1%
72.8%	49.5	49.6	0.1	0.2%
74.1%	49.4	49.5	0.0	0.0%
75.3%	49.3	49.4	0.1	0.1%
76.5%	49.3	49.4	0.1	0.1%
77.8%	49.3	49.3	0.0	0.1%
79.0%	49.2	49.3	0.1	0.1%
80.2%	49.2	49.3	0.1	0.2%
81.5%	49.1	49.2	0.1	0.2%
82.7%	48.9	49.1	0.2	0.4%
84.0%	48.9	49.0	0.1	0.3%
85.2%	48.8	48.9	0.2	0.3%
86.4%	48.8	48.9	0.1	0.3%
87.7%	48.7	48.9	0.2	0.3%
88.9%	48.5	48.8	0.3	0.7%
90.1%	48.5	48.8	0.3	0.6%
91.4%	48.3	48.7	0.3	0.7%
92.6%	48.2	48.5	0.3	0.6%
93.8%	47.8	47.9	0.1	0.3%
95.1%	47.7	47.9	0.2	0.4%
96.3%	47.7	47.6	0.0	0.0%
97.5%	47.6	47.6	0.0	0.0%
98.8%	47.5	47.6	0.1	0.2%
100.0%	47.5	47.6	0.1	0.2%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.3	56.3	0.0	0.0%
1.2%	56.0	56.1	0.1	0.2%
2.5%	55.8	55.7	-0.2	-0.3%
3.7%	55.7	55.0	-0.8	-1.4%
4.9%	54.1	54.6	0.5	0.9%
6.2%	53.9	54.2	0.4	0.7%
7.4%	53.5	53.6	0.0	0.1%
8.6%	53.2	53.6	0.3	0.6%
9.9%	53.2	53.4	0.2	0.4%
11.1%	53.2	53.4	0.2	0.3%
12.3%	53.0	53.3	0.3	0.6%
13.6%	53.0	52.9	0.0	-0.1%
14.8%	52.7	52.8	0.1	0.2%
16.0%	52.7	52.7	0.0	-0.1%
17.3%	52.7	52.7	0.0	-0.1%
18.5%	52.6	52.6	0.1	0.1%
19.8%	52.5	52.6	0.1	0.3%
21.0%	52.5	52.6	0.1	0.2%
22.2%	52.3	52.6	0.3	0.5%
23.5%	52.3	52.5	0.3	0.5%
24.7%	52.1	52.5	0.4	0.8%
25.9%	52.1	52.5	0.4	0.8%
27.2%	52.1	52.4	0.3	0.6%
28.4%	52.0	52.4	0.4	0.8%
29.6%	52.0	52.4	0.4	0.8%
30.9%	51.9	52.3	0.4	0.8%
32.1%	51.9	52.3	0.4	0.8%
33.3%	51.8	52.3	0.5	1.0%
34.6%	51.8	52.3	0.5	1.0%
35.8%	51.8	52.3	0.5	1.0%
37.0%	51.8	52.3	0.5	0.9%
38.3%	51.8	52.1	0.4	0.7%
39.5%	51.8	52.1	0.3	0.6%
40.7%	51.7	52.1	0.3	0.6%
42.0%	51.6	52.0	0.4	0.8%
43.2%	51.6	52.0	0.4	0.8%
44.4%	51.5	52.0	0.5	0.9%
45.7%	51.4	52.0	0.5	1.0%
46.9%	51.4	52.0	0.5	1.1%
48.1%	51.4	51.9	0.4	0.9%
49.4%	51.4	51.8	0.4	0.8%
50.6%	51.3	51.8	0.5	0.9%
51.9%	51.2	51.7	0.5	1.0%
53.1%	51.1	51.7	0.6	1.2%
54.3%	51.1	51.7	0.6	1.2%
55.6%	51.0	51.5	0.5	1.1%
56.8%	51.0	51.4	0.4	0.9%
58.0%	51.0	51.4	0.4	0.9%
59.3%	50.9	51.4	0.4	0.9%
60.5%	50.9	51.3	0.4	0.7%
61.7%	50.9	51.3	0.4	0.7%
63.0%	50.8	51.2	0.3	0.7%
64.2%	50.8	51.2	0.4	0.7%
65.4%	50.8	51.2	0.4	0.7%
66.7%	50.7	51.1	0.4	0.7%
67.9%	50.7	51.1	0.4	0.8%
69.1%	50.6	51.0	0.4	0.8%
70.4%	50.6	50.9	0.3	0.7%
71.6%	50.6	50.9	0.3	0.6%
72.8%	50.5	50.9	0.4	0.8%
74.1%	50.5	50.9	0.4	0.8%
75.3%	50.4	50.9	0.5	0.9%
76.5%	50.4	50.9	0.5	1.0%
77.8%	50.4	50.8	0.5	1.0%
79.0%	50.4	50.8	0.5	1.0%
80.2%	50.3	50.8	0.5	1.0%
81.5%	50.3	50.8	0.5	1.0%
82.7%	50.2	50.7	0.5	1.0%
84.0%	50.2	50.7	0.5	1.0%
85.2%	50.1	50.6	0.5	1.1%
86.4%	50.1	50.5	0.4	0.9%
87.7%	49.9	50.5	0.6	1.3%
88.9%	49.8	50.5	0.7	1.4%
90.1%	49.7	50.4	0.7	1.4%
91.4%	49.7	50.1	0.5	0.9%
92.6%	49.6	50.1	0.5	0.9%
93.8%	49.5	50.0	0.5	1.0%
95.1%	49.5	50.0	0.4	0.9%
96.3%	49.4	49.9	0.5	1.1%
97.5%	49.4	49.8	0.4	0.9%
98.8%	49.2	49.7	0.5	1.0%
100.0%	49.2	49.7	0.5	1.0%

Table SQ3-1b

Sacramento River at Bonnyview Bridge, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.0	56.1	-0.9	-1.6%
1.2%	56.1	55.0	-1.1	-1.9%
2.5%	55.9	54.9	-1.0	-1.8%
3.7%	55.7	54.7	-0.9	-1.7%
4.9%	55.7	54.7	-0.9	-1.7%
6.2%	54.8	54.7	-0.1	-0.3%
7.4%	54.7	54.3	-0.4	-0.7%
8.6%	54.6	54.2	-0.4	-0.8%
9.9%	54.4	54.2	-0.2	-0.4%
11.1%	54.0	54.1	0.2	0.3%
12.3%	53.8	54.1	0.3	0.5%
13.6%	53.8	54.1	0.3	0.6%
14.8%	53.8	54.0	0.2	0.5%
16.0%	53.7	53.7	0.1	0.1%
17.3%	53.7	53.7	0.0	0.1%
18.5%	53.6	53.7	0.0	0.1%
19.8%	53.6	53.7	0.1	0.2%
21.0%	53.3	53.6	0.3	0.6%
22.2%	53.3	53.6	0.3	0.5%
23.5%	53.3	53.4	0.2	0.3%
24.7%	53.3	53.4	0.2	0.3%
25.9%	53.3	53.3	0.1	0.1%
27.2%	53.1	53.2	0.1	0.1%
28.4%	53.1	53.2	0.1	0.2%
29.6%	52.9	53.1	0.2	0.3%
30.9%	52.8	53.1	0.3	0.5%
32.1%	52.8	52.9	0.1	0.2%
33.3%	52.8	52.9	0.1	0.2%
34.6%	52.8	52.8	0.1	0.1%
35.8%	52.7	52.8	0.1	0.3%
37.0%	52.5	52.7	0.2	0.4%
38.3%	52.4	52.6	0.2	0.4%
39.5%	52.4	52.6	0.3	0.5%
40.7%	52.3	52.6	0.3	0.5%
42.0%	52.2	52.6	0.4	0.7%
43.2%	52.2	52.5	0.3	0.6%
44.4%	52.0	52.5	0.5	0.9%
45.7%	51.9	52.4	0.5	1.0%
46.9%	51.9	52.3	0.4	0.8%
48.1%	51.8	52.2	0.4	0.8%
49.4%	51.8	52.2	0.4	0.8%
50.6%	51.8	52.2	0.4	0.8%
51.9%	51.7	52.2	0.4	0.8%
53.1%	51.7	52.1	0.4	0.8%
54.3%	51.7	52.1	0.4	0.8%
55.6%	51.6	52.1	0.4	0.9%
56.8%	51.6	52.1	0.4	0.9%
58.0%	51.6	52.0	0.4	0.8%
59.3%	51.5	51.9	0.4	0.8%
60.5%	51.4	51.9	0.6	1.1%
61.7%	51.2	51.9	0.6	1.2%
63.0%	51.2	51.8	0.6	1.1%
64.2%	51.1	51.7	0.6	1.2%
65.4%	51.0	51.7	0.6	1.3%
66.7%	50.9	51.6	0.7	1.4%
67.9%	50.9	51.6	0.7	1.4%
69.1%	50.9	51.5	0.7	1.3%
70.4%	50.9	51.5	0.6	1.2%
71.6%	50.9	51.5	0.6	1.1%
72.8%	50.8	51.4	0.6	1.3%
74.1%	50.7	51.3	0.6	1.2%
75.3%	50.7	51.3	0.6	1.3%
76.5%	50.6	51.3	0.7	1.4%
77.8%	50.6	51.2	0.7	1.3%
79.0%	50.5	51.1	0.6	1.2%
80.2%	50.5	51.1	0.6	1.2%
81.5%	50.5	51.0	0.6	1.1%
82.7%	50.4	51.0	0.6	1.1%
84.0%	50.4	50.9	0.6	1.1%
85.2%	50.3	50.9	0.6	1.2%
86.4%	50.3	50.9	0.5	1.0%
87.7%	50.3	50.8	0.5	1.0%
88.9%	50.3	50.8	0.5	1.1%
90.1%	50.1	50.8	0.7	1.4%
91.4%	50.0	50.8	0.7	1.4%
92.6%	49.9	50.7	0.7	1.5%
93.8%	49.9	50.5	0.6	1.3%
95.1%	49.9	50.5	0.6	1.2%
96.3%	49.7	50.1	0.4	0.8%
97.5%	49.3	49.9	0.6	1.2%
98.8%	49.3	49.7	0.4	0.8%
100.0%	49.3	49.7	0.4	0.8%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	64.7	65.0	0.3	0.5%
1.2%	59.5	56.0	-3.5	-5.9%
2.5%	58.4	55.8	-2.6	-4.4%
3.7%	56.4	55.3	-1.1	-2.0%
4.9%	56.2	55.1	-1.1	-2.0%
6.2%	56.0	55.0	-1.0	-1.8%
7.4%	55.9	55.0	-0.9	-1.6%
8.6%	55.7	55.0	-0.7	-1.3%
9.9%	55.7	55.0	-0.7	-1.3%
11.1%	55.6	54.9	-0.7	-1.3%
12.3%	55.6	54.8	-0.8	-1.5%
13.6%	55.5	54.6	-0.9	-1.7%
14.8%	55.5	54.6	-0.9	-1.6%
16.0%	55.4	54.6	-0.8	-1.5%
17.3%	55.3	54.5	-0.8	-1.5%
18.5%	55.3	54.5	-0.8	-1.4%
19.8%	55.3	54.5	-0.8	-1.4%
21.0%	55.1	54.4	-0.7	-1.3%
22.2%	55.1	54.4	-0.7	-1.3%
23.5%	55.0	54.4	-0.6	-1.2%
24.7%	55.0	54.4	-0.6	-1.1%
25.9%	54.8	54.2	-0.6	-1.0%
27.2%	54.6	54.2	-0.4	-0.8%
28.4%	54.5	54.1	-0.5	-0.9%
29.6%	54.4	54.0	-0.4	-0.7%
30.9%	54.3	54.0	-0.3	-0.6%
32.1%	54.3	54.0	-0.3	-0.6%
33.3%	54.2	53.9	-0.2	-0.4%
34.6%	53.9	53.9	0.0	0.1%
35.8%	53.9	53.9	0.0	0.0%
37.0%	53.9	53.8	0.0	0.0%
38.3%	53.7	53.8	0.1	0.1%
39.5%	53.7	53.7	0.1	0.2%
40.7%	53.6	53.7	0.2	0.3%
42.0%	53.5	53.6	0.1	0.2%
43.2%	53.5	53.6	0.1	0.2%
44.4%	53.5	53.6	0.1	0.3%
45.7%	53.4	53.6	0.2	0.4%
46.9%	53.3	53.5	0.3	0.5%
48.1%	53.2	53.5	0.3	0.6%
49.4%	53.2	53.4	0.2	0.5%
50.6%	53.2	53.4	0.2	0.4%
51.9%	53.1	53.3	0.2	0.4%
53.1%	53.0	53.3	0.2	0.5%
54.3%	52.9	53.3	0.4	0.7%
55.6%	52.9	53.2	0.3	0.6%
56.8%	52.8	53.1	0.3	0.5%
58.0%	52.8	53.0	0.3	0.5%
59.3%	52.7	53.0	0.2	0.5%
60.5%	52.7	52.9	0.2	0.4%
61.7%	52.7	52.9	0.3	0.5%
63.0%	52.6	52.8	0.2	0.4%
64.2%	52.6	52.8	0.2	0.4%
65.4%	52.5	52.8	0.3	0.5%
66.7%	52.5	52.7	0.2	0.4%
67.9%	52.5	52.7	0.2	0.4%
69.1%	52.4	52.6	0.3	0.5%
70.4%	52.3	52.6	0.3	0.7%
71.6%	52.3	52.6	0.3	0.6%
72.8%	52.2	52.5	0.3	0.5%
74.1%	52.2	52.5	0.3	0.6%
75.3%	52.0	52.4	0.4	0.8%
76.5%	52.0	52.4	0.5	0.9%
77.8%	51.9	52.4	0.5	1.0%
79.0%	51.8	52.4	0.5	1.0%
80.2%	51.8	52.3	0.5	1.0%
81.5%	51.7	52.1	0.4	0.7%
82.7%	51.7	52.1	0.4	0.7%
84.0%	51.7	52.1	0.4	0.7%
85.2%	51.7	51.9	0.3	0.5%
86.4%	51.5	51.9	0.3	0.7%
87.7%	51.5	51.9	0.4	0.7%
88.9%	51.5	51.7	0.2	0.5%
90.1%	51.3	51.7	0.4	0.8%
91.4%	51.1	51.6	0.5	0.9%
92.6%	51.1	51.5	0.4	0.8%
93.8%	51.1	51.4	0.3	0.6%
95.1%	50.9	51.3	0.4	0.8%
96.3%	50.8	51.2	0.4	0.7%
97.5%	50.8	50.9	0.1	0.3%
98.8%	50.7	50.8	0.2	0.3%
100.0%	50.7	50.8	0.2	0.3%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	69.4	69.9	0.5	0.8%
1.2%	65.5	64.4	-1.1	-1.7%
2.5%	64.4	61.5	-2.8	-4.4%
3.7%	64.4	61.4	-2.9	-4.6%
4.9%	60.1	57.7	-2.4	-4.0%
6.2%	60.0	56.0	-4.0	-6.7%
7.4%	56.8	55.8	-1.0	-1.8%
8.6%	56.3	55.8	-0.5	-0.9%
9.9%	56.1	55.5	-0.6	-1.0%
11.1%	56.0	55.5	-0.6	-1.0%
12.3%	56.0	55.3	-0.7	-1.3%
13.6%	55.9	55.2	-0.7	-1.2%
14.8%	55.9	55.2	-0.7	-1.3%
16.0%	55.8	55.1	-0.7	-1.2%
17.3%	55.6	55.1	-0.5	-0.9%
18.5%	55.5	54.9	-0.6	-1.1%
19.8%	55.5	54.9	-0.6	-1.2%
21.0%	55.4	54.9	-0.5	-1.0%
22.2%	55.4	54.9	-0.5	-0.9%
23.5%	55.3	54.8	-0.5	-0.9%
24.7%	55.3	54.7	-0.6	-1.0%
25.9%	55.3	54.6	-0.6	-1.2%
27.2%	55.2	54.6	-0.6	-1.1%
28.4%	55.1	54.6	-0.5	-0.9%
29.6%	55.0	54.6	-0.4	-0.7%
30.9%	55.0	54.6	-0.4	-0.7%
32.1%	55.0	54.5	-0.4	-0.7%
33.3%	54.9	54.5	-0.3	-0.6%
34.6%	54.8	54.5	-0.3	-0.6%
35.8%	54.8	54.5	-0.3	-0.6%
37.0%	54.8	54.5	-0.4	-0.7%
38.3%	54.8	54.4	-0.4	-0.7%
39.5%	54.8	54.4	-0.4	-0.7%
40.7%	54.7	54.4	-0.3	-0.6%
42.0%	54.7	54.3	-0.3	-0.6%
43.2%	54.7	54.2	-0.4	-0.7%
44.4%	54.7	54.2	-0.4	-0.8%
45.7%	54.7	54.2	-0.4	-0.8%
46.9%	54.6	54.2	-0.4	-0.8%
48.1%	54.6	54.2	-0.4	-0.8%
49.4%	54.6	54.2	-0.4	-0.7%
50.6%	54.5	54.2	-0.4	-0.7%
51.9%	54.5	54.1	-0.4	-0.7%
53.1%	54.5	54.1	-0.4	-0.7%
54.3%	54.5	54.1	-0.4	-0.7%
55.6%	54.5	54.0	-0.4	-0.8%
56.8%	54.4	54.0	-0.4	-0.7%
58.0%	54.4	54.0	-0.3	-0.6%
59.3%	54.3	54.0	-0.3	-0.6%
60.5%	54.3	54.0	-0.3	-0.6%
61.7%	54.3	54.0	-0.3	-0.6%
63.0%	54.2	54.0	-0.3	-0.5%
64.2%	54.2	53.9	-0.3	-0.5%
65.4%	54.2	53.9	-0.2	-0.4%
66.7%	54.1	53.8	-0.3	-0.6%
67.9%	54.1	53.8	-0.3	-0.6%
69.1%	54.1	53.8	-0.3	-0.5%
70.4%	54.0	53.8	-0.2	-0.5%
71.6%	54.0	53.7	-0.3	-0.5%
72.8%	54.0	53.7	-0.3	-0.6%
74.1%	54.0	53.7	-0.3	-0.5%
75.3%	53.9	53.7	-0.2	-0.4%
76.5%	53.9	53.6	-0.2	-0.4%
77.8%	53.8	53.6	-0.2	-0.4%
79.0%	53.7	53.6	-0.1	-0.2%
80.2%	53.6	53.5	-0.1	-0.2%
81.5%	53.4	53.5	0.1	0.2%
82.7%	53.4	53.5	0.1	0.1%
84.0%	53.4	53.5	0.1	0.1%
85.2%	53.4	53.4	0.0	0.0%
86.4%	53.4	53.3	0.0	-0.1%
87.7%	53.4	53.1	-0.3	-0.5%
88.9%	53.2	52.8	-0.4	-0.7%
90.1%	53.2	52.8	-0.4	-0.7%
91.4%	53.1	52.7	-0.4	-0.7%
92.6%	52.9	52.3	-0.5	-1.0%
93.8%	52.6	52.0	-0.6	-1.1%
95.1%	52.5	52.0	-0.6	-1.1%
96.3%	52.0	51.6	-0.4	-0.8%
97.5%	52.0	51.5	-0.5	-0.9%
98.8%	51.9	50.9	-1.1	-2.1%
100.0%	51.9	50.9	-1.1	-2.1%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	70.1	69.3	-0.8	-1.1%
1.2%	69.6	67.4	-2.2	-3.2%
2.5%	68.4	66.5	-2.0	-2.9%
3.7%	68.1	65.9	-2.3	-3.3%
4.9%	66.5	62.1	-4.4	-6.6%
6.2%	65.6	62.0	-3.6	-5.5%
7.4%	64.4	61.0	-3.4	-5.3%
8.6%	63.0	59.4	-3.6	-5.7%
9.9%	62.0	58.7	-3.3	-5.3%
11.1%	61.9	58.6	-3.3	-5.3%
12.3%	60.3	58.4	-1.9	-3.2%
13.6%	59.0	57.4	-1.6	-2.8%
14.8%	58.6	57.4	-1.2	-2.1%
16.0%	58.5	57.3	-1.2	-2.1%
17.3%	58.1	56.7	-1.3	-2.3%
18.5%	58.0	56.7	-1.3	-2.3%
19.8%	57.4	56.4	-1.1	-1.9%
21.0%	57.3	55.8	-1.5	-2.7%
22.2%	57.0	55.7	-1.3	-2.3%
23.5%	56.6	55.7	-0.9	-1.6%
24.7%	56.6	55.5	-1.1	-2.0%
25.9%	56.3	55.4	-0.9	-1.6%
27.2%	56.2	55.3	-0.9	-1.6%
28.4%	56.1	55.2	-0.9	-1.6%
29.6%	56.1	55.2	-0.9	-1.6%
30.9%	55.8	55.1	-0.7	-1.2%
32.1%	55.6	55.0	-0.7	-1.2%
33.3%	55.6	54.8	-0.8	-1.4%
34.6%	55.5	54.7	-0.8	-1.4%
35.8%	55.3	54.6	-0.7	-1.2%
37.0%	55.2	54.6	-0.6	-1.1%
38.3%	55.2	54.6	-0.6	-1.1%
39.5%	55.2	54.6	-0.6	-1.1%
40.7%	55.2	54.6	-0.6	-1.1%
42.0%	55.1	54.5	-0.6	-1.0%
43.2%	55.0	54.3	-0.7	-1.3%
44.4%	55.0	54.3	-0.7	-1.3%
45.7%	55.0	54.1	-0.8	-1.5%
46.9%	54.8	54.1	-0.7	-1.3%
48.1%	54.7	54.1	-0.6	-1.1%
49.4%	54.7	54.1	-0.7	-1.2%
50.6%	54.7	54.0	-0.7	-1.2%
51.9%	54.7	54.0	-0.6	-1.2%
53.1%	54.6	54.0	-0.6	-1.1%
54.3%	54.6	54.0	-0.6	-1.1%
55.6%	54.5	54.0	-0.6	-1.1%
56.8%	54.5	54.0	-0.6	-1.0%
58.0%	54.4	53.8	-0.5	-1.0%
59.3%	54.3	53.8	-0.5	-0.9%
60.5%	54.2	53.7	-0.5	-0.9%
61.7%	54.0	53.7	-0.4	-0.7%
63.0%	53.7	53.6	-0.1	-0.2%
64.2%	53.5	53.6	0.1	0.1%
65.4%	53.5	53.6	0.1	0.2%
66.7%	53.5	53.5	0.0	0.1%
67.9%	53.4	53.5	0.1	0.2%
69.1%	53.1	53.5	0.3	0.6%
70.4%	53.1	53.4	0.3	0.6%
71.6%	53.1	53.4	0.3	0.6%
72.8%	52.9	53.4	0.5	1.0%
74.1%	52.8	53.2	0.4	0.8%
75.3%	52.6	53.0	0.4	0.8%
76.5%	52.5	52.7	0.2	0.4%
77.8%	52.3	52.7	0.4	0.7%
79.0%	52.2	52.6	0.4	0.7%
80.2%	52.2	52.5	0.4	0.7%
81.5%	52.2	52.5	0.4	0.7%
82.7%	52.1	52.2	0.1	0.1%
84.0%	52.1	52.2	0.0	0.1%
85.2%	52.0	51.9	-0.1	-0.2%
86.4%	51.9	51.7	-0.2	-0.4%
87.7%	51.9	51.6	-0.3	-0.6%
88.9%	51.9	51.6	-0.2	-0.5%
90.1%	51.8	51.6	-0.2	-0.4%
91.4%	51.7	51.5	-0.2	-0.5%
92.6%	51.7	51.5	-0.2	-0.4%
93.8%	51.4	51.4	0.0	0.0%
95.1%	51.4	51.4	0.0	0.0%
96.3%	51.4	51.3	0.0	-0.1%
97.5%	51.3	51.3	-0.1	-0.2%
98.8%	51.2	51.1	-0.2	-0.3%
100.0%	51.2	51.1	-0.2	-0.3%

Table SQ3-1b

Sacramento River at Bonnyview Bridge, Monthly Temperature

Probability of Exceedance

June to September				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	64.4	64.4	0.0	0.0%
1.2%	62.3	60.8	-1.5	-2.4%
2.5%	62.2	59.9	-2.3	-3.7%
3.7%	60.9	59.1	-1.8	-3.0%
4.9%	60.0	56.8	-3.1	-5.2%
6.2%	58.4	56.8	-1.6	-2.8%
7.4%	57.7	56.3	-1.5	-2.5%
8.6%	57.6	55.6	-2.0	-3.5%
9.9%	57.1	55.5	-1.6	-2.8%
11.1%	56.6	55.5	-1.0	-1.8%
12.3%	56.0	55.4	-0.6	-1.0%
13.6%	56.0	55.4	-0.6	-1.0%
14.8%	55.8	55.3	-0.6	-1.0%
16.0%	55.8	55.3	-0.5	-1.0%
17.3%	55.8	55.0	-0.8	-1.5%
18.5%	55.6	54.9	-0.6	-1.2%
19.8%	55.3	54.9	-0.4	-0.6%
21.0%	55.2	54.9	-0.3	-0.5%
22.2%	55.1	54.7	-0.4	-0.8%
23.5%	55.1	54.7	-0.4	-0.8%
24.7%	55.0	54.7	-0.3	-0.6%
25.9%	54.9	54.6	-0.3	-0.6%
27.2%	54.7	54.5	-0.2	-0.4%
28.4%	54.6	54.4	-0.2	-0.4%
29.6%	54.5	54.3	-0.2	-0.4%
30.9%	54.5	54.3	-0.2	-0.4%
32.1%	54.4	54.2	-0.3	-0.5%
33.3%	54.3	53.9	-0.4	-0.7%
34.6%	54.1	53.9	-0.2	-0.3%
35.8%	54.0	53.9	-0.2	-0.3%
37.0%	53.9	53.8	-0.1	-0.2%
38.3%	53.9	53.7	-0.1	-0.2%
39.5%	53.8	53.7	-0.1	-0.2%
40.7%	53.7	53.6	-0.1	-0.2%
42.0%	53.7	53.6	-0.1	-0.2%
43.2%	53.7	53.6	-0.1	-0.1%
44.4%	53.7	53.6	0.0	-0.1%
45.7%	53.6	53.5	-0.1	-0.2%
46.9%	53.6	53.5	-0.1	-0.3%
48.1%	53.5	53.5	-0.1	-0.2%
49.4%	53.5	53.4	-0.1	-0.2%
50.6%	53.5	53.4	-0.1	-0.2%
51.9%	53.5	53.4	-0.1	-0.2%
53.1%	53.3	53.3	0.0	0.0%
54.3%	53.3	53.3	0.0	-0.1%
55.6%	53.3	53.2	0.0	-0.1%
56.8%	53.3	53.2	0.0	-0.1%
58.0%	53.2	53.2	0.0	-0.1%
59.3%	53.1	53.1	0.0	-0.1%
60.5%	53.1	53.1	0.0	0.0%
61.7%	53.1	53.1	0.0	0.0%
63.0%	53.1	53.0	0.0	-0.1%
64.2%	53.0	52.9	-0.1	-0.2%
65.4%	52.9	52.9	-0.1	-0.1%
66.7%	52.9	52.9	-0.1	-0.1%
67.9%	52.9	52.9	0.0	-0.1%
69.1%	52.8	52.8	0.0	-0.1%
70.4%	52.7	52.8	0.0	0.1%
71.6%	52.6	52.8	0.2	0.4%
72.8%	52.5	52.7	0.2	0.3%
74.1%	52.5	52.6	0.1	0.1%
75.3%	52.5	52.5	0.0	-0.1%
76.5%	52.5	52.4	-0.1	-0.2%
77.8%	52.4	52.4	0.0	-0.1%
79.0%	52.3	52.4	0.1	0.2%
80.2%	52.2	52.3	0.1	0.2%
81.5%	52.1	52.3	0.1	0.3%
82.7%	52.1	52.2	0.1	0.2%
84.0%	52.0	52.2	0.2	0.3%
85.2%	52.0	52.2	0.2	0.3%
86.4%	52.0	52.1	0.1	0.3%
87.7%	51.8	52.0	0.2	0.5%
88.9%	51.7	51.9	0.2	0.4%
90.1%	51.7	51.8	0.1	0.3%
91.4%	51.6	51.8	0.3	0.5%
92.6%	51.5	51.8	0.3	0.5%
93.8%	51.4	51.7	0.3	0.6%
95.1%	51.4	51.6	0.3	0.5%
96.3%	51.4	51.6	0.2	0.4%
97.5%	51.0	51.4	0.4	0.7%
98.8%	51.0	51.3	0.3	0.6%
100.0%	50.9	51.1	0.2	0.4%

July to September				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.8	67.1	0.3	0.4%
1.2%	64.9	63.2	-1.6	-2.5%
2.5%	64.3	61.6	-2.7	-4.2%
3.7%	62.9	60.8	-2.1	-3.3%
4.9%	61.4	58.0	-3.4	-5.5%
6.2%	60.0	57.5	-2.5	-4.1%
7.4%	59.1	56.8	-2.3	-3.9%
8.6%	58.2	56.5	-1.8	-3.0%
9.9%	58.1	56.3	-1.7	-3.0%
11.1%	57.8	56.0	-1.8	-3.1%
12.3%	56.8	56.0	-0.7	-1.3%
13.6%	56.7	55.9	-0.8	-1.4%
14.8%	56.6	55.7	-0.9	-1.6%
16.0%	56.4	55.6	-0.8	-1.4%
17.3%	56.4	55.4	-1.0	-1.7%
18.5%	56.4	55.4	-1.0	-1.7%
19.8%	56.0	55.2	-0.8	-1.4%
21.0%	55.8	55.1	-0.7	-1.3%
22.2%	55.6	55.0	-0.6	-1.2%
23.5%	55.4	54.9	-0.5	-0.9%
24.7%	55.4	54.9	-0.5	-1.0%
25.9%	55.4	54.8	-0.5	-1.0%
27.2%	55.3	54.7	-0.6	-1.1%
28.4%	55.3	54.6	-0.6	-1.1%
29.6%	55.2	54.6	-0.6	-1.1%
30.9%	55.0	54.6	-0.4	-0.8%
32.1%	54.9	54.6	-0.3	-0.6%
33.3%	54.8	54.6	-0.3	-0.5%
34.6%	54.8	54.3	-0.5	-0.8%
35.8%	54.6	54.3	-0.4	-0.7%
37.0%	54.6	54.2	-0.4	-0.7%
38.3%	54.4	54.1	-0.3	-0.5%
39.5%	54.4	54.1	-0.3	-0.5%
40.7%	54.4	54.1	-0.3	-0.5%
42.0%	54.3	54.0	-0.3	-0.6%
43.2%	54.2	54.0	-0.3	-0.5%
44.4%	54.2	54.0	-0.3	-0.5%
45.7%	54.2	53.9	-0.3	-0.5%
46.9%	54.1	53.9	-0.2	-0.4%
48.1%	54.1	53.8	-0.3	-0.5%
49.4%	54.1	53.8	-0.3	-0.5%
50.6%	54.0	53.8	-0.2	-0.4%
51.9%	54.0	53.8	-0.2	-0.4%
53.1%	54.0	53.7	-0.2	-0.4%
54.3%	54.0	53.7	-0.2	-0.5%
55.6%	53.9	53.7	-0.2	-0.4%
56.8%	53.9	53.7	-0.2	-0.4%
58.0%	53.9	53.7	-0.2	-0.4%
59.3%	53.9	53.7	-0.2	-0.4%
60.5%	53.6	53.6	-0.1	-0.1%
61.7%	53.6	53.5	-0.1	-0.2%
63.0%	53.5	53.4	-0.1	-0.2%
64.2%	53.5	53.4	-0.1	-0.2%
65.4%	53.5	53.4	-0.1	-0.2%
66.7%	53.5	53.3	-0.1	-0.2%
67.9%	53.4	53.3	-0.1	-0.2%
69.1%	53.3	53.3	0.0	0.0%
70.4%	53.2	53.2	0.1	0.1%
71.6%	53.1	53.2	0.0	0.1%
72.8%	53.1	53.0	-0.1	-0.1%
74.1%	53.1	53.0	0.0	-0.1%
75.3%	53.1	53.0	-0.1	-0.2%
76.5%	53.1	52.9	-0.2	-0.3%
77.8%	53.0	52.8	-0.2	-0.5%
79.0%	52.9	52.7	-0.1	-0.3%
80.2%	52.8	52.7	-0.2	-0.3%
81.5%	52.7	52.5	-0.1	-0.3%
82.7%	52.6	52.5	-0.1	-0.2%
84.0%	52.6	52.5	-0.1	-0.1%
85.2%	52.5	52.5	-0.1	-0.1%
86.4%	52.3	52.5	0.2	0.3%
87.7%	52.2	52.4	0.3	0.5%
88.9%	52.1	52.3	0.1	0.2%
90.1%	52.0	52.2	0.1	0.3%
91.4%	52.0	52.0	0.1	0.1%
92.6%	52.0	52.0	0.0	0.1%
93.8%	51.9	51.9	0.0	0.0%
95.1%	51.9	51.9	0.0	0.0%
96.3%	51.7	51.8	0.1	0.1%
97.5%	51.5	51.7	0.2	0.4%
98.8%	51.4	51.7	0.3	0.5%
100.0%	51.4	51.7	0.3	0.5%

August to September				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.9	68.2	0.3	0.4%
1.2%	67.5	66.8	-0.7	-1.0%
2.5%	67.2	64.5	-2.8	-4.1%
3.7%	66.4	63.6	-2.8	-4.2%
4.9%	64.1	59.9	-4.2	-6.6%
6.2%	62.2	58.7	-3.4	-5.5%
7.4%	60.8	57.9	-2.8	-4.7%
8.6%	59.6	57.7	-2.0	-3.3%
9.9%	59.4	57.2	-2.2	-3.7%
11.1%	58.9	56.9	-2.0	-3.4%
12.3%	57.5	56.8	-0.7	-1.2%
13.6%	57.4	56.6	-0.8	-1.5%
14.8%	57.1	56.3	-0.8	-1.3%
16.0%	57.0	56.1	-1.0	-1.7%
17.3%	57.0	55.9	-1.1	-1.9%
18.5%	56.8	55.6	-1.2	-2.1%
19.8%	56.2	55.6	-0.6	-1.0%
21.0%	56.1	55.5	-0.6	-1.1%
22.2%	56.1	55.1	-1.0	-1.8%
23.5%	55.9	55.1	-0.8	-1.4%
24.7%	55.9	55.1	-0.7	-1.3%
25.9%	55.7	55.1	-0.6	-1.1%
27.2%	55.7	54.9	-0.7	-1.3%
28.4%	55.5	54.9	-0.6	-1.1%
29.6%	55.5	54.9	-0.6	-1.1%
30.9%	55.3	54.8	-0.5	-0.8%
32.1%	55.1	54.7	-0.4	-0.7%
33.3%	55.0	54.6	-0.4	-0.8%
34.6%	55.0	54.6	-0.4	-0.8%
35.8%	55.0	54.6	-0.4	-0.8%
37.0%	55.0	54.5	-0.5	-0.9%
38.3%	54.9	54.4	-0.5	-0.8%
39.5%	54.8	54.4	-0.4	-0.8%
40.7%	54.8	54.4	-0.4	-0.8%
42.0%	54.8	54.4	-0.5	-0.8%
43.2%	54.8	54.3	-0.5	-0.8%
44.4%	54.8	54.3	-0.5	-0.8%
45.7%	54.7	54.2	-0.5	-0.9%
46.9%	54.7	54.2	-0.5	-1.0%
48.1%	54.6	54.1	-0.5	-0.9%
49.4%	54.6	54.1	-0.5	-0.9%
50.6%	54.5	54.1	-0.5	-0.8%
51.9%	54.5	54.0	-0.5	-0.9%
53.1%	54.5	54.0	-0.5	-0.9%
54.3%	54.5	53.9	-0.6	-1.1%
55.6%	54.5	53.9	-0.6	-1.1%
56.8%	54.4	53.8	-0.6	-1.1%
58.0%	54.4	53.8	-0.6	-1.1%
59.3%	54.4	53.8	-0.6	-1.1%
60.5%	54.3	53.8	-0.5	-1.0%
61.7%	54.1	53.7	-0.4	-0.8%
63.0%	53.9	53.7	-0.2	-0.4%
64.2%	53.8	53.7	-0.1	-0.3%
65.4%	53.8	53.7	-0.1	-0.3%
66.7%	53.8	53.7	-0.1	-0.3%
67.9%	53.8	53.6	-0.1	-0.3%
69.1%	53.7	53.6	-0.1	-0.2%
70.4%	53.5	53.6	0.0	0.1%
71.6%	53.5	53.5	0.0	0.0%
72.8%	53.5	53.3	-0.1	-0.3%
74.1%	53.5	53.3	-0.2	-0.4%
75.3%	53.5	53.2	-0.3	-0.5%
76.5%	53.5	53.1	-0.4	-0.7%
77.8%	53.4	53.0	-0.4	-0.7%
79.0%	53.2	52.8	-0.3	-0.7%
80.2%	53.1	52.8	-0.3	-0.5%
81.5%	53.1	52.8	-0.3	-0.5%
82.7%	53.0	52.8	-0.3	-0.5%
84.0%	52.9	52.7	-0.2	-0.4%
85.2%	52.7	52.6	-0.1	-0.1%
86.4%	52.7	52.5	-0.2	-0.4%
87.7%	52.7	52.4	-0.2	-0.4%
88.9%	52.6	52.4	-0.2	-0.4%
90.1%	52.4	52.4	0.0	0.0%
91.4%	52.3	52.3	0.0	0.0%
92.6%	52.3	52.3	0.0	0.0%
93.8%	52.2	52.2	0.0	0.1%
95.1%	52.1	52.1	0.0	-0.1%
96.3%	52.1	52.1	0.0	-0.1%
97.5%	52.1	51.8	-0.3	-0.5%
98.8%	51.7	51.7	-0.1	-0.2%
100.0%	51.7	51.6	-0.1	-0.1%

Figure SQ4-1b
Sacramento River at Balls Ferry, Monthly Temperature
Probability of Exceedance

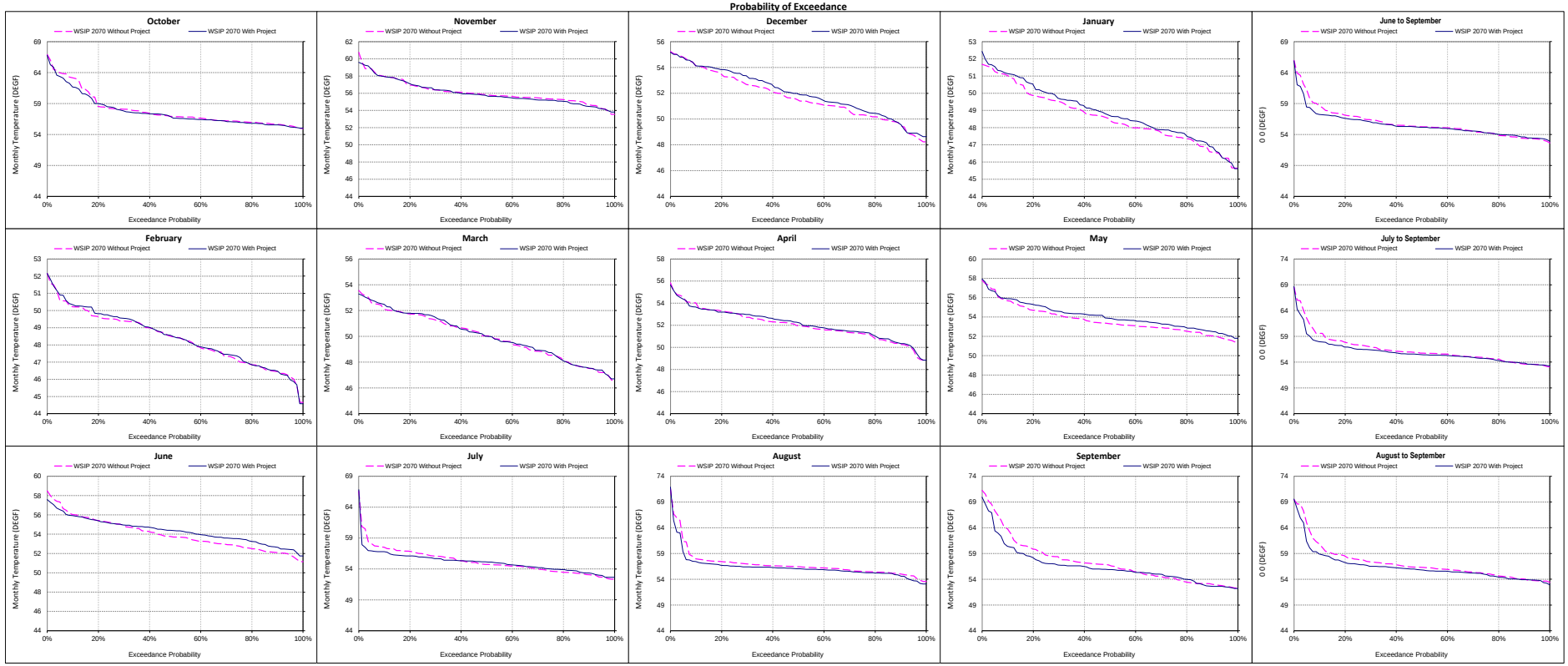


Table SQ4-1b

Sacramento River at Balls Ferry, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.9	66.8	-0.1	-0.1%
1.2%	66.0	65.3	-0.7	-1.1%
2.5%	64.5	64.9	0.4	0.6%
3.7%	64.4	63.6	-0.8	-1.2%
4.9%	64.0	63.4	-0.6	-0.9%
6.2%	63.8	63.1	-0.7	-1.1%
7.4%	63.8	62.5	-1.2	-2.0%
8.6%	63.3	62.3	-1.0	-1.6%
9.9%	63.2	61.7	-1.5	-2.3%
11.1%	63.0	61.6	-1.4	-2.3%
12.3%	62.7	61.3	-1.3	-2.1%
13.6%	61.4	60.6	-0.8	-1.2%
14.8%	61.3	60.6	-0.8	-1.3%
16.0%	60.9	60.3	-0.6	-1.0%
17.3%	60.1	59.9	-0.2	-0.4%
18.5%	60.1	59.0	-1.0	-1.7%
19.8%	58.6	59.0	0.4	0.7%
21.0%	58.5	58.9	0.5	0.8%
22.2%	58.4	58.8	0.4	0.6%
23.5%	58.2	58.5	0.3	0.5%
24.7%	58.2	58.5	0.2	0.4%
25.9%	58.2	58.3	0.2	0.3%
27.2%	58.2	58.1	-0.1	-0.1%
28.4%	58.1	58.0	-0.2	-0.3%
29.6%	58.1	57.8	-0.3	-0.5%
30.9%	58.1	57.6	-0.4	-0.7%
32.1%	58.1	57.6	-0.4	-0.8%
33.3%	57.9	57.6	-0.3	-0.6%
34.6%	57.9	57.5	-0.4	-0.6%
35.8%	57.8	57.5	-0.3	-0.6%
37.0%	57.6	57.4	-0.2	-0.3%
38.3%	57.6	57.4	-0.2	-0.3%
39.5%	57.5	57.4	-0.1	-0.2%
40.7%	57.3	57.3	0.0	0.1%
42.0%	57.2	57.3	0.1	0.1%
43.2%	57.1	57.3	0.2	0.3%
44.4%	57.1	57.3	0.2	0.3%
45.7%	57.1	57.2	0.1	0.2%
46.9%	57.0	57.1	0.1	0.1%
48.1%	56.9	56.9	0.0	-0.1%
49.4%	56.9	56.6	-0.3	-0.5%
50.6%	56.9	56.6	-0.3	-0.5%
51.9%	56.9	56.6	-0.3	-0.5%
53.1%	56.8	56.6	-0.3	-0.5%
54.3%	56.8	56.5	-0.3	-0.5%
55.6%	56.8	56.5	-0.3	-0.6%
56.8%	56.8	56.5	-0.3	-0.6%
58.0%	56.7	56.5	-0.2	-0.3%
59.3%	56.7	56.4	-0.2	-0.4%
60.5%	56.6	56.4	-0.2	-0.3%
61.7%	56.6	56.4	-0.2	-0.3%
63.0%	56.4	56.4	0.0	-0.1%
64.2%	56.4	56.4	0.0	-0.1%
65.4%	56.3	56.3	0.0	-0.1%
66.7%	56.3	56.2	0.0	0.0%
67.9%	56.2	56.2	0.0	0.0%
69.1%	56.2	56.2	0.0	-0.1%
70.4%	56.2	56.1	-0.1	-0.2%
71.6%	56.2	56.1	-0.1	-0.2%
72.8%	56.2	56.0	-0.1	-0.3%
74.1%	56.2	56.0	-0.1	-0.2%
75.3%	56.1	56.0	-0.1	-0.2%
76.5%	56.0	55.9	-0.1	-0.2%
77.8%	56.0	55.8	-0.2	-0.3%
79.0%	56.0	55.8	-0.2	-0.3%
80.2%	56.0	55.8	-0.1	-0.3%
81.5%	56.0	55.8	-0.2	-0.3%
82.7%	55.9	55.8	-0.1	-0.1%
84.0%	55.8	55.8	0.0	-0.1%
85.2%	55.8	55.6	-0.2	-0.4%
86.4%	55.8	55.6	-0.2	-0.4%
87.7%	55.7	55.6	-0.1	-0.2%
88.9%	55.7	55.6	-0.1	-0.2%
90.1%	55.6	55.5	-0.1	-0.2%
91.4%	55.6	55.5	-0.1	-0.2%
92.6%	55.5	55.5	0.0	0.0%
93.8%	55.4	55.4	-0.1	-0.1%
95.1%	55.4	55.2	-0.2	-0.4%
96.3%	55.3	55.2	-0.1	-0.2%
97.5%	55.1	55.1	0.0	0.0%
98.8%	55.0	55.1	0.1	0.1%
100.0%	55.0	55.1	0.0	0.1%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.8	59.6	-1.2	-1.9%
1.2%	59.7	59.5	-0.2	-0.4%
2.5%	58.9	59.2	0.4	0.6%
3.7%	58.8	59.2	0.3	0.6%
4.9%	58.8	58.8	0.0	-0.1%
6.2%	58.5	58.3	-0.1	-0.2%
7.4%	58.1	58.1	0.0	0.0%
8.6%	58.1	58.0	-0.1	-0.1%
9.9%	58.0	57.9	0.0	0.0%
11.1%	57.9	57.9	0.0	-0.1%
12.3%	57.8	57.8	0.0	0.0%
13.6%	57.8	57.8	0.0	0.0%
14.8%	57.7	57.7	0.0	0.0%
16.0%	57.7	57.5	-0.2	-0.3%
17.3%	57.6	57.4	-0.2	-0.3%
18.5%	57.1	57.3	0.2	0.3%
19.8%	56.9	57.2	0.2	0.4%
21.0%	56.9	57.0	0.0	0.1%
22.2%	56.8	56.9	0.1	0.2%
23.5%	56.8	56.9	0.1	0.2%
24.7%	56.7	56.7	0.0	0.0%
25.9%	56.6	56.7	0.1	0.1%
27.2%	56.5	56.6	0.2	0.3%
28.4%	56.4	56.6	0.2	0.4%
29.6%	56.4	56.4	0.0	0.0%
30.9%	56.4	56.4	0.0	0.0%
32.1%	56.3	56.4	0.0	0.1%
33.3%	56.2	56.4	0.1	0.2%
34.6%	56.2	56.3	0.1	0.3%
35.8%	56.2	56.3	0.1	0.2%
37.0%	56.1	56.1	-0.1	-0.1%
38.3%	56.1	56.1	-0.1	-0.1%
39.5%	56.1	56.0	-0.1	-0.2%
40.7%	56.1	55.9	-0.2	-0.3%
42.0%	56.0	55.9	-0.1	-0.2%
43.2%	56.0	55.9	-0.1	-0.2%
44.4%	56.0	55.9	-0.1	-0.2%
45.7%	56.0	55.9	-0.1	-0.3%
46.9%	55.9	55.9	-0.1	-0.1%
48.1%	55.9	55.8	-0.1	-0.1%
49.4%	55.9	55.8	-0.1	-0.2%
50.6%	55.8	55.7	-0.1	-0.3%
51.9%	55.7	55.6	-0.1	-0.2%
53.1%	55.7	55.6	-0.1	-0.2%
54.3%	55.7	55.6	-0.1	-0.2%
55.6%	55.7	55.6	-0.1	-0.2%
56.8%	55.7	55.5	-0.2	-0.3%
58.0%	55.7	55.5	-0.2	-0.3%
59.3%	55.7	55.5	-0.2	-0.3%
60.5%	55.6	55.4	-0.2	-0.3%
61.7%	55.5	55.4	-0.1	-0.3%
63.0%	55.5	55.4	-0.1	-0.3%
64.2%	55.5	55.4	-0.1	-0.3%
65.4%	55.5	55.4	-0.2	-0.3%
66.7%	55.5	55.3	-0.2	-0.3%
67.9%	55.5	55.3	-0.2	-0.4%
69.1%	55.5	55.3	-0.2	-0.4%
70.4%	55.5	55.2	-0.2	-0.4%
71.6%	55.4	55.2	-0.2	-0.4%
72.8%	55.4	55.2	-0.2	-0.3%
74.1%	55.4	55.2	-0.2	-0.3%
75.3%	55.3	55.2	-0.2	-0.3%
76.5%	55.3	55.2	-0.2	-0.3%
77.8%	55.3	55.1	-0.2	-0.4%
79.0%	55.3	55.1	-0.2	-0.4%
80.2%	55.3	55.1	-0.2	-0.4%
81.5%	55.2	55.0	-0.1	-0.3%
82.7%	55.1	54.9	-0.3	-0.5%
84.0%	55.1	54.8	-0.4	-0.6%
85.2%	55.1	54.8	-0.3	-0.6%
86.4%	55.0	54.7	-0.3	-0.5%
87.7%	55.0	54.6	-0.4	-0.7%
88.9%	54.7	54.5	-0.2	-0.4%
90.1%	54.7	54.5	-0.2	-0.4%
91.4%	54.6	54.4	-0.1	-0.3%
92.6%	54.6	54.4	-0.2	-0.3%
93.8%	54.4	54.3	-0.1	-0.3%
95.1%	54.2	54.2	0.0	0.0%
96.3%	54.2	54.1	0.0	-0.1%
97.5%	53.9	54.0	0.1	0.2%
98.8%	53.5	53.8	0.3	0.5%
100.0%	53.5	53.8	0.3	0.5%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.2	55.2	-0.1	-0.1%
1.2%	55.1	55.0	-0.1	-0.1%
2.5%	55.0	55.0	0.0	0.0%
3.7%	54.9	54.8	-0.1	-0.2%
4.9%	54.8	54.8	0.0	0.0%
6.2%	54.7	54.6	-0.1	-0.1%
7.4%	54.5	54.6	0.1	0.1%
8.6%	54.4	54.4	0.0	0.0%
9.9%	54.1	54.1	0.0	0.0%
11.1%	54.1	54.1	0.0	0.0%
12.3%	54.0	54.1	0.1	0.1%
13.6%	54.0	54.1	0.1	0.2%
14.8%	53.8	54.1	0.3	0.5%
16.0%	53.8	54.0	0.3	0.5%
17.3%	53.7	53.9	0.2	0.4%
18.5%	53.6	53.9	0.3	0.5%
19.8%	53.5	53.8	0.4	0.7%
21.0%	53.3	53.8	0.5	1.0%
22.2%	53.3	53.8	0.5	1.0%
23.5%	53.3	53.7	0.4	0.8%
24.7%	53.2	53.6	0.4	0.7%
25.9%	53.0	53.5	0.5	1.0%
27.2%	53.0	53.5	0.6	1.1%
28.4%	52.8	53.4	0.6	1.0%
29.6%	52.7	53.4	0.7	1.3%
30.9%	52.6	53.2	0.5	1.0%
32.1%	52.6	53.1	0.5	1.0%
33.3%	52.6	53.1	0.5	1.0%
34.6%	52.5	53.0	0.5	1.0%
35.8%	52.4	53.0	0.5	1.0%
37.0%	52.4	52.9	0.4	0.9%
38.3%	52.3	52.8	0.5	0.9%
39.5%	52.1	52.7	0.6	1.1%
40.7%	52.0	52.4	0.4	0.8%
42.0%	52.0	52.4	0.4	0.8%
43.2%	52.0	52.3	0.3	0.5%
44.4%	51.8	52.1	0.3	0.6%
45.7%	51.7	52.1	0.4	0.9%
46.9%	51.6	52.1	0.4	0.8%
48.1%	51.6	52.0	0.4	0.7%
49.4%	51.5	52.0	0.5	0.9%
50.6%	51.4	51.9	0.5	1.0%
51.9%	51.4	51.9	0.5	0.9%
53.1%	51.4	51.9	0.5	0.9%
54.3%	51.3	51.8	0.5	0.9%
55.6%	51.2	51.7	0.5	0.9%
56.8%	51.2	51.7	0.5	0.9%
58.0%	51.2	51.6	0.4	0.9%
59.3%	51.1	51.5	0.4	0.7%
60.5%	51.1	51.4	0.3	0.6%
61.7%	51.0	51.3	0.3	0.6%
63.0%	51.0	51.3	0.3	0.5%
64.2%	51.0	51.3	0.3	0.5%
65.4%	51.0	51.3	0.3	0.6%
66.7%	50.9	51.2	0.2	0.5%
67.9%	50.9	51.1	0.2	0.4%
69.1%	50.8	51.1	0.3	0.6%
70.4%	50.5	51.1	0.5	1.0%
71.6%	50.3	51.0	0.6	1.2%
72.8%	50.3	50.8	0.5	1.0%
74.1%	50.3	50.7	0.4	0.8%
75.3%	50.3	50.6	0.3	0.6%
76.5%	50.3	50.6	0.3	0.5%
77.8%	50.2	50.5	0.2	0.5%
79.0%	50.2	50.5	0.3	0.6%
80.2%	50.2	50.4	0.3	0.5%
81.5%	50.1	50.4	0.3	0.5%
82.7%	50.0	50.3	0.3	0.6%
84.0%	49.9	50.2	0.3	0.6%
85.2%	49.9	50.0	0.1	0.3%
86.4%	49.8	50.0	0.2	0.4%
87.7%	49.8	49.8	0.0	0.1%
88.9%	49.7	49.7	0.0	0.0%
90.1%	49.5	49.5	0.1	0.2%
91.4%	49.4	49.2	-0.2	-0.3%
92.6%	48.9	48.9	0.0	0.1%
93.8%	48.8	48.9	0.1	0.2%
95.1%	48.7	48.9	0.1	0.3%
96.3%	48.6	48.9	0.3	0.7%
97.5%	48.4	48.8	0.4	0.8%
98.8%	48.2	48.6	0.4	0.8%
100.0%	48.2	48.6	0.4	0.8%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	51.7	52.4	0.7	1.4%
1.2%	51.6	52.0	0.4	0.7%
2.5%	51.6	51.7	0.1	0.2%
3.7%	51.5	51.7	0.1	0.3%
4.9%	51.3	51.5	0.3	0.5%
6.2%	51.2	51.3	0.1	0.3%
7.4%	51.1	51.3	0.2	0.3%
8.6%	51.1	51.2	0.1	0.2%
9.9%	51.0	51.1	0.1	0.2%
11.1%	50.9	51.1	0.2	0.4%
12.3%	50.8	51.1	0.2	0.4%
13.6%	50.5	51.0	0.5	1.0%
14.8%	50.5	50.9	0.4	0.8%
16.0%	50.5	50.9	0.4	0.9%
17.3%	50.0	50.7	0.6	1.2%
18.5%	49.9	50.6	0.6	1.3%
19.8%	49.9	50.5	0.7	1.3%
21.0%	49.9	50.2	0.4	0.7%
22.2%	49.8	50.2	0.4	0.8%
23.5%	49.8	50.1	0.4	0.7%
24.7%	49.7	50.1	0.3	0.6%
25.9%	49.6	50.0	0.3	0.7%
27.2%	49.6	50.0	0.4	0.8%
28.4%	49.6	49.9	0.3	0.7%
29.6%	49.5	49.7	0.2	0.4%
30.9%	49.5	49.7	0.2	0.3%
32.1%	49.4	49.6	0.2	0.5%
33.3%	49.3	49.6	0.3	0.7%
34.6%	49.2	49.6	0.4	0.8%
35.8%	49.1	49.6	0.4	0.9%
37.0%	49.1	49.5	0.4	0.9%
38.3%	49.1	49.3	0.3	0.6%
39.5%	48.9	49.3	0.3	0.7%
40.7%	48.8	49.1	0.4	0.7%
42.0%	48.8	49.1	0.4	0.8%
43.2%	48.7	49.1	0.3	0.7%
44.4%	48.7	49.0	0.3	0.6%
45.7%	48.7	49.0	0.3	0.5%
46.9%	48.7	48.9	0.2	0.5%
48.1%	48.6	48.8	0.2	0.4%
49.4%	48.5	48.7	0.2	0.4%
50.6%	48.3	48.6	0.3	0.6%
51.9%	48.3	48.6	0.4	0.8%
53.1%	48.3	48.6	0.4	0.8%
54.3%	48.2	48.6	0.3	0.7%
55.6%	48.2	48.5	0.3	0.7%
56.8%	48.1	48.5	0.4	0.8%
58.0%	48.0	48.4	0.4	0.8%
59.3%	48.0	48.4	0.4	0.8%
60.5%	48.0	48.4	0.4	0.8%
61.7%	48.0	48.3	0.4	0.8%
63.0%	47.9	48.3	0.3	0.7%
64.2%	47.9	48.2	0.2	0.5%
65.4%	47.9	48.1	0.2	0.3%
66.7%	47.9	48.0	0.1	0.2%
67.9%	47.9	47.9	0.1	0.1%
69.1%	47.8	47.9	0.1	0.2%
70.4%	47.7	47.9	0.2	0.4%
71.6%	47.6	47.9	0.3	0.7%
72.8%	47.5	47.9	0.3	0.7%
74.1%	47.5	47.8	0.3	0.6%
75.3%	47.5	47.7	0.3	0.6%
76.5%	47.4	47.7	0.3	0.6%
77.8%	47.4	47.7	0.3	0.6%
79.0%	47.4	47.7	0.3	0.6%
80.2%	47.4	47.5	0.1	0.3%
81.5%	47.3	47.4	0.1	0.2%
82.7%	47.2	47.3	0.1	0.2%
84.0%	47.1	47.2	0.2	0.3%
85.2%	46.9	47.2	0.3	0.7%
86.4%	46.9	47.2	0.3	0.6%
87.7%	46.9	47.1	0.2	0.5%
88.9%	46.6	46.9	0.3	0.7%
90.1%	46.6	46.9	0.3	0.7%
91.4%	46.6	46.6	0.1	0.2%
92.6%	46.5	46.5	0.0	0.1%
93.8%	46.3	46.3	0.0	0.0%
95.1%	46.2	46.2	0.0	-0.1%
96.3%	46.2	46.0	-0.2	-0.4%
97.5%	45.7	45.9	0.3	0.6%
98.8%	45.6	45.6	0.0	-0.1%
100.0%	45.6	45.6	0.0	-0.1%

Table SQ4-1b

Sacramento River at Balls Ferry, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.2	52.2	0.0	0.0%
1.2%	51.6	51.8	0.2	0.5%
2.5%	51.5	51.4	-0.1	-0.1%
3.7%	51.2	51.2	0.0	0.0%
4.9%	50.6	50.9	0.3	0.6%
6.2%	50.6	50.9	0.3	0.6%
7.4%	50.5	50.6	0.0	0.1%
8.6%	50.3	50.4	0.1	0.3%
9.9%	50.2	50.3	0.1	0.2%
11.1%	50.2	50.3	0.1	0.1%
12.3%	50.2	50.3	0.1	0.1%
13.6%	50.2	50.2	0.1	0.1%
14.8%	50.0	50.2	0.2	0.4%
16.0%	50.0	50.2	0.2	0.5%
17.3%	49.7	50.2	0.5	1.0%
18.5%	49.7	49.8	0.2	0.3%
19.8%	49.7	49.8	0.2	0.3%
21.0%	49.6	49.8	0.2	0.5%
22.2%	49.5	49.8	0.2	0.5%
23.5%	49.5	49.8	0.2	0.5%
24.7%	49.5	49.7	0.2	0.4%
25.9%	49.5	49.6	0.1	0.3%
27.2%	49.5	49.6	0.2	0.3%
28.4%	49.4	49.6	0.2	0.4%
29.6%	49.4	49.6	0.2	0.3%
30.9%	49.4	49.5	0.2	0.3%
32.1%	49.4	49.5	0.2	0.3%
33.3%	49.4	49.4	0.1	0.2%
34.6%	49.3	49.4	0.0	0.1%
35.8%	49.3	49.3	0.0	-0.1%
37.0%	49.2	49.2	0.0	0.0%
38.3%	49.0	49.1	0.0	0.1%
39.5%	49.0	49.0	0.0	0.1%
40.7%	49.0	49.0	0.0	0.0%
42.0%	48.9	48.9	0.0	0.0%
43.2%	48.8	48.8	0.0	0.1%
44.4%	48.7	48.8	0.0	0.0%
45.7%	48.7	48.6	-0.1	-0.2%
46.9%	48.6	48.6	0.0	0.0%
48.1%	48.5	48.6	0.0	0.1%
49.4%	48.5	48.5	0.0	0.0%
50.6%	48.4	48.4	0.0	0.0%
51.9%	48.4	48.4	0.0	0.0%
53.1%	48.3	48.3	0.0	0.1%
54.3%	48.2	48.3	0.0	0.1%
55.6%	48.2	48.1	-0.1	-0.2%
56.8%	48.1	48.1	0.0	-0.1%
58.0%	47.9	48.0	0.1	0.2%
59.3%	47.9	47.9	0.0	0.0%
60.5%	47.8	47.9	0.1	0.2%
61.7%	47.8	47.8	0.1	0.1%
63.0%	47.8	47.8	0.0	0.1%
64.2%	47.7	47.8	0.1	0.2%
65.4%	47.6	47.7	0.1	0.2%
66.7%	47.6	47.6	0.0	0.1%
67.9%	47.6	47.5	-0.1	-0.2%
69.1%	47.4	47.5	0.1	0.2%
70.4%	47.3	47.5	0.1	0.2%
71.6%	47.3	47.4	0.1	0.2%
72.8%	47.2	47.4	0.1	0.3%
74.1%	47.1	47.4	0.2	0.5%
75.3%	47.0	47.3	0.3	0.6%
76.5%	47.0	47.1	0.1	0.2%
77.8%	47.0	47.0	0.0	0.1%
79.0%	46.9	46.9	0.0	0.1%
80.2%	46.8	46.8	0.0	0.0%
81.5%	46.8	46.8	0.0	-0.1%
82.7%	46.7	46.8	0.1	0.1%
84.0%	46.7	46.7	0.0	0.0%
85.2%	46.6	46.7	0.1	0.2%
86.4%	46.5	46.6	0.1	0.1%
87.7%	46.5	46.5	0.0	0.1%
88.9%	46.5	46.5	0.1	0.1%
90.1%	46.5	46.5	0.0	0.0%
91.4%	46.3	46.3	0.0	-0.1%
92.6%	46.3	46.3	-0.1	-0.2%
93.8%	46.3	46.2	0.0	-0.1%
95.1%	46.1	46.0	-0.2	-0.4%
96.3%	46.0	45.9	-0.1	-0.3%
97.5%	45.7	45.7	0.0	0.1%
98.8%	44.7	44.6	-0.1	-0.2%
100.0%	44.7	44.6	-0.1	-0.2%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.6	53.3	-0.3	-0.5%
1.2%	53.3	53.2	-0.1	-0.2%
2.5%	53.2	53.0	-0.1	-0.2%
3.7%	53.0	52.9	-0.1	-0.2%
4.9%	52.6	52.8	0.2	0.4%
6.2%	52.5	52.7	0.2	0.4%
7.4%	52.5	52.6	0.1	0.2%
8.6%	52.4	52.5	0.1	0.2%
9.9%	52.1	52.5	0.4	0.7%
11.1%	52.0	52.3	0.2	0.5%
12.3%	52.0	52.3	0.3	0.5%
13.6%	52.0	52.0	0.1	0.2%
14.8%	51.9	51.9	0.0	0.0%
16.0%	51.9	51.9	0.0	-0.1%
17.3%	51.8	51.8	0.0	0.0%
18.5%	51.8	51.8	0.0	0.0%
19.8%	51.7	51.8	0.1	0.1%
21.0%	51.7	51.8	0.1	0.1%
22.2%	51.7	51.8	0.1	0.1%
23.5%	51.7	51.8	0.1	0.2%
24.7%	51.6	51.8	0.1	0.2%
25.9%	51.5	51.7	0.1	0.3%
27.2%	51.4	51.7	0.3	0.6%
28.4%	51.4	51.6	0.2	0.5%
29.6%	51.3	51.5	0.2	0.4%
30.9%	51.2	51.4	0.2	0.4%
32.1%	51.2	51.3	0.1	0.2%
33.3%	51.0	51.3	0.3	0.6%
34.6%	50.9	51.1	0.2	0.4%
35.8%	50.8	50.9	0.1	0.2%
37.0%	50.8	50.8	0.0	0.0%
38.3%	50.7	50.8	0.1	0.2%
39.5%	50.7	50.6	-0.1	-0.2%
40.7%	50.6	50.5	-0.1	-0.2%
42.0%	50.6	50.5	-0.1	-0.2%
43.2%	50.5	50.4	-0.1	-0.3%
44.4%	50.4	50.3	-0.1	-0.2%
45.7%	50.4	50.3	-0.1	-0.2%
46.9%	50.3	50.3	-0.1	-0.1%
48.1%	50.0	50.2	0.2	0.3%
49.4%	50.0	50.0	0.0	-0.1%
50.6%	50.0	50.0	0.0	-0.1%
51.9%	50.0	50.0	0.0	0.0%
53.1%	49.8	49.8	0.0	0.0%
54.3%	49.8	49.8	0.0	-0.1%
55.6%	49.8	49.6	-0.2	-0.3%
56.8%	49.6	49.6	0.0	-0.1%
58.0%	49.6	49.6	0.0	-0.1%
59.3%	49.6	49.5	0.0	-0.1%
60.5%	49.3	49.5	0.2	0.3%
61.7%	49.3	49.4	0.1	0.2%
63.0%	49.2	49.4	0.1	0.3%
64.2%	49.2	49.3	0.1	0.3%
65.4%	49.1	49.3	0.1	0.3%
66.7%	49.0	49.2	0.2	0.5%
67.9%	48.9	49.2	0.2	0.5%
69.1%	48.8	48.9	0.1	0.1%
70.4%	48.8	48.9	0.1	0.1%
71.6%	48.8	48.9	0.1	0.2%
72.8%	48.7	48.9	0.1	0.3%
74.1%	48.5	48.8	0.2	0.4%
75.3%	48.5	48.7	0.2	0.4%
76.5%	48.5	48.6	0.0	0.1%
77.8%	48.4	48.4	-0.1	-0.1%
79.0%	48.3	48.2	-0.1	-0.2%
80.2%	48.1	48.1	0.0	0.0%
81.5%	48.0	48.0	-0.1	-0.1%
82.7%	47.9	47.9	0.0	0.0%
84.0%	47.7	47.8	0.1	0.1%
85.2%	47.7	47.7	0.0	0.0%
86.4%	47.7	47.7	0.0	0.0%
87.7%	47.6	47.6	0.0	0.0%
88.9%	47.6	47.6	0.0	0.1%
90.1%	47.5	47.5	0.0	0.1%
91.4%	47.5	47.5	0.0	0.0%
92.6%	47.4	47.4	0.0	0.0%
93.8%	47.2	47.4	0.2	0.4%
95.1%	47.2	47.4	0.2	0.4%
96.3%	47.2	47.1	-0.1	-0.2%
97.5%	47.0	46.9	0.0	-0.1%
98.8%	46.6	46.7	0.1	0.2%
100.0%	46.6	46.7	0.1	0.2%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.8	55.7	-0.2	-0.3%
1.2%	55.1	55.1	0.0	0.1%
2.5%	54.8	54.7	-0.1	-0.1%
3.7%	54.7	54.5	-0.2	-0.4%
4.9%	54.6	54.4	-0.2	-0.4%
6.2%	54.1	54.2	0.1	0.2%
7.4%	54.1	53.7	-0.4	-0.7%
8.6%	54.0	53.7	-0.4	-0.7%
9.9%	54.0	53.7	-0.4	-0.7%
11.1%	53.5	53.5	0.0	0.0%
12.3%	53.5	53.5	-0.1	-0.1%
13.6%	53.5	53.5	0.0	-0.1%
14.8%	53.4	53.4	0.0	0.0%
16.0%	53.4	53.4	0.0	0.0%
17.3%	53.4	53.4	0.0	0.0%
18.5%	53.4	53.2	-0.2	-0.3%
19.8%	53.3	53.2	-0.1	-0.2%
21.0%	53.3	53.2	-0.1	-0.1%
22.2%	53.2	53.1	-0.1	-0.1%
23.5%	53.2	53.1	-0.1	-0.1%
24.7%	53.2	53.1	-0.1	-0.1%
25.9%	53.0	53.1	0.0	0.0%
27.2%	53.0	53.0	0.1	0.1%
28.4%	52.7	53.0	0.3	0.5%
29.6%	52.7	53.0	0.3	0.5%
30.9%	52.7	53.0	0.3	0.5%
32.1%	52.6	52.9	0.3	0.5%
33.3%	52.6	52.8	0.2	0.4%
34.6%	52.6	52.8	0.3	0.5%
35.8%	52.5	52.8	0.3	0.6%
37.0%	52.4	52.8	0.4	0.7%
38.3%	52.4	52.7	0.3	0.6%
39.5%	52.3	52.6	0.3	0.6%
40.7%	52.3	52.5	0.2	0.5%
42.0%	52.3	52.5	0.3	0.5%
43.2%	52.3	52.5	0.2	0.4%
44.4%	52.3	52.4	0.2	0.3%
45.7%	52.2	52.4	0.2	0.4%
46.9%	52.2	52.4	0.2	0.4%
48.1%	52.1	52.3	0.2	0.3%
49.4%	52.0	52.3	0.3	0.6%
50.6%	52.0	52.2	0.3	0.5%
51.9%	51.9	52.0	0.1	0.2%
53.1%	51.9	52.0	0.1	0.2%
54.3%	51.8	52.0	0.1	0.2%
55.6%	51.7	51.9	0.2	0.4%
56.8%	51.7	51.9	0.2	0.4%
58.0%	51.7	51.8	0.2	0.3%
59.3%	51.6	51.8	0.2	0.3%
60.5%	51.6	51.7	0.2	0.3%
61.7%	51.6	51.7	0.1	0.2%
63.0%	51.6	51.7	0.1	0.2%
64.2%	51.5	51.6	0.1	0.2%
65.4%	51.5	51.6	0.1	0.1%
66.7%	51.5	51.5	0.1	0.1%
67.9%	51.5	51.5	0.0	0.1%
69.1%	51.4	51.5	0.1	0.2%
70.4%	51.3	51.5	0.1	0.3%
71.6%	51.3	51.5	0.2	0.3%
72.8%	51.3	51.4	0.1	0.3%
74.1%	51.3	51.4	0.1	0.2%
75.3%	51.2	51.4	0.1	0.3%
76.5%	51.2	51.3	0.1	0.2%
77.8%	51.2	51.3	0.1	0.2%
79.0%	51.0	51.1	0.2	0.3%
80.2%	50.7	51.0	0.2	0.5%
81.5%	50.7	50.8	0.1	0.2%
82.7%	50.7	50.8	0.1	0.2%
84.0%	50.6	50.8	0.2	0.3%
85.2%	50.5	50.8	0.2	0.5%
86.4%	50.5	50.6	0.1	0.3%
87.7%	50.4	50.5	0.1	0.2%
88.9%	50.4	50.4	0.1	0.1%
90.1%	50.3	50.3	0.1	0.2%
91.4%	50.2	50.3	0.1	0.2%
92.6%	50.1	50.3	0.1	0.3%
93.8%	50.1	50.1	0.1	0.1%
95.1%	49.7	49.9	0.2	0.3%
96.3%	49.1	49.4	0.3	0.6%
97.5%	48.9	49.0	0.1	0.2%
98.8%	48.9	48.8	0.0	0.0%
100.0%	48.9	48.8	0.0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.8	57.9	0.1	0.2%
1.2%	57.4	57.6	0.1	0.3%
2.5%	57.3	56.9	-0.4	-0.7%
3.7%	56.9	56.7	-0.2	-0.3%
4.9%	56.9	56.6	-0.2	-0.4%
6.2%	56.1	56.2	0.1	0.2%
7.4%	55.9	56.0	0.1	0.1%
8.6%	55.8	56.0	0.2	0.3%
9.9%	55.7	55.9	0.2	0.4%
11.1%	55.6	55.9	0.3	0.5%
12.3%	55.4	55.8	0.4	0.7%
13.6%	55.4	55.8	0.4	0.8%
14.8%	55.1	55.5	0.4	0.7%
16.0%	55.1	55.5	0.4	0.7%
17.3%	55.0	55.4	0.4	0.7%
18.5%	54.8	55.4	0.6	1.1%
19.8%	54.7	55.3	0.6	1.1%
21.0%	54.7	55.2	0.6	1.0%
22.2%	54.6	55.2	0.6	1.1%
23.5%	54.6	55.1	0.5	1.0%
24.7%	54.5	55.0	0.5	0.9%
25.9%	54.5	54.9	0.4	0.7%
27.2%	54.3	54.7	0.4	0.7%
28.4%	54.3	54.6	0.3	0.5%
29.6%	54.2	54.6	0.4	0.8%
30.9%	54.1	54.5	0.4	0.8%
32.1%	54.0	54.4	0.4	0.8%
33.3%	54.0	54.4	0.4	0.8%
34.6%	53.9	54.4	0.4	0.8%
35.8%	53.9	54.3	0.5	0.9%
37.0%	53.9	54.3	0.5	0.9%
38.3%	53.8	54.3	0.5	0.9%
39.5%	53.8	54.3	0.5	0.9%
40.7%	53.6	54.3	0.6	1.2%
42.0%	53.6	54.2	0.6	1.2%
43.2%	53.4	54.2	0.7	1.4%
44.4%	53.4	54.2	0.7	1.4%
45.7%	53.4	54.2	0.8	1.4%
46.9%	53.4	54.2	0.8	1.5%
48.1%	53.4	53.9	0.5	1.0%
49.4%	53.3	53.9	0.5	1.0%
50.6%	53.3	53.8	0.6	1.0%
51.9%	53.3	53.8	0.5	0.9%
53.1%	53.2	53.7	0.5	0.9%
54.3%	53.2	53.7	0.5	1.0%
55.6%	53.2	53.7	0.5	1.0%
56.8%	53.2	53.7	0.5	1.0%
58.0%	53.1	53.6	0.5	1.0%
59.3%	53.1	53.6	0.5	1.0%
60.5%	53.1	53.6	0.5	1.0%
61.7%	53.0	53.6	0.5	1.0%
63.0%	53.0	53.5	0.5	1.0%
64.2%	53.0	53.5	0.5	1.0%
65.4%	53.0	53.4	0.5	0.9%
66.7%	52.9	53.4	0.5	0.9%
67.9%	52.9	53.4	0.5	0.9%
69.1%	52.9	53.3	0.4	0.8%
70.4%	52.9	53.3	0.4	0.7%
71.6%	52.8	53.3	0.4	0.8%
72.8%	52.8	53.2	0.4	0.7%
74.1%	52.7	53.1	0.4	0.8%
75.3%	52.7	53.0	0.3	0.6%
76.5%	52.7	53.0	0.3	0.6%
77.8%	52.7	53.0	0.3	0.6%
79.0%	52.6	53.0	0.4	0.8%
80.2%	52.5	52.8	0.3	0.6%
81.5%	52.5	52.8	0.4	0.7%
82.7%	52.4	52.8	0.4	0.8%
84.0%	52.4	52.8	0.4	0.7%
85.2%	52.4	52.7	0.3	0.6%
86.4%	52.2	52.6	0.5	0.9%
87.7%	52.1	52.6	0.5	0.9%
88.9%	52.1	52.5	0.5	0.9%
90.1%	52.1	52.5	0.4	0.9%
91.4%	52.0	52.5	0.4	0.8%
92.6%	51.9	52.3	0.4	0.8%
93.8%	51.8	52.3	0.5	0.9%
95.1%	51.7	52.2	0.5	1.0%
96.3%	51.6	52.1	0.4	0.8%
97.5%	51.6	52.0	0.4	0.9%
98.8%	51.4	51.8	0.4	0.7%
100.0%	51.4	51.8	0.4	0.7%

Table SQ4-1b

Sacramento River at Balls Ferry, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.5	57.6	-0.9	-1.5%
1.2%	58.0	57.3	-0.7	-1.2%
2.5%	57.6	57.1	-0.6	-1.0%
3.7%	57.4	56.7	-0.7	-1.2%
4.9%	57.3	56.5	-0.8	-1.4%
6.2%	56.6	56.4	-0.3	-0.5%
7.4%	56.5	56.0	-0.4	-0.8%
8.6%	56.2	55.9	-0.2	-0.4%
9.9%	56.0	55.9	-0.1	-0.2%
11.1%	56.0	55.9	-0.1	-0.2%
12.3%	56.0	55.8	-0.1	-0.3%
13.6%	55.8	55.8	0.0	0.0%
14.8%	55.8	55.7	-0.1	-0.1%
16.0%	55.7	55.6	-0.1	-0.2%
17.3%	55.7	55.5	-0.2	-0.3%
18.5%	55.5	55.5	0.0	0.0%
19.8%	55.4	55.4	0.0	0.0%
21.0%	55.4	55.3	-0.1	-0.2%
22.2%	55.3	55.3	-0.1	-0.1%
23.5%	55.3	55.2	-0.1	-0.1%
24.7%	55.2	55.1	-0.1	-0.1%
25.9%	55.1	55.1	0.0	0.0%
27.2%	55.1	55.0	0.0	-0.1%
28.4%	55.0	55.0	0.0	0.0%
29.6%	54.9	55.0	0.0	0.0%
30.9%	54.8	54.9	0.2	0.3%
32.1%	54.7	54.9	0.2	0.4%
33.3%	54.7	54.8	0.1	0.2%
34.6%	54.6	54.8	0.2	0.4%
35.8%	54.6	54.8	0.2	0.4%
37.0%	54.4	54.8	0.4	0.8%
38.3%	54.3	54.7	0.4	0.8%
39.5%	54.3	54.7	0.4	0.8%
40.7%	54.2	54.7	0.5	0.9%
42.0%	54.2	54.6	0.4	0.8%
43.2%	54.0	54.5	0.5	1.0%
44.4%	53.9	54.5	0.6	1.1%
45.7%	53.8	54.5	0.6	1.2%
46.9%	53.8	54.4	0.6	1.2%
48.1%	53.8	54.4	0.6	1.2%
49.4%	53.7	54.4	0.7	1.2%
50.6%	53.7	54.3	0.6	1.2%
51.9%	53.7	54.3	0.6	1.2%
53.1%	53.7	54.3	0.6	1.1%
54.3%	53.6	54.2	0.6	1.1%
55.6%	53.5	54.2	0.7	1.2%
56.8%	53.4	54.1	0.7	1.3%
58.0%	53.4	54.0	0.7	1.3%
59.3%	53.3	54.0	0.7	1.3%
60.5%	53.3	53.9	0.7	1.3%
61.7%	53.3	53.9	0.7	1.2%
63.0%	53.2	53.8	0.6	1.1%
64.2%	53.1	53.8	0.7	1.3%
65.4%	53.1	53.7	0.6	1.2%
66.7%	53.0	53.7	0.7	1.2%
67.9%	53.0	53.7	0.7	1.2%
69.1%	53.0	53.6	0.6	1.2%
70.4%	52.9	53.6	0.7	1.3%
71.6%	52.9	53.6	0.7	1.3%
72.8%	52.9	53.6	0.7	1.3%
74.1%	52.8	53.5	0.7	1.4%
75.3%	52.7	53.5	0.8	1.4%
76.5%	52.6	53.5	0.8	1.6%
77.8%	52.6	53.4	0.8	1.6%
79.0%	52.6	53.3	0.7	1.4%
80.2%	52.5	53.2	0.8	1.5%
81.5%	52.5	53.2	0.7	1.4%
82.7%	52.4	53.0	0.6	1.2%
84.0%	52.3	53.0	0.6	1.2%
85.2%	52.2	52.9	0.7	1.4%
86.4%	52.2	52.8	0.6	1.2%
87.7%	52.2	52.7	0.6	1.1%
88.9%	52.1	52.7	0.6	1.1%
90.1%	52.1	52.6	0.5	1.0%
91.4%	52.0	52.5	0.4	0.8%
92.6%	52.0	52.5	0.4	0.8%
93.8%	52.0	52.5	0.5	0.9%
95.1%	51.8	52.4	0.6	1.1%
96.3%	51.6	52.4	0.7	1.4%
97.5%	51.4	52.1	0.7	1.3%
98.8%	51.2	51.7	0.6	1.1%
100.0%	51.2	51.7	0.6	1.1%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.6	66.8	0.2	0.4%
1.2%	60.8	57.9	-2.9	-4.8%
2.5%	60.5	57.5	-3.0	-4.9%
3.7%	58.4	57.0	-1.4	-2.5%
4.9%	58.1	56.9	-1.2	-2.0%
6.2%	57.7	56.8	-0.9	-1.6%
7.4%	57.7	56.8	-0.9	-1.5%
8.6%	57.6	56.8	-0.8	-1.3%
9.9%	57.5	56.8	-0.7	-1.3%
11.1%	57.3	56.7	-0.6	-1.0%
12.3%	57.3	56.4	-0.8	-1.5%
13.6%	57.3	56.3	-1.0	-1.7%
14.8%	57.0	56.2	-0.7	-1.3%
16.0%	57.0	56.2	-0.8	-1.4%
17.3%	56.9	56.1	-0.7	-1.3%
18.5%	56.9	56.1	-0.8	-1.3%
19.8%	56.9	56.1	-0.8	-1.4%
21.0%	56.8	56.1	-0.7	-1.2%
22.2%	56.6	56.1	-0.6	-1.0%
23.5%	56.5	55.9	-0.6	-1.0%
24.7%	56.5	55.9	-0.6	-1.0%
25.9%	56.4	55.9	-0.5	-0.8%
27.2%	56.2	55.8	-0.4	-0.7%
28.4%	56.1	55.8	-0.3	-0.6%
29.6%	56.1	55.7	-0.4	-0.7%
30.9%	56.1	55.7	-0.4	-0.7%
32.1%	56.0	55.6	-0.4	-0.7%
33.3%	55.9	55.4	-0.5	-0.9%
34.6%	55.8	55.4	-0.4	-0.7%
35.8%	55.8	55.4	-0.4	-0.7%
37.0%	55.8	55.4	-0.4	-0.6%
38.3%	55.4	55.4	0.0	0.0%
39.5%	55.4	55.3	0.0	0.0%
40.7%	55.3	55.3	0.0	0.1%
42.0%	55.2	55.3	0.1	0.3%
43.2%	55.1	55.3	0.2	0.4%
44.4%	55.1	55.3	0.2	0.4%
45.7%	55.0	55.2	0.2	0.3%
46.9%	54.8	55.2	0.4	0.7%
48.1%	54.8	55.2	0.4	0.7%
49.4%	54.7	55.2	0.4	0.8%
50.6%	54.7	55.1	0.4	0.7%
51.9%	54.7	55.1	0.4	0.7%
53.1%	54.7	55.0	0.4	0.7%
54.3%	54.7	55.0	0.3	0.6%
55.6%	54.6	54.9	0.3	0.6%
56.8%	54.5	54.9	0.4	0.7%
58.0%	54.5	54.7	0.2	0.3%
59.3%	54.5	54.7	0.2	0.4%
60.5%	54.5	54.6	0.2	0.3%
61.7%	54.5	54.6	0.1	0.2%
63.0%	54.4	54.6	0.1	0.2%
64.2%	54.4	54.5	0.2	0.3%
65.4%	54.3	54.4	0.1	0.1%
66.7%	54.2	54.4	0.2	0.3%
67.9%	54.1	54.3	0.2	0.4%
69.1%	54.0	54.3	0.3	0.5%
70.4%	53.9	54.2	0.3	0.5%
71.6%	53.9	54.2	0.3	0.6%
72.8%	53.9	54.1	0.2	0.4%
74.1%	53.7	54.0	0.3	0.6%
75.3%	53.6	54.0	0.3	0.6%
76.5%	53.6	54.0	0.4	0.7%
77.8%	53.6	54.0	0.4	0.7%
79.0%	53.5	53.9	0.4	0.8%
80.2%	53.5	53.9	0.4	0.8%
81.5%	53.4	53.8	0.3	0.6%
82.7%	53.4	53.8	0.3	0.7%
84.0%	53.4	53.7	0.4	0.7%
85.2%	53.3	53.7	0.4	0.7%
86.4%	53.3	53.5	0.2	0.4%
87.7%	53.2	53.4	0.2	0.3%
88.9%	53.1	53.3	0.3	0.5%
90.1%	53.1	53.3	0.3	0.5%
91.4%	53.0	53.3	0.3	0.5%
92.6%	53.0	53.1	0.1	0.2%
93.8%	52.7	53.0	0.3	0.6%
95.1%	52.7	53.0	0.3	0.5%
96.3%	52.6	52.7	0.1	0.2%
97.5%	52.4	52.6	0.2	0.4%
98.8%	52.3	52.6	0.3	0.6%
100.0%	52.3	52.6	0.3	0.6%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	71.6	71.9	0.3	0.4%
1.2%	66.7	65.4	-1.3	-1.9%
2.5%	65.9	63.1	-2.8	-4.3%
3.7%	65.4	63.0	-2.5	-3.8%
4.9%	61.4	59.4	-2.0	-3.2%
6.2%	61.3	57.8	-3.5	-5.7%
7.4%	58.8	57.8	-1.1	-1.8%
8.6%	58.5	57.5	-1.0	-1.7%
9.9%	58.0	57.4	-0.5	-0.9%
11.1%	57.9	57.2	-0.6	-1.1%
12.3%	57.8	57.1	-0.7	-1.2%
13.6%	57.6	57.1	-0.5	-0.9%
14.8%	57.6	57.0	-0.6	-1.1%
16.0%	57.5	57.0	-0.6	-1.0%
17.3%	57.5	56.9	-0.6	-1.0%
18.5%	57.5	56.9	-0.6	-1.0%
19.8%	57.4	56.7	-0.7	-1.3%
21.0%	57.4	56.7	-0.7	-1.2%
22.2%	57.4	56.6	-0.7	-1.2%
23.5%	57.3	56.6	-0.8	-1.3%
24.7%	57.2	56.6	-0.6	-1.1%
25.9%	57.2	56.5	-0.7	-1.2%
27.2%	57.1	56.5	-0.6	-1.0%
28.4%	57.0	56.4	-0.6	-1.1%
29.6%	57.0	56.4	-0.6	-1.0%
30.9%	56.9	56.4	-0.6	-1.0%
32.1%	56.9	56.4	-0.5	-0.9%
33.3%	56.8	56.4	-0.5	-0.8%
34.6%	56.8	56.3	-0.5	-0.8%
35.8%	56.7	56.3	-0.4	-0.7%
37.0%	56.7	56.3	-0.3	-0.6%
38.3%	56.7	56.3	-0.3	-0.6%
39.5%	56.6	56.3	-0.3	-0.6%
40.7%	56.6	56.2	-0.4	-0.6%
42.0%	56.6	56.2	-0.4	-0.7%
43.2%	56.6	56.2	-0.4	-0.7%
44.4%	56.5	56.2	-0.4	-0.7%
45.7%	56.5	56.2	-0.4	-0.6%
46.9%	56.5	56.1	-0.4	-0.7%
48.1%	56.5	56.1	-0.4	-0.7%
49.4%	56.4	56.0	-0.4	-0.7%
50.6%	56.4	56.0	-0.4	-0.7%
51.9%	56.4	56.0	-0.3	-0.6%
53.1%	56.3	56.0	-0.4	-0.7%
54.3%	56.3	55.9	-0.4	-0.6%
55.6%	56.3	55.9	-0.3	-0.6%
56.8%	56.2	55.9	-0.3	-0.5%
58.0%	56.2	55.9	-0.3	-0.6%
59.3%	56.2	55.9	-0.3	-0.6%
60.5%	56.2	55.8	-0.3	-0.6%
61.7%	56.2	55.8	-0.4	-0.6%
63.0%	56.1	55.8	-0.3	-0.6%
64.2%	56.1	55.8	-0.3	-0.5%
65.4%	56.1	55.7	-0.3	-0.6%
66.7%	56.0	55.6	-0.4	-0.7%
67.9%	55.9	55.6	-0.3	-0.5%
69.1%	55.8	55.6	-0.3	-0.5%
70.4%	55.7	55.5	-0.2	-0.4%
71.6%	55.6	55.4	-0.2	-0.3%
72.8%	55.6	55.4	-0.2	-0.3%
74.1%	55.6	55.4	-0.2	-0.3%
75.3%	55.5	55.3	-0.2	-0.4%
76.5%	55.5	55.3	-0.2	-0.4%
77.8%	55.5	55.3	-0.2	-0.3%
79.0%	55.4	55.2	-0.2	-0.3%
80.2%	55.4	55.2	-0.2	-0.3%
81.5%	55.4	55.2	-0.2	-0.3%
82.7%	55.4	55.2	-0.2	-0.4%
84.0%	55.3	55.2	-0.2	-0.3%
85.2%	55.3	55.1	-0.2	-0.3%
86.4%	55.2	55.1	0.0	0.0%
87.7%	55.1	54.9	-0.3	-0.5%
88.9%	55.1	54.9	-0.2	-0.4%
90.1%	55.0	54.6	-0.4	-0.7%
91.4%	54.9	54.6	-0.3	-0.6%
92.6%	54.8	54.1	-0.7	-1.3%
93.8%	54.7	53.9	-0.8	-1.5%
95.1%	54.7	53.7	-0.9	-1.7%
96.3%	54.1	53.6	-0.5	-0.9%
97.5%	53.8	53.2	-0.6	-1.2%
98.8%	53.6	53.1	-0.5	-0.9%
100.0%	53.6	53.1	-0.5	-0.9%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	71.2	69.9	-1.3	-1.9%
1.2%	70.5	68.6	-1.9	-2.7%
2.5%	69.2	67.3	-1.9	-2.7%
3.7%	68.6	66.9	-1.7	-2.4%
4.9%	67.3	63.4	-3.9	-5.8%
6.2%	66.4	63.0	-3.5	-5.2%
7.4%	65.5	62.4	-3.1	-4.7%
8.6%	64.1	60.9	-3.2	-5.0%
9.9%	63.8	60.4	-3.4	-5.4%
11.1%	62.9	60.2	-2.7	-4.3%
12.3%	61.6	60.1	-1.5	-2.4%
13.6%	61.0	59.2	-1.8	-3.0%
14.8%	60.6	59.1	-1.6	-2.6%
16.0%	60.5	59.0	-1.5	-2.6%
17.3%	60.5	58.6	-1.9	-3.1%
18.5%	60.2	58.5	-1.7	-2.9%
19.8%	59.9	58.2	-1.6	-2.7%
21.0%	59.8	57.8	-2.0	-3.3%
22.2%	59.4	57.6	-1.8	-3.0%
23.5%	59.2	57.2	-2.0	-3.4%
24.7%	58.7	57.1	-1.6	-2.8%
25.9%	58.6	57.0	-1.5	-2.6%
27.2%	58.4	57.0	-1.4	-2.5%
28.4%	58.4	57.0	-1.4	-2.5%
29.6%	58.4	56.7	-1.6	-2.8%
30.9%	57.8	56.7	-1.1	-1.9%
32.1%	57.8	56.7	-1.1	-1.9%
33.3%	57.8	56.6	-1.1	-2.0%
34.6%	57.6	56.6	-1.0	-1.8%
35.8%	57.5	56.6	-0.9	-1.6%
37.0%	57.4	56.6	-0.7	-1.3%
38.3%	57.3	56.6	-0.7	-1.2%
39.5%	57.2	56.5	-0.7	-1.2%
40.7%	57.1	56.4	-0.8	-1.3%
42.0%	57.1	56.2	-0.9	-1.7%
43.2%	57.0	56.0	-1.0	-1.8%
44.4%	57.0	56.0	-1.0	-1.7%
45.7%	56.9	56.0	-0.9	-1.6%
46.9%	56.9	56.0	-0.9	-1.6%
48.1%	56.9	55.9	-1.0	-1.7%
49.4%	56.8	55.9	-0.9	-1.6%
50.6%	56.6	55.9	-0.7	-1.3%
51.9%	56.5	55.8	-0.7	-1.2%
53.1%	56.2	55.8	-0.4	-0.8%
54.3%	56.0	55.7	-0.3	-0.5%
55.6%	56.0	55.7	-0.3	-0.5%
56.8%	55.9	55.6	-0.3	-0.5%
58.0%	55.8	55.6	-0.3	-0.5%
59.3%	55.5	55.4	-0.1	-0.1%
60.5%	55.4	55.3	-0.1	-0.2%
61.7%	55.3	55.3	0.0	0.0%
63.0%	55.0	55.3	0.3	0.5%
64.2%	54.9	55.2	0.4	0.7%
65.4%	54.8	55.2	0.4	0.7%
66.7%	54.8	55.1	0.2	0.4%
67.9%	54.6	55.0	0.4	0.8%
69.1%	54.6	55.0	0.4	0.7%
70.4%	54.5	55.0	0.5	0.9%
71.6%	54.3	54.7	0.4	0.7%
72.8%	54.3	54.6	0.3	0.6%
74.1%	54.2	54.5	0.3	0.6%
75.3%	54.2	54.5	0.3	0.6%
76.5%	53.9	54.4	0.5	1.0%
77.8%	53.8	54.2	0.4	0.7%
79.0%	53.6	54.0	0.4	0.8%
80.2%	53.4	53.9	0.5	1.0%
81.5%	53.3	53.9	0.6	1.1%
82.7%	53.2	53.6	0.4	0.8%
84.0%	53.2	53.2	0.0	0.0%
85.2%	53.2	53.1	-0.1	-0.1%
86.4%	53.2	52.9	-0.2	-0.4%
87.7%	53.2	52.7	-0.4	-0.8%
88.9%	53.1	52.7	-0.5	-0.9%
90.1%	53.0	52.6	-0.4	-0.7%
91.4%	52.9	52.6	-0.3	-0.6%
92.6%	52.8	52.6	-0.2	-0.4%
93.8%	52.8	52.6	-0.2	-0.3%
95.1%	52.6	52.5	-0.1	-0.2%
96.3%	52.6	52.5	-0.1	-0.2%
97.5%	52.4	52.3	-0.1	-0.2%
98.8%	52.3	52.2	-0.1	-0.2%
100.0%	52.3	52.2	-0.1	-0.2%

Table SQ4-1b

Sacramento River at Balls Ferry, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.0	65.9	-0.1	-0.1%
1.2%	63.9	62.0	-1.9	-3.0%
2.5%	63.6	61.8	-1.8	-2.8%
3.7%	62.2	60.6	-1.6	-2.6%
4.9%	61.2	58.4	-2.8	-4.6%
6.2%	59.8	58.4	-1.4	-2.4%
7.4%	59.2	57.8	-1.3	-2.2%
8.6%	59.0	57.4	-1.6	-2.8%
9.9%	58.7	57.2	-1.4	-2.4%
11.1%	58.3	57.2	-1.2	-2.0%
12.3%	57.9	57.1	-0.8	-1.3%
13.6%	57.8	57.1	-0.7	-1.2%
14.8%	57.5	57.0	-0.5	-0.8%
16.0%	57.5	57.0	-0.5	-0.8%
17.3%	57.4	56.9	-0.5	-0.9%
18.5%	57.3	56.7	-0.6	-1.1%
19.8%	57.1	56.6	-0.5	-0.9%
21.0%	57.0	56.6	-0.5	-0.8%
22.2%	57.0	56.5	-0.5	-0.9%
23.5%	56.9	56.4	-0.5	-0.9%
24.7%	56.9	56.4	-0.5	-0.9%
25.9%	56.8	56.4	-0.4	-0.7%
27.2%	56.5	56.2	-0.3	-0.4%
28.4%	56.4	56.2	-0.2	-0.4%
29.6%	56.4	56.1	-0.3	-0.6%
30.9%	56.3	55.9	-0.4	-0.7%
32.1%	56.3	55.9	-0.4	-0.7%
33.3%	56.1	55.8	-0.4	-0.7%
34.6%	56.0	55.7	-0.4	-0.6%
35.8%	55.7	55.7	0.0	0.0%
37.0%	55.7	55.6	0.0	-0.1%
38.3%	55.6	55.5	-0.1	-0.2%
39.5%	55.5	55.4	-0.1	-0.3%
40.7%	55.5	55.3	-0.2	-0.4%
42.0%	55.5	55.3	-0.2	-0.4%
43.2%	55.5	55.3	-0.2	-0.4%
44.4%	55.4	55.3	-0.1	-0.1%
45.7%	55.4	55.3	-0.1	-0.1%
46.9%	55.3	55.3	-0.1	-0.2%
48.1%	55.3	55.2	-0.1	-0.2%
49.4%	55.3	55.2	-0.1	-0.1%
50.6%	55.2	55.2	-0.1	-0.1%
51.9%	55.2	55.2	-0.1	-0.1%
53.1%	55.2	55.1	-0.1	-0.2%
54.3%	55.2	55.1	-0.1	-0.1%
55.6%	55.1	55.1	-0.1	-0.1%
56.8%	55.1	55.1	-0.1	-0.1%
58.0%	55.1	55.0	-0.1	-0.2%
59.3%	55.1	55.0	-0.1	-0.2%
60.5%	55.1	55.0	-0.1	-0.2%
61.7%	55.1	54.9	-0.1	-0.3%
63.0%	55.0	54.8	-0.2	-0.3%
64.2%	54.9	54.8	-0.2	-0.3%
65.4%	54.9	54.8	-0.2	-0.4%
66.7%	54.8	54.6	-0.2	-0.3%
67.9%	54.7	54.6	-0.1	-0.1%
69.1%	54.6	54.6	0.0	-0.1%
70.4%	54.4	54.6	0.1	0.2%
71.6%	54.4	54.5	0.1	0.2%
72.8%	54.4	54.5	0.1	0.2%
74.1%	54.4	54.3	0.0	-0.1%
75.3%	54.3	54.3	0.0	0.0%
76.5%	54.2	54.2	0.0	-0.1%
77.8%	54.2	54.2	0.0	0.0%
79.0%	54.0	54.1	0.1	0.1%
80.2%	53.8	54.0	0.2	0.3%
81.5%	53.8	54.0	0.2	0.3%
82.7%	53.8	54.0	0.2	0.3%
84.0%	53.7	53.9	0.2	0.4%
85.2%	53.6	53.9	0.3	0.5%
86.4%	53.6	53.9	0.3	0.5%
87.7%	53.5	53.7	0.2	0.4%
88.9%	53.4	53.6	0.2	0.4%
90.1%	53.4	53.6	0.2	0.4%
91.4%	53.3	53.5	0.1	0.2%
92.6%	53.3	53.4	0.1	0.2%
93.8%	53.3	53.4	0.1	0.2%
95.1%	53.3	53.4	0.1	0.2%
96.3%	53.2	53.3	0.1	0.2%
97.5%	53.1	53.3	0.2	0.5%
98.8%	52.9	53.2	0.3	0.5%
100.0%	52.6	52.9	0.3	0.6%

July to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	68.5	68.7	0.2	0.2%
1.2%	66.0	64.3	-1.7	-2.6%
2.5%	65.9	63.2	-2.7	-4.0%
3.7%	64.1	62.3	-1.8	-2.8%
4.9%	62.5	59.5	-3.0	-4.8%
6.2%	61.3	59.1	-2.3	-3.7%
7.4%	60.5	58.3	-2.2	-3.6%
8.6%	59.6	58.1	-1.5	-2.5%
9.9%	59.6	58.0	-1.6	-2.7%
11.1%	59.6	57.9	-1.7	-2.8%
12.3%	58.7	57.9	-0.9	-1.5%
13.6%	58.4	57.5	-0.9	-1.6%
14.8%	58.3	57.5	-0.8	-1.4%
16.0%	58.2	57.3	-0.9	-1.5%
17.3%	58.1	57.2	-0.9	-1.5%
18.5%	58.1	57.2	-0.9	-1.6%
19.8%	57.9	56.9	-0.9	-1.6%
21.0%	57.7	56.9	-0.8	-1.4%
22.2%	57.5	56.8	-0.7	-1.3%
23.5%	57.4	56.6	-0.8	-1.4%
24.7%	57.4	56.5	-0.8	-1.5%
25.9%	57.3	56.5	-0.8	-1.4%
27.2%	57.2	56.4	-0.8	-1.4%
28.4%	57.1	56.4	-0.7	-1.2%
29.6%	57.0	56.4	-0.6	-1.1%
30.9%	56.9	56.4	-0.5	-0.9%
32.1%	56.8	56.3	-0.5	-0.9%
33.3%	56.5	56.2	-0.2	-0.4%
34.6%	56.4	56.1	-0.3	-0.5%
35.8%	56.4	56.1	-0.3	-0.5%
37.0%	56.3	55.9	-0.4	-0.7%
38.3%	56.2	55.9	-0.3	-0.6%
39.5%	56.1	55.8	-0.3	-0.5%
40.7%	56.1	55.7	-0.4	-0.7%
42.0%	56.0	55.6	-0.4	-0.7%
43.2%	56.0	55.6	-0.4	-0.7%
44.4%	56.0	55.6	-0.4	-0.7%
45.7%	56.0	55.6	-0.4	-0.7%
46.9%	55.9	55.6	-0.3	-0.6%
48.1%	55.9	55.5	-0.4	-0.7%
49.4%	55.8	55.5	-0.3	-0.5%
50.6%	55.7	55.4	-0.3	-0.6%
51.9%	55.7	55.4	-0.3	-0.5%
53.1%	55.7	55.4	-0.3	-0.6%
54.3%	55.7	55.4	-0.3	-0.6%
55.6%	55.7	55.3	-0.3	-0.6%
56.8%	55.6	55.3	-0.3	-0.5%
58.0%	55.6	55.3	-0.2	-0.4%
59.3%	55.6	55.3	-0.3	-0.5%
60.5%	55.5	55.3	-0.2	-0.4%
61.7%	55.4	55.2	-0.2	-0.3%
63.0%	55.3	55.2	-0.1	-0.2%
64.2%	55.2	55.1	-0.1	-0.2%
65.4%	55.2	55.1	-0.1	-0.2%
66.7%	55.1	55.1	-0.1	-0.1%
67.9%	55.1	55.0	0.0	-0.1%
69.1%	55.1	54.9	-0.1	-0.2%
70.4%	55.0	54.9	-0.1	-0.2%
71.6%	55.0	54.8	-0.2	-0.4%
72.8%	54.9	54.8	-0.2	-0.3%
74.1%	54.9	54.7	-0.2	-0.3%
75.3%	54.8	54.7	-0.1	-0.2%
76.5%	54.7	54.6	-0.1	-0.1%
77.8%	54.7	54.6	-0.1	-0.2%
79.0%	54.6	54.4	-0.2	-0.4%
80.2%	54.6	54.3	-0.3	-0.5%
81.5%	54.2	54.2	-0.1	-0.1%
82.7%	54.1	54.1	-0.1	-0.2%
84.0%	54.1	54.0	0.0	-0.1%
85.2%	54.0	54.0	0.0	-0.1%
86.4%	53.8	54.0	0.1	0.3%
87.7%	53.8	53.9	0.1	0.2%
88.9%	53.7	53.8	0.1	0.2%
90.1%	53.6	53.8	0.2	0.4%
91.4%	53.6	53.6	0.0	0.0%
92.6%	53.6	53.6	0.0	0.0%
93.8%	53.6	53.5	0.0	-0.1%
95.1%	53.5	53.5	0.0	-0.1%
96.3%	53.5	53.5	-0.1	-0.1%
97.5%	53.4	53.4	0.1	0.1%
98.8%	53.2	53.3	0.2	0.3%
100.0%	53.1	53.2	0.2	0.3%

August to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	69.5	69.6	0.1	0.2%
1.2%	68.6	67.7	-0.9	-1.4%
2.5%	68.6	65.9	-2.7	-3.9%
3.7%	67.3	64.9	-2.4	-3.5%
4.9%	65.0	61.4	-3.6	-5.5%
6.2%	63.4	60.1	-3.3	-5.1%
7.4%	62.0	59.4	-2.6	-4.2%
8.6%	61.3	59.3	-2.0	-3.2%
9.9%	60.9	58.9	-2.0	-3.3%
11.1%	60.1	58.7	-1.4	-2.3%
12.3%	59.4	58.6	-0.9	-1.4%
13.6%	59.3	58.5	-0.8	-1.4%
14.8%	59.0	58.0	-1.0	-1.7%
16.0%	58.8	57.8	-1.0	-1.8%
17.3%	58.8	57.8	-1.1	-1.8%
18.5%	58.7	57.5	-1.3	-2.1%
19.8%	58.6	57.3	-1.3	-2.2%
21.0%	58.2	57.1	-1.1	-1.8%
22.2%	58.1	57.0	-1.1	-1.9%
23.5%	57.9	57.0	-0.9	-1.6%
24.7%	57.9	56.9	-1.0	-1.6%
25.9%	57.8	56.8	-0.9	-1.6%
27.2%	57.7	56.8	-0.9	-1.6%
28.4%	57.5	56.7	-0.8	-1.3%
29.6%	57.4	56.5	-0.9	-1.5%
30.9%	57.3	56.5	-0.8	-1.4%
32.1%	57.3	56.5	-0.8	-1.4%
33.3%	57.2	56.5	-0.7	-1.3%
34.6%	57.1	56.5	-0.7	-1.1%
35.8%	57.0	56.4	-0.6	-1.0%
37.0%	57.0	56.4	-0.6	-1.1%
38.3%	57.0	56.3	-0.7	-1.2%
39.5%	56.8	56.3	-0.6	-1.0%
40.7%	56.7	56.2	-0.6	-1.0%
42.0%	56.6	56.1	-0.5	-0.9%
43.2%	56.5	56.1	-0.4	-0.8%
44.4%	56.4	56.0	-0.4	-0.7%
45.7%	56.4	56.0	-0.4	-0.7%
46.9%	56.4	56.0	-0.4	-0.7%
48.1%	56.3	55.9	-0.5	-0.9%
49.4%	56.3	55.8	-0.5	-0.9%
50.6%	56.3	55.8	-0.5	-1.0%
51.9%	56.2	55.7	-0.6	-1.0%
53.1%	56.2	55.6	-0.6	-1.1%
54.3%	56.2	55.6	-0.6	-1.0%
55.6%	56.0	55.6	-0.5	-0.8%
56.8%	56.0	55.6	-0.4	-0.8%
58.0%	56.0	55.6	-0.4	-0.7%
59.3%	55.9	55.6	-0.4	-0.7%
60.5%	55.9	55.5	-0.4	-0.6%
61.7%	55.8	55.4	-0.4	-0.7%
63.0%	55.8	55.4	-0.3	-0.6%
64.2%	55.7	55.4	-0.3	-0.6%
65.4%	55.6	55.4	-0.3	-0.5%
66.7%	55.5	55.3	-0.3	-0.5%
67.9%	55.4	55.3	-0.2	-0.3%
69.1%	55.4	55.2	-0.2	-0.4%
70.4%	55.3	55.2	-0.1	-0.3%
71.6%	55.3	55.2	-0.1	-0.2%
72.8%	55.3	55.1	-0.1	-0.2%
74.1%	55.1	55.0	-0.1	-0.3%
75.3%	55.1	54.9	-0.2	-0.3%
76.5%	55.0	54.6	-0.4	-0.7%
77.8%	54.9	54.6	-0.3	-0.5%
79.0%	54.8	54.5	-0.3	-0.6%
80.2%	54.6	54.4	-0.2	-0.4%
81.5%	54.6	54.4	-0.2	-0.4%
82.7%	54.5	54.3	-0.2	-0.4%
84.0%	54.5	54.1	-0.4	-0.7%
85.2%	54.4	54.1	-0.3	-0.6%
86.4%	54.2	54.0	-0.1	-0.2%
87.7%	54.1	54.0	-0.1	-0.1%
88.9%	54.1	53.9	-0.2	-0.3%
90.1%	54.0	53.9	-0.1	-0.3%
91.4%	53.8	53.9	0.1	0.1%
92.6%	53.8	53.8	0.1	0.1%
93.8%	53.8	53.8	0.1	0.2%
95.1%	53.7	53.8	0.1	0.2%
96.3%	53.7	53.7	0.1	0.1%
97.5%	53.6	53.4	-0.3	-0.5%
98.8%	53.6	53.2	-0.4	-0.8%
100.0%	53.4	52.9	-0.5	-0.9%

Figure SQ5-1b
Sacramento River at Jellys Ferry, Monthly Temperature
Probability of Exceedance

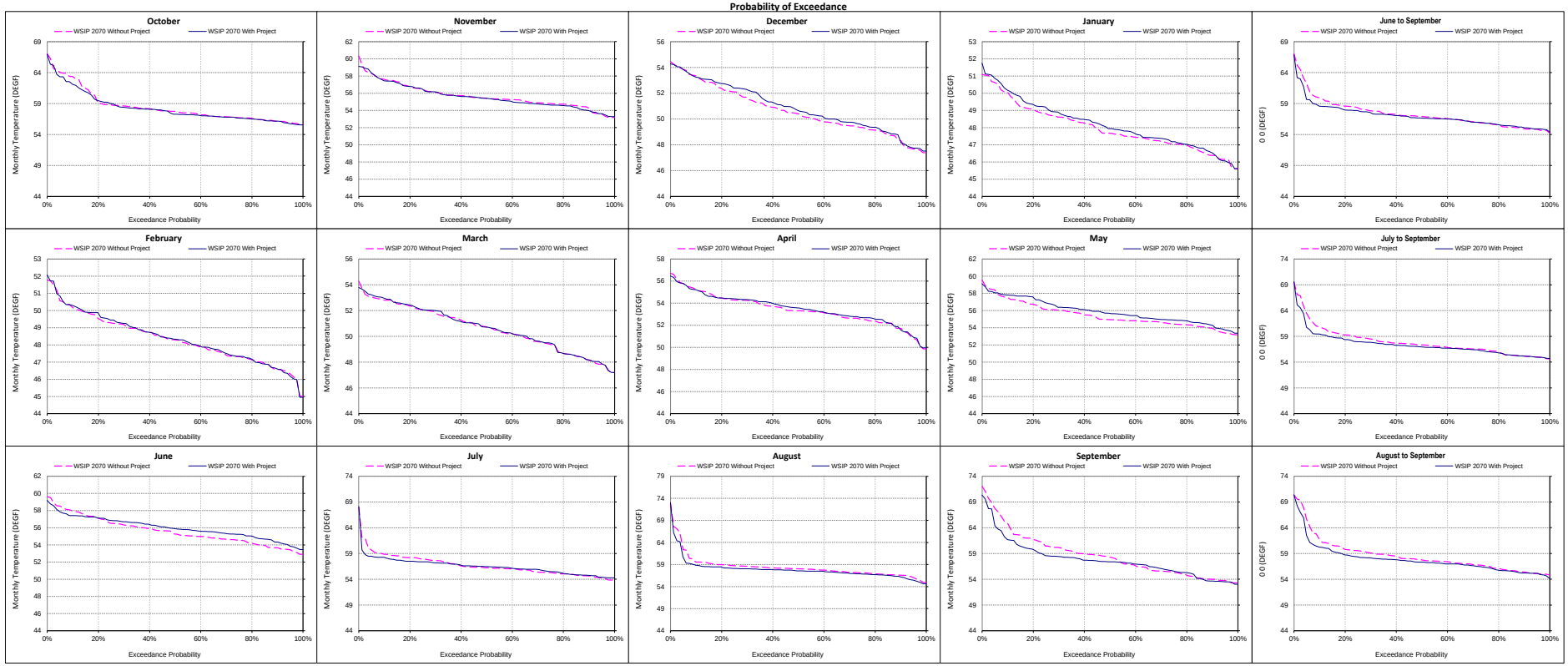


Table SQ5-1b

Sacramento River at Jellys Ferry, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.1	66.9	-0.1	-0.2%
1.2%	66.2	65.4	-0.9	-1.3%
2.5%	64.6	65.2	0.6	0.9%
3.7%	64.5	63.7	-0.9	-1.3%
4.9%	64.0	63.3	-0.7	-1.1%
6.2%	63.9	63.3	-0.6	-0.9%
7.4%	63.9	62.6	-1.3	-2.1%
8.6%	63.4	62.5	-0.9	-1.3%
9.9%	63.4	62.1	-1.3	-2.0%
11.1%	63.0	62.0	-1.1	-1.7%
12.3%	62.9	61.5	-1.4	-2.2%
13.6%	61.7	61.2	-0.5	-0.9%
14.8%	61.5	60.9	-0.6	-0.9%
16.0%	61.2	60.7	-0.5	-0.8%
17.3%	60.5	60.3	-0.2	-0.3%
18.5%	60.3	59.7	-0.6	-1.0%
19.8%	59.1	59.5	0.4	0.6%
21.0%	59.0	59.4	0.4	0.6%
22.2%	58.9	59.2	0.4	0.7%
23.5%	58.9	59.2	0.4	0.6%
24.7%	58.8	59.0	0.2	0.3%
25.9%	58.7	58.9	0.2	0.3%
27.2%	58.7	58.6	-0.1	-0.1%
28.4%	58.7	58.5	-0.2	-0.4%
29.6%	58.6	58.4	-0.2	-0.3%
30.9%	58.6	58.4	-0.2	-0.4%
32.1%	58.5	58.3	-0.2	-0.4%
33.3%	58.4	58.3	-0.2	-0.3%
34.6%	58.4	58.2	-0.2	-0.3%
35.8%	58.3	58.2	-0.1	-0.2%
37.0%	58.2	58.2	-0.1	-0.1%
38.3%	58.2	58.1	-0.1	-0.2%
39.5%	58.2	58.1	-0.1	-0.1%
40.7%	58.1	58.1	-0.1	-0.1%
42.0%	58.0	58.0	0.0	0.1%
43.2%	57.9	58.0	0.0	0.1%
44.4%	57.8	58.0	0.1	0.2%
45.7%	57.8	57.9	0.0	0.1%
46.9%	57.8	57.8	0.0	0.0%
48.1%	57.8	57.4	-0.3	-0.6%
49.4%	57.7	57.3	-0.5	-0.8%
50.6%	57.7	57.3	-0.5	-0.8%
51.9%	57.6	57.2	-0.3	-0.6%
53.1%	57.5	57.2	-0.3	-0.4%
54.3%	57.5	57.2	-0.3	-0.5%
55.6%	57.5	57.2	-0.3	-0.5%
56.8%	57.5	57.2	-0.3	-0.5%
58.0%	57.4	57.2	-0.3	-0.5%
59.3%	57.2	57.1	-0.1	-0.2%
60.5%	57.2	57.0	-0.1	-0.2%
61.7%	57.2	57.0	-0.2	-0.3%
63.0%	57.0	57.0	-0.1	-0.1%
64.2%	57.0	57.0	0.0	0.0%
65.4%	56.9	56.9	0.0	0.0%
66.7%	56.9	56.9	0.0	-0.1%
67.9%	56.9	56.8	-0.1	-0.1%
69.1%	56.9	56.8	-0.1	-0.1%
70.4%	56.9	56.8	-0.1	-0.1%
71.6%	56.8	56.8	0.0	0.0%
72.8%	56.8	56.8	0.0	0.0%
74.1%	56.8	56.7	-0.1	-0.1%
75.3%	56.7	56.7	0.0	-0.1%
76.5%	56.7	56.7	0.0	-0.1%
77.8%	56.7	56.6	-0.1	-0.2%
79.0%	56.7	56.6	-0.1	-0.2%
80.2%	56.6	56.5	-0.1	-0.1%
81.5%	56.4	56.5	0.1	0.1%
82.7%	56.4	56.4	0.0	0.1%
84.0%	56.4	56.4	0.0	0.0%
85.2%	56.4	56.3	-0.1	-0.2%
86.4%	56.3	56.2	-0.1	-0.2%
87.7%	56.3	56.2	-0.1	-0.2%
88.9%	56.2	56.2	0.0	0.0%
90.1%	56.1	56.1	0.0	0.0%
91.4%	56.1	56.1	0.0	0.0%
92.6%	56.1	55.9	-0.2	-0.4%
93.8%	56.0	55.9	-0.1	-0.2%
95.1%	55.9	55.7	-0.2	-0.4%
96.3%	55.8	55.7	-0.1	-0.2%
97.5%	55.8	55.6	-0.2	-0.4%
98.8%	55.6	55.6	0.0	-0.1%
100.0%	55.6	55.6	0.0	-0.1%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.3	59.1	-1.2	-2.0%
1.2%	59.3	59.1	-0.3	-0.5%
2.5%	58.6	58.9	0.3	0.5%
3.7%	58.4	58.8	0.4	0.6%
4.9%	58.3	58.4	0.1	0.1%
6.2%	58.1	58.1	0.0	0.0%
7.4%	57.8	57.8	0.0	0.0%
8.6%	57.7	57.6	-0.1	-0.1%
9.9%	57.6	57.5	-0.2	-0.3%
11.1%	57.5	57.4	-0.1	-0.2%
12.3%	57.5	57.4	-0.1	-0.1%
13.6%	57.5	57.4	-0.1	-0.1%
14.8%	57.3	57.2	-0.1	-0.1%
16.0%	57.3	57.2	-0.2	-0.3%
17.3%	56.9	56.9	-0.1	-0.1%
18.5%	56.9	56.8	-0.1	-0.2%
19.8%	56.8	56.8	0.0	0.0%
21.0%	56.7	56.8	0.1	0.2%
22.2%	56.6	56.6	0.0	0.1%
23.5%	56.6	56.6	0.0	0.1%
24.7%	56.5	56.5	0.0	0.0%
25.9%	56.3	56.2	-0.1	-0.2%
27.2%	56.2	56.2	0.0	0.0%
28.4%	56.2	56.2	0.0	0.0%
29.6%	56.1	56.2	0.0	0.0%
30.9%	56.1	56.1	0.1	0.1%
32.1%	56.0	55.9	-0.1	-0.2%
33.3%	56.0	55.8	-0.1	-0.3%
34.6%	55.8	55.8	0.0	0.0%
35.8%	55.8	55.8	0.0	0.0%
37.0%	55.8	55.8	0.0	0.0%
38.3%	55.7	55.7	-0.1	-0.1%
39.5%	55.7	55.6	-0.1	-0.2%
40.7%	55.7	55.6	-0.1	-0.2%
42.0%	55.7	55.6	0.0	-0.1%
43.2%	55.7	55.6	-0.1	-0.1%
44.4%	55.5	55.6	0.1	0.1%
45.7%	55.5	55.5	0.0	0.1%
46.9%	55.5	55.5	0.0	0.0%
48.1%	55.5	55.4	0.0	0.0%
49.4%	55.4	55.4	0.0	0.0%
50.6%	55.4	55.4	0.0	0.0%
51.9%	55.4	55.3	-0.1	-0.1%
53.1%	55.3	55.3	-0.1	-0.1%
54.3%	55.3	55.3	-0.1	-0.2%
55.6%	55.3	55.2	-0.2	-0.3%
56.8%	55.3	55.1	-0.2	-0.3%
58.0%	55.3	55.1	-0.2	-0.3%
59.3%	55.3	55.1	-0.2	-0.3%
60.5%	55.3	55.0	-0.3	-0.5%
61.7%	55.2	54.9	-0.3	-0.5%
63.0%	55.2	54.9	-0.3	-0.6%
64.2%	55.1	54.9	-0.2	-0.3%
65.4%	55.1	54.9	-0.2	-0.4%
66.7%	55.0	54.8	-0.2	-0.3%
67.9%	54.9	54.8	-0.1	-0.3%
69.1%	54.9	54.8	-0.1	-0.2%
70.4%	54.9	54.8	-0.1	-0.3%
71.6%	54.9	54.7	-0.1	-0.2%
72.8%	54.8	54.7	-0.2	-0.3%
74.1%	54.8	54.6	-0.2	-0.3%
75.3%	54.8	54.6	-0.2	-0.3%
76.5%	54.8	54.6	-0.1	-0.2%
77.8%	54.7	54.6	-0.1	-0.2%
79.0%	54.7	54.6	-0.1	-0.3%
80.2%	54.7	54.5	-0.2	-0.3%
81.5%	54.7	54.5	-0.2	-0.3%
82.7%	54.6	54.5	-0.1	-0.2%
84.0%	54.6	54.4	-0.2	-0.3%
85.2%	54.6	54.3	-0.2	-0.4%
86.4%	54.5	54.2	-0.3	-0.5%
87.7%	54.4	54.1	-0.4	-0.7%
88.9%	54.4	54.0	-0.4	-0.7%
90.1%	54.2	54.0	-0.3	-0.5%
91.4%	53.7	53.8	0.1	0.1%
92.6%	53.7	53.8	0.1	0.2%
93.8%	53.6	53.6	0.0	0.0%
95.1%	53.6	53.6	0.0	0.1%
96.3%	53.3	53.5	0.2	0.3%
97.5%	53.2	53.3	0.1	0.2%
98.8%	53.2	53.3	0.1	0.2%
100.0%	53.2	53.3	0.1	0.2%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.5	54.3	-0.2	-0.3%
1.2%	54.3	54.2	0.0	-0.1%
2.5%	54.1	54.1	-0.1	-0.1%
3.7%	54.0	54.1	0.1	0.1%
4.9%	53.9	53.9	0.0	0.0%
6.2%	53.8	53.7	-0.1	-0.1%
7.4%	53.5	53.5	0.1	0.1%
8.6%	53.4	53.4	0.0	-0.1%
9.9%	53.4	53.3	-0.1	-0.2%
11.1%	53.2	53.2	0.1	0.1%
12.3%	53.0	53.1	0.1	0.1%
13.6%	52.9	53.1	0.2	0.4%
14.8%	52.9	53.1	0.2	0.4%
16.0%	52.8	53.1	0.2	0.4%
17.3%	52.8	52.9	0.1	0.3%
18.5%	52.5	52.8	0.4	0.7%
19.8%	52.4	52.8	0.4	0.7%
21.0%	52.2	52.7	0.5	0.9%
22.2%	52.2	52.7	0.5	0.9%
23.5%	52.1	52.6	0.5	0.9%
24.7%	52.1	52.4	0.3	0.6%
25.9%	52.1	52.4	0.3	0.6%
27.2%	51.8	52.4	0.5	1.0%
28.4%	51.7	52.4	0.6	1.3%
29.6%	51.7	52.3	0.6	1.2%
30.9%	51.5	52.2	0.7	1.3%
32.1%	51.4	52.1	0.7	1.3%
33.3%	51.3	52.1	0.8	1.6%
34.6%	51.2	51.9	0.6	1.2%
35.8%	51.2	51.6	0.4	0.7%
37.0%	51.0	51.5	0.4	0.8%
38.3%	51.0	51.3	0.4	0.7%
39.5%	50.9	51.3	0.4	0.8%
40.7%	50.9	51.2	0.3	0.6%
42.0%	50.8	51.1	0.3	0.6%
43.2%	50.7	51.1	0.4	0.8%
44.4%	50.7	51.0	0.3	0.6%
45.7%	50.5	51.0	0.5	0.9%
46.9%	50.5	51.0	0.5	0.9%
48.1%	50.5	50.9	0.4	0.8%
49.4%	50.4	50.7	0.3	0.5%
50.6%	50.4	50.6	0.2	0.5%
51.9%	50.2	50.6	0.4	0.7%
53.1%	50.1	50.5	0.4	0.8%
54.3%	50.1	50.3	0.2	0.4%
55.6%	50.0	50.3	0.3	0.6%
56.8%	50.0	50.3	0.3	0.6%
58.0%	49.9	50.3	0.4	0.8%
59.3%	49.8	50.2	0.4	0.8%
60.5%	49.8	50.0	0.3	0.5%
61.7%	49.8	50.0	0.3	0.5%
63.0%	49.7	50.0	0.3	0.6%
64.2%	49.7	50.0	0.3	0.6%
65.4%	49.7	49.9	0.3	0.6%
66.7%	49.5	49.8	0.3	0.5%
67.9%	49.5	49.8	0.3	0.5%
69.1%	49.5	49.8	0.2	0.5%
70.4%	49.5	49.7	0.3	0.6%
71.6%	49.5	49.7	0.3	0.6%
72.8%	49.4	49.7	0.2	0.5%
74.1%	49.3	49.6	0.3	0.5%
75.3%	49.3	49.5	0.2	0.3%
76.5%	49.2	49.5	0.3	0.5%
77.8%	49.2	49.4	0.2	0.4%
79.0%	49.2	49.4	0.2	0.4%
80.2%	49.1	49.4	0.2	0.5%
81.5%	49.1	49.3	0.2	0.3%
82.7%	49.0	49.1	0.0	0.1%
84.0%	48.9	49.0	0.1	0.3%
85.2%	48.8	49.0	0.2	0.4%
86.4%	48.7	48.8	0.1	0.2%
87.7%	48.7	48.8	0.1	0.3%
88.9%	48.4	48.8	0.4	0.8%
90.1%	48.3	48.1	-0.2	-0.4%
91.4%	47.9	48.1	0.2	0.4%
92.6%	47.8	47.9	0.1	0.3%
93.8%	47.7	47.8	0.1	0.2%
95.1%	47.7	47.8	0.1	0.2%
96.3%	47.7	47.8	0.1	0.2%
97.5%	47.6	47.7	0.1	0.3%
98.8%	47.4	47.5	0.1	0.3%
100.0%	47.4	47.5	0.1	0.3%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	51.1	51.8	0.7	1.3%
1.2%	51.1	51.1	0.1	0.1%
2.5%	51.0	51.1	0.1	0.1%
3.7%	50.7	51.1	0.4	0.7%
4.9%	50.6	50.9	0.2	0.5%
6.2%	50.5	50.8	0.2	0.5%
7.4%	50.2	50.6	0.4	0.8%
8.6%	50.1	50.3	0.2	0.5%
9.9%	50.1	50.2	0.1	0.2%
11.1%	49.8	50.1	0.3	0.5%
12.3%	49.7	50.0	0.3	0.6%
13.6%	49.4	49.9	0.5	0.9%
14.8%	49.2	49.8	0.6	1.2%
16.0%	49.2	49.6	0.4	0.7%
17.3%	49.1	49.4	0.3	0.6%
18.5%	49.1	49.4	0.3	0.6%
19.8%	49.1	49.4	0.3	0.5%
21.0%	49.0	49.3	0.3	0.6%
22.2%	48.9	49.2	0.3	0.7%
23.5%	48.8	49.2	0.4	0.8%
24.7%	48.8	49.2	0.4	0.7%
25.9%	48.7	49.0	0.3	0.6%
27.2%	48.7	48.9	0.2	0.5%
28.4%	48.7	48.9	0.2	0.5%
29.6%	48.6	48.9	0.3	0.6%
30.9%	48.6	48.8	0.2	0.4%
32.1%	48.6	48.7	0.1	0.3%
33.3%	48.6	48.7	0.1	0.2%
34.6%	48.5	48.6	0.2	0.4%
35.8%	48.4	48.6	0.1	0.3%
37.0%	48.4	48.5	0.2	0.4%
38.3%	48.3	48.5	0.2	0.4%
39.5%	48.3	48.5	0.2	0.4%
40.7%	48.2	48.4	0.2	0.4%
42.0%	48.2	48.4	0.3	0.5%
43.2%	48.2	48.3	0.1	0.3%
44.4%	48.0	48.3	0.3	0.7%
45.7%	47.9	48.2	0.4	0.8%
46.9%	47.7	48.1	0.5	0.9%
48.1%	47.7	48.1	0.4	0.8%
49.4%	47.7	47.9	0.3	0.6%
50.6%	47.7	47.9	0.3	0.6%
51.9%	47.6	47.9	0.3	0.6%
53.1%	47.6	47.9	0.3	0.5%
54.3%	47.6	47.8	0.2	0.5%
55.6%	47.5	47.8	0.3	0.6%
56.8%	47.5	47.8	0.3	0.7%
58.0%	47.5	47.8	0.3	0.6%
59.3%	47.4	47.7	0.2	0.5%
60.5%	47.4	47.6	0.2	0.4%
61.7%	47.4	47.6	0.2	0.3%
63.0%	47.4	47.4	0.0	0.0%
64.2%	47.3	47.4	0.1	0.2%
65.4%	47.3	47.4	0.1	0.2%
66.7%	47.3	47.4	0.2	0.3%
67.9%	47.2	47.4	0.2	0.3%
69.1%	47.2	47.4	0.1	0.3%
70.4%	47.2	47.4	0.2	0.4%
71.6%	47.2	47.3	0.2	0.4%
72.8%	47.1	47.3	0.2	0.4%
74.1%	47.1	47.2	0.1	0.2%
75.3%	47.0	47.2	0.1	0.3%
76.5%	47.0	47.1	0.1	0.2%
77.8%	47.0	47.1	0.1	0.1%
79.0%	47.0	47.0	0.1	0.1%
80.2%	47.0	47.0	0.1	0.1%
81.5%	46.9	47.0	0.1	0.2%
82.7%	46.8	46.9	0.1	0.3%
84.0%	46.7	46.9	0.1	0.3%
85.2%	46.6	46.8	0.2	0.4%
86.4%	46.6	46.8	0.3	0.6%
87.7%	46.5	46.7	0.2	0.4%
88.9%	46.4	46.6	0.2	0.5%
90.1%	46.4	46.5	0.1	0.3%
91.4%	46.4	46.4	0.0	0.0%
92.6%	46.2	46.2	0.0	-0.1%
93.8%	46.2	46.1	-0.1	-0.2%
95.1%	46.2	46.1	-0.1	-0.2%
96.3%	46.1	46.0	-0.2	-0.4%
97.5%	45.7	45.9	0.2	0.5%
98.8%	45.6	45.6	0.0	0.0%
100.0%	45.6	45.6	0.0	0.0%

Table SQ5-1b

Sacramento River at Jellys Ferry, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	51.8	52.1	0.3	0.6%
1.2%	51.7	51.7	0.0	0.0%
2.5%	51.5	51.7	0.2	0.4%
3.7%	51.2	51.0	-0.2	-0.4%
4.9%	50.6	50.8	0.3	0.5%
6.2%	50.5	50.5	0.0	0.0%
7.4%	50.4	50.3	0.0	0.0%
8.6%	50.4	50.3	0.0	0.0%
9.9%	50.2	50.3	0.1	0.2%
11.1%	50.1	50.2	0.2	0.3%
12.3%	50.0	50.1	0.1	0.2%
13.6%	50.0	50.0	0.1	0.2%
14.8%	49.9	49.9	0.0	0.0%
16.0%	49.8	49.9	0.1	0.1%
17.3%	49.8	49.9	0.1	0.2%
18.5%	49.8	49.9	0.1	0.2%
19.8%	49.5	49.9	0.3	0.7%
21.0%	49.5	49.6	0.1	0.3%
22.2%	49.3	49.6	0.2	0.5%
23.5%	49.3	49.5	0.2	0.5%
24.7%	49.3	49.4	0.2	0.3%
25.9%	49.3	49.4	0.2	0.4%
27.2%	49.2	49.3	0.1	0.2%
28.4%	49.2	49.3	0.1	0.1%
29.6%	49.2	49.3	0.1	0.1%
30.9%	49.1	49.2	0.2	0.3%
32.1%	49.0	49.1	0.1	0.2%
33.3%	49.0	49.0	0.1	0.1%
34.6%	49.0	49.0	0.0	0.0%
35.8%	49.0	48.9	-0.1	-0.2%
37.0%	48.8	48.9	0.1	0.1%
38.3%	48.8	48.8	0.0	0.0%
39.5%	48.7	48.7	0.0	0.0%
40.7%	48.7	48.7	0.0	0.0%
42.0%	48.6	48.7	0.1	0.2%
43.2%	48.6	48.6	0.1	0.1%
44.4%	48.5	48.5	0.0	-0.1%
45.7%	48.5	48.5	0.0	0.0%
46.9%	48.4	48.4	0.1	0.1%
48.1%	48.3	48.4	0.1	0.2%
49.4%	48.3	48.3	0.0	0.1%
50.6%	48.3	48.3	0.0	0.1%
51.9%	48.3	48.3	0.0	0.1%
53.1%	48.1	48.3	0.2	0.3%
54.3%	48.1	48.2	0.1	0.2%
55.6%	48.0	48.1	0.1	0.3%
56.8%	48.0	48.0	0.0	0.1%
58.0%	48.0	48.0	0.0	0.0%
59.3%	47.9	48.0	0.1	0.1%
60.5%	47.9	47.9	0.0	0.0%
61.7%	47.9	47.9	0.0	0.1%
63.0%	47.7	47.9	0.2	0.3%
64.2%	47.7	47.8	0.1	0.2%
65.4%	47.7	47.7	0.0	0.1%
66.7%	47.6	47.7	0.1	0.3%
67.9%	47.6	47.6	0.1	0.2%
69.1%	47.5	47.5	0.0	0.1%
70.4%	47.4	47.5	0.1	0.2%
71.6%	47.3	47.4	0.1	0.1%
72.8%	47.3	47.4	0.0	0.1%
74.1%	47.3	47.3	0.0	0.0%
75.3%	47.3	47.3	0.0	0.0%
76.5%	47.3	47.3	0.1	0.2%
77.8%	47.2	47.2	0.0	0.0%
79.0%	47.2	47.2	0.1	0.1%
80.2%	47.1	47.1	0.0	0.0%
81.5%	47.0	47.0	-0.1	-0.1%
82.7%	47.0	47.0	0.0	-0.1%
84.0%	47.0	46.9	-0.1	-0.2%
85.2%	46.9	46.9	0.0	0.0%
86.4%	46.9	46.9	0.0	0.0%
87.7%	46.7	46.7	0.0	0.0%
88.9%	46.6	46.7	0.1	0.2%
90.1%	46.6	46.6	0.0	0.0%
91.4%	46.6	46.6	0.0	0.0%
92.6%	46.5	46.4	-0.1	-0.3%
93.8%	46.4	46.3	-0.1	-0.1%
95.1%	46.3	46.2	-0.1	-0.3%
96.3%	46.1	46.0	-0.1	-0.2%
97.5%	46.0	46.0	0.0	0.1%
98.8%	45.0	44.9	-0.1	-0.1%
100.0%	45.0	44.9	-0.1	-0.1%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.3	53.8	-0.5	-0.9%
1.2%	53.7	53.7	-0.1	-0.1%
2.5%	53.3	53.5	0.2	0.4%
3.7%	53.1	53.3	0.2	0.3%
4.9%	53.1	53.2	0.2	0.3%
6.2%	53.0	53.1	0.1	0.3%
7.4%	52.9	53.1	0.1	0.3%
8.6%	52.9	53.0	0.2	0.3%
9.9%	52.8	53.0	0.1	0.3%
11.1%	52.8	52.9	0.1	0.1%
12.3%	52.8	52.9	0.1	0.1%
13.6%	52.8	52.6	-0.2	-0.3%
14.8%	52.5	52.6	0.1	0.1%
16.0%	52.5	52.6	0.1	0.2%
17.3%	52.5	52.5	0.1	0.1%
18.5%	52.5	52.5	0.0	0.0%
19.8%	52.4	52.4	0.1	0.1%
21.0%	52.3	52.4	0.1	0.1%
22.2%	52.2	52.2	0.1	0.2%
23.5%	52.1	52.1	0.0	0.1%
24.7%	52.1	52.1	0.0	0.0%
25.9%	52.0	52.0	0.0	0.0%
27.2%	52.0	52.0	0.0	0.0%
28.4%	51.9	52.0	0.1	0.1%
29.6%	51.9	52.0	0.1	0.2%
30.9%	51.7	52.0	0.3	0.5%
32.1%	51.6	51.9	0.3	0.6%
33.3%	51.5	51.7	0.1	0.2%
34.6%	51.5	51.6	0.1	0.2%
35.8%	51.5	51.4	0.0	0.0%
37.0%	51.5	51.3	-0.2	-0.3%
38.3%	51.4	51.2	-0.2	-0.4%
39.5%	51.3	51.2	-0.1	-0.2%
40.7%	51.2	51.1	-0.1	-0.1%
42.0%	51.1	51.0	0.0	-0.1%
43.2%	51.1	51.0	0.0	-0.1%
44.4%	51.0	51.0	0.0	0.0%
45.7%	50.8	51.0	0.2	0.3%
46.9%	50.8	51.0	0.1	0.2%
48.1%	50.8	50.7	-0.1	-0.1%
49.4%	50.7	50.7	0.0	-0.1%
50.6%	50.7	50.7	0.0	0.0%
51.9%	50.6	50.6	0.0	0.0%
53.1%	50.5	50.6	0.1	0.2%
54.3%	50.5	50.5	0.0	0.0%
55.6%	50.3	50.4	0.1	0.2%
56.8%	50.3	50.3	0.0	0.1%
58.0%	50.2	50.3	0.1	0.2%
59.3%	50.2	50.3	0.1	0.1%
60.5%	50.2	50.2	0.0	0.0%
61.7%	50.1	50.1	0.0	0.0%
63.0%	50.1	50.1	0.0	-0.1%
64.2%	50.0	50.1	0.1	0.1%
65.4%	49.9	50.0	0.2	0.3%
66.7%	49.8	49.8	0.0	0.0%
67.9%	49.6	49.8	0.2	0.4%
69.1%	49.6	49.6	0.0	0.1%
70.4%	49.6	49.6	0.0	0.1%
71.6%	49.5	49.6	0.0	0.1%
72.8%	49.5	49.5	0.0	0.1%
74.1%	49.4	49.5	0.1	0.2%
75.3%	49.4	49.5	0.1	0.2%
76.5%	49.3	49.3	0.0	0.0%
77.8%	48.8	48.8	-0.1	-0.2%
79.0%	48.7	48.7	0.0	0.0%
80.2%	48.7	48.6	0.0	-0.1%
81.5%	48.6	48.6	0.0	0.0%
82.7%	48.6	48.6	0.0	0.0%
84.0%	48.6	48.6	0.0	0.0%
85.2%	48.4	48.5	0.0	0.0%
86.4%	48.4	48.4	0.0	0.0%
87.7%	48.4	48.4	0.0	-0.1%
88.9%	48.2	48.2	0.0	-0.1%
90.1%	48.1	48.2	0.0	0.1%
91.4%	48.1	48.1	0.0	-0.1%
92.6%	47.9	48.1	0.1	0.3%
93.8%	47.8	48.0	0.2	0.4%
95.1%	47.8	47.9	0.0	0.1%
96.3%	47.7	47.8	0.0	0.0%
97.5%	47.4	47.3	0.0	0.0%
98.8%	47.2	47.2	0.0	0.0%
100.0%	47.2	47.2	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.7	56.5	-0.3	-0.4%
1.2%	56.6	56.3	-0.3	-0.5%
2.5%	56.2	55.9	-0.2	-0.4%
3.7%	55.9	55.8	0.0	-0.1%
4.9%	55.8	55.8	0.0	0.1%
6.2%	55.6	55.6	0.0	0.1%
7.4%	55.5	55.3	-0.2	-0.3%
8.6%	55.4	55.2	-0.1	-0.3%
9.9%	55.2	55.2	0.0	0.0%
11.1%	55.1	55.1	0.0	0.0%
12.3%	55.1	55.0	0.0	-0.1%
13.6%	55.1	54.8	-0.3	-0.5%
14.8%	54.9	54.6	-0.3	-0.5%
16.0%	54.8	54.6	-0.2	-0.4%
17.3%	54.6	54.5	-0.1	-0.1%
18.5%	54.5	54.5	0.0	0.0%
19.8%	54.5	54.5	0.0	0.0%
21.0%	54.4	54.5	0.0	0.1%
22.2%	54.4	54.4	0.0	0.1%
23.5%	54.3	54.4	0.1	0.2%
24.7%	54.3	54.4	0.1	0.2%
25.9%	54.3	54.4	0.1	0.2%
27.2%	54.3	54.4	0.1	0.2%
28.4%	54.3	54.3	0.1	0.1%
29.6%	54.3	54.3	0.1	0.1%
30.9%	54.2	54.3	0.1	0.1%
32.1%	54.2	54.3	0.1	0.2%
33.3%	54.1	54.2	0.1	0.2%
34.6%	53.9	54.1	0.2	0.4%
35.8%	53.9	54.1	0.2	0.4%
37.0%	53.8	54.1	0.3	0.6%
38.3%	53.7	54.1	0.3	0.6%
39.5%	53.7	54.0	0.3	0.5%
40.7%	53.7	53.9	0.2	0.4%
42.0%	53.6	53.9	0.2	0.4%
43.2%	53.6	53.8	0.2	0.3%
44.4%	53.5	53.7	0.3	0.5%
45.7%	53.3	53.7	0.3	0.6%
46.9%	53.3	53.6	0.3	0.6%
48.1%	53.3	53.6	0.3	0.5%
49.4%	53.3	53.6	0.3	0.5%
50.6%	53.3	53.6	0.3	0.5%
51.9%	53.3	53.5	0.2	0.3%
53.1%	53.3	53.4	0.1	0.3%
54.3%	53.3	53.4	0.2	0.3%
55.6%	53.2	53.4	0.1	0.2%
56.8%	53.2	53.3	0.1	0.2%
58.0%	53.2	53.2	0.0	0.1%
59.3%	53.2	53.2	0.1	0.1%
60.5%	53.1	53.2	0.1	0.1%
61.7%	53.1	53.1	0.0	0.0%
63.0%	53.0	53.1	0.0	0.0%
64.2%	53.0	53.0	0.0	0.1%
65.4%	52.9	53.0	0.0	0.1%
66.7%	52.8	52.9	0.2	0.3%
67.9%	52.7	52.9	0.2	0.3%
69.1%	52.7	52.8	0.2	0.4%
70.4%	52.6	52.8	0.2	0.3%
71.6%	52.6	52.8	0.1	0.3%
72.8%	52.6	52.8	0.1	0.3%
74.1%	52.6	52.7	0.1	0.3%
75.3%	52.5	52.7	0.2	0.3%
76.5%	52.5	52.7	0.2	0.4%
77.8%	52.4	52.7	0.3	0.6%
79.0%	52.4	52.6	0.3	0.5%
80.2%	52.4	52.5	0.2	0.3%
81.5%	52.2	52.5	0.3	0.6%
82.7%	52.2	52.5	0.3	0.5%
84.0%	52.2	52.3	0.1	0.2%
85.2%	52.2	52.2	0.0	0.0%
86.4%	52.2	52.2	0.0	0.0%
87.7%	51.8	51.9	0.1	0.2%
88.9%	51.7	51.9	0.1	0.3%
90.1%	51.7	51.5	-0.2	-0.4%
91.4%	51.4	51.4	0.0	0.0%
92.6%	51.3	51.4	0.1	0.2%
93.8%	51.0	51.1	0.1	0.2%
95.1%	50.8	50.9	0.1	0.2%
96.3%	50.7	50.8	0.2	0.3%
97.5%	50.1	50.1	0.0	-0.1%
98.8%	49.9	49.9	0.1	0.2%
100.0%	49.9	49.9	0.1	0.2%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	59.5	59.1	-0.4	-0.8%
1.2%	58.9	58.8	-0.1	-0.2%
2.5%	58.6	58.3	-0.3	-0.5%
3.7%	58.5	58.2	-0.3	-0.5%
4.9%	58.4	58.1	-0.3	-0.6%
6.2%	57.9	58.0	0.2	0.3%
7.4%	57.7	57.9	0.2	0.4%
8.6%	57.6	57.8	0.3	0.5%
9.9%	57.5	57.8	0.3	0.5%
11.1%	57.3	57.8	0.5	0.9%
12.3%	57.3	57.8	0.5	0.9%
13.6%	57.2	57.7	0.4	0.8%
14.8%	57.1	57.7	0.6	1.0%
16.0%	57.1	57.7	0.6	1.0%
17.3%	56.9	57.7	0.8	1.4%
18.5%	56.8	57.6	0.9	1.5%
19.8%	56.8	57.6	0.8	1.5%
21.0%	56.6	57.3	0.6	1.1%
22.2%	56.6	57.3	0.7	1.2%
23.5%	56.2	57.1	0.9	1.6%
24.7%	56.1	56.9	0.8	1.3%
25.9%	56.1	56.8	0.7	1.2%
27.2%	56.1	56.7	0.6	1.2%
28.4%	56.1	56.6	0.5	0.9%
29.6%	56.0	56.4	0.3	0.6%
30.9%	56.0	56.4	0.4	0.6%
32.1%	56.0	56.4	0.4	0.7%
33.3%	55.9	56.3	0.5	0.8%
34.6%	55.9	56.3	0.5	0.8%
35.8%	55.8	56.3	0.5	0.9%
37.0%	55.7	56.3	0.5	1.0%
38.3%	55.7	56.1	0.4	0.8%
39.5%	55.5	56.1	0.6	1.1%
40.7%	55.5	56.1	0.6	1.1%
42.0%	55.5	56.0	0.6	1.0%
43.2%	55.4	55.9	0.5	0.9%
44.4%	55.2	55.9	0.7	1.2%
45.7%	55.0	55.9	0.9	1.6%
46.9%	55.0	55.8	0.8	1.4%
48.1%	55.0	55.7	0.7	1.3%
49.4%	54.9	55.7	0.8	1.4%
50.6%	54.9	55.6	0.7	1.3%
51.9%	54.9	55.6	0.7	1.3%
53.1%	54.9	55.6	0.7	1.3%
54.3%	54.9	55.6	0.7	1.3%
55.6%	54.9	55.6	0.7	1.3%
56.8%	54.8	55.5	0.7	1.2%
58.0%	54.8	55.4	0.6	1.1%
59.3%	54.8	55.4	0.6	1.1%
60.5%	54.8	55.4	0.6	1.1%
61.7%	54.8	55.2	0.4	0.7%
63.0%	54.7	55.1	0.4	0.7%
64.2%	54.7	55.1	0.4	0.7%
65.4%	54.7	55.1	0.4	0.7%
66.7%	54.7	55.1	0.3	0.6%
67.9%	54.7	55.0	0.3	0.6%
69.1%	54.7	55.0	0.3	0.6%
70.4%	54.6	55.0	0.4	0.7%
71.6%	54.6	54.9	0.4	0.7%
72.8%	54.5	54.9	0.4	0.8%
74.1%	54.5	54.9	0.5	0.8%
75.3%	54.4	54.9	0.5	0.9%
76.5%	54.4	54.8	0.5	0.8%
77.8%	54.4	54.8	0.5	0.9%
79.0%	54.4	54.8	0.4	0.8%
80.2%	54.3	54.8	0.5	0.8%
81.5%	54.3	54.7	0.3	0.6%
82.7%	54.3	54.6	0.4	0.7%
84.0%	54.2	54.6	0.4	0.8%
85.2%	54.1	54.6	0.5	0.8%
86.4%	54.1	54.5	0.4	0.7%
87.7%	54.0	54.5	0.4	0.8%
88.9%	54.0	54.4	0.4	0.7%
90.1%	53.9	54.3	0.3	0.6%
91.4%	53.7	54.0	0.2	0.4%
92.6%	53.5	53.9	0.4	0.7%
93.8%	53.5	53.8	0.4	0.7%
95.1%	53.4	53.8	0.4	0.7%
96.3%	53.4	53.7	0.3	0.6%
97.5%	53.3	53.6	0.3	0.6%
98.8%	53.2	53.4	0.2	0.3%
100.0%	53.2	53.4	0.2	0.3%

Table SQ5-1b

Sacramento River at Jellys Ferry, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	59.6	59.2	-0.4	-0.7%
1.2%	59.5	58.8	-0.7	-1.2%
2.5%	58.9	58.6	-0.3	-0.6%
3.7%	58.6	58.1	-0.4	-0.7%
4.9%	58.5	57.8	-0.7	-1.2%
6.2%	58.3	57.7	-0.6	-1.1%
7.4%	58.1	57.6	-0.5	-0.8%
8.6%	58.1	57.4	-0.7	-1.2%
9.9%	58.0	57.4	-0.5	-0.9%
11.1%	57.9	57.4	-0.5	-0.8%
12.3%	57.8	57.4	-0.4	-0.7%
13.6%	57.6	57.4	-0.3	-0.5%
14.8%	57.5	57.3	-0.2	-0.4%
16.0%	57.3	57.3	-0.1	-0.1%
17.3%	57.3	57.3	-0.1	-0.1%
18.5%	57.3	57.2	-0.1	-0.1%
19.8%	57.1	57.1	0.0	0.0%
21.0%	57.0	57.1	0.1	0.2%
22.2%	57.0	57.1	0.1	0.3%
23.5%	56.7	56.9	0.2	0.4%
24.7%	56.5	56.8	0.3	0.6%
25.9%	56.5	56.8	0.3	0.6%
27.2%	56.4	56.8	0.4	0.7%
28.4%	56.4	56.8	0.3	0.6%
29.6%	56.3	56.7	0.4	0.6%
30.9%	56.3	56.7	0.4	0.7%
32.1%	56.2	56.6	0.4	0.8%
33.3%	56.2	56.6	0.4	0.7%
34.6%	56.2	56.6	0.5	0.8%
35.8%	56.0	56.6	0.6	1.0%
37.0%	56.0	56.5	0.5	0.9%
38.3%	56.0	56.4	0.4	0.8%
39.5%	55.9	56.4	0.5	0.9%
40.7%	55.9	56.3	0.4	0.8%
42.0%	55.7	56.3	0.5	1.0%
43.2%	55.7	56.2	0.5	0.9%
44.4%	55.7	56.1	0.4	0.8%
45.7%	55.7	56.1	0.5	0.8%
46.9%	55.6	56.0	0.4	0.7%
48.1%	55.6	56.0	0.3	0.6%
49.4%	55.3	55.9	0.6	1.2%
50.6%	55.2	55.9	0.6	1.1%
51.9%	55.1	55.8	0.7	1.3%
53.1%	55.1	55.8	0.7	1.3%
54.3%	55.1	55.8	0.7	1.3%
55.6%	55.1	55.8	0.7	1.3%
56.8%	55.0	55.7	0.7	1.2%
58.0%	55.0	55.7	0.7	1.3%
59.3%	55.0	55.6	0.6	1.1%
60.5%	55.0	55.6	0.6	1.1%
61.7%	55.0	55.6	0.6	1.1%
63.0%	54.9	55.6	0.6	1.2%
64.2%	54.8	55.5	0.7	1.3%
65.4%	54.8	55.5	0.7	1.3%
66.7%	54.8	55.4	0.6	1.2%
67.9%	54.7	55.4	0.7	1.3%
69.1%	54.7	55.4	0.7	1.2%
70.4%	54.6	55.3	0.7	1.2%
71.6%	54.6	55.3	0.6	1.2%
72.8%	54.6	55.3	0.6	1.2%
74.1%	54.6	55.2	0.7	1.2%
75.3%	54.5	55.2	0.7	1.3%
76.5%	54.5	55.2	0.7	1.3%
77.8%	54.4	55.1	0.7	1.2%
79.0%	54.2	55.0	0.9	1.6%
80.2%	54.2	55.0	0.9	1.6%
81.5%	54.1	54.8	0.8	1.4%
82.7%	54.0	54.7	0.8	1.4%
84.0%	54.0	54.7	0.7	1.3%
85.2%	53.9	54.7	0.7	1.4%
86.4%	53.7	54.7	0.9	1.8%
87.7%	53.7	54.6	0.9	1.7%
88.9%	53.7	54.3	0.7	1.2%
90.1%	53.7	54.3	0.7	1.2%
91.4%	53.5	54.2	0.7	1.3%
92.6%	53.5	54.1	0.6	1.2%
93.8%	53.5	54.1	0.6	1.1%
95.1%	53.4	53.8	0.4	0.8%
96.3%	53.2	53.8	0.6	1.0%
97.5%	53.1	53.6	0.5	0.9%
98.8%	52.9	53.5	0.6	1.0%
100.0%	52.9	53.5	0.6	1.0%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.9	68.1	0.2	0.3%
1.2%	62.2	59.7	-2.5	-4.0%
2.5%	62.0	58.8	-3.2	-5.2%
3.7%	60.2	58.5	-1.7	-2.8%
4.9%	59.7	58.5	-1.2	-2.1%
6.2%	59.2	58.3	-0.9	-1.6%
7.4%	59.1	58.3	-0.8	-1.4%
8.6%	59.0	58.3	-0.7	-1.3%
9.9%	58.8	58.3	-0.6	-1.0%
11.1%	58.8	58.1	-0.8	-1.3%
12.3%	58.6	57.9	-0.7	-1.2%
13.6%	58.6	57.8	-0.8	-1.3%
14.8%	58.5	57.7	-0.8	-1.4%
16.0%	58.5	57.7	-0.8	-1.4%
17.3%	58.3	57.6	-0.7	-1.2%
18.5%	58.2	57.5	-0.7	-1.2%
19.8%	58.2	57.5	-0.7	-1.2%
21.0%	58.2	57.5	-0.7	-1.2%
22.2%	58.2	57.5	-0.7	-1.2%
23.5%	58.0	57.4	-0.6	-1.1%
24.7%	57.9	57.4	-0.5	-0.9%
25.9%	57.9	57.4	-0.5	-0.9%
27.2%	57.8	57.4	-0.4	-0.7%
28.4%	57.7	57.3	-0.4	-0.6%
29.6%	57.6	57.2	-0.4	-0.8%
30.9%	57.6	57.2	-0.4	-0.7%
32.1%	57.6	57.2	-0.4	-0.7%
33.3%	57.4	57.1	-0.2	-0.4%
34.6%	57.3	57.1	-0.1	-0.2%
35.8%	57.0	57.0	0.0	-0.1%
37.0%	57.0	56.9	-0.1	-0.1%
38.3%	56.9	56.9	0.0	0.0%
39.5%	56.6	56.8	0.2	0.3%
40.7%	56.5	56.6	0.1	0.2%
42.0%	56.4	56.6	0.2	0.3%
43.2%	56.4	56.6	0.2	0.4%
44.4%	56.4	56.6	0.2	0.3%
45.7%	56.3	56.5	0.2	0.3%
46.9%	56.3	56.5	0.2	0.3%
48.1%	56.3	56.5	0.2	0.3%
49.4%	56.2	56.5	0.2	0.4%
50.6%	56.2	56.4	0.2	0.4%
51.9%	56.1	56.4	0.3	0.5%
53.1%	56.1	56.4	0.3	0.5%
54.3%	56.1	56.4	0.2	0.4%
55.6%	56.1	56.3	0.2	0.4%
56.8%	56.0	56.3	0.2	0.4%
58.0%	56.0	56.3	0.2	0.4%
59.3%	56.0	56.2	0.2	0.3%
60.5%	56.0	56.1	0.1	0.1%
61.7%	55.9	56.0	0.1	0.1%
63.0%	55.8	56.0	0.2	0.3%
64.2%	55.8	56.0	0.2	0.3%
65.4%	55.8	55.9	0.2	0.3%
66.7%	55.8	55.9	0.1	0.2%
67.9%	55.5	55.9	0.4	0.7%
69.1%	55.5	55.9	0.4	0.8%
70.4%	55.4	55.9	0.5	1.0%
71.6%	55.4	55.7	0.3	0.6%
72.8%	55.3	55.6	0.3	0.5%
74.1%	55.3	55.5	0.2	0.3%
75.3%	55.3	55.5	0.2	0.4%
76.5%	55.2	55.5	0.3	0.5%
77.8%	55.1	55.4	0.3	0.5%
79.0%	55.0	55.3	0.2	0.4%
80.2%	55.0	55.1	0.1	0.1%
81.5%	55.0	55.1	0.1	0.1%
82.7%	55.0	54.9	0.0	-0.1%
84.0%	54.9	54.9	0.0	0.0%
85.2%	54.8	54.9	0.1	0.1%
86.4%	54.7	54.8	0.1	0.2%
87.7%	54.7	54.8	0.1	0.3%
88.9%	54.7	54.8	0.1	0.2%
90.1%	54.6	54.7	0.1	0.2%
91.4%	54.6	54.7	0.1	0.2%
92.6%	54.4	54.7	0.3	0.5%
93.8%	54.3	54.4	0.1	0.2%
95.1%	54.3	54.4	0.1	0.2%
96.3%	54.1	54.3	0.2	0.4%
97.5%	53.9	54.3	0.4	0.8%
98.8%	53.8	54.3	0.4	0.8%
100.0%	53.8	54.3	0.4	0.8%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	72.9	73.0	0.2	0.2%
1.2%	67.6	66.2	-1.4	-2.1%
2.5%	67.1	64.4	-2.7	-4.1%
3.7%	66.2	64.2	-2.1	-3.1%
4.9%	62.4	60.7	-1.7	-2.7%
6.2%	62.3	59.3	-2.9	-4.7%
7.4%	60.4	59.2	-1.1	-1.9%
8.6%	60.3	59.1	-1.3	-2.1%
9.9%	59.6	58.8	-0.8	-1.3%
11.1%	59.6	58.8	-0.8	-1.3%
12.3%	59.5	58.6	-0.9	-1.6%
13.6%	59.5	58.5	-1.0	-1.6%
14.8%	59.3	58.5	-0.8	-1.4%
16.0%	59.2	58.5	-0.7	-1.1%
17.3%	59.1	58.5	-0.6	-1.1%
18.5%	59.0	58.5	-0.5	-0.9%
19.8%	59.0	58.4	-0.5	-0.9%
21.0%	58.9	58.2	-0.7	-1.2%
22.2%	58.9	58.2	-0.7	-1.2%
23.5%	58.8	58.2	-0.6	-1.0%
24.7%	58.7	58.1	-0.6	-1.1%
25.9%	58.7	58.1	-0.6	-1.0%
27.2%	58.7	58.1	-0.6	-1.0%
28.4%	58.6	58.1	-0.6	-1.0%
29.6%	58.6	58.0	-0.6	-1.0%
30.9%	58.5	58.0	-0.5	-0.9%
32.1%	58.5	58.0	-0.6	-1.0%
33.3%	58.5	58.0	-0.5	-0.9%
34.6%	58.5	57.9	-0.6	-1.0%
35.8%	58.4	57.9	-0.5	-0.8%
37.0%	58.4	57.9	-0.5	-0.8%
38.3%	58.3	57.9	-0.4	-0.7%
39.5%	58.3	57.8	-0.4	-0.7%
40.7%	58.2	57.8	-0.4	-0.7%
42.0%	58.2	57.8	-0.4	-0.7%
43.2%	58.2	57.8	-0.4	-0.7%
44.4%	58.2	57.7	-0.4	-0.7%
45.7%	58.2	57.7	-0.4	-0.7%
46.9%	58.1	57.7	-0.4	-0.6%
48.1%	58.1	57.7	-0.4	-0.7%
49.4%	58.0	57.6	-0.5	-0.8%
50.6%	58.0	57.6	-0.5	-0.8%
51.9%	58.0	57.6	-0.4	-0.8%
53.1%	58.0	57.5	-0.4	-0.7%
54.3%	57.9	57.5	-0.4	-0.7%
55.6%	57.9	57.5	-0.4	-0.7%
56.8%	57.8	57.5	-0.3	-0.5%
58.0%	57.8	57.5	-0.3	-0.5%
59.3%	57.7	57.5	-0.3	-0.5%
60.5%	57.7	57.4	-0.3	-0.6%
61.7%	57.6	57.3	-0.3	-0.5%
63.0%	57.6	57.3	-0.3	-0.5%
64.2%	57.5	57.2	-0.3	-0.4%
65.4%	57.5	57.2	-0.3	-0.5%
66.7%	57.4	57.2	-0.3	-0.5%
67.9%	57.4	57.1	-0.3	-0.6%
69.1%	57.3	57.1	-0.2	-0.3%
70.4%	57.2	56.9	-0.3	-0.5%
71.6%	57.2	56.9	-0.3	-0.5%
72.8%	57.2	56.9	-0.3	-0.5%
74.1%	57.1	56.9	-0.3	-0.5%
75.3%	57.1	56.9	-0.3	-0.5%
76.5%	57.1	56.8	-0.3	-0.5%
77.8%	57.0	56.8	-0.2	-0.4%
79.0%	56.9	56.7	-0.2	-0.4%
80.2%	56.9	56.7	-0.2	-0.3%
81.5%	56.8	56.7	-0.2	-0.3%
82.7%	56.8	56.7	-0.1	-0.2%
84.0%	56.8	56.6	-0.2	-0.4%
85.2%	56.7	56.6	-0.1	-0.2%
86.4%	56.7	56.5	-0.2	-0.3%
87.7%	56.7	56.4	-0.3	-0.5%
88.9%	56.6	56.4	-0.2	-0.4%
90.1%	56.6	56.2	-0.4	-0.7%
91.4%	56.5	56.1	-0.5	-0.8%
92.6%	56.5	55.7	-0.8	-1.4%
93.8%	56.3	55.6	-0.7	-1.3%
95.1%	56.0	55.5	-0.5	-1.0%
96.3%	55.7	55.2	-0.5	-0.8%
97.5%	55.5	55.0	-0.5	-0.9%
98.8%	54.9	54.7	-0.3	-0.5%
100.0%	54.9	54.7	-0.3	-0.5%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	72.0	70.4	-1.7	-2.3%
1.2%	71.1	69.6	-1.5	-2.1%
2.5%	69.7	67.7	-2.0	-2.8%
3.7%	68.9	67.7	-1.2	-1.8%
4.9%	67.8	64.4	-3.4	-5.0%
6.2%	67.1	63.8	-3.3	-5.0%
7.4%	66.3	63.4	-2.8	-4.3%
8.6%	65.3	62.3	-3.0	-4.6%
9.9%	64.9	61.7	-3.2	-4.9%
11.1%	63.8	61.6	-2.2	-3.4%
12.3%	62.7	61.5	-1.2	-1.9%
13.6%	62.7	60.7	-1.9	-3.1%
14.8%	62.6	60.5	-2.1	-3.4%
16.0%	62.1	60.2	-1.8	-3.0%
17.3%	62.0	60.0	-2.0	-3.2%
18.5%	62.0	59.9	-2.1	-3.3%
19.8%	61.7	59.8	-1.9	-3.1%
21.0%	61.6	59.5	-2.1	-3.3%
22.2%	61.4	59.1	-2.2	-3.7%
23.5%	61.2	59.0	-2.3	-3.7%
24.7%	60.5	58.6	-1.9	-3.1%
25.9%	60.4	58.5	-1.9	-3.1%
27.2%	60.2	58.5	-1.7	-2.9%
28.4%	60.2	58.5	-1.7	-2.9%
29.6%	60.2	58.4	-1.8	-3.0%
30.9%	60.0	58.4	-1.7	-2.8%
32.1%	59.7	58.3	-1.5	-2.5%
33.3%	59.6	58.3	-1.4	-2.3%
34.6%	59.5	58.2	-1.3	-2.2%
35.8%	59.4	58.2	-1.1	-1.9%
37.0%	59.1	58.0	-1.0	-1.8%
38.3%	59.0	57.9	-1.0	-1.8%
39.5%	59.0	57.7	-1.2	-2.1%
40.7%	58.9	57.7	-1.2	-2.0%
42.0%	58.8	57.7	-1.1	-2.0%
43.2%	58.8	57.6	-1.2	-2.0%
44.4%	58.7	57.6	-1.1	-1.9%
45.7%	58.7	57.5	-1.2	-2.0%
46.9%	58.5	57.5	-1.1	-1.8%
48.1%	58.5	57.4	-1.0	-1.8%
49.4%	58.3	57.4	-0.9	-1.6%
50.6%	58.2	57.4	-0.8	-1.4%
51.9%	58.0	57.4	-0.7	-1.2%
53.1%	57.7	57.3	-0.4	-0.7%
54.3%	57.2	57.3	0.1	0.1%
55.6%	57.0	57.3	0.3	0.6%
56.8%	56.9	57.2	0.2	0.4%
58.0%	56.8	57.1	0.3	0.5%
59.3%	56.8	57.0	0.1	0.2%
60.5%	56.5	56.9	0.5	0.8%
61.7%	56.4	56.9	0.5	0.8%
63.0%	56.4	56.8	0.4	0.8%
64.2%	56.3	56.8	0.5	0.8%
65.4%	55.7	56.5	0.7	1.3%
66.7%	55.7	56.4	0.7	1.3%
67.9%	55.6	56.3	0.7	1.2%
69.1%	55.6	56.2	0.6	1.0%
70.4%	55.6	56.0	0.5	0.9%
71.6%	55.5	55.9	0.4	0.6%
72.8%	55.5	55.8	0.3	0.5%
74.1%	55.5	55.7	0.2	0.4%
75.3%	55.3	55.5	0.3	0.5%
76.5%	55.3	55.4	0.2	0.3%
77.8%	55.1	55.3	0.3	0.5%
79.0%	55.0	55.3	0.3	0.5%
80.2%	54.7	55.3	0.5	1.0%
81.5%	54.6	55.1	0.6	1.0%
82.7%	54.6	55.0	0.4	0.7%
84.0%	54.3	54.2	-0.1	-0.2%
85.2%	54.2	54.2	0.0	-0.1%
86.4%	54.1	54.0	-0.2	-0.3%
87.7%	54.0	53.7	-0.3	-0.6%
88.9%	54.0	53.7	-0.3	-0.6%
90.1%	54.0	53.7	-0.3	-0.6%
91.4%	54.0	53.6	-0.4	-0.7%
92.6%	53.8	53.6	-0.2	-0.4%
93.8%	53.8	53.5	-0.2	-0.4%
95.1%	53.7	53.5	-0.2	-0.5%
96.3%	53.6	53.5	-0.1	-0.2%
97.5%	53.3	53.5	0.2	0.3%
98.8%	53.3	53.0	-0.3	-0.5%
100.0%	53.3	53.0	-0.3	-0.5%

Table SQ5-1b

Sacramento River at Jellys Ferry, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.0	66.9	-0.1	-0.2%
1.2%	65.2	63.2	-2.0	-3.1%
2.5%	64.5	63.0	-1.5	-2.4%
3.7%	63.1	61.7	-1.4	-2.2%
4.9%	62.2	59.7	-2.6	-4.1%
6.2%	60.9	59.6	-1.3	-2.1%
7.4%	60.3	59.0	-1.3	-2.1%
8.6%	60.1	58.9	-1.2	-2.0%
9.9%	60.0	58.6	-1.4	-2.3%
11.1%	59.8	58.6	-1.2	-2.0%
12.3%	59.4	58.5	-0.9	-1.5%
13.6%	59.4	58.5	-0.9	-1.5%
14.8%	58.9	58.5	-0.4	-0.7%
16.0%	58.8	58.4	-0.4	-0.7%
17.3%	58.8	58.4	-0.4	-0.7%
18.5%	58.7	58.1	-0.6	-0.9%
19.8%	58.6	58.0	-0.6	-1.0%
21.0%	58.6	57.9	-0.6	-1.1%
22.2%	58.5	57.9	-0.6	-1.0%
23.5%	58.5	57.9	-0.6	-1.0%
24.7%	58.4	57.9	-0.5	-0.9%
25.9%	58.1	57.7	-0.4	-0.7%
27.2%	58.1	57.7	-0.4	-0.7%
28.4%	58.0	57.7	-0.3	-0.5%
29.6%	57.9	57.6	-0.3	-0.4%
30.9%	57.8	57.3	-0.5	-0.8%
32.1%	57.8	57.3	-0.5	-0.8%
33.3%	57.7	57.3	-0.5	-0.8%
34.6%	57.5	57.3	-0.2	-0.3%
35.8%	57.4	57.3	-0.1	-0.2%
37.0%	57.3	57.2	-0.1	-0.2%
38.3%	57.3	57.1	-0.2	-0.3%
39.5%	57.3	57.1	-0.2	-0.3%
40.7%	57.2	57.0	-0.1	-0.2%
42.0%	57.1	57.0	-0.1	-0.2%
43.2%	57.0	57.0	-0.1	-0.1%
44.4%	57.0	56.9	-0.1	-0.2%
45.7%	57.0	56.7	-0.3	-0.5%
46.9%	57.0	56.7	-0.3	-0.5%
48.1%	57.0	56.7	-0.3	-0.5%
49.4%	56.9	56.7	-0.2	-0.4%
50.6%	56.9	56.6	-0.2	-0.4%
51.9%	56.8	56.6	-0.2	-0.4%
53.1%	56.8	56.6	-0.2	-0.4%
54.3%	56.8	56.6	-0.2	-0.3%
55.6%	56.7	56.6	-0.1	-0.2%
56.8%	56.6	56.6	-0.1	-0.1%
58.0%	56.6	56.5	-0.1	-0.1%
59.3%	56.6	56.5	-0.1	-0.1%
60.5%	56.5	56.5	0.0	0.0%
61.7%	56.5	56.5	-0.1	-0.1%
63.0%	56.5	56.4	-0.1	-0.1%
64.2%	56.4	56.4	0.0	0.0%
65.4%	56.3	56.4	0.1	0.2%
66.7%	56.2	56.2	0.0	0.0%
67.9%	56.2	56.2	0.0	0.0%
69.1%	56.1	56.0	-0.1	-0.1%
70.4%	56.0	56.0	-0.1	-0.1%
71.6%	56.0	56.0	0.0	0.0%
72.8%	55.9	55.9	0.0	0.1%
74.1%	55.9	55.9	0.0	0.0%
75.3%	55.8	55.8	0.0	0.1%
76.5%	55.8	55.8	0.0	0.0%
77.8%	55.6	55.7	0.1	0.1%
79.0%	55.6	55.7	0.0	0.0%
80.2%	55.5	55.6	0.0	0.1%
81.5%	55.3	55.5	0.2	0.4%
82.7%	55.2	55.4	0.2	0.4%
84.0%	55.2	55.4	0.2	0.4%
85.2%	55.2	55.4	0.2	0.4%
86.4%	55.1	55.3	0.2	0.4%
87.7%	55.1	55.2	0.1	0.2%
88.9%	55.1	55.2	0.1	0.2%
90.1%	54.9	55.1	0.2	0.3%
91.4%	54.9	55.1	0.2	0.4%
92.6%	54.9	55.0	0.1	0.2%
93.8%	54.9	54.9	0.1	0.1%
95.1%	54.8	54.9	0.1	0.1%
96.3%	54.7	54.9	0.2	0.4%
97.5%	54.7	54.8	0.2	0.3%
98.8%	54.7	54.8	0.1	0.3%
100.0%	54.2	54.4	0.2	0.4%

July to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	69.5	69.6	0.1	0.2%
1.2%	67.1	65.1	-2.0	-3.0%
2.5%	66.9	64.5	-2.3	-3.5%
3.7%	64.9	63.4	-1.5	-2.4%
4.9%	63.5	60.7	-2.7	-4.3%
6.2%	62.4	60.3	-2.1	-3.4%
7.4%	61.7	59.5	-2.2	-3.6%
8.6%	61.0	59.5	-1.5	-2.5%
9.9%	60.8	59.4	-1.4	-2.3%
11.1%	60.6	59.3	-1.3	-2.1%
12.3%	60.4	59.3	-1.1	-1.9%
13.6%	59.8	58.9	-0.9	-1.5%
14.8%	59.8	58.9	-1.0	-1.6%
16.0%	59.7	58.8	-0.9	-1.5%
17.3%	59.5	58.7	-0.9	-1.4%
18.5%	59.4	58.7	-0.7	-1.2%
19.8%	59.3	58.4	-0.9	-1.5%
21.0%	59.3	58.4	-0.9	-1.5%
22.2%	59.2	58.3	-0.9	-1.6%
23.5%	59.1	58.0	-1.1	-1.8%
24.7%	58.8	58.0	-0.8	-1.4%
25.9%	58.8	57.9	-0.9	-1.5%
27.2%	58.7	57.9	-0.8	-1.4%
28.4%	58.6	57.9	-0.8	-1.3%
29.6%	58.5	57.8	-0.7	-1.1%
30.9%	58.4	57.8	-0.6	-1.1%
32.1%	58.3	57.7	-0.6	-1.0%
33.3%	58.0	57.6	-0.4	-0.7%
34.6%	58.0	57.6	-0.4	-0.6%
35.8%	57.9	57.4	-0.5	-0.9%
37.0%	57.9	57.4	-0.4	-0.8%
38.3%	57.7	57.4	-0.3	-0.5%
39.5%	57.7	57.3	-0.4	-0.7%
40.7%	57.6	57.3	-0.4	-0.6%
42.0%	57.6	57.3	-0.4	-0.7%
43.2%	57.6	57.2	-0.4	-0.6%
44.4%	57.6	57.1	-0.4	-0.8%
45.7%	57.5	57.1	-0.5	-0.8%
46.9%	57.5	57.1	-0.4	-0.8%
48.1%	57.4	57.0	-0.3	-0.6%
49.4%	57.3	57.0	-0.4	-0.7%
50.6%	57.3	56.9	-0.4	-0.7%
51.9%	57.3	56.9	-0.4	-0.7%
53.1%	57.2	56.9	-0.4	-0.6%
54.3%	57.1	56.9	-0.3	-0.5%
55.6%	57.1	56.8	-0.3	-0.5%
56.8%	57.0	56.8	-0.2	-0.4%
58.0%	57.0	56.7	-0.3	-0.5%
59.3%	56.9	56.7	-0.2	-0.3%
60.5%	56.8	56.7	-0.1	-0.2%
61.7%	56.8	56.7	-0.1	-0.2%
63.0%	56.7	56.6	-0.1	-0.1%
64.2%	56.7	56.6	-0.1	-0.1%
65.4%	56.6	56.5	-0.1	-0.2%
66.7%	56.6	56.5	-0.1	-0.3%
67.9%	56.6	56.5	-0.1	-0.2%
69.1%	56.6	56.5	-0.1	-0.2%
70.4%	56.6	56.4	-0.1	-0.3%
71.6%	56.5	56.4	-0.2	-0.3%
72.8%	56.5	56.2	-0.3	-0.5%
74.1%	56.5	56.2	-0.3	-0.5%
75.3%	56.5	56.0	-0.4	-0.7%
76.5%	56.2	56.0	-0.2	-0.3%
77.8%	56.2	55.9	-0.2	-0.4%
79.0%	56.1	55.9	-0.2	-0.4%
80.2%	55.9	55.8	-0.2	-0.3%
81.5%	55.6	55.7	0.0	0.1%
82.7%	55.4	55.4	0.0	0.0%
84.0%	55.3	55.4	0.1	0.1%
85.2%	55.3	55.4	0.0	0.1%
86.4%	55.3	55.3	0.0	0.0%
87.7%	55.3	55.2	-0.1	-0.1%
88.9%	55.2	55.2	0.0	-0.1%
90.1%	55.2	55.2	0.0	0.0%
91.4%	55.1	55.1	0.0	0.0%
92.6%	55.1	55.1	0.0	-0.1%
93.8%	55.0	55.0	0.0	-0.1%
95.1%	55.0	55.0	0.0	-0.1%
96.3%	54.9	54.9	0.0	0.0%
97.5%	54.9	54.9	0.0	0.0%
98.8%	54.7	54.7	0.1	0.1%
100.0%	54.6	54.7	0.1	0.2%

August to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	70.3	70.4	0.1	0.1%
1.2%	69.6	68.3	-1.3	-1.8%
2.5%	69.3	67.0	-2.3	-3.4%
3.7%	68.0	65.9	-2.0	-3.0%
4.9%	65.6	62.5	-3.1	-4.7%
6.2%	64.3	61.2	-3.1	-4.8%
7.4%	62.9	60.8	-2.1	-3.4%
8.6%	62.8	60.5	-2.4	-3.8%
9.9%	61.8	60.2	-1.6	-2.5%
11.1%	61.2	60.2	-1.0	-1.6%
12.3%	61.1	60.0	-1.1	-1.7%
13.6%	61.0	60.0	-1.0	-1.6%
14.8%	60.6	59.5	-1.1	-1.9%
16.0%	60.5	59.2	-1.2	-2.0%
17.3%	60.5	59.1	-1.3	-2.2%
18.5%	60.3	59.0	-1.3	-2.2%
19.8%	59.8	58.7	-1.1	-1.8%
21.0%	59.7	58.7	-1.0	-1.7%
22.2%	59.7	58.5	-1.1	-1.9%
23.5%	59.6	58.4	-1.2	-2.0%
24.7%	59.6	58.4	-1.2	-2.0%
25.9%	59.5	58.2	-1.2	-2.1%
27.2%	59.4	58.2	-1.1	-1.9%
28.4%	59.2	58.2	-1.1	-1.8%
29.6%	59.1	58.2	-1.0	-1.6%
30.9%	59.1	58.1	-1.0	-1.7%
32.1%	58.9	58.0	-0.9	-1.5%
33.3%	58.9	57.9	-0.9	-1.6%
34.6%	58.9	57.9	-0.9	-1.6%
35.8%	58.8	57.9	-1.0	-1.6%
37.0%	58.7	57.9	-0.8	-1.4%
38.3%	58.6	57.8	-0.7	-1.2%
39.5%	58.5	57.8	-0.7	-1.3%
40.7%	58.3	57.8	-0.6	-1.0%
42.0%	58.0	57.7	-0.4	-0.6%
43.2%	58.0	57.6	-0.4	-0.7%
44.4%	58.0	57.5	-0.5	-0.8%
45.7%	58.0	57.5	-0.5	-0.8%
46.9%	58.0	57.4	-0.6	-1.0%
48.1%	57.8	57.4	-0.5	-0.8%
49.4%	57.8	57.3	-0.5	-0.8%
50.6%	57.7	57.3	-0.4	-0.6%
51.9%	57.6	57.2	-0.4	-0.6%
53.1%	57.6	57.2	-0.4	-0.6%
54.3%	57.6	57.2	-0.3	-0.6%
55.6%	57.5	57.2	-0.4	-0.6%
56.8%	57.5	57.1	-0.4	-0.6%
58.0%	57.5	57.1	-0.4	-0.7%
59.3%	57.4	57.0	-0.4	-0.8%
60.5%	57.4	57.0	-0.4	-0.7%
61.7%	57.2	57.0	-0.3	-0.5%
63.0%	57.1	57.0	-0.2	-0.3%
64.2%	57.1	56.9	-0.2	-0.3%
65.4%	57.1	56.9	-0.2	-0.3%
66.7%	57.0	56.8	-0.3	-0.4%
67.9%	57.0	56.8	-0.2	-0.4%
69.1%	56.9	56.7	-0.3	-0.5%
70.4%	56.8	56.6	-0.2	-0.3%
71.6%	56.8	56.5	-0.3	-0.5%
72.8%	56.7	56.5	-0.3	-0.5%
74.1%	56.7	56.4	-0.3	-0.5%
75.3%	56.6	56.3	-0.3	-0.5%
76.5%	56.5	56.2	-0.3	-0.6%
77.8%	56.1	56.0	-0.1	-0.2%
79.0%	56.1	55.8	-0.3	-0.6%
80.2%	56.1	55.7	-0.4	-0.6%
81.5%	55.9	55.7	-0.2	-0.4%
82.7%	55.8	55.7	-0.2	-0.3%
84.0%	55.7	55.6	-0.1	-0.2%
85.2%	55.7	55.6	-0.1	-0.2%
86.4%	55.6	55.4	-0.2	-0.4%
87.7%	55.5	55.3	-0.2	-0.3%
88.9%	55.4	55.2	-0.2	-0.4%
90.1%	55.4	55.2	-0.2	-0.4%
91.4%	55.3	55.2	-0.1	-0.1%
92.6%	55.2	55.2	0.0	0.0%
93.8%	55.1	55.2	0.0	0.0%
95.1%	55.1	55.1	0.1	0.1%
96.3%	55.0	54.9	-0.1	-0.2%
97.5%	55.0	54.9	-0.1	-0.3%
98.8%	55.0	54.7	-0.3	-0.6%
100.0%	54.8	54.1	-0.7	-1.3%

Figure SQ6-1b
Sacramento River at Bend Bridge, Monthly Temperature
Probability of Exceedance

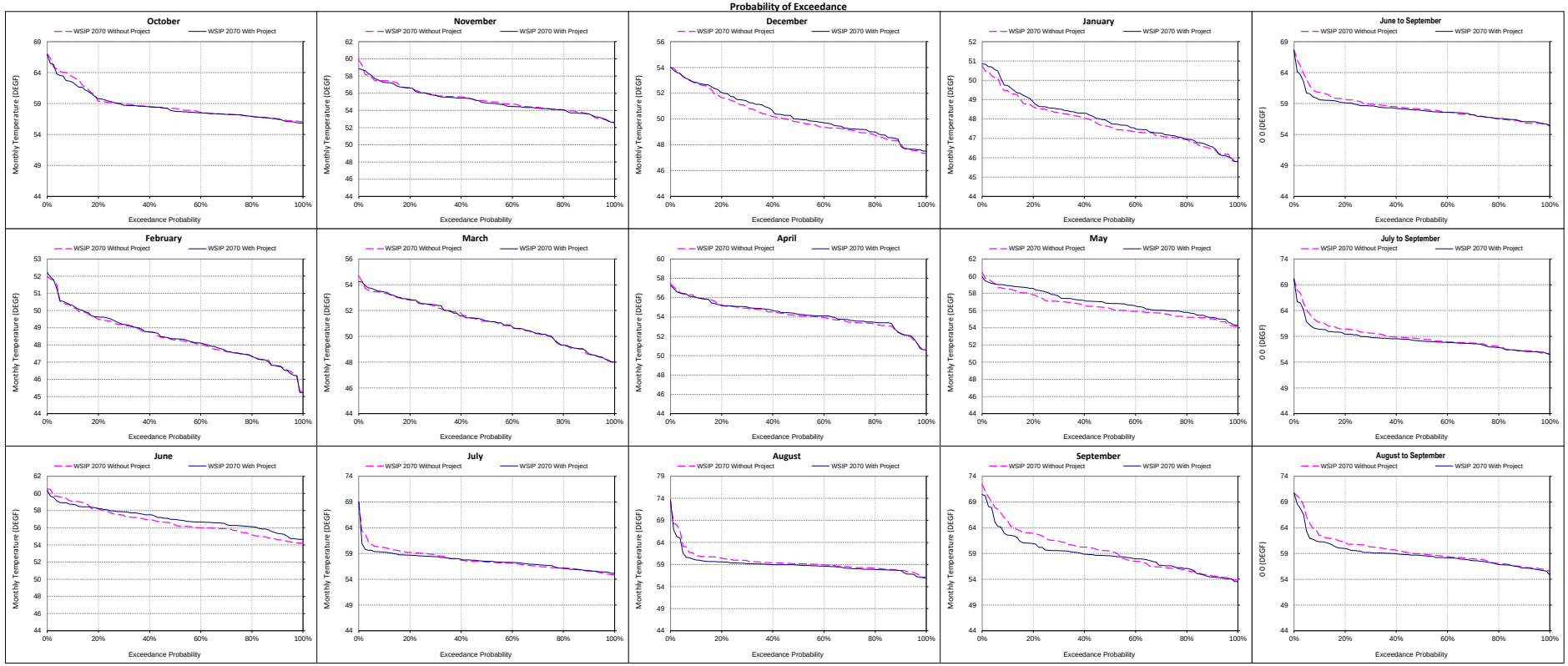


Table SQ6-1b

Sacramento River at Bend Bridge, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.0	66.9	-0.1	-0.2%
1.2%	66.3	65.5	-0.8	-1.2%
2.5%	64.9	65.3	0.4	0.7%
3.7%	64.6	63.8	-0.8	-1.2%
4.9%	64.2	63.5	-0.7	-1.1%
6.2%	64.0	63.5	-0.5	-0.9%
7.4%	64.0	62.7	-1.3	-2.0%
8.6%	63.6	62.6	-0.9	-1.5%
9.9%	63.4	62.5	-0.9	-1.4%
11.1%	63.0	62.0	-1.0	-1.6%
12.3%	62.9	61.6	-1.2	-1.9%
13.6%	62.0	61.6	-0.4	-0.7%
14.8%	61.6	61.2	-0.4	-0.7%
16.0%	61.3	61.0	-0.3	-0.5%
17.3%	60.7	60.6	-0.1	-0.2%
18.5%	60.6	60.2	-0.4	-0.6%
19.8%	59.4	59.8	0.4	0.6%
21.0%	59.3	59.7	0.4	0.7%
22.2%	59.3	59.7	0.4	0.6%
23.5%	59.2	59.5	0.3	0.4%
24.7%	59.1	59.4	0.2	0.4%
25.9%	59.1	59.2	0.1	0.1%
27.2%	59.1	59.0	0.0	-0.1%
28.4%	59.1	59.0	-0.1	-0.1%
29.6%	59.0	58.8	-0.2	-0.4%
30.9%	58.9	58.7	-0.2	-0.3%
32.1%	58.9	58.7	-0.2	-0.3%
33.3%	58.8	58.7	-0.1	-0.2%
34.6%	58.7	58.7	0.0	0.0%
35.8%	58.6	58.6	0.0	-0.1%
37.0%	58.6	58.6	0.0	-0.1%
38.3%	58.6	58.5	-0.1	-0.1%
39.5%	58.5	58.5	0.0	-0.1%
40.7%	58.5	58.4	0.0	0.0%
42.0%	58.4	58.4	0.0	-0.1%
43.2%	58.3	58.4	0.1	0.1%
44.4%	58.3	58.4	0.1	0.2%
45.7%	58.3	58.3	0.0	0.0%
46.9%	58.3	58.2	0.0	-0.1%
48.1%	58.2	57.9	-0.4	-0.6%
49.4%	58.2	57.8	-0.4	-0.7%
50.6%	58.2	57.7	-0.5	-0.8%
51.9%	58.0	57.7	-0.3	-0.6%
53.1%	58.0	57.7	-0.3	-0.5%
54.3%	57.9	57.7	-0.2	-0.4%
55.6%	57.9	57.6	-0.3	-0.6%
56.8%	57.9	57.6	-0.3	-0.5%
58.0%	57.8	57.5	-0.3	-0.4%
59.3%	57.7	57.5	-0.2	-0.3%
60.5%	57.5	57.5	0.0	-0.1%
61.7%	57.5	57.4	-0.1	-0.1%
63.0%	57.4	57.4	0.0	0.0%
64.2%	57.4	57.4	0.0	-0.1%
65.4%	57.4	57.4	0.0	0.0%
66.7%	57.4	57.3	0.0	-0.1%
67.9%	57.3	57.3	0.0	0.0%
69.1%	57.3	57.3	0.0	0.0%
70.4%	57.3	57.3	-0.1	-0.1%
71.6%	57.3	57.2	0.0	0.0%
72.8%	57.2	57.2	0.0	-0.1%
74.1%	57.2	57.2	0.0	-0.1%
75.3%	57.2	57.2	0.0	-0.1%
76.5%	57.1	57.1	0.0	0.1%
77.8%	57.0	57.0	0.0	0.0%
79.0%	57.0	57.0	0.0	0.0%
80.2%	56.9	56.9	0.0	0.0%
81.5%	56.8	56.9	0.1	0.1%
82.7%	56.8	56.8	0.0	0.1%
84.0%	56.7	56.8	0.1	0.1%
85.2%	56.7	56.8	0.1	0.1%
86.4%	56.7	56.7	0.0	0.0%
87.7%	56.6	56.6	0.0	-0.1%
88.9%	56.6	56.6	-0.1	-0.1%
90.1%	56.4	56.5	0.1	0.2%
91.4%	56.4	56.4	0.0	0.0%
92.6%	56.3	56.2	-0.1	-0.2%
93.8%	56.3	56.1	-0.2	-0.3%
95.1%	56.2	56.1	-0.2	-0.3%
96.3%	56.2	56.0	-0.2	-0.3%
97.5%	56.2	55.9	-0.3	-0.5%
98.8%	56.1	55.9	-0.2	-0.4%
100.0%	56.1	55.9	0.0	-0.4%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	59.9	58.9	-1.0	-1.7%
1.2%	59.3	58.7	-0.5	-0.9%
2.5%	58.2	58.6	0.5	0.8%
3.7%	58.1	58.3	0.2	0.4%
4.9%	57.9	58.1	0.2	0.4%
6.2%	57.5	57.7	0.2	0.4%
7.4%	57.5	57.6	0.1	0.2%
8.6%	57.5	57.4	-0.1	-0.2%
9.9%	57.5	57.3	-0.2	-0.4%
11.1%	57.4	57.2	-0.2	-0.4%
12.3%	57.4	57.2	-0.2	-0.3%
13.6%	57.3	57.1	-0.2	-0.4%
14.8%	57.2	56.8	-0.4	-0.7%
16.0%	56.9	56.7	-0.2	-0.3%
17.3%	56.7	56.7	0.0	0.0%
18.5%	56.7	56.7	0.0	0.0%
19.8%	56.6	56.6	0.0	-0.1%
21.0%	56.5	56.6	0.1	0.2%
22.2%	56.3	56.2	-0.1	-0.2%
23.5%	56.2	56.1	-0.1	-0.2%
24.7%	56.1	56.0	0.0	0.0%
25.9%	56.0	56.0	0.0	0.0%
27.2%	56.0	55.9	0.0	-0.1%
28.4%	55.9	55.8	-0.1	-0.2%
29.6%	55.9	55.8	-0.1	-0.2%
30.9%	55.7	55.7	0.0	0.0%
32.1%	55.7	55.6	-0.1	-0.2%
33.3%	55.6	55.5	-0.1	-0.2%
34.6%	55.6	55.5	-0.1	-0.2%
35.8%	55.6	55.5	-0.1	-0.2%
37.0%	55.6	55.5	-0.1	-0.2%
38.3%	55.6	55.5	-0.1	-0.2%
39.5%	55.6	55.4	-0.2	-0.3%
40.7%	55.6	55.4	-0.2	-0.3%
42.0%	55.5	55.4	-0.1	-0.2%
43.2%	55.4	55.4	0.0	0.1%
44.4%	55.3	55.3	0.0	0.0%
45.7%	55.2	55.2	0.0	0.0%
46.9%	55.2	55.1	-0.1	-0.1%
48.1%	55.1	54.9	-0.2	-0.4%
49.4%	55.1	54.9	-0.2	-0.4%
50.6%	55.1	54.9	-0.2	-0.4%
51.9%	55.0	54.8	-0.2	-0.3%
53.1%	55.0	54.8	-0.2	-0.3%
54.3%	55.0	54.7	-0.2	-0.4%
55.6%	54.8	54.7	-0.1	-0.2%
56.8%	54.8	54.7	-0.1	-0.3%
58.0%	54.8	54.5	-0.3	-0.5%
59.3%	54.7	54.5	-0.3	-0.5%
60.5%	54.7	54.5	-0.3	-0.5%
61.7%	54.7	54.4	-0.3	-0.5%
63.0%	54.5	54.4	-0.1	-0.2%
64.2%	54.5	54.4	-0.1	-0.2%
65.4%	54.5	54.3	-0.1	-0.2%
66.7%	54.4	54.3	-0.1	-0.2%
67.9%	54.4	54.3	-0.1	-0.1%
69.1%	54.4	54.3	-0.1	-0.2%
70.4%	54.4	54.2	-0.1	-0.2%
71.6%	54.3	54.2	-0.1	-0.1%
72.8%	54.3	54.2	0.0	-0.1%
74.1%	54.2	54.2	0.0	-0.1%
75.3%	54.1	54.1	0.0	0.0%
76.5%	54.1	54.1	0.0	0.0%
77.8%	54.1	54.1	0.0	-0.1%
79.0%	54.1	54.1	0.0	0.0%
80.2%	54.1	54.1	0.0	0.0%
81.5%	54.0	53.9	-0.1	-0.2%
82.7%	54.0	53.7	-0.2	-0.4%
84.0%	53.9	53.7	-0.2	-0.4%
85.2%	53.8	53.7	-0.1	-0.3%
86.4%	53.8	53.7	-0.1	-0.3%
87.7%	53.7	53.7	-0.1	-0.1%
88.9%	53.6	53.6	0.0	-0.1%
90.1%	53.5	53.6	0.0	0.1%
91.4%	53.4	53.4	0.1	0.1%
92.6%	53.1	53.3	0.2	0.3%
93.8%	53.0	53.2	0.2	0.4%
95.1%	53.0	53.1	0.1	0.1%
96.3%	52.9	53.0	0.0	0.1%
97.5%	52.8	52.8	-0.1	-0.2%
98.8%	52.6	52.6	0.1	0.1%
100.0%	52.6	52.6	0.1	0.1%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.0	54.0	0.0	0.0%
1.2%	53.9	53.8	-0.2	-0.3%
2.5%	53.7	53.6	-0.1	-0.1%
3.7%	53.5	53.5	0.0	0.1%
4.9%	53.3	53.3	0.0	0.0%
6.2%	53.1	53.1	0.0	0.0%
7.4%	53.0	53.1	0.1	0.1%
8.6%	52.9	52.9	0.0	0.0%
9.9%	52.7	52.9	0.1	0.2%
11.1%	52.7	52.7	0.1	0.1%
12.3%	52.6	52.7	0.1	0.2%
13.6%	52.6	52.7	0.1	0.1%
14.8%	52.4	52.6	0.2	0.4%
16.0%	52.3	52.5	0.2	0.4%
17.3%	51.9	52.4	0.5	0.9%
18.5%	51.8	52.3	0.4	0.8%
19.8%	51.7	52.1	0.4	0.8%
21.0%	51.6	52.0	0.4	0.7%
22.2%	51.6	52.0	0.4	0.7%
23.5%	51.5	51.8	0.3	0.6%
24.7%	51.4	51.7	0.3	0.6%
25.9%	51.3	51.5	0.2	0.4%
27.2%	51.1	51.5	0.4	0.8%
28.4%	51.1	51.5	0.4	0.7%
29.6%	51.0	51.4	0.4	0.8%
30.9%	50.8	51.3	0.5	0.9%
32.1%	50.8	51.2	0.5	0.9%
33.3%	50.7	51.1	0.5	0.9%
34.6%	50.5	51.1	0.6	1.2%
35.8%	50.4	51.1	0.7	1.3%
37.0%	50.4	50.9	0.6	1.1%
38.3%	50.3	50.9	0.6	1.1%
39.5%	50.2	50.7	0.5	1.0%
40.7%	50.2	50.4	0.2	0.4%
42.0%	50.1	50.4	0.3	0.5%
43.2%	50.1	50.4	0.3	0.6%
44.4%	50.0	50.3	0.3	0.5%
45.7%	50.0	50.3	0.3	0.6%
46.9%	49.9	50.3	0.3	0.6%
48.1%	49.8	50.0	0.2	0.4%
49.4%	49.8	50.0	0.2	0.4%
50.6%	49.7	50.0	0.3	0.5%
51.9%	49.7	49.9	0.2	0.5%
53.1%	49.6	49.9	0.3	0.7%
54.3%	49.6	49.9	0.2	0.5%
55.6%	49.6	49.8	0.3	0.6%
56.8%	49.5	49.8	0.3	0.6%
58.0%	49.4	49.8	0.4	0.8%
59.3%	49.4	49.7	0.3	0.7%
60.5%	49.4	49.7	0.3	0.7%
61.7%	49.3	49.7	0.4	0.7%
63.0%	49.3	49.6	0.3	0.6%
64.2%	49.3	49.5	0.2	0.4%
65.4%	49.3	49.5	0.2	0.4%
66.7%	49.3	49.4	0.2	0.3%
67.9%	49.2	49.3	0.1	0.2%
69.1%	49.2	49.3	0.1	0.2%
70.4%	49.1	49.2	0.1	0.2%
71.6%	49.1	49.2	0.1	0.2%
72.8%	49.1	49.2	0.2	0.3%
74.1%	48.9	49.2	0.3	0.5%
75.3%	48.9	49.2	0.3	0.5%
76.5%	48.9	49.2	0.3	0.5%
77.8%	48.9	49.0	0.1	0.3%
79.0%	48.8	49.0	0.2	0.4%
80.2%	48.7	49.0	0.3	0.5%
81.5%	48.6	48.8	0.2	0.4%
82.7%	48.6	48.8	0.2	0.4%
84.0%	48.5	48.8	0.3	0.6%
85.2%	48.4	48.6	0.2	0.4%
86.4%	48.4	48.6	0.2	0.4%
87.7%	48.3	48.5	0.2	0.3%
88.9%	48.3	48.4	0.1	0.3%
90.1%	48.0	47.8	-0.2	-0.4%
91.4%	47.7	47.7	0.0	0.0%
92.6%	47.7	47.7	0.0	0.1%
93.8%	47.6	47.7	0.1	0.1%
95.1%	47.6	47.7	0.1	0.2%
96.3%	47.6	47.6	0.1	0.2%
97.5%	47.4	47.6	0.2	0.4%
98.8%	47.3	47.5	0.2	0.4%
100.0%	47.3	47.5	0.2	0.4%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	50.8	50.8	0.1	0.2%
1.2%	50.5	50.8	0.3	0.7%
2.5%	50.5	50.7	0.2	0.4%
3.7%	50.2	50.7	0.5	0.9%
4.9%	50.1	50.6	0.4	0.8%
6.2%	50.1	50.5	0.3	0.7%
7.4%	49.7	50.1	0.4	0.9%
8.6%	49.5	49.8	0.3	0.6%
9.9%	49.5	49.7	0.3	0.5%
11.1%	49.3	49.6	0.3	0.6%
12.3%	49.3	49.5	0.2	0.4%
13.6%	49.3	49.4	0.1	0.2%
14.8%	49.1	49.3	0.3	0.5%
16.0%	48.8	49.2	0.4	0.9%
17.3%	48.8	49.1	0.4	0.8%
18.5%	48.8	49.1	0.3	0.6%
19.8%	48.7	48.9	0.3	0.5%
21.0%	48.6	48.7	0.2	0.4%
22.2%	48.5	48.7	0.1	0.2%
23.5%	48.5	48.6	0.1	0.3%
24.7%	48.5	48.6	0.1	0.3%
25.9%	48.4	48.6	0.2	0.3%
27.2%	48.4	48.6	0.2	0.3%
28.4%	48.4	48.5	0.2	0.4%
29.6%	48.3	48.5	0.2	0.4%
30.9%	48.3	48.5	0.2	0.4%
32.1%	48.3	48.4	0.2	0.4%
33.3%	48.3	48.4	0.2	0.3%
34.6%	48.2	48.4	0.2	0.4%
35.8%	48.2	48.4	0.2	0.4%
37.0%	48.2	48.3	0.2	0.3%
38.3%	48.1	48.3	0.2	0.4%
39.5%	48.1	48.3	0.2	0.5%
40.7%	48.0	48.3	0.3	0.6%
42.0%	48.0	48.2	0.2	0.5%
43.2%	47.9	48.2	0.3	0.6%
44.4%	47.8	48.0	0.2	0.4%
45.7%	47.7	48.0	0.3	0.6%
46.9%	47.7	48.0	0.3	0.6%
48.1%	47.6	48.0	0.3	0.7%
49.4%	47.6	47.9	0.2	0.5%
50.6%	47.6	47.8	0.2	0.4%
51.9%	47.5	47.7	0.3	0.6%
53.1%	47.4	47.7	0.3	0.6%
54.3%	47.4	47.7	0.2	0.5%
55.6%	47.4	47.7	0.3	0.6%
56.8%	47.4	47.7	0.3	0.6%
58.0%	47.4	47.6	0.2	0.4%
59.3%	47.3	47.5	0.2	0.4%
60.5%	47.3	47.5	0.1	0.3%
61.7%	47.3	47.5	0.2	0.3%
63.0%	47.3	47.5	0.2	0.3%
64.2%	47.3	47.4	0.2	0.3%
65.4%	47.3	47.3	0.0	0.1%
66.7%	47.3	47.3	0.0	0.1%
67.9%	47.1	47.3	0.1	0.3%
69.1%	47.1	47.3	0.1	0.3%
70.4%	47.1	47.3	0.2	0.4%
71.6%	47.1	47.2	0.1	0.2%
72.8%	47.1	47.2	0.1	0.2%
74.1%	47.1	47.1	0.1	0.2%
75.3%	47.0	47.1	0.1	0.2%
76.5%	47.0	47.1	0.1	0.1%
77.8%	47.0	47.1	0.1	0.2%
79.0%	46.9	47.0	0.1	0.1%
80.2%	46.9	46.9	0.0	0.0%
81.5%	46.8	46.9	0.1	0.3%
82.7%	46.8	46.9	0.1	0.2%
84.0%	46.7	46.8	0.1	0.1%
85.2%	46.6	46.8	0.2	0.3%
86.4%	46.6	46.7	0.2	0.4%
87.7%	46.5	46.7	0.1	0.3%
88.9%	46.5	46.6	0.1	0.3%
90.1%	46.4	46.6	0.1	0.2%
91.4%	46.4	46.4	0.1	0.1%
92.6%	46.2	46.2	0.0	0.0%
93.8%	46.2	46.1	-0.1	-0.2%
95.1%	46.2	46.1	-0.1	-0.2%
96.3%	46.2	46.0	-0.1	-0.3%
97.5%	45.9	46.0	0.1	0.3%
98.8%	45.8	45.8	0.0	0.0%
100.0%	45.8	45.8	0.0	0.0%

Table SQ6-1b

Sacramento River at Bend Bridge, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.0	52.2	0.3	0.5%
1.2%	51.8	52.0	0.1	0.2%
2.5%	51.8	51.8	0.0	0.1%
3.7%	51.5	51.3	-0.2	-0.5%
4.9%	50.5	50.6	0.0	0.1%
6.2%	50.5	50.5	0.1	0.1%
7.4%	50.4	50.4	0.1	0.2%
8.6%	50.4	50.4	0.0	0.0%
9.9%	50.2	50.3	0.2	0.3%
11.1%	50.1	50.2	0.0	0.1%
12.3%	49.9	50.1	0.1	0.3%
13.6%	49.9	50.0	0.1	0.2%
14.8%	49.9	49.9	0.0	0.0%
16.0%	49.8	49.9	0.1	0.2%
17.3%	49.7	49.7	0.0	-0.1%
18.5%	49.6	49.6	0.0	0.0%
19.8%	49.5	49.6	0.1	0.2%
21.0%	49.5	49.6	0.1	0.3%
22.2%	49.4	49.6	0.2	0.4%
23.5%	49.4	49.6	0.2	0.3%
24.7%	49.4	49.5	0.1	0.3%
25.9%	49.3	49.4	0.1	0.2%
27.2%	49.2	49.3	0.1	0.3%
28.4%	49.2	49.3	0.1	0.1%
29.6%	49.2	49.2	0.0	0.0%
30.9%	49.1	49.2	0.1	0.1%
32.1%	49.1	49.1	0.0	0.1%
33.3%	49.1	49.1	0.0	0.0%
34.6%	49.0	49.0	0.1	0.1%
35.8%	48.9	49.0	0.1	0.1%
37.0%	48.8	48.9	0.1	0.2%
38.3%	48.8	48.8	0.0	0.0%
39.5%	48.8	48.8	0.0	0.0%
40.7%	48.8	48.7	0.0	0.0%
42.0%	48.7	48.7	0.0	0.0%
43.2%	48.5	48.7	0.2	0.3%
44.4%	48.4	48.5	0.0	0.1%
45.7%	48.4	48.5	0.0	0.1%
46.9%	48.4	48.4	0.0	0.1%
48.1%	48.3	48.4	0.0	0.1%
49.4%	48.3	48.4	0.1	0.1%
50.6%	48.3	48.4	0.1	0.1%
51.9%	48.3	48.3	0.1	0.1%
53.1%	48.2	48.3	0.1	0.2%
54.3%	48.2	48.3	0.1	0.2%
55.6%	48.2	48.2	0.0	0.1%
56.8%	48.1	48.2	0.0	0.0%
58.0%	48.1	48.1	0.0	0.1%
59.3%	48.1	48.1	0.1	0.1%
60.5%	48.0	48.1	0.1	0.2%
61.7%	48.0	48.0	0.1	0.1%
63.0%	47.9	48.0	0.1	0.2%
64.2%	47.8	47.9	0.1	0.3%
65.4%	47.8	47.9	0.2	0.3%
66.7%	47.7	47.8	0.1	0.2%
67.9%	47.7	47.8	0.1	0.2%
69.1%	47.7	47.7	0.1	0.2%
70.4%	47.6	47.6	0.0	0.0%
71.6%	47.6	47.6	0.0	0.1%
72.8%	47.6	47.5	0.0	-0.1%
74.1%	47.5	47.5	0.0	0.0%
75.3%	47.5	47.5	0.0	0.0%
76.5%	47.5	47.5	0.0	0.0%
77.8%	47.5	47.4	0.0	-0.1%
79.0%	47.4	47.4	0.0	0.0%
80.2%	47.3	47.3	0.0	0.0%
81.5%	47.3	47.2	0.0	0.0%
82.7%	47.2	47.2	0.0	-0.1%
84.0%	47.2	47.1	0.0	0.0%
85.2%	47.1	47.1	0.0	0.0%
86.4%	47.1	47.0	-0.1	-0.2%
87.7%	46.8	46.8	0.0	0.0%
88.9%	46.8	46.8	0.0	0.0%
90.1%	46.7	46.8	0.0	0.1%
91.4%	46.7	46.8	0.0	0.1%
92.6%	46.7	46.5	-0.1	-0.2%
93.8%	46.5	46.5	0.0	-0.1%
95.1%	46.5	46.3	-0.1	-0.3%
96.3%	46.3	46.2	-0.1	-0.2%
97.5%	46.2	46.2	0.0	0.0%
98.8%	45.3	45.2	-0.1	-0.1%
100.0%	45.3	45.2	-0.1	-0.1%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.7	54.2	-0.4	-0.8%
1.2%	54.3	54.2	-0.1	-0.1%
2.5%	53.7	53.9	0.2	0.4%
3.7%	53.6	53.8	0.2	0.3%
4.9%	53.5	53.7	0.2	0.4%
6.2%	53.5	53.6	0.2	0.3%
7.4%	53.4	53.5	0.1	0.1%
8.6%	53.4	53.5	0.1	0.1%
9.9%	53.3	53.4	0.1	0.2%
11.1%	53.3	53.4	0.1	0.2%
12.3%	53.3	53.2	0.0	-0.1%
13.6%	53.2	53.2	0.0	0.0%
14.8%	53.0	53.1	0.0	0.1%
16.0%	53.0	53.0	0.1	0.1%
17.3%	52.9	52.9	0.0	0.0%
18.5%	52.9	52.9	0.0	0.1%
19.8%	52.8	52.9	0.1	0.1%
21.0%	52.8	52.8	0.0	0.0%
22.2%	52.8	52.8	0.0	0.1%
23.5%	52.5	52.6	0.1	0.2%
24.7%	52.5	52.5	0.0	0.0%
25.9%	52.5	52.5	0.0	0.0%
27.2%	52.5	52.5	0.0	0.1%
28.4%	52.4	52.5	0.1	0.1%
29.6%	52.3	52.4	0.1	0.2%
30.9%	52.2	52.4	0.2	0.4%
32.1%	52.2	52.4	0.2	0.4%
33.3%	52.0	52.0	0.0	0.0%
34.6%	51.9	52.0	0.1	0.1%
35.8%	51.9	52.0	0.1	0.1%
37.0%	51.9	51.8	-0.1	-0.2%
38.3%	51.9	51.8	-0.1	-0.2%
39.5%	51.9	51.6	-0.3	-0.5%
40.7%	51.6	51.6	-0.1	-0.1%
42.0%	51.6	51.4	-0.1	-0.3%
43.2%	51.5	51.4	-0.1	-0.1%
44.4%	51.4	51.4	0.0	0.0%
45.7%	51.4	51.4	0.0	0.1%
46.9%	51.3	51.4	0.0	0.1%
48.1%	51.2	51.3	0.1	0.2%
49.4%	51.2	51.2	0.0	0.1%
50.6%	51.2	51.2	0.0	0.0%
51.9%	51.1	51.1	0.0	0.0%
53.1%	51.1	51.1	0.0	0.0%
54.3%	51.0	51.1	0.0	0.0%
55.6%	50.9	51.0	0.2	0.4%
56.8%	50.8	50.9	0.0	0.1%
58.0%	50.8	50.9	0.1	0.1%
59.3%	50.8	50.9	0.0	0.1%
60.5%	50.6	50.6	0.0	0.0%
61.7%	50.6	50.6	0.0	0.0%
63.0%	50.6	50.6	0.0	0.1%
64.2%	50.5	50.6	0.1	0.2%
65.4%	50.5	50.4	0.0	0.0%
66.7%	50.4	50.4	0.0	0.0%
67.9%	50.3	50.4	0.1	0.2%
69.1%	50.2	50.2	0.0	0.1%
70.4%	50.2	50.2	0.1	0.1%
71.6%	50.1	50.2	0.0	0.1%
72.8%	50.1	50.2	0.1	0.1%
74.1%	50.0	50.0	0.0	0.0%
75.3%	50.0	50.0	0.0	0.1%
76.5%	49.7	49.7	0.0	0.0%
77.8%	49.5	49.4	-0.1	-0.2%
79.0%	49.3	49.3	0.0	0.0%
80.2%	49.3	49.3	0.0	0.0%
81.5%	49.3	49.2	-0.1	-0.1%
82.7%	49.1	49.2	0.1	0.2%
84.0%	49.1	49.1	0.0	0.1%
85.2%	49.1	49.1	0.0	0.0%
86.4%	49.1	49.0	0.0	-0.1%
87.7%	49.0	49.0	0.0	-0.1%
88.9%	48.7	48.8	0.2	0.4%
90.1%	48.6	48.6	0.0	0.0%
91.4%	48.5	48.6	0.0	0.1%
92.6%	48.5	48.5	0.0	0.1%
93.8%	48.4	48.4	0.0	0.1%
95.1%	48.4	48.4	0.0	0.0%
96.3%	48.2	48.2	0.0	0.0%
97.5%	48.2	48.1	0.0	-0.1%
98.8%	48.0	48.0	0.0	0.0%
100.0%	48.0	48.0	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.5	57.3	-0.2	-0.3%
1.2%	57.1	57.0	-0.2	-0.3%
2.5%	56.9	56.6	-0.3	-0.5%
3.7%	56.5	56.5	-0.1	-0.1%
4.9%	56.4	56.4	0.1	0.1%
6.2%	56.3	56.4	0.0	0.1%
7.4%	56.3	56.1	-0.2	-0.3%
8.6%	56.3	56.1	-0.2	-0.3%
9.9%	56.0	56.1	0.1	0.1%
11.1%	56.0	55.9	0.0	0.0%
12.3%	55.9	55.9	0.0	0.0%
13.6%	55.9	55.8	0.0	-0.1%
14.8%	55.9	55.8	0.0	-0.1%
16.0%	55.7	55.5	-0.3	-0.5%
17.3%	55.7	55.4	-0.3	-0.5%
18.5%	55.3	55.3	-0.1	-0.1%
19.8%	55.2	55.3	0.1	0.2%
21.0%	55.1	55.2	0.0	0.1%
22.2%	55.1	55.2	0.1	0.1%
23.5%	55.1	55.1	0.0	0.1%
24.7%	55.1	55.1	0.0	0.1%
25.9%	55.0	55.1	0.1	0.1%
27.2%	55.0	55.1	0.1	0.2%
28.4%	54.9	55.1	0.2	0.3%
29.6%	54.9	55.0	0.1	0.2%
30.9%	54.8	54.9	0.1	0.2%
32.1%	54.8	54.9	0.1	0.2%
33.3%	54.8	54.9	0.1	0.2%
34.6%	54.8	54.9	0.1	0.2%
35.8%	54.8	54.9	0.1	0.2%
37.0%	54.7	54.8	0.1	0.2%
38.3%	54.5	54.8	0.3	0.5%
39.5%	54.5	54.7	0.2	0.4%
40.7%	54.5	54.6	0.1	0.2%
42.0%	54.4	54.6	0.2	0.3%
43.2%	54.4	54.5	0.1	0.2%
44.4%	54.4	54.5	0.1	0.1%
45.7%	54.3	54.4	0.2	0.3%
46.9%	54.2	54.4	0.2	0.4%
48.1%	54.2	54.4	0.2	0.4%
49.4%	54.1	54.3	0.2	0.3%
50.6%	54.1	54.3	0.1	0.3%
51.9%	54.1	54.3	0.1	0.3%
53.1%	54.1	54.2	0.1	0.2%
54.3%	54.1	54.2	0.1	0.1%
55.6%	54.0	54.2	0.1	0.2%
56.8%	54.0	54.1	0.1	0.2%
58.0%	54.0	54.1	0.1	0.2%
59.3%	54.0	54.1	0.2	0.3%
60.5%	53.9	54.1	0.2	0.4%
61.7%	53.8	54.1	0.3	0.5%
63.0%	53.7	54.0	0.3	0.5%
64.2%	53.7	54.0	0.2	0.4%
65.4%	53.7	53.8	0.1	0.2%
66.7%	53.7	53.8	0.1	0.2%
67.9%	53.6	53.7	0.1	0.2%
69.1%	53.5	53.7	0.2	0.4%
70.4%	53.4	53.6	0.2	0.4%
71.6%	53.4	53.6	0.2	0.4%
72.8%	53.4	53.6	0.2	0.3%
74.1%	53.4	53.6	0.2	0.3%
75.3%	53.4	53.6	0.2	0.3%
76.5%	53.4	53.5	0.1	0.2%
77.8%	53.4	53.5	0.1	0.2%
79.0%	53.3	53.5	0.1	0.3%
80.2%	53.2	53.4	0.2	0.4%
81.5%	53.2	53.4	0.2	0.4%
82.7%	53.1	53.4	0.3	0.5%
84.0%	53.1	53.4	0.3	0.5%
85.2%	53.1	53.4	0.3	0.6%
86.4%	53.0	53.3	0.3	0.5%
87.7%	52.7	52.8	0.0	0.0%
88.9%	52.4	52.5	0.1	0.1%
90.1%	52.3	52.3	0.0	-0.1%
91.4%	52.1	52.1	0.0	0.0%
92.6%	52.0	52.1	0.1	0.1%
93.8%	52.0	52.1	0.1	0.2%
95.1%	51.6	51.8	0.2	0.4%
96.3%	51.3	51.3	0.0	0.0%
97.5%	50.9	50.7	-0.1	-0.3%
98.8%	50.7	50.6	-0.1	-0.1%
100.0%	50.7	50.6	-0.1	-0.1%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.4	59.9	-0.5	-0.8%
1.2%	59.7	59.5	-0.3	-0.5%
2.5%	59.7	59.3	-0.4	-0.6%
3.7%	59.4	59.1	-0.3	-0.4%
4.9%	59.1	59.1	0.0	0.0%
6.2%	58.7	59.0	0.4	0.6%
7.4%	58.6	59.0	0.4	0.7%
8.6%	58.6	59.0	0.4	0.8%
9.9%	58.6	58.9	0.3	0.6%
11.1%	58.5	58.9	0.4	0.7%
12.3%	58.4	58.8	0.4	0.7%
13.6%	58.2	58.8	0.5	0.9%
14.8%	58.1	58.7	0.6	1.1%
16.0%	58.1	58.7	0.7	1.1%
17.3%	58.0	58.7	0.6	1.1%
18.5%	57.9	58.6	0.7	1.1%
19.8%	57.9	58.6	0.7	1.3%
21.0%	57.8	58.4	0.6	1.1%
22.2%	57.4	58.3	0.9	1.5%
23.5%	57.4	58.3	0.8	1.4%
24.7%	57.2	58.2	1.0	1.8%
25.9%	57.1	58.0	0.9	1.6%
27.2%	57.1	57.9	0.7	1.3%
28.4%	57.1	57.8	0.7	1.3%
29.6%	57.1	57.7	0.6	1.1%
30.9%	57.0	57.4	0.4	0.7%
32.1%	57.0	57.4	0.4	0.7%
33.3%	57.0	57.4	0.4	0.8%
34.6%	56.9	57.4	0.5	0.8%
35.8%	56.9	57.3	0.4	0.7%
37.0%	56.8	57.3	0.4	0.8%
38.3%	56.8	57.2	0.5	0.8%
39.5%	56.6	57.2	0.6	1.0%
40.7%	56.5	57.1	0.6	1.0%
42.0%	56.5	57.1	0.6	1.0%
43.2%	56.5	57.1	0.6	1.0%
44.4%	56.5	57.1	0.6	1.1%
45.7%	56.4	57.0	0.6	1.1%
46.9%	56.4	57.0	0.6	1.1%
48.1%	56.3	56.9	0.5	1.0%
49.4%	56.3	56.9	0.5	1.0%
50.6%	56.2	56.8	0.6	1.1%
51.9%	56.0	56.8	0.8	1.4%
53.1%	56.0	56.8	0.8	1.4%
54.3%	56.0	56.8	0.7	1.3%
55.6%	56.0	56.8	0.8	1.4%
56.8%	56.0	56.7	0.7	1.2%
58.0%	55.9	56.6	0.7	1.2%
59.3%	55.9	56.6	0.7	1.3%
60.5%	55.9	56.5	0.6	1.0%
61.7%	55.9	56.4	0.6	1.0%
63.0%	55.8	56.4	0.5	1.0%
64.2%	55.8	56.2	0.4	0.7%
65.4%	55.8	56.1	0.4	0.7%
66.7%	55.8	56.1	0.3	0.5%
67.9%	55.7	56.1	0.3	0.6%
69.1%	55.7	56.1	0.3	0.6%
70.4%	55.6	56.0	0.4	0.8%
71.6%	55.6	56.0	0.4	0.7%
72.8%	55.6	56.0	0.4	0.7%
74.1%	55.4	56.0	0.5	0.9%
75.3%	55.3	55.9	0.6	1.1%
76.5%	55.3	55.9	0.6	1.1%
77.8%	55.3	55.9	0.6	1.0%
79.0%	55.3	55.8	0.5	1.0%
80.2%	55.2	55.8	0.6	1.0%
81.5%	55.2	55.7	0.5	0.9%
82.7%	55.2	55.7	0.5	0.8%
84.0%	55.2	55.5	0.3	0.5%
85.2%	55.2	55.5	0.3	0.5%
86.4%	55.2	55.5	0.3	0.5%
87.7%	55.2	55.3	0.1	0.2%
88.9%	55.0	55.2	0.2	0.3%
90.1%	55.0	55.2	0.2	0.3%
91.4%	55.0	55.1	0.2	0.3%
92.6%	54.7	55.0	0.3	0.5%
93.8%	54.7	55.0	0.3	0.5%
95.1%	54.7	55.0	0.3	0.5%
96.3%	54.3	54.6	0.4	0.6%
97.5%	54.3	54.5	0.2	0.4%
98.8%	54.2	54.3	0.1	0.2%
100.0%	54.2	54.3	0.1	0.2%

Table SQ6-1b

Sacramento River at Bend Bridge, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.5	60.4	-0.1	-0.2%
1.2%	60.5	59.7	-0.8	-1.3%
2.5%	59.7	59.5	-0.2	-0.3%
3.7%	59.7	59.1	-0.6	-1.0%
4.9%	59.6	58.9	-0.6	-1.1%
6.2%	59.6	58.9	-0.6	-1.1%
7.4%	59.4	58.9	-0.5	-0.9%
8.6%	59.1	58.8	-0.4	-0.7%
9.9%	59.1	58.7	-0.4	-0.6%
11.1%	59.1	58.7	-0.4	-0.7%
12.3%	59.0	58.5	-0.6	-0.9%
13.6%	59.0	58.4	-0.5	-0.9%
14.8%	58.8	58.4	-0.4	-0.7%
16.0%	58.7	58.4	-0.2	-0.4%
17.3%	58.2	58.4	0.1	0.2%
18.5%	58.2	58.3	0.1	0.2%
19.8%	58.2	58.3	0.1	0.1%
21.0%	58.1	58.2	0.2	0.3%
22.2%	58.0	58.1	0.1	0.3%
23.5%	57.9	58.1	0.2	0.3%
24.7%	57.8	58.0	0.2	0.4%
25.9%	57.6	58.0	0.4	0.6%
27.2%	57.6	57.9	0.3	0.5%
28.4%	57.5	57.9	0.4	0.6%
29.6%	57.5	57.9	0.4	0.7%
30.9%	57.2	57.9	0.6	1.1%
32.1%	57.2	57.8	0.5	0.9%
33.3%	57.2	57.7	0.5	0.9%
34.6%	57.2	57.7	0.5	0.9%
35.8%	57.1	57.6	0.5	1.0%
37.0%	57.1	57.6	0.5	0.9%
38.3%	57.0	57.5	0.5	1.0%
39.5%	56.9	57.5	0.6	1.0%
40.7%	56.9	57.5	0.6	1.0%
42.0%	56.8	57.4	0.6	1.0%
43.2%	56.7	57.2	0.5	0.8%
44.4%	56.7	57.2	0.5	0.9%
45.7%	56.6	57.1	0.5	0.8%
46.9%	56.6	57.1	0.5	0.9%
48.1%	56.6	57.0	0.4	0.8%
49.4%	56.4	57.0	0.5	0.9%
50.6%	56.2	56.9	0.7	1.3%
51.9%	56.2	56.9	0.7	1.2%
53.1%	56.2	56.8	0.7	1.2%
54.3%	56.2	56.8	0.6	1.0%
55.6%	56.1	56.7	0.6	1.0%
56.8%	56.1	56.7	0.6	1.1%
58.0%	56.0	56.7	0.7	1.2%
59.3%	56.0	56.7	0.7	1.2%
60.5%	56.0	56.7	0.7	1.2%
61.7%	56.0	56.6	0.7	1.2%
63.0%	56.0	56.6	0.7	1.2%
64.2%	56.0	56.6	0.6	1.1%
65.4%	55.9	56.6	0.6	1.2%
66.7%	55.9	56.6	0.6	1.2%
67.9%	55.9	56.6	0.7	1.2%
69.1%	55.9	56.5	0.6	1.1%
70.4%	55.8	56.3	0.5	0.8%
71.6%	55.8	56.3	0.4	0.8%
72.8%	55.7	56.3	0.6	1.1%
74.1%	55.7	56.3	0.6	1.1%
75.3%	55.5	56.2	0.7	1.3%
76.5%	55.4	56.2	0.8	1.4%
77.8%	55.4	56.2	0.8	1.4%
79.0%	55.3	56.1	0.9	1.6%
80.2%	55.2	56.1	0.9	1.7%
81.5%	55.1	56.1	1.0	1.8%
82.7%	55.0	55.9	0.9	1.6%
84.0%	55.0	55.9	0.9	1.7%
85.2%	55.0	55.9	0.9	1.6%
86.4%	54.8	55.8	0.9	1.7%
87.7%	54.8	55.6	0.8	1.5%
88.9%	54.7	55.5	0.7	1.4%
90.1%	54.6	55.3	0.7	1.3%
91.4%	54.6	55.3	0.7	1.3%
92.6%	54.5	55.2	0.7	1.3%
93.8%	54.4	55.0	0.6	1.1%
95.1%	54.3	54.7	0.4	0.7%
96.3%	54.3	54.7	0.4	0.8%
97.5%	54.2	54.7	0.5	0.8%
98.8%	54.2	54.6	0.4	0.8%
100.0%	54.2	54.6	0.4	0.8%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	68.9	69.0	0.2	0.3%
1.2%	63.4	60.9	-2.5	-3.9%
2.5%	62.9	59.8	-3.1	-4.9%
3.7%	61.3	59.6	-1.7	-2.7%
4.9%	60.8	59.6	-1.2	-1.9%
6.2%	60.4	59.3	-1.1	-1.8%
7.4%	60.3	59.3	-1.0	-1.6%
8.6%	60.2	59.3	-0.9	-1.4%
9.9%	60.2	59.3	-0.9	-1.5%
11.1%	60.1	59.2	-0.9	-1.5%
12.3%	59.7	59.1	-0.7	-1.1%
13.6%	59.7	59.0	-0.7	-1.2%
14.8%	59.6	58.9	-0.7	-1.2%
16.0%	59.5	58.7	-0.8	-1.3%
17.3%	59.5	58.7	-0.8	-1.3%
18.5%	59.2	58.7	-0.5	-0.9%
19.8%	59.2	58.7	-0.5	-0.9%
21.0%	59.2	58.6	-0.5	-0.9%
22.2%	59.1	58.6	-0.5	-0.8%
23.5%	59.1	58.5	-0.5	-0.9%
24.7%	59.1	58.5	-0.5	-0.9%
25.9%	59.0	58.5	-0.5	-0.8%
27.2%	58.9	58.5	-0.5	-0.8%
28.4%	58.8	58.4	-0.4	-0.7%
29.6%	58.8	58.4	-0.4	-0.7%
30.9%	58.6	58.4	-0.2	-0.4%
32.1%	58.5	58.2	-0.3	-0.5%
33.3%	58.4	58.2	-0.2	-0.4%
34.6%	58.2	58.1	0.0	-0.1%
35.8%	58.0	58.0	0.0	0.0%
37.0%	58.0	58.0	0.0	0.1%
38.3%	58.0	58.0	0.0	0.1%
39.5%	57.7	58.0	0.2	0.4%
40.7%	57.7	57.8	0.1	0.1%
42.0%	57.5	57.8	0.2	0.4%
43.2%	57.5	57.7	0.2	0.4%
44.4%	57.5	57.7	0.2	0.3%
45.7%	57.5	57.7	0.2	0.4%
46.9%	57.4	57.6	0.2	0.3%
48.1%	57.4	57.5	0.1	0.2%
49.4%	57.4	57.5	0.1	0.3%
50.6%	57.3	57.5	0.2	0.4%
51.9%	57.3	57.5	0.2	0.4%
53.1%	57.3	57.4	0.1	0.2%
54.3%	57.2	57.4	0.1	0.2%
55.6%	57.2	57.3	0.2	0.3%
56.8%	57.1	57.3	0.2	0.3%
58.0%	57.1	57.3	0.2	0.3%
59.3%	57.1	57.3	0.1	0.2%
60.5%	57.1	57.2	0.1	0.3%
61.7%	57.0	57.2	0.2	0.3%
63.0%	56.9	57.2	0.3	0.5%
64.2%	56.8	57.1	0.2	0.4%
65.4%	56.7	57.0	0.3	0.6%
66.7%	56.7	56.9	0.3	0.5%
67.9%	56.6	56.9	0.3	0.5%
69.1%	56.6	56.9	0.3	0.5%
70.4%	56.5	56.8	0.3	0.5%
71.6%	56.4	56.8	0.4	0.6%
72.8%	56.4	56.7	0.3	0.6%
74.1%	56.4	56.7	0.3	0.5%
75.3%	56.3	56.7	0.4	0.7%
76.5%	56.3	56.4	0.1	0.3%
77.8%	56.3	56.2	-0.1	-0.1%
79.0%	56.2	56.2	-0.1	-0.1%
80.2%	56.2	56.1	-0.1	-0.2%
81.5%	56.2	56.1	-0.1	-0.2%
82.7%	56.1	55.9	-0.2	-0.3%
84.0%	56.1	55.9	-0.2	-0.3%
85.2%	56.0	55.9	-0.1	-0.1%
86.4%	55.8	55.9	0.1	0.1%
87.7%	55.7	55.8	0.1	0.1%
88.9%	55.6	55.7	0.1	0.2%
90.1%	55.6	55.7	0.1	0.1%
91.4%	55.6	55.6	0.0	0.0%
92.6%	55.5	55.6	0.1	0.1%
93.8%	55.3	55.5	0.2	0.3%
95.1%	55.2	55.4	0.2	0.3%
96.3%	55.1	55.4	0.3	0.6%
97.5%	55.0	55.4	0.4	0.7%
98.8%	54.9	55.2	0.3	0.5%
100.0%	54.9	55.2	0.3	0.5%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	73.5	73.7	0.1	0.2%
1.2%	68.3	66.9	-1.5	-2.1%
2.5%	68.0	65.3	-2.7	-3.9%
3.7%	66.8	65.0	-1.8	-2.7%
4.9%	63.1	61.6	-1.5	-2.3%
6.2%	63.0	60.7	-2.3	-3.7%
7.4%	61.7	60.5	-1.2	-1.9%
8.6%	61.7	60.3	-1.4	-2.3%
9.9%	61.0	60.0	-1.0	-1.6%
11.1%	60.9	60.0	-0.9	-1.5%
12.3%	60.8	59.9	-1.0	-1.6%
13.6%	60.8	59.7	-1.1	-1.8%
14.8%	60.8	59.7	-1.1	-1.8%
16.0%	60.7	59.7	-1.1	-1.8%
17.3%	60.7	59.7	-1.1	-1.8%
18.5%	60.5	59.6	-0.9	-1.5%
19.8%	60.5	59.6	-0.9	-1.4%
21.0%	60.3	59.5	-0.8	-1.3%
22.2%	60.2	59.5	-0.7	-1.1%
23.5%	60.2	59.4	-0.8	-1.3%
24.7%	60.0	59.4	-0.6	-1.0%
25.9%	60.0	59.4	-0.6	-1.0%
27.2%	60.0	59.3	-0.6	-1.1%
28.4%	60.0	59.3	-0.7	-1.1%
29.6%	59.9	59.2	-0.7	-1.2%
30.9%	59.7	59.2	-0.5	-0.8%
32.1%	59.7	59.2	-0.5	-0.8%
33.3%	59.6	59.2	-0.5	-0.8%
34.6%	59.6	59.2	-0.4	-0.7%
35.8%	59.5	59.2	-0.4	-0.6%
37.0%	59.4	59.1	-0.4	-0.6%
38.3%	59.4	59.0	-0.4	-0.7%
39.5%	59.4	59.0	-0.4	-0.7%
40.7%	59.4	59.0	-0.4	-0.7%
42.0%	59.3	59.0	-0.4	-0.7%
43.2%	59.3	59.0	-0.4	-0.6%
44.4%	59.3	59.0	-0.4	-0.6%
45.7%	59.3	59.0	-0.3	-0.5%
46.9%	59.2	58.9	-0.3	-0.5%
48.1%	59.2	58.9	-0.3	-0.5%
49.4%	59.2	58.9	-0.3	-0.5%
50.6%	59.2	58.8	-0.4	-0.6%
51.9%	59.2	58.8	-0.4	-0.6%
53.1%	59.1	58.8	-0.4	-0.6%
54.3%	59.1	58.8	-0.3	-0.6%
55.6%	59.1	58.7	-0.4	-0.6%
56.8%	59.1	58.7	-0.4	-0.6%
58.0%	59.0	58.7	-0.4	-0.6%
59.3%	59.0	58.6	-0.3	-0.6%
60.5%	58.9	58.6	-0.3	-0.5%
61.7%	58.8	58.6	-0.3	-0.5%
63.0%	58.8	58.5	-0.3	-0.5%
64.2%	58.8	58.5	-0.3	-0.4%
65.4%	58.6	58.4	-0.2	-0.4%
66.7%	58.6	58.4	-0.2	-0.4%
67.9%	58.6	58.2	-0.3	-0.6%
69.1%	58.5	58.2	-0.4	-0.7%
70.4%	58.4	58.1	-0.3	-0.5%
71.6%	58.3	58.1	-0.3	-0.5%
72.8%	58.3	58.1	-0.3	-0.5%
74.1%	58.3	58.0	-0.2	-0.4%
75.3%	58.3	57.9	-0.3	-0.6%
76.5%	58.3	57.9	-0.3	-0.6%
77.8%	58.3	57.9	-0.3	-0.6%
79.0%	58.2	57.9	-0.3	-0.5%
80.2%	58.1	57.9	-0.2	-0.4%
81.5%	58.1	57.9	-0.2	-0.4%
82.7%	58.0	57.8	-0.2	-0.4%
84.0%	57.9	57.8	-0.1	-0.2%
85.2%	57.9	57.8	-0.1	-0.2%
86.4%	57.9	57.8	-0.1	-0.2%
87.7%	57.8	57.8	-0.1	-0.1%
88.9%	57.8	57.7	-0.1	-0.2%
90.1%	57.7	57.6	0.0	-0.1%
91.4%	57.6	57.1	-0.5	-0.9%
92.6%	57.4	56.8	-0.6	-1.0%
93.8%	57.3	56.8	-0.5	-0.9%
95.1%	57.2	56.8	-0.4	-0.7%
96.3%	56.9	56.2	-0.6	-1.1%
97.5%	56.6	56.2	-0.4	-0.8%
98.8%	56.2	56.0	-0.2	-0.4%
100.0%	56.2	56.0	-0.2	-0.4%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	72.4	70.5	-2.0	-2.7%
1.2%	71.1	70.2	-0.9	-1.2%
2.5%	70.0	68.1	-1.8	-2.6%
3.7%	69.0	67.9	-1.1	-1.6%
4.9%	68.0	65.1	-2.9	-4.2%
6.2%	67.5	64.3	-3.2	-4.8%
7.4%	66.8	64.1	-2.7	-4.0%
8.6%	66.0	62.9	-3.0	-4.6%
9.9%	65.4	62.6	-2.9	-4.4%
11.1%	64.3	62.5	-1.8	-2.7%
12.3%	64.2	62.4	-1.8	-2.8%
13.6%	63.7	62.2	-1.5	-2.3%
14.8%	63.5	61.4	-2.1	-3.3%
16.0%	63.1	61.1	-2.0	-3.2%
17.3%	63.0	61.0	-2.0	-3.2%
18.5%	63.0	61.0	-2.0	-3.1%
19.8%	62.9	60.9	-2.1	-3.3%
21.0%	62.9	60.8	-2.0	-3.2%
22.2%	62.6	60.2	-2.4	-3.9%
23.5%	62.4	60.2	-2.2	-3.6%
24.7%	62.1	59.7	-2.4	-3.9%
25.9%	61.7	59.6	-2.0	-3.3%
27.2%	61.6	59.6	-2.0	-3.2%
28.4%	61.5	59.6	-2.0	-3.2%
29.6%	61.5	59.5	-1.9	-3.1%
30.9%	61.2	59.5	-1.7	-2.8%
32.1%	61.2	59.5	-1.6	-2.7%
33.3%	60.7	59.5	-1.3	-2.1%
34.6%	60.7	59.4	-1.3	-2.2%
35.8%	60.6	59.2	-1.3	-2.2%
37.0%	60.3	59.2	-1.1	-1.9%
38.3%	60.3	59.1	-1.2	-1.9%
39.5%	60.2	58.9	-1.3	-2.2%
40.7%	60.2	58.8	-1.4	-2.3%
42.0%	60.1	58.8	-1.3	-2.1%
43.2%	60.1	58.8	-1.3	-2.1%
44.4%	59.9	58.7	-1.2	-2.0%
45.7%	59.7	58.6	-1.1	-1.8%
46.9%	59.6	58.6	-1.0	-1.6%
48.1%	59.6	58.6	-1.0	-1.6%
49.4%	59.5	58.6	-1.0	-1.6%
50.6%	59.4	58.5	-0.8	-1.4%
51.9%	59.2	58.4	-0.8	-1.3%
53.1%	58.9	58.4	-0.5	-0.9%
54.3%	58.1	58.4	0.3	0.5%
55.6%	58.0	58.3	0.3	0.5%
56.8%	57.7	58.2	0.5	0.8%
58.0%	57.6	58.2	0.6	1.0%
59.3%	57.5	58.0	0.5	0.8%
60.5%	57.5	58.0	0.5	0.8%
61.7%	57.4	58.0	0.5	0.9%
63.0%	57.3	57.9	0.6	1.1%
64.2%	57.1	57.8	0.8	1.3%
65.4%	56.6	57.7	1.1	2.0%
66.7%	56.5	57.4	0.9	1.6%
67.9%	56.4	57.4	1.0	1.7%
69.1%	56.4	56.7	0.3	0.6%
70.4%	56.4	56.7	0.3	0.6%
71.6%	56.3	56.6	0.4	0.6%
72.8%	56.2	56.6	0.4	0.7%
74.1%	56.1	56.6	0.5	0.8%
75.3%	56.1	56.4	0.3	0.5%
76.5%	56.1	56.2	0.2	0.3%
77.8%	56.0	56.2	0.3	0.5%
79.0%	55.8	56.1	0.3	0.5%
80.2%	55.7	56.1	0.4	0.7%
81.5%	55.5	55.9	0.4	0.7%
82.7%	55.5	55.8	0.2	0.4%
84.0%	55.2	55.1	-0.1	-0.2%
85.2%	55.1	55.0	-0.1	-0.3%
86.4%	54.9	54.8	-0.1	-0.2%
87.7%	54.9	54.6	-0.3	-0.5%
88.9%	54.8	54.5	-0.3	-0.6%
90.1%	54.6	54.4	-0.2	-0.4%
91.4%	54.6	54.4	-0.2	-0.4%
92.6%	54.5	54.4	-0.2	-0.3%
93.8%	54.4	54.3	-0.1	-0.1%
95.1%	54.4	54.1	-0.3	-0.6%
96.3%	54.3	54.1	-0.2	-0.4%
97.5%	54.0	54.0	0.1	0.2%
98.8%	53.9	53.5	-0.3	-0.6%
100.0%	53.9	53.5	-0.3	-0.6%

Table SQ6-1b

Sacramento River at Bend Bridge, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.7	67.6	-0.1	-0.2%
1.2%	66.1	64.2	-1.9	-2.8%
2.5%	65.1	63.7	-1.5	-2.2%
3.7%	63.8	62.6	-1.3	-2.0%
4.9%	63.0	60.7	-2.3	-3.6%
6.2%	61.9	60.6	-1.3	-2.0%
7.4%	61.2	60.1	-1.1	-1.8%
8.6%	60.9	59.9	-1.0	-1.6%
9.9%	60.8	59.6	-1.2	-2.0%
11.1%	60.8	59.6	-1.2	-1.9%
12.3%	60.6	59.5	-1.0	-1.7%
13.6%	60.4	59.5	-0.9	-1.4%
14.8%	60.0	59.5	-0.5	-0.8%
16.0%	59.9	59.4	-0.4	-0.7%
17.3%	59.8	59.3	-0.6	-0.9%
18.5%	59.8	59.2	-0.6	-1.0%
19.8%	59.8	59.2	-0.6	-1.0%
21.0%	59.6	59.1	-0.5	-0.8%
22.2%	59.6	59.1	-0.5	-0.8%
23.5%	59.6	58.9	-0.6	-1.1%
24.7%	59.4	58.9	-0.6	-0.9%
25.9%	59.3	58.7	-0.7	-1.1%
27.2%	59.0	58.7	-0.3	-0.6%
28.4%	59.0	58.7	-0.3	-0.5%
29.6%	58.9	58.6	-0.3	-0.5%
30.9%	58.9	58.6	-0.3	-0.5%
32.1%	58.8	58.5	-0.2	-0.4%
33.3%	58.8	58.4	-0.4	-0.6%
34.6%	58.7	58.4	-0.4	-0.6%
35.8%	58.7	58.3	-0.4	-0.6%
37.0%	58.6	58.3	-0.2	-0.4%
38.3%	58.5	58.3	-0.2	-0.3%
39.5%	58.5	58.2	-0.3	-0.5%
40.7%	58.4	58.2	-0.2	-0.4%
42.0%	58.4	58.1	-0.3	-0.4%
43.2%	58.3	58.1	-0.2	-0.4%
44.4%	58.3	58.1	-0.2	-0.4%
45.7%	58.2	58.0	-0.2	-0.4%
46.9%	58.2	58.0	-0.2	-0.4%
48.1%	58.2	58.0	-0.2	-0.4%
49.4%	58.1	57.9	-0.2	-0.3%
50.6%	58.1	57.8	-0.2	-0.4%
51.9%	58.1	57.8	-0.3	-0.5%
53.1%	57.9	57.8	-0.2	-0.3%
54.3%	57.9	57.7	-0.3	-0.4%
55.6%	57.9	57.7	-0.3	-0.4%
56.8%	57.8	57.6	-0.2	-0.3%
58.0%	57.7	57.6	-0.1	-0.1%
59.3%	57.6	57.6	0.0	0.0%
60.5%	57.6	57.6	0.0	0.0%
61.7%	57.6	57.6	0.0	0.1%
63.0%	57.5	57.6	0.0	0.1%
64.2%	57.3	57.6	0.2	0.4%
65.4%	57.3	57.5	0.2	0.4%
66.7%	57.3	57.4	0.2	0.3%
67.9%	57.2	57.4	0.2	0.3%
69.1%	57.2	57.2	0.0	0.0%
70.4%	57.2	57.2	0.0	0.0%
71.6%	57.0	57.0	-0.1	-0.1%
72.8%	57.0	56.9	-0.1	-0.2%
74.1%	56.9	56.9	0.0	0.0%
75.3%	56.8	56.8	0.0	0.0%
76.5%	56.7	56.8	0.0	0.0%
77.8%	56.7	56.7	0.0	0.0%
79.0%	56.6	56.6	0.0	0.0%
80.2%	56.4	56.6	0.2	0.3%
81.5%	56.4	56.6	0.2	0.3%
82.7%	56.4	56.5	0.1	0.2%
84.0%	56.3	56.5	0.1	0.2%
85.2%	56.3	56.4	0.1	0.2%
86.4%	56.3	56.4	0.1	0.2%
87.7%	56.2	56.3	0.1	0.1%
88.9%	56.0	56.1	0.1	0.2%
90.1%	55.8	56.1	0.2	0.4%
91.4%	55.8	56.1	0.3	0.5%
92.6%	55.8	56.1	0.3	0.5%
93.8%	55.8	56.1	0.3	0.5%
95.1%	55.8	56.0	0.2	0.3%
96.3%	55.8	55.8	0.1	0.1%
97.5%	55.8	55.7	-0.1	-0.1%
98.8%	55.7	55.7	0.0	0.0%
100.0%	55.3	55.4	0.1	0.3%

July to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	70.1	70.2	0.1	0.1%
1.2%	67.9	65.7	-2.2	-3.2%
2.5%	67.4	65.5	-2.0	-2.9%
3.7%	65.5	64.1	-1.4	-2.1%
4.9%	64.1	61.8	-2.3	-3.6%
6.2%	63.3	61.2	-2.1	-3.4%
7.4%	62.5	60.7	-1.8	-2.9%
8.6%	62.0	60.5	-1.5	-2.5%
9.9%	61.7	60.4	-1.3	-2.1%
11.1%	61.7	60.4	-1.3	-2.2%
12.3%	61.4	60.3	-1.1	-1.8%
13.6%	61.0	59.9	-1.0	-1.7%
14.8%	60.9	59.9	-1.0	-1.6%
16.0%	60.8	59.8	-1.0	-1.7%
17.3%	60.5	59.8	-0.7	-1.2%
18.5%	60.5	59.8	-0.7	-1.1%
19.8%	60.4	59.5	-1.0	-1.6%
21.0%	60.4	59.4	-1.0	-1.6%
22.2%	60.3	59.4	-0.9	-1.5%
23.5%	60.2	59.3	-0.9	-1.5%
24.7%	60.1	59.3	-0.8	-1.4%
25.9%	59.8	59.0	-0.9	-1.4%
27.2%	59.8	58.9	-0.9	-1.4%
28.4%	59.7	58.9	-0.8	-1.3%
29.6%	59.6	58.9	-0.8	-1.3%
30.9%	59.6	58.7	-0.9	-1.5%
32.1%	59.5	58.7	-0.8	-1.3%
33.3%	59.5	58.7	-0.8	-1.3%
34.6%	59.4	58.6	-0.7	-1.2%
35.8%	59.1	58.6	-0.4	-0.8%
37.0%	58.9	58.6	-0.4	-0.6%
38.3%	58.9	58.5	-0.4	-0.7%
39.5%	58.9	58.5	-0.3	-0.6%
40.7%	58.8	58.5	-0.3	-0.6%
42.0%	58.8	58.5	-0.3	-0.5%
43.2%	58.8	58.4	-0.4	-0.6%
44.4%	58.7	58.4	-0.3	-0.5%
45.7%	58.7	58.3	-0.4	-0.6%
46.9%	58.7	58.2	-0.5	-0.8%
48.1%	58.6	58.1	-0.4	-0.7%
49.4%	58.5	58.1	-0.4	-0.7%
50.6%	58.4	58.0	-0.4	-0.7%
51.9%	58.4	58.0	-0.4	-0.6%
53.1%	58.4	58.0	-0.4	-0.6%
54.3%	58.2	57.9	-0.2	-0.4%
55.6%	58.1	57.9	-0.2	-0.3%
56.8%	58.1	57.9	-0.2	-0.3%
58.0%	58.0	57.8	-0.2	-0.3%
59.3%	58.0	57.8	-0.2	-0.3%
60.5%	57.9	57.8	-0.1	-0.2%
61.7%	57.9	57.8	-0.1	-0.2%
63.0%	57.8	57.8	-0.1	-0.1%
64.2%	57.8	57.7	-0.1	-0.2%
65.4%	57.8	57.7	-0.2	-0.3%
66.7%	57.8	57.7	-0.1	-0.2%
67.9%	57.7	57.6	-0.1	-0.1%
69.1%	57.7	57.6	-0.1	-0.2%
70.4%	57.7	57.6	-0.2	-0.3%
71.6%	57.6	57.5	-0.1	-0.2%
72.8%	57.5	57.5	0.0	-0.1%
74.1%	57.5	57.3	-0.3	-0.5%
75.3%	57.2	57.1	-0.2	-0.3%
76.5%	57.2	56.9	-0.3	-0.5%
77.8%	57.2	56.9	-0.3	-0.4%
79.0%	57.1	56.9	-0.3	-0.5%
80.2%	57.0	56.8	-0.1	-0.3%
81.5%	56.9	56.7	-0.2	-0.4%
82.7%	56.4	56.5	0.1	0.1%
84.0%	56.4	56.4	0.1	0.1%
85.2%	56.3	56.4	0.1	0.2%
86.4%	56.3	56.3	0.0	0.1%
87.7%	56.3	56.2	-0.1	-0.1%
88.9%	56.3	56.2	-0.1	-0.1%
90.1%	56.2	56.1	-0.1	-0.2%
91.4%	56.2	56.0	-0.1	-0.2%
92.6%	56.2	56.0	-0.1	-0.2%
93.8%	56.1	56.0	-0.1	-0.1%
95.1%	56.1	56.0	-0.1	-0.2%
96.3%	55.8	55.9	0.1	0.2%
97.5%	55.8	55.9	0.2	0.3%
98.8%	55.7	55.7	-0.1	-0.1%
100.0%	55.6	55.5	-0.1	-0.1%

August to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	70.8	70.8	0.0	0.0%
1.2%	70.2	68.7	-1.5	-2.2%
2.5%	69.7	67.7	-1.9	-2.8%
3.7%	68.4	66.6	-1.8	-2.7%
4.9%	66.1	63.4	-2.7	-4.1%
6.2%	64.9	62.0	-2.9	-4.5%
7.4%	63.8	61.7	-2.1	-3.3%
8.6%	63.6	61.4	-2.2	-3.4%
9.9%	62.5	61.3	-1.2	-1.9%
11.1%	62.4	61.3	-1.2	-1.9%
12.3%	62.1	61.2	-0.9	-1.4%
13.6%	61.9	61.0	-1.0	-1.6%
14.8%	61.9	60.7	-1.2	-2.0%
16.0%	61.9	60.3	-1.5	-2.5%
17.3%	61.5	60.1	-1.4	-2.3%
18.5%	61.4	60.0	-1.4	-2.2%
19.8%	61.3	60.0	-1.3	-2.1%
21.0%	60.8	59.9	-0.9	-1.5%
22.2%	60.8	59.6	-1.2	-1.9%
23.5%	60.8	59.6	-1.2	-2.0%
24.7%	60.8	59.5	-1.2	-2.0%
25.9%	60.7	59.5	-1.3	-2.1%
27.2%	60.7	59.2	-1.4	-2.4%
28.4%	60.5	59.2	-1.3	-2.2%
29.6%	60.3	59.2	-1.1	-1.8%
30.9%	60.3	59.1	-1.2	-1.9%
32.1%	60.2	59.1	-1.1	-1.8%
33.3%	60.2	59.1	-1.1	-1.8%
34.6%	60.0	59.1	-0.9	-1.6%
35.8%	59.9	59.0	-0.9	-1.4%
37.0%	59.9	59.0	-0.8	-1.4%
38.3%	59.7	59.0	-0.7	-1.2%
39.5%	59.7	59.0	-0.7	-1.2%
40.7%	59.5	58.9	-0.6	-1.0%
42.0%	59.5	58.8	-0.6	-1.1%
43.2%	59.3	58.8	-0.4	-0.8%
44.4%	59.2	58.8	-0.4	-0.7%
45.7%	59.1	58.7	-0.4	-0.7%
46.9%	59.0	58.7	-0.3	-0.5%
48.1%	59.0	58.7	-0.3	-0.5%
49.4%	58.9	58.6	-0.3	-0.5%
50.6%	58.9	58.6	-0.3	-0.6%
51.9%	58.8	58.5	-0.3	-0.4%
53.1%	58.7	58.4	-0.3	-0.5%
54.3%	58.7	58.4	-0.3	-0.4%
55.6%	58.6	58.2	-0.4	-0.7%
56.8%	58.6	58.2	-0.3	-0.6%
58.0%	58.5	58.2	-0.3	-0.5%
59.3%	58.4	58.2	-0.2	-0.4%
60.5%	58.4	58.2	-0.2	-0.4%
61.7%	58.3	58.1	-0.1	-0.2%
63.0%	58.3	58.1	-0.2	-0.3%
64.2%	58.2	58.0	-0.2	-0.3%
65.4%	58.2	57.9	-0.3	-0.5%
66.7%	58.1	57.9	-0.3	-0.5%
67.9%	58.0	57.8	-0.2	-0.4%
69.1%	58.0	57.7	-0.3	-0.5%
70.4%	58.0	57.6	-0.3	-0.6%
71.6%	57.8	57.6	-0.3	-0.5%
72.8%	57.8	57.5	-0.3	-0.6%
74.1%	57.8	57.5	-0.3	-0.6%
75.3%	57.6	57.3	-0.3	-0.5%
76.5%	57.4	57.2	-0.2	-0.3%
77.8%	57.1	57.2	0.0	0.0%
79.0%	57.1	57.0	-0.1	-0.2%
80.2%	57.0	56.8	-0.2	-0.4%
81.5%	57.0	56.8	-0.2	-0.4%
82.7%	57.0	56.8	-0.2	-0.3%
84.0%	56.9	56.7	-0.1	-0.2%
85.2%	56.6	56.7	0.0	0.1%
86.4%	56.6	56.5	-0.1	-0.1%
87.7%	56.6	56.5	-0.1	-0.2%
88.9%	56.5	56.2	-0.3	-0.5%
90.1%	56.3	56.2	-0.1	-0.2%
91.4%	56.3	56.2	-0.1	-0.2%
92.6%	56.3	56.1	-0.2	-0.3%
93.8%	56.2	56.0	-0.2	-0.4%
95.1%	56.2	55.9	-0.3	-0.5%
96.3%	56.0	55.8	-0.2	-0.3%
97.5%	56.0	55.7	-0.3	-0.5%
98.8%	55.8	55.6	-0.2	-0.3%
100.0%	55.6	54.8	-0.7	-1.3%

Figure SQ7-1b
Sacramento River at Red Bluff, Monthly Temperature
Probability of Exceedance

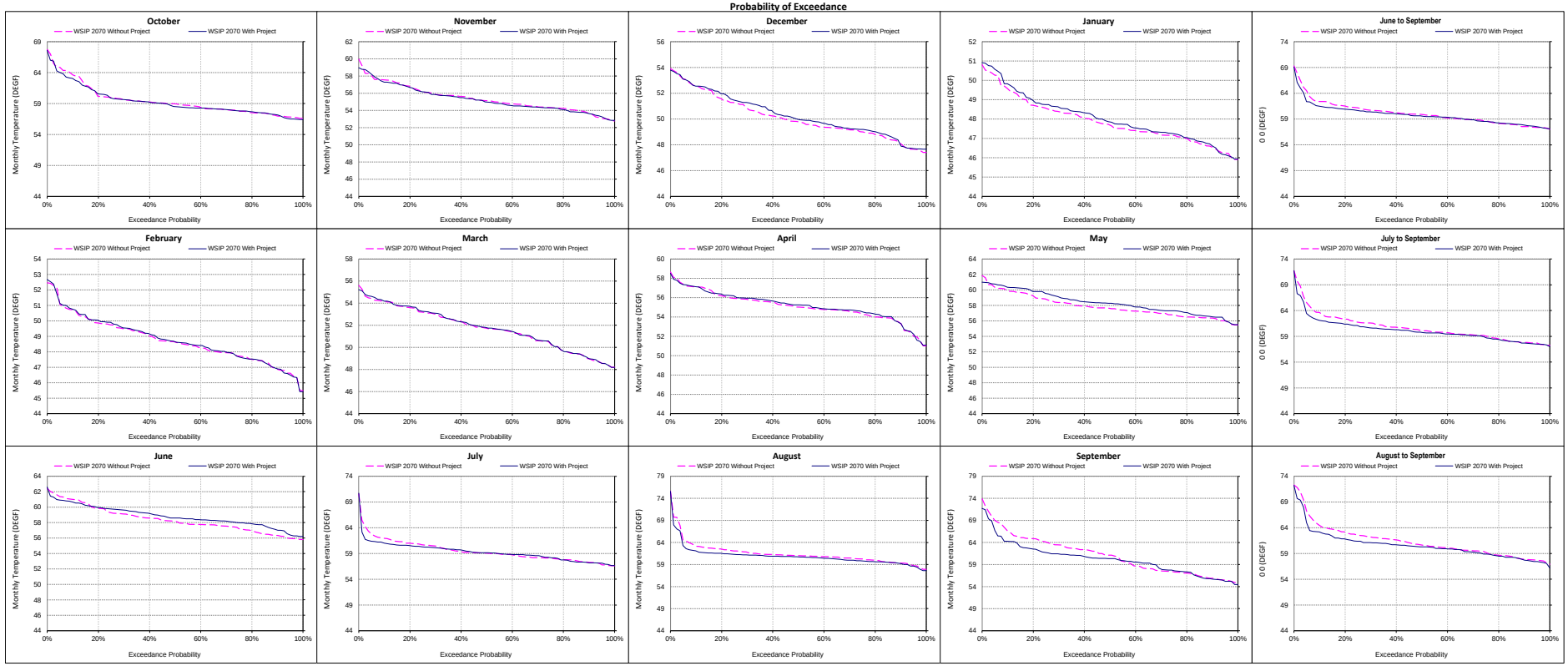


Table SQ7-1b

Sacramento River at Red Bluff, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.7	67.6	-0.2	-0.2%
1.2%	67.0	66.0	-1.0	-1.5%
2.5%	65.4	65.9	0.4	0.7%
3.7%	64.9	64.3	-0.7	-1.0%
4.9%	64.8	64.0	-0.8	-1.3%
6.2%	64.3	63.8	-0.5	-0.8%
7.4%	64.3	63.3	-1.1	-1.7%
8.6%	64.1	63.2	-0.9	-1.4%
9.9%	63.6	63.1	-0.6	-0.9%
11.1%	63.4	62.7	-0.7	-1.2%
12.3%	63.4	62.6	-0.9	-1.4%
13.6%	62.7	62.0	-0.7	-1.2%
14.8%	62.0	61.8	-0.1	-0.2%
16.0%	61.8	61.7	-0.1	-0.2%
17.3%	61.4	61.3	-0.2	-0.3%
18.5%	61.1	61.1	0.0	0.0%
19.8%	60.2	60.6	0.4	0.6%
21.0%	60.1	60.5	0.4	0.6%
22.2%	60.1	60.5	0.4	0.6%
23.5%	60.0	60.3	0.3	0.5%
24.7%	60.0	59.9	-0.1	-0.2%
25.9%	60.0	59.8	-0.2	-0.3%
27.2%	59.8	59.8	-0.1	-0.1%
28.4%	59.8	59.7	-0.1	-0.1%
29.6%	59.7	59.7	0.0	-0.1%
30.9%	59.6	59.6	0.0	0.0%
32.1%	59.5	59.6	0.0	0.1%
33.3%	59.5	59.4	-0.1	-0.1%
34.6%	59.4	59.4	0.0	-0.1%
35.8%	59.4	59.4	0.0	0.0%
37.0%	59.3	59.4	0.0	0.0%
38.3%	59.3	59.3	0.0	0.0%
39.5%	59.3	59.3	0.0	0.0%
40.7%	59.2	59.1	-0.1	-0.2%
42.0%	59.1	59.1	0.0	0.0%
43.2%	59.1	59.1	0.0	0.0%
44.4%	59.1	59.0	-0.1	-0.1%
45.7%	59.1	59.0	-0.1	-0.1%
46.9%	59.0	58.9	0.0	-0.1%
48.1%	59.0	58.7	-0.3	-0.4%
49.4%	59.0	58.5	-0.4	-0.7%
50.6%	58.9	58.5	-0.4	-0.8%
51.9%	58.8	58.5	-0.3	-0.6%
53.1%	58.8	58.4	-0.4	-0.6%
54.3%	58.7	58.4	-0.4	-0.6%
55.6%	58.7	58.3	-0.4	-0.6%
56.8%	58.6	58.3	-0.3	-0.6%
58.0%	58.6	58.3	-0.3	-0.5%
59.3%	58.5	58.3	-0.2	-0.4%
60.5%	58.3	58.3	0.0	-0.1%
61.7%	58.2	58.3	0.1	0.2%
63.0%	58.2	58.2	0.0	0.1%
64.2%	58.1	58.2	0.1	0.1%
65.4%	58.1	58.1	0.0	0.0%
66.7%	58.1	58.1	0.0	0.0%
67.9%	58.1	58.1	0.0	0.0%
69.1%	58.0	58.1	0.1	0.1%
70.4%	58.0	58.0	0.0	0.0%
71.6%	58.0	58.0	0.0	0.1%
72.8%	57.9	57.9	-0.1	-0.1%
74.1%	57.9	57.9	-0.1	-0.1%
75.3%	57.8	57.8	0.1	0.1%
76.5%	57.8	57.8	0.0	0.1%
77.8%	57.7	57.8	0.1	0.1%
79.0%	57.6	57.7	0.1	0.2%
80.2%	57.5	57.7	0.1	0.3%
81.5%	57.5	57.6	0.1	0.2%
82.7%	57.5	57.5	0.1	0.1%
84.0%	57.5	57.5	0.0	0.1%
85.2%	57.4	57.5	0.0	0.1%
86.4%	57.4	57.4	0.0	0.0%
87.7%	57.2	57.3	0.1	0.2%
88.9%	57.1	57.2	0.1	0.2%
90.1%	57.0	57.2	0.2	0.3%
91.4%	56.9	57.0	0.0	0.0%
92.6%	56.9	56.7	-0.2	-0.3%
93.8%	56.8	56.6	-0.2	-0.4%
95.1%	56.8	56.5	-0.3	-0.5%
96.3%	56.8	56.5	-0.3	-0.5%
97.5%	56.7	56.5	-0.2	-0.4%
98.8%	56.6	56.4	-0.2	-0.3%
100.0%	56.6	56.4	0.0	-0.3%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.0	59.0	-1.0	-1.6%
1.2%	59.2	58.8	-0.5	-0.8%
2.5%	58.3	58.7	0.4	0.7%
3.7%	58.3	58.5	0.2	0.4%
4.9%	58.1	58.2	0.2	0.3%
6.2%	57.6	57.9	0.3	0.5%
7.4%	57.6	57.7	0.1	0.2%
8.6%	57.6	57.4	-0.1	-0.3%
9.9%	57.6	57.3	-0.3	-0.4%
11.1%	57.5	57.3	-0.2	-0.4%
12.3%	57.5	57.2	-0.3	-0.5%
13.6%	57.4	57.2	-0.2	-0.4%
14.8%	57.2	57.2	0.0	-0.1%
16.0%	57.2	57.0	-0.2	-0.4%
17.3%	56.9	56.9	0.0	0.0%
18.5%	56.9	56.8	-0.1	-0.1%
19.8%	56.8	56.7	-0.1	-0.2%
21.0%	56.6	56.6	0.0	0.1%
22.2%	56.5	56.4	-0.1	-0.2%
23.5%	56.4	56.3	-0.1	-0.1%
24.7%	56.2	56.2	0.0	0.0%
25.9%	56.1	56.1	0.0	0.1%
27.2%	56.1	56.1	0.0	0.0%
28.4%	56.0	55.9	-0.2	-0.3%
29.6%	55.9	55.9	0.0	-0.1%
30.9%	55.8	55.8	0.0	-0.1%
32.1%	55.8	55.7	0.0	-0.1%
33.3%	55.8	55.7	0.0	-0.1%
34.6%	55.7	55.7	-0.1	-0.1%
35.8%	55.7	55.7	-0.1	-0.1%
37.0%	55.7	55.6	-0.1	-0.2%
38.3%	55.7	55.6	-0.1	-0.2%
39.5%	55.6	55.5	-0.1	-0.2%
40.7%	55.6	55.5	-0.1	-0.2%
42.0%	55.6	55.4	-0.2	-0.4%
43.2%	55.4	55.4	-0.1	-0.1%
44.4%	55.4	55.4	0.0	0.0%
45.7%	55.2	55.2	0.0	0.0%
46.9%	55.2	55.2	0.0	0.0%
48.1%	55.2	55.2	0.0	0.0%
49.4%	55.1	55.0	-0.1	-0.2%
50.6%	55.1	55.0	-0.2	-0.3%
51.9%	55.1	54.9	-0.2	-0.3%
53.1%	55.0	54.8	-0.2	-0.3%
54.3%	55.0	54.8	-0.2	-0.3%
55.6%	54.9	54.8	-0.1	-0.2%
56.8%	54.9	54.7	-0.2	-0.3%
58.0%	54.8	54.6	-0.2	-0.4%
59.3%	54.8	54.6	-0.2	-0.4%
60.5%	54.8	54.5	-0.2	-0.4%
61.7%	54.7	54.5	-0.2	-0.4%
63.0%	54.7	54.5	-0.2	-0.4%
64.2%	54.7	54.5	-0.2	-0.4%
65.4%	54.5	54.5	-0.1	-0.2%
66.7%	54.5	54.4	-0.1	-0.2%
67.9%	54.5	54.4	-0.1	-0.1%
69.1%	54.5	54.4	-0.1	-0.2%
70.4%	54.4	54.4	0.0	-0.1%
71.6%	54.4	54.3	-0.1	-0.1%
72.8%	54.4	54.3	-0.1	-0.1%
74.1%	54.4	54.3	0.0	-0.1%
75.3%	54.3	54.3	0.0	0.0%
76.5%	54.3	54.3	0.0	0.0%
77.8%	54.3	54.3	0.0	-0.1%
79.0%	54.3	54.1	-0.1	-0.3%
80.2%	54.2	54.1	-0.1	-0.3%
81.5%	54.2	54.0	-0.2	-0.4%
82.7%	54.1	53.8	-0.2	-0.4%
84.0%	54.1	53.8	-0.2	-0.4%
85.2%	54.0	53.8	-0.2	-0.4%
86.4%	53.9	53.8	-0.2	-0.3%
87.7%	53.9	53.8	-0.1	-0.3%
88.9%	53.8	53.7	-0.1	-0.1%
90.1%	53.6	53.6	0.0	0.0%
91.4%	53.5	53.6	0.0	0.1%
92.6%	53.2	53.4	0.2	0.4%
93.8%	53.2	53.4	0.2	0.3%
95.1%	53.1	53.2	0.2	0.3%
96.3%	53.0	53.1	0.0	0.0%
97.5%	53.0	52.9	-0.1	-0.2%
98.8%	52.8	52.8	0.1	0.1%
100.0%	52.8	52.8	0.1	0.1%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.9	53.8	-0.1	-0.2%
1.2%	53.8	53.7	-0.1	-0.1%
2.5%	53.6	53.5	-0.1	-0.2%
3.7%	53.3	53.4	0.1	0.2%
4.9%	53.1	53.1	0.0	0.0%
6.2%	53.1	53.0	-0.1	-0.1%
7.4%	52.8	52.9	0.1	0.2%
8.6%	52.7	52.6	0.0	-0.1%
9.9%	52.5	52.6	0.0	0.1%
11.1%	52.5	52.5	0.0	0.1%
12.3%	52.4	52.5	0.2	0.4%
13.6%	52.3	52.5	0.2	0.4%
14.8%	52.3	52.3	0.1	0.1%
16.0%	52.2	52.3	0.1	0.2%
17.3%	51.8	52.2	0.4	0.8%
18.5%	51.7	52.2	0.5	0.9%
19.8%	51.6	52.0	0.4	0.7%
21.0%	51.4	51.9	0.5	1.0%
22.2%	51.4	51.8	0.4	0.8%
23.5%	51.3	51.6	0.3	0.5%
24.7%	51.3	51.5	0.2	0.4%
25.9%	51.2	51.4	0.2	0.3%
27.2%	51.1	51.3	0.2	0.4%
28.4%	51.1	51.3	0.2	0.3%
29.6%	50.9	51.3	0.4	0.8%
30.9%	50.7	51.2	0.5	1.1%
32.1%	50.7	51.2	0.5	1.0%
33.3%	50.6	51.1	0.5	1.0%
34.6%	50.5	51.1	0.5	1.1%
35.8%	50.4	51.0	0.6	1.2%
37.0%	50.3	51.0	0.6	1.3%
38.3%	50.3	50.7	0.4	0.8%
39.5%	50.3	50.7	0.4	0.8%
40.7%	50.2	50.4	0.2	0.4%
42.0%	50.1	50.4	0.2	0.4%
43.2%	50.1	50.3	0.2	0.4%
44.4%	50.0	50.2	0.2	0.5%
45.7%	49.9	50.2	0.3	0.6%
46.9%	49.8	50.2	0.3	0.7%
48.1%	49.8	50.1	0.3	0.5%
49.4%	49.8	50.0	0.2	0.4%
50.6%	49.7	49.9	0.2	0.4%
51.9%	49.7	49.9	0.2	0.4%
53.1%	49.6	49.9	0.3	0.7%
54.3%	49.6	49.9	0.3	0.7%
55.6%	49.5	49.8	0.3	0.6%
56.8%	49.5	49.8	0.3	0.6%
58.0%	49.4	49.8	0.4	0.8%
59.3%	49.4	49.7	0.3	0.7%
60.5%	49.4	49.6	0.3	0.6%
61.7%	49.4	49.6	0.2	0.4%
63.0%	49.3	49.6	0.2	0.5%
64.2%	49.3	49.4	0.1	0.2%
65.4%	49.3	49.4	0.1	0.2%
66.7%	49.3	49.4	0.1	0.2%
67.9%	49.2	49.3	0.1	0.2%
69.1%	49.2	49.3	0.1	0.2%
70.4%	49.2	49.2	0.1	0.1%
71.6%	49.2	49.2	0.1	0.2%
72.8%	49.1	49.2	0.1	0.1%
74.1%	49.0	49.2	0.2	0.3%
75.3%	49.0	49.2	0.2	0.4%
76.5%	48.9	49.1	0.2	0.5%
77.8%	48.9	49.1	0.2	0.4%
79.0%	48.9	49.1	0.2	0.3%
80.2%	48.8	49.0	0.2	0.5%
81.5%	48.7	48.9	0.2	0.4%
82.7%	48.7	48.8	0.1	0.3%
84.0%	48.5	48.8	0.3	0.6%
85.2%	48.4	48.7	0.3	0.6%
86.4%	48.4	48.6	0.2	0.5%
87.7%	48.4	48.5	0.1	0.3%
88.9%	48.3	48.4	0.1	0.2%
90.1%	48.1	47.9	-0.2	-0.4%
91.4%	47.8	47.8	0.0	0.0%
92.6%	47.7	47.7	0.0	0.0%
93.8%	47.7	47.7	0.1	0.2%
95.1%	47.7	47.7	0.0	0.1%
96.3%	47.6	47.7	0.0	0.1%
97.5%	47.6	47.7	0.1	0.2%
98.8%	47.4	47.7	0.3	0.5%
100.0%	47.4	47.7	0.3	0.5%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	50.8	50.9	0.1	0.2%
1.2%	50.5	50.9	0.4	0.7%
2.5%	50.5	50.8	0.3	0.6%
3.7%	50.4	50.7	0.3	0.7%
4.9%	50.3	50.6	0.3	0.6%
6.2%	50.3	50.5	0.2	0.4%
7.4%	49.7	50.4	0.6	1.3%
8.6%	49.7	49.8	0.1	0.2%
9.9%	49.6	49.8	0.2	0.5%
11.1%	49.4	49.7	0.3	0.6%
12.3%	49.4	49.6	0.2	0.5%
13.6%	49.3	49.4	0.1	0.3%
14.8%	49.1	49.4	0.3	0.5%
16.0%	49.0	49.4	0.3	0.7%
17.3%	49.0	49.1	0.1	0.3%
18.5%	48.7	49.1	0.4	0.7%
19.8%	48.7	49.0	0.2	0.5%
21.0%	48.7	48.8	0.2	0.3%
22.2%	48.6	48.8	0.2	0.4%
23.5%	48.6	48.8	0.1	0.3%
24.7%	48.6	48.8	0.2	0.4%
25.9%	48.5	48.7	0.2	0.5%
27.2%	48.5	48.7	0.2	0.4%
28.4%	48.4	48.6	0.2	0.5%
29.6%	48.4	48.6	0.2	0.5%
30.9%	48.4	48.5	0.2	0.4%
32.1%	48.3	48.5	0.2	0.5%
33.3%	48.3	48.5	0.2	0.5%
34.6%	48.3	48.4	0.1	0.3%
35.8%	48.3	48.4	0.1	0.3%
37.0%	48.2	48.4	0.2	0.3%
38.3%	48.1	48.4	0.3	0.5%
39.5%	48.1	48.3	0.3	0.5%
40.7%	48.0	48.3	0.3	0.6%
42.0%	48.0	48.3	0.3	0.6%
43.2%	47.9	48.2	0.3	0.6%
44.4%	47.9	48.1	0.2	0.4%
45.7%	47.8	48.0	0.2	0.4%
46.9%	47.8	48.0	0.2	0.5%
48.1%	47.8	47.9	0.2	0.3%
49.4%	47.7	47.9	0.1	0.3%
50.6%	47.6	47.8	0.2	0.4%
51.9%	47.5	47.8	0.2	0.5%
53.1%	47.5	47.7	0.2	0.5%
54.3%	47.5	47.7	0.2	0.5%
55.6%	47.5	47.7	0.2	0.5%
56.8%	47.5	47.7	0.3	0.5%
58.0%	47.4	47.6	0.2	0.4%
59.3%	47.4	47.5	0.1	0.3%
60.5%	47.4	47.5	0.1	0.3%
61.7%	47.3	47.5	0.1	0.3%
63.0%	47.3	47.5	0.1	0.3%
64.2%	47.3	47.5	0.1	0.3%
65.4%	47.3	47.4	0.1	0.2%
66.7%	47.3	47.3	0.0	0.0%
67.9%	47.3	47.3	0.1	0.2%
69.1%	47.2	47.3	0.1	0.2%
70.4%	47.2	47.3	0.1	0.3%
71.6%	47.2	47.3	0.1	0.3%
72.8%	47.2	47.3	0.1	0.2%
74.1%	47.2	47.3	0.1	0.2%
75.3%	47.1	47.2	0.1	0.2%
76.5%	47.1	47.2	0.1	0.3%
77.8%	47.1	47.1	0.1	0.2%
79.0%	47.0	47.1	0.0	0.0%
80.2%	47.0	47.0	0.0	0.1%
81.5%	46.8	47.0	0.1	0.3%
82.7%	46.8	47.0	0.1	0.3%
84.0%	46.8	46.9	0.1	0.1%
85.2%	46.7	46.8	0.1	0.3%
86.4%	46.7	46.8	0.1	0.2%
87.7%	46.6	46.7	0.1	0.3%
88.9%	46.6	46.7	0.1	0.2%
90.1%	46.5	46.6	0.1	0.1%
91.4%	46.4	46.5	0.1	0.1%
92.6%	46.3	46.3	-0.1	-0.1%
93.8%	46.3	46.2	-0.1	-0.2%
95.1%	46.2	46.2	-0.1	-0.2%
96.3%	46.2	46.1	-0.1	-0.3%
97.5%	46.0	46.0	0.1	0.1%
98.8%	45.9	45.9	0.0	0.0%
100.0%	45.9	45.9	0.0	0.0%

Table SQ7-1b

Sacramento River at Red Bluff, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.5	52.7	0.2	0.4%
1.2%	52.4	52.5	0.1	0.2%
2.5%	52.3	52.4	0.1	0.2%
3.7%	52.2	51.8	-0.4	-0.8%
4.9%	51.1	51.1	0.1	0.1%
6.2%	50.9	51.0	0.1	0.2%
7.4%	50.8	51.0	0.2	0.3%
8.6%	50.7	50.8	0.1	0.1%
9.9%	50.7	50.8	0.1	0.1%
11.1%	50.6	50.7	0.1	0.1%
12.3%	50.4	50.4	0.1	0.2%
13.6%	50.3	50.4	0.1	0.2%
14.8%	50.3	50.4	0.1	0.3%
16.0%	50.1	50.1	0.0	0.0%
17.3%	50.1	50.1	0.0	0.0%
18.5%	49.9	50.1	0.2	0.4%
19.8%	49.9	50.1	0.2	0.4%
21.0%	49.8	49.9	0.1	0.2%
22.2%	49.8	49.9	0.1	0.3%
23.5%	49.8	49.9	0.1	0.2%
24.7%	49.7	49.9	0.2	0.3%
25.9%	49.7	49.8	0.1	0.1%
27.2%	49.6	49.8	0.2	0.4%
28.4%	49.5	49.6	0.1	0.2%
29.6%	49.5	49.5	0.1	0.1%
30.9%	49.5	49.5	0.0	0.1%
32.1%	49.5	49.5	0.0	0.1%
33.3%	49.4	49.5	0.1	0.2%
34.6%	49.3	49.4	0.1	0.1%
35.8%	49.3	49.4	0.1	0.1%
37.0%	49.2	49.3	0.1	0.2%
38.3%	49.2	49.2	0.0	0.0%
39.5%	49.0	49.2	0.1	0.3%
40.7%	49.0	49.1	0.1	0.2%
42.0%	48.9	49.1	0.2	0.3%
43.2%	48.7	48.9	0.2	0.3%
44.4%	48.7	48.8	0.1	0.2%
45.7%	48.7	48.8	0.1	0.2%
46.9%	48.7	48.7	0.1	0.1%
48.1%	48.7	48.7	0.0	0.1%
49.4%	48.7	48.7	0.0	0.1%
50.6%	48.6	48.6	0.0	0.0%
51.9%	48.6	48.6	0.0	0.1%
53.1%	48.5	48.6	0.1	0.2%
54.3%	48.5	48.6	0.1	0.2%
55.6%	48.4	48.5	0.1	0.1%
56.8%	48.4	48.5	0.1	0.2%
58.0%	48.4	48.4	0.0	0.1%
59.3%	48.3	48.4	0.1	0.3%
60.5%	48.2	48.4	0.2	0.3%
61.7%	48.2	48.3	0.1	0.2%
63.0%	48.1	48.3	0.2	0.4%
64.2%	48.0	48.1	0.1	0.1%
65.4%	48.0	48.1	0.1	0.1%
66.7%	48.0	48.1	0.1	0.1%
67.9%	48.0	48.0	0.1	0.2%
69.1%	48.0	48.0	0.1	0.1%
70.4%	47.9	48.0	0.0	0.0%
71.6%	47.9	47.9	0.0	0.0%
72.8%	47.9	47.9	0.0	-0.1%
74.1%	47.7	47.7	0.0	0.0%
75.3%	47.7	47.6	-0.1	-0.2%
76.5%	47.7	47.6	-0.1	-0.2%
77.8%	47.7	47.6	-0.1	-0.2%
79.0%	47.5	47.5	0.0	0.0%
80.2%	47.5	47.5	0.0	0.1%
81.5%	47.5	47.5	0.1	0.1%
82.7%	47.4	47.5	0.0	0.0%
84.0%	47.4	47.4	0.0	0.0%
85.2%	47.3	47.3	0.0	0.0%
86.4%	47.3	47.2	-0.1	-0.2%
87.7%	47.0	47.0	0.0	0.0%
88.9%	46.9	47.0	0.0	0.1%
90.1%	46.9	46.9	0.0	0.0%
91.4%	46.8	46.9	0.1	0.1%
92.6%	46.8	46.6	-0.2	-0.4%
93.8%	46.6	46.6	0.0	-0.1%
95.1%	46.6	46.5	-0.1	-0.3%
96.3%	46.4	46.4	0.0	-0.1%
97.5%	46.4	46.3	0.0	-0.1%
98.8%	45.5	45.4	-0.1	-0.1%
100.0%	45.5	45.4	-0.1	-0.1%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.6	55.2	-0.4	-0.7%
1.2%	55.3	55.1	-0.2	-0.3%
2.5%	54.6	54.8	0.2	0.3%
3.7%	54.5	54.7	0.2	0.3%
4.9%	54.4	54.6	0.2	0.4%
6.2%	54.3	54.5	0.3	0.5%
7.4%	54.3	54.4	0.1	0.2%
8.6%	54.2	54.3	0.1	0.2%
9.9%	54.2	54.2	0.0	0.0%
11.1%	54.1	54.2	0.1	0.1%
12.3%	54.1	54.1	0.0	0.0%
13.6%	54.0	53.9	-0.2	-0.3%
14.8%	53.8	53.8	0.1	0.1%
16.0%	53.7	53.8	0.0	0.1%
17.3%	53.7	53.7	0.0	0.0%
18.5%	53.6	53.7	0.1	0.2%
19.8%	53.6	53.7	0.1	0.2%
21.0%	53.6	53.7	0.1	0.2%
22.2%	53.5	53.6	0.1	0.1%
23.5%	53.2	53.3	0.1	0.2%
24.7%	53.2	53.3	0.1	0.1%
25.9%	53.2	53.2	0.1	0.2%
27.2%	53.1	53.2	0.1	0.2%
28.4%	53.1	53.1	0.0	0.1%
29.6%	53.0	53.1	0.1	0.2%
30.9%	53.0	53.1	0.1	0.2%
32.1%	52.7	53.0	0.3	0.5%
33.3%	52.7	52.7	0.0	0.0%
34.6%	52.7	52.6	-0.1	-0.1%
35.8%	52.6	52.6	0.0	0.0%
37.0%	52.5	52.5	0.0	0.1%
38.3%	52.4	52.4	0.0	0.0%
39.5%	52.4	52.3	-0.1	-0.1%
40.7%	52.3	52.3	0.0	0.1%
42.0%	52.1	52.3	0.2	0.4%
43.2%	52.0	52.1	0.1	0.2%
44.4%	52.0	52.0	0.0	0.0%
45.7%	51.8	52.0	0.1	0.3%
46.9%	51.8	51.9	0.1	0.2%
48.1%	51.8	51.8	0.0	0.1%
49.4%	51.8	51.8	0.1	0.1%
50.6%	51.7	51.7	0.1	0.1%
51.9%	51.7	51.7	0.1	0.2%
53.1%	51.7	51.7	0.0	0.1%
54.3%	51.6	51.6	0.0	0.0%
55.6%	51.6	51.6	0.0	0.0%
56.8%	51.6	51.6	0.0	0.0%
58.0%	51.5	51.6	0.1	0.1%
59.3%	51.4	51.5	0.0	0.1%
60.5%	51.3	51.4	0.1	0.2%
61.7%	51.3	51.3	0.0	0.0%
63.0%	51.3	51.1	-0.1	-0.3%
64.2%	51.1	51.1	0.0	0.0%
65.4%	51.0	51.1	0.0	0.1%
66.7%	51.0	51.1	0.1	0.1%
67.9%	50.8	50.9	0.1	0.3%
69.1%	50.6	50.7	0.1	0.2%
70.4%	50.6	50.6	0.0	0.1%
71.6%	50.6	50.6	0.0	0.1%
72.8%	50.5	50.6	0.0	0.1%
74.1%	50.5	50.6	0.0	0.1%
75.3%	50.2	50.3	0.1	0.1%
76.5%	50.1	50.1	-0.1	-0.1%
77.8%	50.1	50.1	0.0	0.0%
79.0%	49.8	49.8	0.0	0.0%
80.2%	49.7	49.6	0.0	-0.1%
81.5%	49.6	49.6	0.0	0.0%
82.7%	49.5	49.5	0.1	0.1%
84.0%	49.4	49.5	0.0	0.0%
85.2%	49.4	49.4	0.0	0.1%
86.4%	49.4	49.4	0.0	0.0%
87.7%	49.3	49.3	0.0	-0.1%
88.9%	49.0	49.1	0.1	0.3%
90.1%	49.0	49.0	0.0	0.0%
91.4%	48.8	49.0	0.1	0.2%
92.6%	48.8	48.9	0.1	0.2%
93.8%	48.7	48.7	0.0	-0.1%
95.1%	48.6	48.6	0.0	0.0%
96.3%	48.5	48.5	0.0	0.0%
97.5%	48.4	48.4	0.0	0.0%
98.8%	48.2	48.2	0.0	0.0%
100.0%	48.2	48.2	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.7	58.5	-0.1	-0.2%
1.2%	58.1	57.9	-0.2	-0.3%
2.5%	58.0	57.8	-0.3	-0.4%
3.7%	57.6	57.5	-0.1	-0.2%
4.9%	57.4	57.4	0.0	-0.1%
6.2%	57.2	57.3	0.1	0.2%
7.4%	57.2	57.3	0.1	0.1%
8.6%	57.1	57.2	0.1	0.1%
9.9%	57.1	57.1	0.0	0.0%
11.1%	57.1	57.1	0.0	0.0%
12.3%	57.1	56.9	-0.2	-0.3%
13.6%	57.0	56.7	-0.3	-0.5%
14.8%	56.9	56.6	-0.3	-0.5%
16.0%	56.7	56.5	-0.2	-0.4%
17.3%	56.4	56.5	0.1	0.2%
18.5%	56.2	56.4	0.2	0.3%
19.8%	56.2	56.4	0.2	0.3%
21.0%	56.1	56.3	0.1	0.2%
22.2%	56.1	56.3	0.2	0.3%
23.5%	56.0	56.2	0.3	0.5%
24.7%	55.9	56.2	0.3	0.5%
25.9%	55.9	56.0	0.1	0.2%
27.2%	55.9	56.0	0.1	0.2%
28.4%	55.9	56.0	0.1	0.2%
29.6%	55.8	55.9	0.1	0.2%
30.9%	55.8	55.9	0.2	0.3%
32.1%	55.8	55.9	0.2	0.3%
33.3%	55.7	55.9	0.2	0.3%
34.6%	55.6	55.8	0.2	0.4%
35.8%	55.6	55.8	0.2	0.4%
37.0%	55.6	55.8	0.2	0.3%
38.3%	55.6	55.7	0.2	0.3%
39.5%	55.5	55.7	0.1	0.2%
40.7%	55.5	55.6	0.1	0.2%
42.0%	55.3	55.5	0.2	0.4%
43.2%	55.3	55.5	0.2	0.3%
44.4%	55.3	55.4	0.2	0.3%
45.7%	55.2	55.4	0.2	0.3%
46.9%	55.2	55.3	0.1	0.3%
48.1%	55.1	55.3	0.1	0.2%
49.4%	55.0	55.3	0.2	0.4%
50.6%	55.0	55.2	0.2	0.4%
51.9%	55.0	55.2	0.2	0.4%
53.1%	55.0	55.2	0.2	0.5%
54.3%	54.9	55.2	0.3	0.5%
55.6%	54.9	55.0	0.1	0.2%
56.8%	54.8	55.0	0.1	0.3%
58.0%	54.8	54.9	0.1	0.2%
59.3%	54.8	54.9	0.1	0.2%
60.5%	54.8	54.8	0.1	0.1%
61.7%	54.8	54.8	0.1	0.1%
63.0%	54.8	54.8	0.0	0.1%
64.2%	54.7	54.8	0.1	0.1%
65.4%	54.7	54.8	0.0	0.1%
66.7%	54.7	54.8	0.0	0.1%
67.9%	54.7	54.7	0.1	0.1%
69.1%	54.6	54.7	0.1	0.2%
70.4%	54.5	54.7	0.2	0.4%
71.6%	54.5	54.7	0.2	0.3%
72.8%	54.5	54.6	0.1	0.3%
74.1%	54.4	54.6	0.2	0.4%
75.3%	54.2	54.5	0.3	0.5%
76.5%	54.2	54.4	0.2	0.3%
77.8%	54.1	54.4	0.3	0.5%
79.0%	54.0	54.4	0.4	0.7%
80.2%	54.0	54.3	0.3	0.5%
81.5%	54.0	54.3	0.3	0.5%
82.7%	53.9	54.1	0.1	0.2%
84.0%	53.9	54.0	0.1	0.2%
85.2%	53.9	54.0	0.1	0.2%
86.4%	53.9	54.0	0.1	0.3%
87.7%	53.6	53.6	0.0	0.0%
88.9%	53.5	53.5	-0.1	-0.1%
90.1%	53.3	53.3	0.0	0.0%
91.4%	52.6	52.7	0.1	0.2%
92.6%	52.6	52.6	0.0	0.0%
93.8%	52.4	52.5	0.1	0.2%
95.1%	52.0	52.2	0.2	0.4%
96.3%	51.9	51.6	-0.3	-0.7%
97.5%	51.6	51.5	-0.1	-0.2%
98.8%	51.0	51.1	0.1	0.1%
100.0%	51.0	51.1	0.1	0.1%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.9	61.0	-0.9	-1.4%
1.2%	61.6	61.0	-0.6	-1.0%
2.5%	60.7	60.9	0.2	0.4%
3.7%	60.7	60.8	0.1	0.2%
4.9%	60.3	60.8	0.4	0.7%
6.2%	60.2	60.6	0.4	0.7%
7.4%	60.2	60.6	0.4	0.7%
8.6%	60.1	60.5	0.4	0.6%
9.9%	59.8	60.3	0.5	0.8%
11.1%	59.8	60.3	0.5	0.8%
12.3%	59.8	60.3	0.5	0.9%
13.6%	59.7	60.3	0.6	0.9%
14.8%	59.7	60.2	0.5	0.9%
16.0%	59.6	60.2	0.6	0.9%
17.3%	59.6	60.2	0.6	1.0%
18.5%	59.3	60.0	0.7	1.2%
19.8%	59.3	59.8	0.5	0.9%
21.0%	59.0	59.8	0.8	1.4%
22.2%	58.9	59.8	0.9	1.5%
23.5%	58.9	59.8	0.9	1.5%
24.7%	58.8	59.6	0.7	1.2%
25.9%	58.7	59.5	0.8	1.4%
27.2%	58.6	59.4	0.8	1.3%
28.4%	58.4	59.2	0.8	1.4%
29.6%	58.4	59.1	0.7	1.3%
30.9%	58.4	59.0	0.6	1.0%
32.1%	58.4	58.9	0.5	0.9%
33.3%	58.3	58.9	0.6	1.0%
34.6%	58.2	58.7	0.5	0.8%
35.8%	58.0	58.7	0.7	1.2%
37.0%	58.0	58.7	0.7	1.2%
38.3%	57.9	58.5	0.6	1.0%
39.5%	57.9	58.5	0.6	1.0%
40.7%	57.9	58.4	0.5	0.9%
42.0%	57.8	58.4	0.6	1.1%
43.2%	57.8	58.4	0.6	1.1%
44.4%	57.7	58.4	0.7	1.2%
45.7%	57.7	58.3	0.6	1.1%
46.9%	57.7	58.3	0.6	1.1%
48.1%	57.7	58.3	0.6	1.1%
49.4%	57.6	58.3	0.6	1.1%
50.6%	57.6	58.3	0.7	1.2%
51.9%	57.6	58.2	0.6	1.1%
53.1%	57.4	58.2	0.7	1.3%
54.3%	57.4	58.1	0.7	1.3%
55.6%	57.4	58.1	0.7	1.3%
56.8%	57.3	58.0	0.7	1.2%
58.0%	57.3	58.0	0.7	1.2%
59.3%	57.3	57.8	0.6	1.0%
60.5%	57.3	57.8	0.5	0.9%
61.7%	57.2	57.8	0.5	1.0%
63.0%	57.2	57.7	0.5	0.8%
64.2%	57.1	57.6	0.5	0.9%
65.4%	57.1	57.5	0.3	0.6%
66.7%	57.1	57.5	0.4	0.6%
67.9%	57.1	57.5	0.4	0.7%
69.1%	57.0	57.4	0.4	0.7%
70.4%	57.0	57.3	0.4	0.7%
71.6%	57.0	57.3	0.4	0.6%
72.8%	56.8	57.3	0.5	0.9%
74.1%	56.8	57.3	0.5	0.9%
75.3%	56.8	57.3	0.5	0.9%
76.5%	56.6	57.3	0.7	1.2%
77.8%	56.6	57.2	0.6	1.1%
79.0%	56.5	57.1	0.6	1.1%
80.2%	56.5	57.1	0.6	1.0%
81.5%	56.5	56.9	0.4	0.7%
82.7%	56.5	56.8	0.3	0.5%
84.0%	56.5	56.7	0.3	0.5%
85.2%	56.4	56.7	0.3	0.5%
86.4%	56.4	56.7	0.3	0.4%
87.7%	56.4	56.6	0.2	0.4%
88.9%	56.4	56.6	0.2	0.4%
90.1%	56.4	56.5	0.1	0.3%
91.4%	56.3	56.5	0.2	0.3%
92.6%	56.0	56.5	0.5	0.8%
93.8%	56.0	56.5	0.5	0.8%
95.1%	56.0	56.0	0.0	0.0%
96.3%	55.8	55.8	0.0	0.1%
97.5%	55.5	55.6	0.1	0.2%
98.8%	55.5	55.5	0.0	0.0%
100.0%	55.5	55.5	0.0	0.0%

Table SQ7-1b

Sacramento River at Red Bluff, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	62.4	62.6	0.2	0.3%
1.2%	62.0	61.4	-0.6	-1.0%
2.5%	61.8	61.3	-0.5	-0.9%
3.7%	61.6	61.0	-0.6	-1.0%
4.9%	61.4	60.9	-0.4	-0.7%
6.2%	61.3	60.9	-0.4	-0.7%
7.4%	61.1	60.8	-0.3	-0.5%
8.6%	61.1	60.8	-0.3	-0.5%
9.9%	61.0	60.7	-0.3	-0.5%
11.1%	61.0	60.5	-0.4	-0.7%
12.3%	60.9	60.5	-0.4	-0.6%
13.6%	60.6	60.4	-0.2	-0.3%
14.8%	60.6	60.2	-0.3	-0.5%
16.0%	60.4	60.2	-0.2	-0.4%
17.3%	60.0	60.1	0.1	0.2%
18.5%	59.9	60.1	0.2	0.3%
19.8%	59.9	60.0	0.1	0.2%
21.0%	59.8	59.9	0.1	0.2%
22.2%	59.8	59.9	0.1	0.1%
23.5%	59.4	59.8	0.4	0.7%
24.7%	59.3	59.8	0.5	0.8%
25.9%	59.2	59.7	0.5	0.9%
27.2%	59.2	59.7	0.5	0.9%
28.4%	59.2	59.7	0.5	0.8%
29.6%	59.1	59.6	0.5	0.8%
30.9%	59.1	59.6	0.5	0.8%
32.1%	59.0	59.5	0.5	0.9%
33.3%	58.9	59.5	0.5	0.9%
34.6%	58.8	59.4	0.6	1.0%
35.8%	58.7	59.3	0.6	1.0%
37.0%	58.7	59.3	0.6	1.1%
38.3%	58.6	59.3	0.6	1.1%
39.5%	58.6	59.2	0.6	1.1%
40.7%	58.6	59.1	0.5	0.9%
42.0%	58.5	59.0	0.5	0.8%
43.2%	58.5	59.0	0.4	0.8%
44.4%	58.3	58.9	0.5	0.9%
45.7%	58.3	58.8	0.6	1.0%
46.9%	58.2	58.7	0.5	0.8%
48.1%	58.2	58.6	0.4	0.7%
49.4%	58.2	58.6	0.4	0.7%
50.6%	58.1	58.6	0.5	0.8%
51.9%	57.9	58.6	0.7	1.1%
53.1%	57.9	58.5	0.6	1.0%
54.3%	57.9	58.5	0.6	1.0%
55.6%	57.8	58.5	0.7	1.3%
56.8%	57.8	58.5	0.7	1.2%
58.0%	57.8	58.4	0.6	1.1%
59.3%	57.8	58.4	0.6	1.1%
60.5%	57.7	58.3	0.6	1.0%
61.7%	57.7	58.3	0.6	1.1%
63.0%	57.7	58.3	0.6	1.0%
64.2%	57.7	58.3	0.6	1.0%
65.4%	57.7	58.3	0.6	1.0%
66.7%	57.6	58.2	0.6	1.1%
67.9%	57.6	58.2	0.7	1.1%
69.1%	57.6	58.2	0.6	1.1%
70.4%	57.5	58.2	0.6	1.1%
71.6%	57.5	58.1	0.7	1.1%
72.8%	57.4	58.1	0.6	1.1%
74.1%	57.4	58.0	0.6	1.1%
75.3%	57.1	58.0	0.8	1.5%
76.5%	57.1	58.0	0.8	1.5%
77.8%	57.1	57.9	0.9	1.5%
79.0%	57.0	57.9	0.9	1.5%
80.2%	56.9	57.8	0.9	1.6%
81.5%	56.8	57.8	1.0	1.8%
82.7%	56.7	57.7	1.1	1.9%
84.0%	56.6	57.7	1.2	2.1%
85.2%	56.5	57.5	1.1	1.9%
86.4%	56.5	57.4	0.9	1.6%
87.7%	56.4	57.3	0.9	1.5%
88.9%	56.3	57.1	0.8	1.4%
90.1%	56.3	57.0	0.7	1.2%
91.4%	56.2	57.0	0.8	1.4%
92.6%	56.2	56.9	0.7	1.3%
93.8%	56.0	56.5	0.5	1.0%
95.1%	55.9	56.4	0.4	0.8%
96.3%	55.9	56.3	0.4	0.7%
97.5%	55.9	56.3	0.4	0.7%
98.8%	55.8	56.2	0.4	0.7%
100.0%	55.8	56.2	0.4	0.7%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	70.6	70.7	0.1	0.2%
1.2%	65.5	63.1	-2.3	-3.6%
2.5%	64.2	61.8	-2.5	-3.9%
3.7%	63.4	61.6	-1.8	-2.8%
4.9%	62.8	61.4	-1.4	-2.2%
6.2%	62.4	61.3	-1.1	-1.7%
7.4%	62.2	61.2	-0.9	-1.5%
8.6%	62.1	61.2	-0.8	-1.3%
9.9%	62.0	61.0	-1.0	-1.5%
11.1%	61.9	60.9	-1.0	-1.6%
12.3%	61.7	60.8	-0.9	-1.4%
13.6%	61.4	60.8	-0.6	-1.0%
14.8%	61.4	60.6	-0.7	-1.2%
16.0%	61.3	60.6	-0.7	-1.1%
17.3%	61.3	60.6	-0.7	-1.1%
18.5%	61.0	60.6	-0.4	-0.7%
19.8%	61.0	60.5	-0.5	-0.8%
21.0%	60.9	60.5	-0.5	-0.8%
22.2%	60.9	60.4	-0.5	-0.9%
23.5%	60.8	60.4	-0.5	-0.8%
24.7%	60.7	60.3	-0.4	-0.7%
25.9%	60.6	60.2	-0.4	-0.7%
27.2%	60.6	60.2	-0.4	-0.6%
28.4%	60.5	60.2	-0.3	-0.6%
29.6%	60.5	60.2	-0.3	-0.5%
30.9%	60.4	60.1	-0.3	-0.5%
32.1%	60.1	60.0	-0.1	-0.1%
33.3%	60.0	59.9	-0.1	-0.1%
34.6%	59.7	59.9	0.2	0.3%
35.8%	59.7	59.8	0.1	0.2%
37.0%	59.6	59.8	0.2	0.4%
38.3%	59.5	59.7	0.3	0.5%
39.5%	59.5	59.7	0.3	0.5%
40.7%	59.3	59.6	0.4	0.6%
42.0%	59.2	59.5	0.2	0.4%
43.2%	59.2	59.4	0.2	0.3%
44.4%	59.2	59.2	0.1	0.1%
45.7%	59.2	59.2	0.1	0.1%
46.9%	59.1	59.2	0.0	0.1%
48.1%	59.1	59.1	0.0	0.1%
49.4%	59.1	59.1	0.1	0.1%
50.6%	59.1	59.1	0.1	0.1%
51.9%	59.0	59.1	0.1	0.2%
53.1%	59.0	59.1	0.1	0.2%
54.3%	59.0	59.0	0.0	0.1%
55.6%	58.9	59.0	0.1	0.2%
56.8%	58.8	58.9	0.1	0.1%
58.0%	58.8	58.8	0.0	0.0%
59.3%	58.8	58.8	0.0	0.1%
60.5%	58.7	58.8	0.1	0.2%
61.7%	58.7	58.8	0.1	0.2%
63.0%	58.5	58.8	0.3	0.5%
64.2%	58.4	58.8	0.4	0.7%
65.4%	58.3	58.7	0.4	0.7%
66.7%	58.3	58.7	0.4	0.7%
67.9%	58.2	58.6	0.4	0.7%
69.1%	58.2	58.6	0.4	0.7%
70.4%	58.2	58.6	0.4	0.7%
71.6%	58.2	58.4	0.3	0.4%
72.8%	58.1	58.3	0.1	0.2%
74.1%	58.1	58.3	0.1	0.2%
75.3%	58.1	58.2	0.1	0.1%
76.5%	58.0	58.1	0.2	0.3%
77.8%	57.9	58.0	0.1	0.2%
79.0%	57.8	57.8	-0.1	-0.1%
80.2%	57.8	57.8	0.0	-0.1%
81.5%	57.8	57.7	-0.1	-0.2%
82.7%	57.8	57.5	-0.3	-0.5%
84.0%	57.7	57.4	-0.3	-0.5%
85.2%	57.6	57.4	-0.2	-0.4%
86.4%	57.4	57.3	-0.1	-0.2%
87.7%	57.4	57.3	-0.1	-0.1%
88.9%	57.3	57.3	0.0	-0.1%
90.1%	57.3	57.2	-0.1	-0.2%
91.4%	57.2	57.2	-0.1	-0.2%
92.6%	57.2	57.2	-0.1	-0.1%
93.8%	57.2	57.1	0.0	0.0%
95.1%	56.8	57.1	0.3	0.6%
96.3%	56.8	56.9	0.2	0.3%
97.5%	56.7	56.9	0.2	0.4%
98.8%	56.6	56.7	0.0	0.1%
100.0%	56.6	56.7	0.0	0.1%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	75.6	75.6	0.0	0.0%
1.2%	69.7	68.0	-1.8	-2.5%
2.5%	69.7	67.0	-2.6	-3.8%
3.7%	67.9	66.6	-1.3	-1.9%
4.9%	64.5	63.3	-1.1	-1.8%
6.2%	64.3	62.6	-1.7	-2.6%
7.4%	63.9	62.3	-1.6	-2.5%
8.6%	63.6	62.2	-1.4	-2.1%
9.9%	63.1	62.1	-1.0	-1.6%
11.1%	63.1	61.8	-1.3	-2.1%
12.3%	62.9	61.7	-1.2	-1.9%
13.6%	62.9	61.7	-1.2	-1.9%
14.8%	62.8	61.6	-1.2	-1.9%
16.0%	62.7	61.6	-1.1	-1.8%
17.3%	62.6	61.6	-1.0	-1.7%
18.5%	62.5	61.5	-1.0	-1.6%
19.8%	62.5	61.5	-1.0	-1.6%
21.0%	62.4	61.4	-0.9	-1.5%
22.2%	62.3	61.4	-0.9	-1.5%
23.5%	62.2	61.4	-0.8	-1.3%
24.7%	62.1	61.3	-0.7	-1.2%
25.9%	62.1	61.2	-0.8	-1.3%
27.2%	62.0	61.2	-0.8	-1.2%
28.4%	61.9	61.2	-0.7	-1.1%
29.6%	61.9	61.2	-0.6	-1.0%
30.9%	61.6	61.2	-0.5	-0.7%
32.1%	61.5	61.1	-0.4	-0.7%
33.3%	61.5	61.1	-0.4	-0.7%
34.6%	61.4	61.1	-0.3	-0.5%
35.8%	61.3	61.1	-0.3	-0.5%
37.0%	61.3	60.9	-0.4	-0.6%
38.3%	61.3	60.9	-0.4	-0.6%
39.5%	61.3	60.9	-0.4	-0.6%
40.7%	61.2	60.9	-0.4	-0.6%
42.0%	61.2	60.9	-0.3	-0.6%
43.2%	61.2	60.8	-0.3	-0.6%
44.4%	61.1	60.8	-0.3	-0.5%
45.7%	61.1	60.8	-0.3	-0.4%
46.9%	61.1	60.8	-0.3	-0.5%
48.1%	61.0	60.8	-0.3	-0.4%
49.4%	61.0	60.8	-0.2	-0.4%
50.6%	61.0	60.7	-0.3	-0.5%
51.9%	61.0	60.7	-0.3	-0.5%
53.1%	61.0	60.6	-0.3	-0.5%
54.3%	60.9	60.6	-0.3	-0.5%
55.6%	60.9	60.6	-0.3	-0.5%
56.8%	60.9	60.6	-0.3	-0.5%
58.0%	60.8	60.5	-0.3	-0.5%
59.3%	60.8	60.5	-0.3	-0.5%
60.5%	60.8	60.4	-0.4	-0.6%
61.7%	60.8	60.4	-0.4	-0.6%
63.0%	60.8	60.4	-0.4	-0.7%
64.2%	60.7	60.3	-0.4	-0.7%
65.4%	60.7	60.2	-0.5	-0.8%
66.7%	60.5	60.1	-0.4	-0.6%
67.9%	60.5	60.1	-0.4	-0.7%
69.1%	60.5	60.0	-0.5	-0.8%
70.4%	60.5	60.0	-0.5	-0.8%
71.6%	60.3	60.0	-0.4	-0.6%
72.8%	60.3	59.9	-0.4	-0.7%
74.1%	60.3	59.8	-0.4	-0.7%
75.3%	60.2	59.8	-0.4	-0.7%
76.5%	60.1	59.7	-0.4	-0.6%
77.8%	60.1	59.7	-0.4	-0.6%
79.0%	60.0	59.7	-0.3	-0.6%
80.2%	60.0	59.6	-0.3	-0.6%
81.5%	59.9	59.6	-0.2	-0.4%
82.7%	59.6	59.6	0.0	0.0%
84.0%	59.6	59.5	-0.1	-0.1%
85.2%	59.6	59.5	-0.1	-0.2%
86.4%	59.4	59.5	0.0	0.0%
87.7%	59.4	59.5	0.1	0.1%
88.9%	59.3	59.3	0.0	0.0%
90.1%	59.3	59.2	-0.1	-0.2%
91.4%	59.3	59.0	-0.3	-0.5%
92.6%	59.2	59.0	-0.2	-0.4%
93.8%	59.0	58.6	-0.4	-0.6%
95.1%	58.7	58.6	-0.1	-0.2%
96.3%	58.7	58.4	-0.3	-0.4%
97.5%	58.3	58.0	-0.4	-0.6%
98.8%	57.9	57.7	-0.3	-0.5%
100.0%	57.9	57.7	-0.3	-0.5%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	73.9	71.7	-2.2	-3.0%
1.2%	72.2	71.4	-0.8	-1.2%
2.5%	71.0	69.4	-1.7	-2.3%
3.7%	70.0	68.9	-1.1	-1.6%
4.9%	69.0	66.7	-2.3	-3.3%
6.2%	68.6	65.5	-3.1	-4.5%
7.4%	68.3	65.4	-2.8	-4.2%
8.6%	67.4	64.3	-3.1	-4.6%
9.9%	66.6	64.3	-2.4	-3.6%
11.1%	66.2	64.2	-2.0	-3.0%
12.3%	65.6	64.2	-1.4	-2.1%
13.6%	65.4	63.9	-1.5	-2.3%
14.8%	65.1	63.1	-2.0	-3.1%
16.0%	65.1	62.8	-2.3	-3.5%
17.3%	64.9	62.8	-2.2	-3.3%
18.5%	64.9	62.7	-2.2	-3.5%
19.8%	64.9	62.5	-2.3	-3.6%
21.0%	64.8	62.5	-2.4	-3.7%
22.2%	64.5	62.2	-2.4	-3.7%
23.5%	64.3	61.9	-2.4	-3.7%
24.7%	64.2	61.7	-2.4	-3.8%
25.9%	63.9	61.6	-2.2	-3.5%
27.2%	63.7	61.5	-2.2	-3.5%
28.4%	63.5	61.4	-2.0	-3.2%
29.6%	63.5	61.4	-2.0	-3.2%
30.9%	63.4	61.3	-2.1	-3.3%
32.1%	63.1	61.3	-1.8	-2.8%
33.3%	62.8	61.3	-1.5	-2.4%
34.6%	62.7	61.1	-1.6	-2.5%
35.8%	62.7	61.1	-1.5	-2.4%
37.0%	62.6	61.1	-1.5	-2.4%
38.3%	62.4	61.1	-1.3	-2.1%
39.5%	62.4	60.9	-1.5	-2.4%
40.7%	62.3	60.7	-1.6	-2.6%
42.0%	62.2	60.6	-1.6	-2.6%
43.2%	62.0	60.5	-1.5	-2.5%
44.4%	62.0	60.5	-1.5	-2.5%
45.7%	61.5	60.4	-1.1	-1.7%
46.9%	61.5	60.4	-1.1	-1.8%
48.1%	61.1	60.4	-0.8	-1.2%
49.4%	61.1	60.4	-0.7	-1.2%
50.6%	61.1	60.3	-0.8	-1.3%
51.9%	60.9	60.3	-0.6	-1.0%
53.1%	60.7	60.1	-0.6	-1.0%
54.3%	59.8	59.9	0.1	0.2%
55.6%	59.7	59.9	0.2	0.3%
56.8%	59.4	59.7	0.3	0.5%
58.0%	59.2	59.7	0.5	0.8%
59.3%	58.7	59.6	0.9	1.5%
60.5%	58.6	59.5	0.9	1.6%
61.7%	58.6	59.5	0.9	1.5%
63.0%	58.2	59.3	1.2	2.0%
64.2%	58.1	59.3	1.2	2.1%
65.4%	58.1	59.3	1.2	2.1%
66.7%	58.0	59.0	1.0	1.7%
67.9%	57.7	59.0	1.3	2.2%
69.1%	57.6	58.1	0.5	0.9%
70.4%	57.5	57.9	0.3	0.6%
71.6%	57.5	57.8	0.3	0.6%
72.8%	57.5	57.8	0.3	0.5%
74.1%	57.5	57.8	0.3	0.5%
75.3%	57.3	57.6	0.3	0.5%
76.5%	57.3	57.5	0.2	0.4%
77.8%	57.2	57.5	0.2	0.4%
79.0%	57.1	57.4	0.3	0.6%
80.2%	57.1	57.3	0.3	0.5%
81.5%	56.9	57.3	0.4	0.6%
82.7%	56.9	56.7	-0.2	-0.4%
84.0%	56.6	56.4	-0.2	-0.3%
85.2%	56.4	56.2	-0.2	-0.3%
86.4%	56.3	56.0	-0.3	-0.6%
87.7%	56.0	55.8	-0.2	-0.4%
88.9%	55.9	55.8	-0.1	-0.2%
90.1%	55.9	55.7	-0.2	-0.3%
91.4%	55.8	55.6	-0.1	-0.3%
92.6%	55.6	55.6	0.0	0.0%
93.8%	55.5	55.5	0.0	0.0%
95.1%	55.5	55.2	-0.3	-0.6%
96.3%	55.4	55.2	-0.2	-0.4%
97.5%	55.2	55.2	0.0	0.0%
98.8%	54.9	54.5	-0.4	-0.8%
100.0%	54.9	54.5	-0.4	-0.8%

Table SQ7-1b

Sacramento River at Red Bluff, Monthly Temperature

Probability of Exceedance

June to September				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	69.3	69.1	-0.2	-0.3%
1.2%	67.9	66.1	-1.8	-2.6%
2.5%	66.5	65.0	-1.5	-2.2%
3.7%	65.2	64.1	-1.1	-1.6%
4.9%	64.5	62.4	-2.1	-3.2%
6.2%	63.3	62.3	-1.0	-1.6%
7.4%	62.7	62.0	-0.8	-1.2%
8.6%	62.4	61.6	-0.8	-1.3%
9.9%	62.4	61.5	-0.9	-1.4%
11.1%	62.4	61.4	-1.0	-1.6%
12.3%	62.4	61.3	-1.1	-1.7%
13.6%	62.3	61.2	-1.1	-1.7%
14.8%	61.9	61.2	-0.7	-1.1%
16.0%	61.7	61.1	-0.6	-1.0%
17.3%	61.7	61.0	-0.7	-1.1%
18.5%	61.6	61.0	-0.6	-1.0%
19.8%	61.5	60.9	-0.6	-1.0%
21.0%	61.4	60.9	-0.5	-0.8%
22.2%	61.3	60.8	-0.5	-0.8%
23.5%	61.3	60.8	-0.5	-0.8%
24.7%	61.2	60.6	-0.5	-0.9%
25.9%	61.0	60.5	-0.5	-0.8%
27.2%	60.9	60.5	-0.4	-0.6%
28.4%	60.8	60.4	-0.4	-0.7%
29.6%	60.7	60.4	-0.3	-0.5%
30.9%	60.7	60.4	-0.3	-0.5%
32.1%	60.6	60.4	-0.3	-0.5%
33.3%	60.6	60.2	-0.4	-0.6%
34.6%	60.5	60.2	-0.3	-0.5%
35.8%	60.5	60.1	-0.4	-0.6%
37.0%	60.4	60.1	-0.3	-0.6%
38.3%	60.3	60.1	-0.2	-0.4%
39.5%	60.3	60.0	-0.2	-0.4%
40.7%	60.2	60.0	-0.2	-0.4%
42.0%	60.1	60.0	-0.1	-0.2%
43.2%	60.1	59.9	-0.2	-0.3%
44.4%	60.0	59.9	-0.1	-0.2%
45.7%	60.0	59.7	-0.3	-0.5%
46.9%	60.0	59.6	-0.3	-0.6%
48.1%	59.9	59.6	-0.3	-0.5%
49.4%	59.9	59.6	-0.3	-0.5%
50.6%	59.9	59.5	-0.3	-0.5%
51.9%	59.8	59.5	-0.3	-0.5%
53.1%	59.7	59.5	-0.2	-0.4%
54.3%	59.7	59.5	-0.2	-0.3%
55.6%	59.7	59.4	-0.2	-0.4%
56.8%	59.5	59.4	-0.1	-0.1%
58.0%	59.3	59.4	0.1	0.1%
59.3%	59.3	59.4	0.1	0.2%
60.5%	59.2	59.3	0.1	0.2%
61.7%	59.1	59.3	0.1	0.2%
63.0%	59.1	59.3	0.2	0.3%
64.2%	59.1	59.1	0.0	0.1%
65.4%	59.0	59.1	0.1	0.2%
66.7%	58.9	59.0	0.1	0.1%
67.9%	58.9	58.9	0.1	0.1%
69.1%	58.9	58.9	0.0	0.0%
70.4%	58.9	58.8	0.0	0.0%
71.6%	58.8	58.6	-0.2	-0.3%
72.8%	58.8	58.6	-0.2	-0.4%
74.1%	58.7	58.5	-0.1	-0.2%
75.3%	58.6	58.5	-0.1	-0.2%
76.5%	58.5	58.4	0.0	0.0%
77.8%	58.3	58.4	0.1	0.2%
79.0%	58.2	58.3	0.0	0.1%
80.2%	58.1	58.2	0.1	0.1%
81.5%	58.1	58.2	0.0	0.1%
82.7%	58.1	58.1	0.1	0.1%
84.0%	58.0	58.1	0.1	0.2%
85.2%	57.9	58.1	0.1	0.2%
86.4%	57.9	58.0	0.0	0.1%
87.7%	57.8	57.9	0.1	0.2%
88.9%	57.5	57.9	0.4	0.7%
90.1%	57.5	57.8	0.3	0.5%
91.4%	57.5	57.7	0.2	0.3%
92.6%	57.4	57.7	0.2	0.4%
93.8%	57.4	57.6	0.2	0.3%
95.1%	57.4	57.5	0.1	0.3%
96.3%	57.4	57.4	0.1	0.1%
97.5%	57.3	57.2	-0.1	-0.2%
98.8%	57.2	57.2	0.0	-0.1%
100.0%	57.0	57.1	0.1	0.1%

July to September				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	71.7	71.7	0.0	0.0%
1.2%	69.7	67.3	-2.4	-3.4%
2.5%	68.7	66.9	-1.8	-2.6%
3.7%	66.8	65.7	-1.1	-1.7%
4.9%	65.5	63.4	-2.1	-3.2%
6.2%	64.8	62.9	-1.9	-3.0%
7.4%	64.1	62.6	-1.5	-2.4%
8.6%	63.7	62.3	-1.4	-2.2%
9.9%	63.6	62.1	-1.6	-2.5%
11.1%	63.3	62.0	-1.3	-2.0%
12.3%	62.8	61.9	-0.9	-1.4%
13.6%	62.8	61.7	-1.0	-1.6%
14.8%	62.8	61.7	-1.1	-1.7%
16.0%	62.7	61.6	-1.1	-1.7%
17.3%	62.6	61.6	-1.0	-1.6%
18.5%	62.4	61.5	-0.9	-1.5%
19.8%	62.3	61.4	-1.0	-1.5%
21.0%	62.3	61.3	-1.0	-1.5%
22.2%	62.0	61.2	-0.8	-1.3%
23.5%	62.0	61.1	-0.8	-1.4%
24.7%	61.8	61.1	-0.6	-1.0%
25.9%	61.7	60.9	-0.8	-1.3%
27.2%	61.6	60.8	-0.8	-1.3%
28.4%	61.6	60.8	-0.8	-1.4%
29.6%	61.6	60.6	-1.0	-1.6%
30.9%	61.6	60.6	-0.9	-1.5%
32.1%	61.3	60.6	-0.7	-1.1%
33.3%	61.2	60.5	-0.7	-1.2%
34.6%	61.2	60.4	-0.7	-1.2%
35.8%	60.9	60.4	-0.5	-0.8%
37.0%	60.9	60.4	-0.5	-0.8%
38.3%	60.8	60.3	-0.4	-0.7%
39.5%	60.8	60.3	-0.5	-0.8%
40.7%	60.7	60.3	-0.5	-0.8%
42.0%	60.7	60.2	-0.5	-0.8%
43.2%	60.6	60.2	-0.5	-0.8%
44.4%	60.6	60.2	-0.4	-0.7%
45.7%	60.5	60.0	-0.5	-0.8%
46.9%	60.3	59.9	-0.5	-0.8%
48.1%	60.3	59.8	-0.5	-0.9%
49.4%	60.2	59.8	-0.4	-0.6%
50.6%	60.1	59.7	-0.4	-0.6%
51.9%	60.1	59.7	-0.4	-0.7%
53.1%	60.0	59.7	-0.3	-0.5%
54.3%	59.8	59.7	-0.2	-0.3%
55.6%	59.8	59.6	-0.2	-0.3%
56.8%	59.8	59.6	-0.2	-0.3%
58.0%	59.8	59.5	-0.2	-0.4%
59.3%	59.7	59.5	-0.2	-0.4%
60.5%	59.7	59.4	-0.2	-0.4%
61.7%	59.6	59.4	-0.1	-0.2%
63.0%	59.5	59.4	-0.1	-0.2%
64.2%	59.4	59.4	0.0	-0.1%
65.4%	59.4	59.3	-0.1	-0.2%
66.7%	59.4	59.3	-0.1	-0.1%
67.9%	59.4	59.3	-0.1	-0.2%
69.1%	59.3	59.2	-0.2	-0.3%
70.4%	59.3	59.1	-0.1	-0.2%
71.6%	59.2	59.1	-0.1	-0.1%
72.8%	59.2	59.1	-0.1	-0.1%
74.1%	59.2	58.9	-0.2	-0.4%
75.3%	59.0	58.7	-0.3	-0.6%
76.5%	59.0	58.6	-0.4	-0.6%
77.8%	58.7	58.5	-0.2	-0.3%
79.0%	58.6	58.4	-0.2	-0.3%
80.2%	58.5	58.4	-0.1	-0.2%
81.5%	58.4	58.2	-0.3	-0.4%
82.7%	58.3	58.2	-0.1	-0.2%
84.0%	58.1	58.0	0.0	0.0%
85.2%	58.0	58.0	0.0	0.0%
86.4%	58.0	58.0	0.0	0.0%
87.7%	57.9	58.0	0.1	0.1%
88.9%	57.8	57.7	-0.1	-0.2%
90.1%	57.8	57.7	-0.1	-0.2%
91.4%	57.8	57.7	-0.1	-0.2%
92.6%	57.7	57.6	-0.1	-0.3%
93.8%	57.7	57.5	-0.2	-0.3%
95.1%	57.7	57.5	-0.2	-0.3%
96.3%	57.4	57.5	0.1	0.1%
97.5%	57.4	57.4	0.1	0.1%
98.8%	57.3	57.3	0.1	0.1%
100.0%	57.3	57.0	-0.3	-0.4%

August to September				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	72.3	72.2	-0.1	-0.1%
1.2%	71.8	69.7	-2.1	-2.9%
2.5%	71.0	69.4	-1.6	-2.3%
3.7%	69.5	68.0	-1.5	-2.1%
4.9%	67.2	65.0	-2.2	-3.3%
6.2%	66.3	63.5	-2.8	-4.2%
7.4%	65.5	63.3	-2.2	-3.4%
8.6%	64.9	63.2	-1.7	-2.6%
9.9%	64.5	63.2	-1.3	-2.0%
11.1%	64.1	62.9	-1.2	-1.8%
12.3%	64.0	62.8	-1.2	-1.9%
13.6%	63.8	62.7	-1.1	-1.7%
14.8%	63.7	62.4	-1.3	-2.0%
16.0%	63.6	62.0	-1.6	-2.5%
17.3%	63.5	62.0	-1.5	-2.4%
18.5%	63.2	61.9	-1.3	-2.1%
19.8%	63.2	61.8	-1.4	-2.2%
21.0%	62.9	61.7	-1.2	-2.0%
22.2%	62.8	61.6	-1.2	-1.8%
23.5%	62.8	61.4	-1.3	-2.1%
24.7%	62.6	61.4	-1.2	-1.9%
25.9%	62.5	61.4	-1.1	-1.8%
27.2%	62.5	61.1	-1.3	-2.1%
28.4%	62.3	61.1	-1.2	-1.9%
29.6%	62.2	61.1	-1.1	-1.8%
30.9%	62.1	61.1	-1.1	-1.7%
32.1%	62.1	61.1	-1.0	-1.6%
33.3%	62.0	61.0	-1.0	-1.6%
34.6%	61.9	61.0	-0.9	-1.4%
35.8%	61.9	61.0	-0.9	-1.4%
37.0%	61.8	60.9	-0.9	-1.5%
38.3%	61.7	60.7	-1.0	-1.7%
39.5%	61.7	60.7	-1.0	-1.6%
40.7%	61.6	60.6	-0.9	-1.5%
42.0%	61.4	60.6	-0.8	-1.3%
43.2%	61.3	60.6	-0.8	-1.2%
44.4%	61.1	60.5	-0.6	-1.0%
45.7%	61.0	60.5	-0.5	-0.9%
46.9%	60.8	60.4	-0.4	-0.6%
48.1%	60.8	60.3	-0.5	-0.7%
49.4%	60.7	60.3	-0.4	-0.7%
50.6%	60.6	60.3	-0.3	-0.5%
51.9%	60.5	60.3	-0.3	-0.5%
53.1%	60.4	60.2	-0.1	-0.2%
54.3%	60.4	60.2	-0.2	-0.3%
55.6%	60.3	60.0	-0.3	-0.5%
56.8%	60.2	60.0	-0.3	-0.4%
58.0%	60.1	59.9	-0.2	-0.4%
59.3%	60.1	59.9	-0.2	-0.3%
60.5%	60.0	59.9	-0.2	-0.3%
61.7%	60.0	59.9	-0.2	-0.3%
63.0%	59.9	59.8	-0.1	-0.2%
64.2%	59.8	59.8	0.0	0.0%
65.4%	59.6	59.7	0.1	0.1%
66.7%	59.6	59.4	-0.3	-0.4%
67.9%	59.6	59.3	-0.3	-0.5%
69.1%	59.6	59.3	-0.3	-0.5%
70.4%	59.5	59.2	-0.3	-0.4%
71.6%	59.5	59.1	-0.4	-0.6%
72.8%	59.4	59.1	-0.3	-0.5%
74.1%	59.4	58.9	-0.5	-0.8%
75.3%	59.1	58.9	-0.2	-0.4%
76.5%	58.9	58.8	-0.1	-0.1%
77.8%	58.8	58.7	-0.1	-0.1%
79.0%	58.7	58.6	-0.2	-0.3%
80.2%	58.6	58.5	-0.1	-0.2%
81.5%	58.6	58.5	-0.1	-0.2%
82.7%	58.6	58.3	-0.3	-0.5%
84.0%	58.5	58.3	-0.2	-0.4%
85.2%	58.4	58.3	-0.2	-0.3%
86.4%	58.1	58.2	0.1	0.1%
87.7%	58.1	58.0	0.0	-0.1%
88.9%	57.9	57.9	0.0	0.0%
90.1%	57.9	57.7	-0.2	-0.4%
91.4%	57.8	57.7	-0.1	-0.3%
92.6%	57.8	57.5	-0.3	-0.4%
93.8%	57.8	57.4	-0.3	-0.6%
95.1%	57.7	57.4	-0.3	-0.4%
96.3%	57.6	57.3	-0.3	-0.5%
97.5%	57.5	57.2	-0.3	-0.6%
98.8%	57.2	57.1	-0.1	-0.2%
100.0%	56.9	56.2	-0.7	-1.2%

Figure SQ8-1b
Sacramento River below Red Bluff, Monthly Temperature
Probability of Exceedance

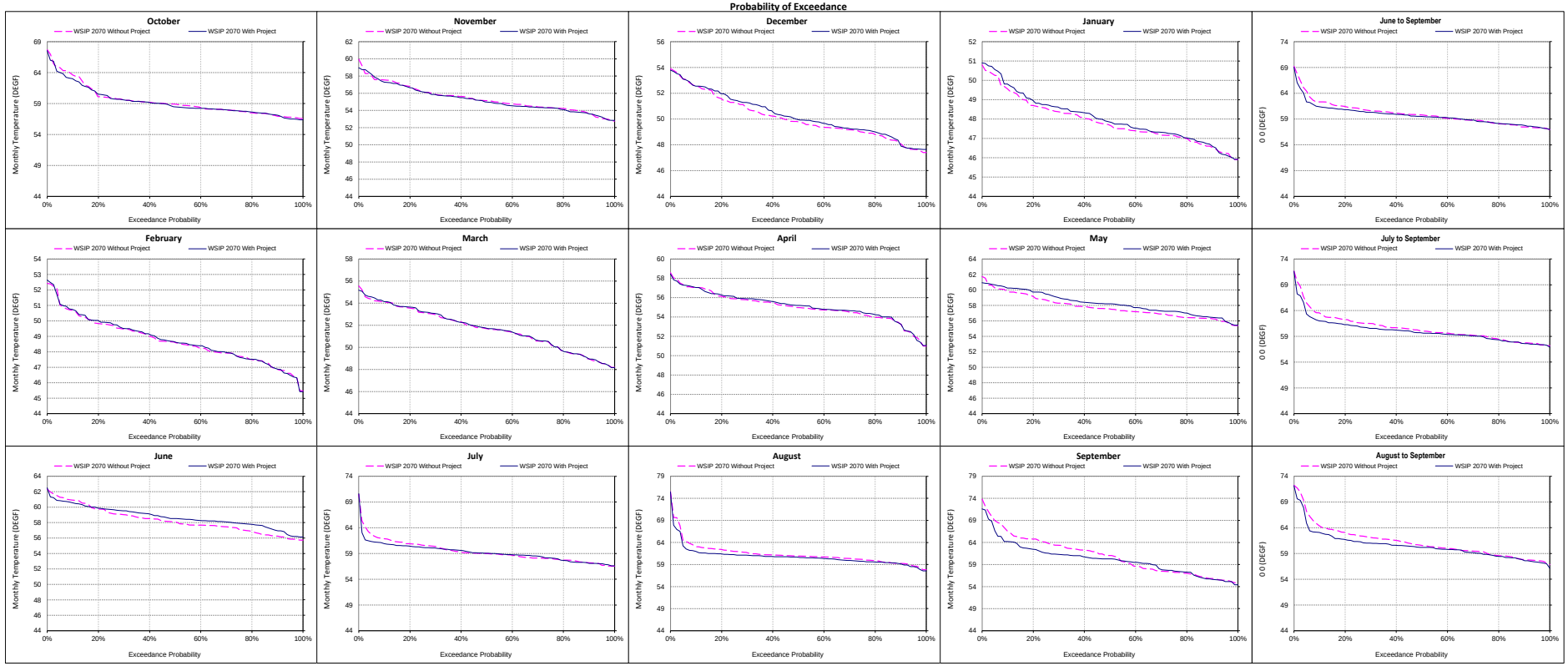


Table SQ8-1b

Sacramento River below Red Bluff, Monthly Temperature

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.7	67.5	-0.2	-0.2%
1.2%	66.9	66.0	-1.0	-1.4%
2.5%	65.4	65.8	0.4	0.7%
3.7%	64.9	64.2	-0.7	-1.0%
4.9%	64.8	64.0	-0.8	-1.3%
6.2%	64.3	63.8	-0.5	-0.8%
7.4%	64.3	63.2	-1.1	-1.7%
8.6%	64.0	63.1	-0.9	-1.5%
9.9%	63.6	63.0	-0.6	-0.9%
11.1%	63.4	62.7	-0.7	-1.2%
12.3%	63.4	62.5	-0.9	-1.4%
13.6%	62.7	62.0	-0.7	-1.1%
14.8%	61.9	61.8	-0.2	-0.3%
16.0%	61.8	61.7	-0.1	-0.2%
17.3%	61.4	61.2	-0.2	-0.3%
18.5%	61.0	61.0	0.0	0.0%
19.8%	60.1	60.5	0.4	0.6%
21.0%	60.1	60.5	0.4	0.6%
22.2%	60.0	60.4	0.4	0.6%
23.5%	60.0	60.3	0.3	0.5%
24.7%	60.0	59.8	-0.1	-0.2%
25.9%	59.9	59.8	-0.2	-0.3%
27.2%	59.8	59.7	0.0	-0.1%
28.4%	59.7	59.7	-0.1	-0.1%
29.6%	59.6	59.6	0.0	-0.1%
30.9%	59.5	59.5	0.0	0.0%
32.1%	59.5	59.5	0.0	0.0%
33.3%	59.4	59.4	-0.1	-0.1%
34.6%	59.4	59.3	0.0	-0.1%
35.8%	59.4	59.3	0.0	-0.1%
37.0%	59.3	59.3	0.0	0.0%
38.3%	59.3	59.3	0.0	0.0%
39.5%	59.3	59.2	0.0	0.0%
40.7%	59.2	59.1	-0.1	-0.1%
42.0%	59.1	59.1	0.0	0.0%
43.2%	59.1	59.0	0.0	-0.1%
44.4%	59.0	59.0	-0.1	-0.1%
45.7%	59.0	59.0	-0.1	-0.1%
46.9%	58.9	58.9	-0.1	-0.1%
48.1%	58.9	58.7	-0.3	-0.5%
49.4%	58.9	58.5	-0.4	-0.8%
50.6%	58.9	58.4	-0.4	-0.7%
51.9%	58.8	58.4	-0.3	-0.6%
53.1%	58.7	58.4	-0.4	-0.6%
54.3%	58.7	58.3	-0.4	-0.6%
55.6%	58.6	58.3	-0.4	-0.6%
56.8%	58.6	58.3	-0.3	-0.6%
58.0%	58.5	58.2	-0.3	-0.5%
59.3%	58.5	58.2	-0.2	-0.4%
60.5%	58.3	58.2	0.0	-0.1%
61.7%	58.1	58.2	0.1	0.2%
63.0%	58.1	58.1	0.0	0.1%
64.2%	58.1	58.1	0.0	0.1%
65.4%	58.1	58.1	0.0	0.0%
66.7%	58.1	58.1	0.0	0.0%
67.9%	58.1	58.0	0.0	-0.1%
69.1%	58.0	58.0	0.1	0.1%
70.4%	57.9	58.0	0.0	0.0%
71.6%	57.9	57.9	0.0	0.1%
72.8%	57.9	57.8	-0.1	-0.1%
74.1%	57.9	57.8	-0.1	-0.1%
75.3%	57.7	57.8	0.0	0.1%
76.5%	57.7	57.8	0.1	0.1%
77.8%	57.7	57.7	0.1	0.1%
79.0%	57.5	57.7	0.1	0.2%
80.2%	57.5	57.6	0.1	0.2%
81.5%	57.4	57.5	0.1	0.2%
82.7%	57.4	57.5	0.1	0.1%
84.0%	57.4	57.4	0.0	0.1%
85.2%	57.4	57.4	0.0	0.1%
86.4%	57.3	57.3	0.0	0.0%
87.7%	57.2	57.2	0.1	0.1%
88.9%	57.1	57.2	0.1	0.2%
90.1%	56.9	57.1	0.2	0.3%
91.4%	56.9	56.9	0.0	0.0%
92.6%	56.9	56.7	-0.2	-0.3%
93.8%	56.8	56.6	-0.2	-0.4%
95.1%	56.8	56.5	-0.3	-0.5%
96.3%	56.8	56.5	-0.3	-0.5%
97.5%	56.7	56.5	-0.2	-0.4%
98.8%	56.6	56.4	-0.2	-0.3%
100.0%	56.6	56.4	0.0	-0.3%

November				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	59.9	59.0	-1.0	-1.7%
1.2%	59.2	58.8	-0.5	-0.8%
2.5%	58.3	58.7	0.4	0.8%
3.7%	58.3	58.5	0.2	0.4%
4.9%	58.1	58.2	0.2	0.3%
6.2%	57.6	57.9	0.3	0.5%
7.4%	57.6	57.7	0.1	0.2%
8.6%	57.6	57.4	-0.1	-0.3%
9.9%	57.5	57.3	-0.3	-0.5%
11.1%	57.5	57.3	-0.2	-0.4%
12.3%	57.5	57.2	-0.3	-0.5%
13.6%	57.4	57.1	-0.2	-0.4%
14.8%	57.2	57.1	-0.1	-0.1%
16.0%	57.2	57.0	-0.2	-0.4%
17.3%	56.9	56.9	0.0	0.0%
18.5%	56.9	56.8	-0.1	-0.1%
19.8%	56.8	56.7	-0.1	-0.2%
21.0%	56.5	56.6	0.1	0.1%
22.2%	56.5	56.4	-0.1	-0.3%
23.5%	56.3	56.3	-0.1	-0.1%
24.7%	56.2	56.2	0.0	0.0%
25.9%	56.1	56.1	0.0	0.0%
27.2%	56.1	56.1	0.0	0.0%
28.4%	56.0	55.9	-0.2	-0.3%
29.6%	55.9	55.9	0.0	-0.1%
30.9%	55.8	55.8	0.0	-0.1%
32.1%	55.8	55.7	0.0	-0.1%
33.3%	55.8	55.7	0.0	-0.1%
34.6%	55.7	55.7	-0.1	-0.1%
35.8%	55.7	55.7	-0.1	-0.1%
37.0%	55.7	55.6	-0.1	-0.2%
38.3%	55.7	55.6	-0.1	-0.2%
39.5%	55.6	55.5	-0.1	-0.2%
40.7%	55.6	55.5	-0.1	-0.2%
42.0%	55.6	55.4	-0.2	-0.4%
43.2%	55.4	55.4	-0.1	-0.1%
44.4%	55.4	55.4	0.0	0.0%
45.7%	55.2	55.2	0.0	0.0%
46.9%	55.2	55.2	0.0	0.0%
48.1%	55.2	55.1	0.0	0.0%
49.4%	55.1	55.0	-0.1	-0.3%
50.6%	55.1	55.0	-0.2	-0.3%
51.9%	55.1	54.9	-0.2	-0.3%
53.1%	55.0	54.8	-0.2	-0.3%
54.3%	55.0	54.8	-0.2	-0.3%
55.6%	54.9	54.8	-0.1	-0.2%
56.8%	54.9	54.7	-0.2	-0.3%
58.0%	54.8	54.6	-0.2	-0.4%
59.3%	54.8	54.6	-0.2	-0.4%
60.5%	54.8	54.5	-0.2	-0.4%
61.7%	54.7	54.5	-0.2	-0.4%
63.0%	54.7	54.5	-0.2	-0.4%
64.2%	54.7	54.5	-0.2	-0.4%
65.4%	54.5	54.5	-0.1	-0.1%
66.7%	54.5	54.4	-0.1	-0.2%
67.9%	54.5	54.4	-0.1	-0.1%
69.1%	54.5	54.4	-0.1	-0.2%
70.4%	54.4	54.4	0.0	-0.1%
71.6%	54.4	54.3	-0.1	-0.1%
72.8%	54.4	54.3	0.0	-0.1%
74.1%	54.3	54.3	0.0	-0.1%
75.3%	54.3	54.3	0.0	0.0%
76.5%	54.3	54.3	0.0	0.0%
77.8%	54.3	54.2	0.0	0.0%
79.0%	54.2	54.1	-0.1	-0.3%
80.2%	54.2	54.1	-0.1	-0.3%
81.5%	54.2	54.0	-0.2	-0.4%
82.7%	54.1	53.8	-0.2	-0.4%
84.0%	54.1	53.8	-0.2	-0.4%
85.2%	54.0	53.8	-0.2	-0.4%
86.4%	53.9	53.8	-0.2	-0.3%
87.7%	53.9	53.8	-0.1	-0.3%
88.9%	53.8	53.7	-0.1	-0.1%
90.1%	53.6	53.6	0.0	0.0%
91.4%	53.5	53.6	0.0	0.1%
92.6%	53.2	53.4	0.2	0.4%
93.8%	53.2	53.4	0.2	0.3%
95.1%	53.1	53.2	0.2	0.3%
96.3%	53.0	53.0	0.0	0.0%
97.5%	53.0	52.9	-0.1	-0.2%
98.8%	52.8	52.8	0.1	0.1%
100.0%	52.8	52.8	0.1	0.1%

December				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.9	53.8	-0.1	-0.2%
1.2%	53.8	53.7	-0.1	-0.1%
2.5%	53.6	53.5	-0.1	-0.2%
3.7%	53.3	53.4	0.1	0.2%
4.9%	53.1	53.1	0.0	0.0%
6.2%	53.1	53.0	-0.1	-0.1%
7.4%	52.8	52.9	0.1	0.2%
8.6%	52.7	52.6	0.0	-0.1%
9.9%	52.5	52.6	0.0	0.1%
11.1%	52.5	52.5	0.0	0.1%
12.3%	52.3	52.5	0.2	0.4%
13.6%	52.3	52.5	0.2	0.4%
14.8%	52.3	52.3	0.1	0.1%
16.0%	52.2	52.3	0.1	0.2%
17.3%	51.8	52.2	0.4	0.8%
18.5%	51.7	52.2	0.5	1.0%
19.8%	51.6	52.0	0.4	0.7%
21.0%	51.4	51.9	0.5	1.0%
22.2%	51.4	51.8	0.4	0.8%
23.5%	51.3	51.5	0.2	0.5%
24.7%	51.3	51.5	0.2	0.4%
25.9%	51.2	51.4	0.2	0.4%
27.2%	51.1	51.3	0.2	0.4%
28.4%	51.1	51.3	0.2	0.3%
29.6%	50.9	51.3	0.4	0.8%
30.9%	50.7	51.2	0.5	1.1%
32.1%	50.7	51.1	0.5	1.0%
33.3%	50.6	51.1	0.5	1.0%
34.6%	50.5	51.1	0.5	1.1%
35.8%	50.4	51.0	0.6	1.2%
37.0%	50.3	51.0	0.6	1.3%
38.3%	50.3	50.7	0.4	0.8%
39.5%	50.2	50.7	0.4	0.8%
40.7%	50.2	50.4	0.2	0.4%
42.0%	50.1	50.3	0.2	0.4%
43.2%	50.1	50.3	0.2	0.4%
44.4%	50.0	50.2	0.2	0.5%
45.7%	49.9	50.2	0.3	0.6%
46.9%	49.8	50.2	0.3	0.7%
48.1%	49.8	50.1	0.3	0.5%
49.4%	49.8	50.0	0.2	0.4%
50.6%	49.7	49.9	0.2	0.4%
51.9%	49.7	49.9	0.2	0.4%
53.1%	49.6	49.9	0.3	0.7%
54.3%	49.6	49.9	0.3	0.6%
55.6%	49.5	49.8	0.3	0.6%
56.8%	49.5	49.8	0.3	0.6%
58.0%	49.4	49.8	0.4	0.8%
59.3%	49.4	49.7	0.3	0.7%
60.5%	49.4	49.6	0.3	0.6%
61.7%	49.3	49.6	0.2	0.5%
63.0%	49.3	49.6	0.3	0.5%
64.2%	49.3	49.4	0.1	0.2%
65.4%	49.3	49.4	0.1	0.2%
66.7%	49.3	49.4	0.1	0.2%
67.9%	49.2	49.3	0.1	0.2%
69.1%	49.2	49.3	0.1	0.2%
70.4%	49.2	49.2	0.1	0.1%
71.6%	49.1	49.2	0.1	0.2%
72.8%	49.1	49.2	0.1	0.2%
74.1%	49.0	49.2	0.2	0.4%
75.3%	49.0	49.2	0.2	0.4%
76.5%	48.9	49.1	0.2	0.5%
77.8%	48.9	49.1	0.2	0.4%
79.0%	48.9	49.0	0.1	0.3%
80.2%	48.8	49.0	0.2	0.5%
81.5%	48.7	48.9	0.2	0.4%
82.7%	48.7	48.8	0.1	0.3%
84.0%	48.5	48.8	0.3	0.6%
85.2%	48.4	48.7	0.3	0.6%
86.4%	48.4	48.6	0.2	0.5%
87.7%	48.3	48.5	0.1	0.3%
88.9%	48.3	48.4	0.1	0.2%
90.1%	48.1	47.9	-0.2	-0.4%
91.4%	47.8	47.8	0.0	0.0%
92.6%	47.7	47.7	0.0	0.0%
93.8%	47.7	47.7	0.1	0.2%
95.1%	47.6	47.7	0.0	0.1%
96.3%	47.6	47.7	0.0	0.1%
97.5%	47.6	47.7	0.1	0.2%
98.8%	47.4	47.6	0.2	0.5%
100.0%	47.4	47.6	0.2	0.5%

January				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	50.8	50.9	0.1	0.2%
1.2%	50.5	50.9	0.4	0.7%
2.5%	50.5	50.8	0.3	0.6%
3.7%	50.4	50.7	0.4	0.7%
4.9%	50.3	50.6	0.3	0.6%
6.2%	50.2	50.5	0.2	0.5%
7.4%	49.7	50.3	0.6	1.2%
8.6%	49.7	49.8	0.1	0.2%
9.9%	49.6	49.8	0.2	0.5%
11.1%	49.4	49.7	0.3	0.6%
12.3%	49.4	49.6	0.2	0.5%
13.6%	49.3	49.4	0.1	0.2%
14.8%	49.1	49.4	0.3	0.5%
16.0%	49.0	49.3	0.3	0.7%
17.3%	49.0	49.1	0.1	0.2%
18.5%	48.7	49.1	0.4	0.7%
19.8%	48.7	49.0	0.3	0.5%
21.0%	48.7	48.8	0.2	0.3%
22.2%	48.6	48.8	0.2	0.4%
23.5%	48.6	48.7	0.1	0.3%
24.7%	48.6	48.7	0.2	0.4%
25.9%	48.5	48.7	0.2	0.5%
27.2%	48.5	48.7	0.2	0.4%
28.4%	48.4	48.6	0.2	0.5%
29.6%	48.4	48.6	0.2	0.5%
30.9%	48.4	48.5	0.2	0.4%
32.1%	48.3	48.5	0.2	0.5%
33.3%	48.3	48.5	0.2	0.5%
34.6%	48.3	48.4	0.1	0.3%
35.8%	48.2	48.4	0.1	0.3%
37.0%	48.2	48.4	0.2	0.3%
38.3%	48.1	48.4	0.3	0.5%
39.5%	48.1	48.3	0.3	0.5%
40.7%	48.0	48.3	0.3	0.6%
42.0%	48.0	48.3	0.3	0.6%
43.2%	47.9	48.2	0.3	0.6%
44.4%	47.8	48.0	0.2	0.4%
45.7%	47.8	48.0	0.2	0.4%
46.9%	47.8	48.0	0.2	0.5%
48.1%	47.7	47.9	0.2	0.3%
49.4%	47.7	47.9	0.1	0.3%
50.6%	47.6	47.8	0.2	0.4%
51.9%	47.5	47.7	0.2	0.5%
53.1%	47.5	47.7	0.2	0.5%
54.3%	47.5	47.7	0.2	0.5%
55.6%	47.5	47.7	0.2	0.5%
56.8%	47.5	47.7	0.3	0.5%
58.0%	47.4	47.6	0.2	0.4%
59.3%	47.4	47.5	0.1	0.3%
60.5%	47.4	47.5	0.1	0.3%
61.7%	47.3	47.5	0.1	0.3%
63.0%	47.3	47.5	0.1	0.3%
64.2%	47.3	47.5	0.1	0.3%
65.4%	47.3	47.4	0.1	0.1%
66.7%	47.3	47.3	0.0	0.0%
67.9%	47.2	47.3	0.1	0.2%
69.1%	47.2	47.3	0.1	0.2%
70.4%	47.2	47.3	0.1	0.3%
71.6%	47.2	47.3	0.1	0.3%
72.8%	47.2	47.3	0.1	0.2%
74.1%	47.1	47.2	0.1	0.2%
75.3%	47.1	47.2	0.1	0.2%
76.5%	47.1	47.2	0.1	0.3%
77.8%	47.1	47.1	0.1	0.1%
79.0%	47.0	47.0	0.0	0.0%
80.2%	47.0	47.0	0.0	0.1%
81.5%	46.8	47.0	0.1	0.3%
82.7%	46.8	46.9	0.1	0.3%
84.0%	46.8	46.9	0.1	0.1%
85.2%	46.7	46.8	0.1	0.3%
86.4%	46.7	46.8	0.1	0.2%
87.7%	46.6	46.7	0.1	0.3%
88.9%	46.6	46.7	0.1	0.2%
90.1%	46.5	46.6	0.1	0.1%
91.4%	46.4	46.5	0.1	0.1%
92.6%	46.3	46.3	-0.1	-0.1%
93.8%	46.3	46.2	-0.1	-0.2%
95.1%	46.2	46.2	-0.1	-0.2%
96.3%	46.2	46.1	-0.1	-0.3%
97.5%	46.0	46.0	0.1	0.2%
98.8%	45.9	45.9	0.0	0.0%
100.0%	45.9	45.9	0.0	0.0%

Table SQ8-1b

Sacramento River below Red Bluff, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.4	52.6	0.2	0.4%
1.2%	52.4	52.5	0.1	0.2%
2.5%	52.2	52.3	0.1	0.2%
3.7%	52.1	51.7	-0.4	-0.8%
4.9%	51.0	51.1	0.1	0.1%
6.2%	50.9	51.0	0.1	0.2%
7.4%	50.8	50.9	0.2	0.3%
8.6%	50.7	50.8	0.1	0.1%
9.9%	50.7	50.7	0.1	0.1%
11.1%	50.6	50.7	0.1	0.1%
12.3%	50.3	50.4	0.1	0.2%
13.6%	50.3	50.4	0.1	0.2%
14.8%	50.2	50.4	0.1	0.3%
16.0%	50.1	50.1	0.0	0.0%
17.3%	50.0	50.1	0.0	0.0%
18.5%	49.9	50.0	0.2	0.3%
19.8%	49.8	50.0	0.2	0.4%
21.0%	49.8	49.9	0.1	0.2%
22.2%	49.8	49.9	0.1	0.3%
23.5%	49.8	49.9	0.1	0.2%
24.7%	49.7	49.9	0.2	0.3%
25.9%	49.7	49.8	0.1	0.1%
27.2%	49.5	49.7	0.2	0.4%
28.4%	49.5	49.6	0.1	0.2%
29.6%	49.5	49.5	0.0	0.1%
30.9%	49.5	49.5	0.0	0.1%
32.1%	49.4	49.5	0.0	0.1%
33.3%	49.3	49.4	0.1	0.2%
34.6%	49.3	49.4	0.0	0.1%
35.8%	49.3	49.3	0.1	0.1%
37.0%	49.2	49.3	0.1	0.2%
38.3%	49.2	49.2	0.0	0.0%
39.5%	49.0	49.2	0.1	0.3%
40.7%	49.0	49.1	0.1	0.2%
42.0%	48.9	49.0	0.1	0.3%
43.2%	48.7	48.9	0.2	0.3%
44.4%	48.7	48.8	0.1	0.2%
45.7%	48.7	48.8	0.1	0.2%
46.9%	48.7	48.7	0.1	0.1%
48.1%	48.7	48.7	0.0	0.1%
49.4%	48.6	48.7	0.0	0.1%
50.6%	48.6	48.6	0.0	0.0%
51.9%	48.5	48.6	0.0	0.1%
53.1%	48.5	48.6	0.1	0.2%
54.3%	48.5	48.5	0.1	0.2%
55.6%	48.4	48.5	0.1	0.1%
56.8%	48.4	48.4	0.1	0.2%
58.0%	48.4	48.4	0.0	0.1%
59.3%	48.3	48.4	0.1	0.3%
60.5%	48.2	48.4	0.2	0.3%
61.7%	48.2	48.3	0.1	0.2%
63.0%	48.1	48.2	0.2	0.3%
64.2%	48.0	48.1	0.1	0.2%
65.4%	48.0	48.1	0.1	0.2%
66.7%	48.0	48.0	0.0	0.1%
67.9%	47.9	48.0	0.1	0.2%
69.1%	47.9	48.0	0.1	0.1%
70.4%	47.9	47.9	0.0	0.1%
71.6%	47.9	47.9	0.0	0.0%
72.8%	47.9	47.9	-0.1	-0.1%
74.1%	47.7	47.7	0.0	0.0%
75.3%	47.7	47.6	-0.1	-0.2%
76.5%	47.7	47.6	-0.1	-0.2%
77.8%	47.7	47.5	-0.1	-0.2%
79.0%	47.5	47.5	0.0	0.0%
80.2%	47.5	47.5	0.0	0.0%
81.5%	47.4	47.5	0.1	0.2%
82.7%	47.4	47.4	0.0	0.0%
84.0%	47.4	47.4	0.0	0.0%
85.2%	47.3	47.3	0.0	0.0%
86.4%	47.3	47.2	-0.1	-0.2%
87.7%	47.0	47.0	0.0	0.0%
88.9%	46.9	46.9	0.0	0.1%
90.1%	46.9	46.9	0.0	0.1%
91.4%	46.8	46.9	0.1	0.1%
92.6%	46.8	46.6	-0.2	-0.4%
93.8%	46.6	46.6	0.0	-0.1%
95.1%	46.6	46.5	-0.1	-0.3%
96.3%	46.4	46.4	-0.1	-0.1%
97.5%	46.3	46.3	0.0	0.0%
98.8%	45.5	45.4	-0.1	-0.1%
100.0%	45.5	45.4	-0.1	-0.1%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.6	55.2	-0.4	-0.7%
1.2%	55.2	55.1	-0.2	-0.3%
2.5%	54.6	54.7	0.2	0.3%
3.7%	54.4	54.6	0.2	0.3%
4.9%	54.4	54.6	0.2	0.4%
6.2%	54.2	54.5	0.3	0.5%
7.4%	54.2	54.3	0.1	0.2%
8.6%	54.1	54.3	0.1	0.2%
9.9%	54.1	54.1	0.0	0.0%
11.1%	54.1	54.1	0.1	0.1%
12.3%	54.1	54.1	0.0	0.0%
13.6%	54.0	53.8	-0.2	-0.3%
14.8%	53.7	53.8	0.1	0.1%
16.0%	53.7	53.7	0.0	0.1%
17.3%	53.7	53.7	0.0	0.1%
18.5%	53.6	53.7	0.1	0.1%
19.8%	53.6	53.7	0.1	0.2%
21.0%	53.5	53.6	0.1	0.2%
22.2%	53.5	53.6	0.1	0.1%
23.5%	53.2	53.3	0.1	0.2%
24.7%	53.2	53.2	0.1	0.1%
25.9%	53.1	53.2	0.1	0.1%
27.2%	53.1	53.2	0.1	0.2%
28.4%	53.0	53.1	0.0	0.1%
29.6%	53.0	53.1	0.1	0.2%
30.9%	52.9	53.0	0.1	0.2%
32.1%	52.7	52.9	0.2	0.5%
33.3%	52.7	52.7	0.0	0.0%
34.6%	52.6	52.6	-0.1	-0.1%
35.8%	52.5	52.5	0.0	0.0%
37.0%	52.4	52.5	0.0	0.1%
38.3%	52.4	52.3	0.0	-0.1%
39.5%	52.4	52.3	-0.1	-0.2%
40.7%	52.2	52.2	0.0	0.0%
42.0%	52.0	52.2	0.2	0.3%
43.2%	52.0	52.1	0.1	0.1%
44.4%	52.0	52.0	0.0	0.0%
45.7%	51.8	51.9	0.1	0.2%
46.9%	51.8	51.9	0.1	0.2%
48.1%	51.8	51.8	0.0	0.1%
49.4%	51.7	51.8	0.1	0.1%
50.6%	51.7	51.7	0.0	0.1%
51.9%	51.6	51.7	0.1	0.2%
53.1%	51.6	51.7	0.0	0.1%
54.3%	51.6	51.6	0.0	0.0%
55.6%	51.6	51.6	0.0	0.0%
56.8%	51.5	51.5	0.0	0.0%
58.0%	51.4	51.5	0.1	0.1%
59.3%	51.4	51.4	0.0	0.1%
60.5%	51.2	51.3	0.1	0.2%
61.7%	51.2	51.2	0.0	0.0%
63.0%	51.2	51.1	-0.1	-0.3%
64.2%	51.1	51.1	0.0	0.0%
65.4%	51.0	51.0	0.0	0.1%
66.7%	51.0	51.0	0.0	0.1%
67.9%	50.8	50.9	0.1	0.2%
69.1%	50.6	50.7	0.1	0.2%
70.4%	50.6	50.6	0.0	0.0%
71.6%	50.5	50.6	0.0	0.1%
72.8%	50.5	50.6	0.1	0.1%
74.1%	50.5	50.5	0.0	0.1%
75.3%	50.2	50.3	0.1	0.1%
76.5%	50.1	50.0	-0.1	-0.1%
77.8%	50.0	50.0	0.0	0.0%
79.0%	49.7	49.8	0.0	0.0%
80.2%	49.6	49.6	0.0	-0.1%
81.5%	49.6	49.6	0.0	0.0%
82.7%	49.5	49.5	0.1	0.1%
84.0%	49.4	49.4	0.0	0.0%
85.2%	49.4	49.4	0.0	0.1%
86.4%	49.4	49.4	0.0	0.0%
87.7%	49.3	49.2	0.0	-0.1%
88.9%	49.0	49.1	0.1	0.3%
90.1%	49.0	48.9	0.0	0.0%
91.4%	48.8	48.9	0.1	0.2%
92.6%	48.7	48.9	0.1	0.2%
93.8%	48.7	48.7	0.0	-0.1%
95.1%	48.5	48.6	0.0	0.0%
96.3%	48.5	48.5	0.0	-0.1%
97.5%	48.4	48.4	0.0	0.0%
98.8%	48.2	48.2	0.0	0.0%
100.0%	48.2	48.2	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.6	58.4	-0.1	-0.2%
1.2%	58.0	57.9	-0.2	-0.3%
2.5%	58.0	57.7	-0.3	-0.4%
3.7%	57.5	57.4	-0.1	-0.2%
4.9%	57.3	57.3	-0.1	-0.1%
6.2%	57.1	57.3	0.1	0.3%
7.4%	57.1	57.2	0.1	0.1%
8.6%	57.1	57.1	0.1	0.1%
9.9%	57.1	57.1	0.0	0.0%
11.1%	57.0	57.1	0.0	0.0%
12.3%	57.0	56.9	-0.2	-0.3%
13.6%	56.9	56.6	-0.3	-0.5%
14.8%	56.8	56.5	-0.3	-0.6%
16.0%	56.7	56.4	-0.3	-0.5%
17.3%	56.3	56.4	0.1	0.1%
18.5%	56.2	56.4	0.2	0.3%
19.8%	56.1	56.3	0.2	0.3%
21.0%	56.1	56.2	0.1	0.2%
22.2%	56.0	56.2	0.2	0.3%
23.5%	55.9	56.2	0.3	0.5%
24.7%	55.9	56.1	0.2	0.4%
25.9%	55.9	55.9	0.1	0.1%
27.2%	55.8	55.9	0.1	0.2%
28.4%	55.8	55.9	0.1	0.2%
29.6%	55.8	55.9	0.1	0.2%
30.9%	55.7	55.9	0.2	0.3%
32.1%	55.7	55.9	0.2	0.3%
33.3%	55.7	55.8	0.2	0.3%
34.6%	55.6	55.8	0.2	0.4%
35.8%	55.5	55.8	0.2	0.4%
37.0%	55.5	55.7	0.2	0.3%
38.3%	55.5	55.7	0.1	0.2%
39.5%	55.5	55.6	0.1	0.3%
40.7%	55.4	55.6	0.1	0.2%
42.0%	55.3	55.5	0.2	0.4%
43.2%	55.2	55.4	0.2	0.3%
44.4%	55.2	55.4	0.2	0.3%
45.7%	55.1	55.3	0.2	0.3%
46.9%	55.1	55.2	0.1	0.3%
48.1%	55.1	55.2	0.1	0.3%
49.4%	55.0	55.2	0.2	0.4%
50.6%	55.0	55.2	0.2	0.4%
51.9%	54.9	55.2	0.2	0.4%
53.1%	54.9	55.2	0.2	0.4%
54.3%	54.9	55.1	0.3	0.5%
55.6%	54.8	54.9	0.1	0.2%
56.8%	54.8	54.9	0.1	0.2%
58.0%	54.8	54.9	0.1	0.2%
59.3%	54.7	54.8	0.1	0.1%
60.5%	54.7	54.8	0.1	0.1%
61.7%	54.7	54.8	0.1	0.1%
63.0%	54.7	54.8	0.0	0.1%
64.2%	54.7	54.7	0.1	0.1%
65.4%	54.7	54.7	0.0	0.1%
66.7%	54.6	54.7	0.0	0.1%
67.9%	54.6	54.7	0.1	0.1%
69.1%	54.6	54.7	0.1	0.2%
70.4%	54.5	54.7	0.2	0.4%
71.6%	54.4	54.6	0.2	0.4%
72.8%	54.4	54.6	0.2	0.3%
74.1%	54.3	54.6	0.2	0.4%
75.3%	54.2	54.4	0.3	0.5%
76.5%	54.2	54.4	0.2	0.3%
77.8%	54.1	54.4	0.3	0.5%
79.0%	54.0	54.3	0.3	0.6%
80.2%	54.0	54.2	0.3	0.5%
81.5%	54.0	54.2	0.2	0.5%
82.7%	53.9	54.0	0.1	0.2%
84.0%	53.9	54.0	0.1	0.2%
85.2%	53.9	54.0	0.1	0.2%
86.4%	53.8	54.0	0.2	0.3%
87.7%	53.5	53.6	0.0	0.0%
88.9%	53.5	53.4	0.0	-0.1%
90.1%	53.2	53.2	0.0	0.0%
91.4%	52.6	52.7	0.1	0.2%
92.6%	52.5	52.5	0.0	0.0%
93.8%	52.4	52.5	0.1	0.2%
95.1%	52.0	52.2	0.2	0.4%
96.3%	51.9	51.6	-0.3	-0.6%
97.5%	51.6	51.4	-0.1	-0.3%
98.8%	51.0	51.1	0.1	0.1%
100.0%	51.0	51.1	0.1	0.1%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.7	60.9	-0.8	-1.3%
1.2%	61.5	60.8	-0.7	-1.1%
2.5%	60.6	60.8	0.2	0.4%
3.7%	60.6	60.7	0.1	0.1%
4.9%	60.3	60.7	0.4	0.7%
6.2%	60.1	60.6	0.4	0.7%
7.4%	60.1	60.5	0.4	0.7%
8.6%	60.1	60.4	0.4	0.6%
9.9%	59.8	60.3	0.5	0.8%
11.1%	59.7	60.2	0.5	0.8%
12.3%	59.7	60.2	0.5	0.8%
13.6%	59.6	60.2	0.6	1.0%
14.8%	59.6	60.1	0.5	0.9%
16.0%	59.5	60.1	0.6	0.9%
17.3%	59.5	60.1	0.6	1.0%
18.5%	59.3	60.0	0.7	1.2%
19.8%	59.2	59.7	0.5	0.9%
21.0%	58.9	59.7	0.8	1.4%
22.2%	58.8	59.7	0.9	1.5%
23.5%	58.8	59.7	0.9	1.5%
24.7%	58.7	59.5	0.7	1.3%
25.9%	58.6	59.4	0.8	1.4%
27.2%	58.5	59.3	0.8	1.3%
28.4%	58.3	59.2	0.8	1.4%
29.6%	58.3	59.0	0.8	1.3%
30.9%	58.3	58.9	0.6	1.0%
32.1%	58.3	58.8	0.5	0.9%
33.3%	58.2	58.8	0.6	1.0%
34.6%	58.2	58.6	0.5	0.8%
35.8%	57.9	58.6	0.7	1.2%
37.0%	57.9	58.6	0.7	1.2%
38.3%	57.9	58.5	0.6	1.0%
39.5%	57.8	58.4	0.6	1.0%
40.7%	57.8	58.4	0.5	0.9%
42.0%	57.7	58.3	0.6	1.1%
43.2%	57.7	58.3	0.6	1.1%
44.4%	57.6	58.3	0.6	1.1%
45.7%	57.6	58.3	0.6	1.1%
46.9%	57.6	58.2	0.6	1.1%
48.1%	57.6	58.2	0.6	1.1%
49.4%	57.6	58.2	0.6	1.1%
50.6%	57.5	58.2	0.7	1.2%
51.9%	57.5	58.2	0.7	1.2%
53.1%	57.4	58.1	0.7	1.3%
54.3%	57.3	58.0	0.7	1.3%
55.6%	57.3	58.0	0.7	1.3%
56.8%	57.2	58.0	0.7	1.3%
58.0%	57.2	57.9	0.7	1.2%
59.3%	57.2	57.7	0.5	0.9%
60.5%	57.2	57.7	0.5	0.9%
61.7%	57.1	57.7	0.6	1.0%
63.0%	57.1	57.6	0.5	0.9%
64.2%	57.1	57.5	0.5	0.8%
65.4%	57.1	57.4	0.3	0.6%
66.7%	57.0	57.4	0.3	0.6%
67.9%	57.0	57.4	0.4	0.7%
69.1%	56.9	57.3	0.4	0.7%
70.4%	56.9	57.3	0.4	0.7%
71.6%	56.9	57.2	0.4	0.7%
72.8%	56.7	57.2	0.5	0.9%
74.1%	56.7	57.2	0.5	0.9%
75.3%	56.7	57.2	0.5	0.9%
76.5%	56.5	57.2	0.7	1.2%
77.8%	56.5	57.1	0.6	1.1%
79.0%	56.4	57.0	0.6	1.1%
80.2%	56.4	57.0	0.6	1.0%
81.5%	56.4	56.8	0.4	0.7%
82.7%	56.4	56.7	0.3	0.6%
84.0%	56.4	56.7	0.3	0.5%
85.2%	56.4	56.6	0.3	0.5%
86.4%	56.3	56.6	0.2	0.4%
87.7%	56.3	56.5	0.2	0.4%
88.9%	56.3	56.5	0.2	0.3%
90.1%	56.3	56.4	0.2	0.3%
91.4%	56.2	56.4	0.2	0.3%
92.6%	56.0	56.4	0.4	0.8%
93.8%	55.9	56.4	0.4	0.8%
95.1%	55.9	55.9	0.0	0.0%
96.3%	55.7	55.8	0.0	0.1%
97.5%	55.5	55.6	0.1	0.2%
98.8%	55.4	55.4	0.0	0.1%
100.0%	55.4	55.4	0.0	0.1%

Table SQ8-1b

Sacramento River below Red Bluff, Monthly Temperature

Probability of Exceedance

June				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	62.3	62.5	0.2	0.3%
1.2%	62.0	61.3	-0.6	-1.0%
2.5%	61.7	61.2	-0.5	-0.8%
3.7%	61.5	60.9	-0.6	-1.0%
4.9%	61.3	60.8	-0.4	-0.7%
6.2%	61.2	60.8	-0.4	-0.7%
7.4%	61.0	60.7	-0.3	-0.5%
8.6%	61.0	60.7	-0.3	-0.5%
9.9%	60.9	60.6	-0.3	-0.6%
11.1%	60.9	60.5	-0.4	-0.7%
12.3%	60.8	60.4	-0.4	-0.6%
13.6%	60.5	60.3	-0.2	-0.3%
14.8%	60.5	60.2	-0.3	-0.6%
16.0%	60.4	60.1	-0.3	-0.4%
17.3%	59.9	60.0	0.1	0.2%
18.5%	59.8	60.0	0.2	0.3%
19.8%	59.8	59.9	0.1	0.2%
21.0%	59.7	59.9	0.1	0.2%
22.2%	59.7	59.8	0.0	0.1%
23.5%	59.3	59.7	0.4	0.7%
24.7%	59.2	59.7	0.5	0.8%
25.9%	59.1	59.7	0.5	0.9%
27.2%	59.1	59.6	0.5	0.8%
28.4%	59.1	59.6	0.5	0.8%
29.6%	59.0	59.5	0.5	0.9%
30.9%	59.0	59.5	0.5	0.9%
32.1%	58.9	59.4	0.5	0.9%
33.3%	58.9	59.4	0.5	0.9%
34.6%	58.7	59.3	0.6	1.0%
35.8%	58.7	59.2	0.6	1.0%
37.0%	58.6	59.2	0.6	1.1%
38.3%	58.5	59.2	0.7	1.1%
39.5%	58.5	59.1	0.6	1.1%
40.7%	58.5	59.0	0.5	0.9%
42.0%	58.5	58.9	0.4	0.8%
43.2%	58.5	58.9	0.4	0.8%
44.4%	58.3	58.8	0.5	0.9%
45.7%	58.2	58.7	0.6	1.0%
46.9%	58.2	58.6	0.5	0.8%
48.1%	58.1	58.5	0.4	0.7%
49.4%	58.1	58.5	0.4	0.7%
50.6%	58.1	58.5	0.5	0.8%
51.9%	57.8	58.5	0.7	1.1%
53.1%	57.8	58.5	0.6	1.1%
54.3%	57.8	58.4	0.6	1.0%
55.6%	57.7	58.4	0.7	1.3%
56.8%	57.7	58.4	0.7	1.2%
58.0%	57.7	58.3	0.6	1.1%
59.3%	57.7	58.3	0.6	1.1%
60.5%	57.7	58.3	0.6	1.0%
61.7%	57.6	58.3	0.6	1.1%
63.0%	57.6	58.2	0.6	1.0%
64.2%	57.6	58.2	0.6	1.0%
65.4%	57.6	58.2	0.6	1.0%
66.7%	57.5	58.2	0.6	1.1%
67.9%	57.5	58.2	0.7	1.1%
69.1%	57.5	58.1	0.6	1.1%
70.4%	57.5	58.1	0.6	1.1%
71.6%	57.4	58.0	0.7	1.2%
72.8%	57.4	58.0	0.6	1.1%
74.1%	57.3	57.9	0.6	1.1%
75.3%	57.1	57.9	0.8	1.5%
76.5%	57.0	57.9	0.8	1.5%
77.8%	57.0	57.8	0.9	1.5%
79.0%	56.9	57.8	0.9	1.5%
80.2%	56.8	57.8	0.9	1.6%
81.5%	56.7	57.7	1.0	1.8%
82.7%	56.6	57.7	1.1	1.9%
84.0%	56.5	57.6	1.2	2.1%
85.2%	56.4	57.5	1.1	1.9%
86.4%	56.4	57.3	0.9	1.6%
87.7%	56.3	57.2	0.9	1.5%
88.9%	56.3	57.0	0.8	1.4%
90.1%	56.3	56.9	0.7	1.2%
91.4%	56.1	56.9	0.8	1.4%
92.6%	56.1	56.8	0.7	1.3%
93.8%	55.9	56.5	0.5	1.0%
95.1%	55.9	56.3	0.4	0.8%
96.3%	55.8	56.2	0.4	0.7%
97.5%	55.8	56.2	0.4	0.7%
98.8%	55.7	56.1	0.4	0.7%
100.0%	55.7	56.1	0.4	0.7%

July				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	70.5	70.6	0.1	0.2%
1.2%	65.4	63.0	-2.3	-3.6%
2.5%	64.2	61.7	-2.5	-3.9%
3.7%	63.3	61.5	-1.8	-2.8%
4.9%	62.7	61.3	-1.4	-2.2%
6.2%	62.3	61.2	-1.1	-1.7%
7.4%	62.1	61.2	-0.9	-1.5%
8.6%	62.0	61.1	-0.8	-1.3%
9.9%	61.9	60.9	-1.0	-1.5%
11.1%	61.8	60.8	-1.0	-1.6%
12.3%	61.6	60.7	-0.9	-1.4%
13.6%	61.3	60.7	-0.6	-1.1%
14.8%	61.3	60.6	-0.7	-1.2%
16.0%	61.2	60.5	-0.7	-1.1%
17.3%	61.2	60.5	-0.7	-1.1%
18.5%	60.9	60.5	-0.4	-0.7%
19.8%	60.9	60.4	-0.5	-0.8%
21.0%	60.8	60.4	-0.5	-0.8%
22.2%	60.8	60.3	-0.5	-0.9%
23.5%	60.8	60.3	-0.5	-0.8%
24.7%	60.6	60.2	-0.4	-0.7%
25.9%	60.5	60.1	-0.4	-0.7%
27.2%	60.5	60.1	-0.4	-0.6%
28.4%	60.4	60.1	-0.3	-0.6%
29.6%	60.4	60.1	-0.3	-0.5%
30.9%	60.3	60.0	-0.3	-0.5%
32.1%	60.0	59.9	-0.1	-0.1%
33.3%	59.9	59.8	-0.1	-0.2%
34.6%	59.7	59.8	0.2	0.3%
35.8%	59.6	59.7	0.1	0.2%
37.0%	59.5	59.7	0.2	0.4%
38.3%	59.4	59.6	0.3	0.5%
39.5%	59.4	59.6	0.3	0.4%
40.7%	59.2	59.6	0.4	0.7%
42.0%	59.2	59.4	0.2	0.4%
43.2%	59.1	59.3	0.2	0.3%
44.4%	59.1	59.2	0.1	0.1%
45.7%	59.1	59.1	0.1	0.1%
46.9%	59.0	59.1	0.0	0.1%
48.1%	59.0	59.1	0.1	0.1%
49.4%	59.0	59.1	0.1	0.1%
50.6%	59.0	59.0	0.1	0.1%
51.9%	58.9	59.0	0.1	0.2%
53.1%	58.9	59.0	0.1	0.2%
54.3%	58.9	58.9	0.0	0.1%
55.6%	58.8	58.9	0.1	0.1%
56.8%	58.8	58.8	0.1	0.1%
58.0%	58.7	58.8	0.0	0.0%
59.3%	58.7	58.8	0.0	0.1%
60.5%	58.6	58.7	0.1	0.2%
61.7%	58.6	58.7	0.1	0.2%
63.0%	58.4	58.7	0.3	0.5%
64.2%	58.3	58.7	0.4	0.6%
65.4%	58.2	58.6	0.4	0.7%
66.7%	58.2	58.6	0.4	0.7%
67.9%	58.1	58.5	0.4	0.7%
69.1%	58.1	58.5	0.4	0.7%
70.4%	58.1	58.5	0.4	0.7%
71.6%	58.1	58.4	0.3	0.4%
72.8%	58.0	58.2	0.1	0.2%
74.1%	58.0	58.2	0.1	0.2%
75.3%	58.0	58.1	0.1	0.2%
76.5%	57.9	58.1	0.2	0.3%
77.8%	57.9	58.0	0.1	0.2%
79.0%	57.8	57.7	-0.1	-0.1%
80.2%	57.7	57.7	0.0	-0.1%
81.5%	57.7	57.6	-0.1	-0.2%
82.7%	57.7	57.4	-0.3	-0.5%
84.0%	57.6	57.3	-0.3	-0.5%
85.2%	57.5	57.3	-0.2	-0.4%
86.4%	57.4	57.3	-0.1	-0.2%
87.7%	57.3	57.3	-0.1	-0.1%
88.9%	57.3	57.2	0.0	-0.1%
90.1%	57.2	57.1	-0.1	-0.2%
91.4%	57.2	57.1	-0.1	-0.1%
92.6%	57.1	57.1	-0.1	-0.1%
93.8%	57.1	57.0	0.0	0.0%
95.1%	56.7	57.0	0.3	0.6%
96.3%	56.7	56.9	0.2	0.3%
97.5%	56.6	56.8	0.2	0.4%
98.8%	56.5	56.6	0.1	0.1%
100.0%	56.5	56.6	0.1	0.1%

August				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	75.5	75.5	0.0	0.0%
1.2%	69.7	67.9	-1.7	-2.5%
2.5%	69.6	67.0	-2.7	-3.8%
3.7%	67.9	66.5	-1.3	-2.0%
4.9%	64.4	63.2	-1.1	-1.8%
6.2%	64.2	62.5	-1.7	-2.7%
7.4%	63.8	62.2	-1.6	-2.5%
8.6%	63.5	62.1	-1.4	-2.1%
9.9%	63.0	62.0	-1.0	-1.6%
11.1%	63.0	61.7	-1.3	-2.1%
12.3%	62.8	61.6	-1.2	-1.9%
13.6%	62.8	61.6	-1.2	-1.9%
14.8%	62.7	61.5	-1.2	-1.9%
16.0%	62.6	61.5	-1.1	-1.8%
17.3%	62.5	61.5	-1.0	-1.7%
18.5%	62.5	61.4	-1.0	-1.6%
19.8%	62.4	61.4	-1.0	-1.6%
21.0%	62.3	61.3	-0.9	-1.5%
22.2%	62.2	61.3	-0.9	-1.5%
23.5%	62.1	61.3	-0.8	-1.3%
24.7%	62.0	61.2	-0.7	-1.2%
25.9%	62.0	61.1	-0.8	-1.3%
27.2%	61.9	61.1	-0.7	-1.2%
28.4%	61.8	61.1	-0.7	-1.1%
29.6%	61.8	61.1	-0.6	-1.0%
30.9%	61.5	61.1	-0.4	-0.7%
32.1%	61.4	61.0	-0.4	-0.7%
33.3%	61.4	61.0	-0.4	-0.7%
34.6%	61.3	61.0	-0.3	-0.5%
35.8%	61.3	61.0	-0.3	-0.4%
37.0%	61.2	60.8	-0.4	-0.6%
38.3%	61.2	60.8	-0.4	-0.6%
39.5%	61.2	60.8	-0.4	-0.6%
40.7%	61.1	60.8	-0.4	-0.6%
42.0%	61.1	60.8	-0.3	-0.6%
43.2%	61.1	60.8	-0.3	-0.6%
44.4%	61.0	60.7	-0.3	-0.5%
45.7%	61.0	60.7	-0.3	-0.4%
46.9%	61.0	60.7	-0.3	-0.5%
48.1%	61.0	60.7	-0.3	-0.4%
49.4%	61.0	60.7	-0.3	-0.4%
50.6%	60.9	60.6	-0.3	-0.5%
51.9%	60.9	60.6	-0.3	-0.5%
53.1%	60.9	60.6	-0.3	-0.5%
54.3%	60.9	60.5	-0.3	-0.5%
55.6%	60.8	60.5	-0.3	-0.5%
56.8%	60.8	60.5	-0.3	-0.5%
58.0%	60.8	60.4	-0.3	-0.5%
59.3%	60.7	60.4	-0.3	-0.5%
60.5%	60.7	60.3	-0.4	-0.6%
61.7%	60.7	60.3	-0.4	-0.6%
63.0%	60.7	60.3	-0.4	-0.6%
64.2%	60.6	60.2	-0.4	-0.7%
65.4%	60.6	60.1	-0.5	-0.8%
66.7%	60.4	60.1	-0.4	-0.6%
67.9%	60.4	60.0	-0.4	-0.7%
69.1%	60.4	59.9	-0.5	-0.8%
70.4%	60.4	59.9	-0.5	-0.8%
71.6%	60.3	59.9	-0.4	-0.6%
72.8%	60.2	59.8	-0.4	-0.7%
74.1%	60.2	59.8	-0.4	-0.7%
75.3%	60.2	59.7	-0.4	-0.7%
76.5%	60.0	59.6	-0.4	-0.6%
77.8%	60.0	59.6	-0.4	-0.6%
79.0%	59.9	59.6	-0.3	-0.6%
80.2%	59.9	59.6	-0.3	-0.6%
81.5%	59.8	59.6	-0.2	-0.4%
82.7%	59.6	59.6	0.0	0.0%
84.0%	59.5	59.5	-0.1	-0.1%
85.2%	59.5	59.4	-0.1	-0.2%
86.4%	59.4	59.4	0.0	0.0%
87.7%	59.3	59.4	0.1	0.1%
88.9%	59.3	59.3	0.0	0.0%
90.1%	59.2	59.1	-0.1	-0.2%
91.4%	59.2	58.9	-0.3	-0.5%
92.6%	59.1	58.9	-0.2	-0.4%
93.8%	58.9	58.5	-0.4	-0.6%
95.1%	58.7	58.5	-0.1	-0.2%
96.3%	58.6	58.3	-0.3	-0.5%
97.5%	58.2	57.9	-0.4	-0.6%
98.8%	57.8	57.6	-0.3	-0.4%
100.0%	57.8	57.6	-0.3	-0.4%

September				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	73.8	71.6	-2.2	-3.0%
1.2%	72.2	71.4	-0.8	-1.1%
2.5%	71.0	69.3	-1.7	-2.4%
3.7%	69.9	68.8	-1.1	-1.6%
4.9%	68.9	66.6	-2.3	-3.4%
6.2%	68.5	65.4	-3.1	-4.5%
7.4%	68.2	65.4	-2.8	-4.2%
8.6%	67.4	64.2	-3.1	-4.7%
9.9%	66.6	64.2	-2.4	-3.6%
11.1%	66.1	64.1	-2.0	-3.0%
12.3%	65.5	64.1	-1.4	-2.1%
13.6%	65.3	63.8	-1.5	-2.4%
14.8%	65.0	63.0	-2.0	-3.1%
16.0%	65.0	62.7	-2.3	-3.5%
17.3%	64.8	62.7	-2.2	-3.3%
18.5%	64.8	62.6	-2.2	-3.4%
19.8%	64.8	62.5	-2.3	-3.6%
21.0%	64.8	62.4	-2.4	-3.7%
22.2%	64.4	62.1	-2.4	-3.7%
23.5%	64.2	61.8	-2.4	-3.7%
24.7%	64.1	61.6	-2.5	-3.8%
25.9%	63.8	61.6	-2.2	-3.5%
27.2%	63.6	61.4	-2.2	-3.5%
28.4%	63.4	61.4	-2.0	-3.2%
29.6%	63.4	61.3	-2.0	-3.2%
30.9%	63.3	61.3	-2.1	-3.3%
32.1%	63.0	61.2	-1.8	-2.8%
33.3%	62.7	61.2	-1.5	-2.4%
34.6%	62.6	61.1	-1.6	-2.5%
35.8%	62.6	61.0	-1.5	-2.5%
37.0%	62.5	61.0	-1.5	-2.3%
38.3%	62.3	61.0	-1.3	-2.1%
39.5%	62.3	60.8	-1.5	-2.4%
40.7%	62.2	60.6	-1.6	-2.5%
42.0%	62.1	60.5	-1.6	-2.6%
43.2%	61.9	60.4	-1.5	-2.5%
44.4%	61.9	60.4	-1.5	-2.5%
45.7%	61.4	60.4	-1.0	-1.7%
46.9%	61.4	60.3	-1.1	-1.8%
48.1%	61.1	60.3	-0.8	-1.2%
49.4%	61.0	60.3	-0.7	-1.2%
50.6%	61.0	60.3	-0.8	-1.3%
51.9%	60.8	60.2	-0.6	-1.0%
53.1%	60.6	60.0	-0.6	-1.0%
54.3%	59.7	59.8	0.1	0.1%
55.6%	59.6	59.8	0.2	0.3%
56.8%	59.3	59.7	0.3	0.5%
58.0%	59.2	59.6	0.5	0.8%
59.3%	58.6	59.5	0.9	1.5%
60.5%	58.6	59.5	0.9	1.6%
61.7%	58.5	59.4	0.9	1.5%
63.0%	58.1	59.3	1.2	2.0%
64.2%	58.0	59.2	1.2	2.0%
65.4%	58.0	59.2	1.2	2.0%
66.7%	58.0	58.9	1.0	1.7%
67.9%	57.6	58.9	1.3	2.2%
69.1%	57.5	58.1	0.5	0.9%
70.4%	57.5	57.8	0.3	0.6%
71.6%	57.4	57.8	0.3	0.6%
72.8%	57.4	57.7	0.3	0.5%
74.1%	57.4	57.7	0.3	0.5%
75.3%	57.2	57.5	0.3	0.5%
76.5%	57.2	57.5	0.2	0.4%
77.8%	57.2	57.4	0.2	0.4%
79.0%	57.0	57.3	0.3	0.5%
80.2%	57.0	57.3	0.3	0.5%
81.5%	56.9	57.2	0.4	0.7%
82.7%	56.8	56.6	-0.2	-0.4%
84.0%	56.5	56.3	-0.2	-0.3%
85.2%	56.3	56.1	-0.2	-0.3%
86.4%	56.2	55.9	-0.3	-0.6%
87.7%	56.0	55.8	-0.2	-0.4%
88.9%	55.8	55.7	-0.1	-0.2%
90.1%	55.8	55.6	-0.2	-0.3%
91.4%	55.7	55.6	-0.1	-0.3%
92.6%	55.6	55.5	0.0	0.0%
93.8%	55.5	55.5	0.0	0.0%
95.1%	55.5	55.1	-0.3	-0.6%
96.3%	55.3	55.1	-0.2	-0.4%
97.5%	55.1	55.1	0.0	0.0%
98.8%	54.9	54.4	-0.4	-0.8%
100.0%	54.9	54.4	-0.4	-0.8%

Table SQ8-1b

Sacramento River below Red Bluff, Monthly Temperature

Probability of Exceedance

June to September				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	69.2	69.0	-0.2	-0.3%
1.2%	67.8	66.0	-1.8	-2.6%
2.5%	66.4	64.9	-1.5	-2.2%
3.7%	65.1	64.0	-1.1	-1.7%
4.9%	64.4	62.3	-2.1	-3.3%
6.2%	63.3	62.2	-1.0	-1.6%
7.4%	62.7	61.9	-0.8	-1.3%
8.6%	62.3	61.5	-0.8	-1.3%
9.9%	62.3	61.4	-0.9	-1.5%
11.1%	62.3	61.3	-1.0	-1.7%
12.3%	62.3	61.2	-1.1	-1.8%
13.6%	62.2	61.1	-1.1	-1.7%
14.8%	61.8	61.1	-0.7	-1.1%
16.0%	61.6	61.0	-0.6	-1.0%
17.3%	61.6	60.9	-0.7	-1.1%
18.5%	61.5	60.9	-0.6	-1.0%
19.8%	61.5	60.8	-0.6	-1.0%
21.0%	61.3	60.8	-0.5	-0.8%
22.2%	61.2	60.7	-0.5	-0.8%
23.5%	61.2	60.7	-0.5	-0.8%
24.7%	61.1	60.6	-0.5	-0.9%
25.9%	61.0	60.5	-0.5	-0.8%
27.2%	60.8	60.4	-0.4	-0.6%
28.4%	60.7	60.3	-0.4	-0.7%
29.6%	60.6	60.3	-0.3	-0.5%
30.9%	60.6	60.3	-0.3	-0.5%
32.1%	60.5	60.3	-0.3	-0.5%
33.3%	60.5	60.2	-0.4	-0.6%
34.6%	60.4	60.1	-0.3	-0.5%
35.8%	60.4	60.0	-0.4	-0.7%
37.0%	60.3	60.0	-0.3	-0.6%
38.3%	60.2	60.0	-0.2	-0.4%
39.5%	60.2	60.0	-0.2	-0.4%
40.7%	60.1	59.9	-0.2	-0.4%
42.0%	60.0	59.9	-0.1	-0.2%
43.2%	60.0	59.8	-0.2	-0.3%
44.4%	59.9	59.8	-0.1	-0.2%
45.7%	59.9	59.6	-0.3	-0.5%
46.9%	59.9	59.5	-0.3	-0.6%
48.1%	59.8	59.5	-0.3	-0.5%
49.4%	59.8	59.5	-0.3	-0.5%
50.6%	59.8	59.5	-0.3	-0.5%
51.9%	59.7	59.4	-0.3	-0.5%
53.1%	59.6	59.4	-0.2	-0.4%
54.3%	59.6	59.4	-0.2	-0.4%
55.6%	59.6	59.4	-0.2	-0.4%
56.8%	59.4	59.3	-0.1	-0.2%
58.0%	59.2	59.3	0.1	0.1%
59.3%	59.2	59.3	0.1	0.2%
60.5%	59.1	59.2	0.1	0.2%
61.7%	59.1	59.2	0.1	0.2%
63.0%	59.0	59.2	0.2	0.3%
64.2%	59.0	59.0	0.0	0.1%
65.4%	58.9	59.0	0.1	0.2%
66.7%	58.8	58.9	0.1	0.1%
67.9%	58.8	58.9	0.0	0.1%
69.1%	58.8	58.8	0.0	0.0%
70.4%	58.8	58.8	0.0	0.0%
71.6%	58.7	58.5	-0.2	-0.3%
72.8%	58.7	58.5	-0.2	-0.4%
74.1%	58.6	58.5	-0.1	-0.2%
75.3%	58.6	58.4	-0.1	-0.2%
76.5%	58.4	58.4	0.0	0.0%
77.8%	58.2	58.3	0.1	0.2%
79.0%	58.2	58.2	0.0	0.1%
80.2%	58.1	58.1	0.1	0.1%
81.5%	58.0	58.1	0.0	0.1%
82.7%	58.0	58.1	0.1	0.1%
84.0%	57.9	58.0	0.1	0.2%
85.2%	57.9	58.0	0.1	0.2%
86.4%	57.9	57.9	0.0	0.1%
87.7%	57.7	57.9	0.1	0.2%
88.9%	57.5	57.9	0.4	0.7%
90.1%	57.5	57.8	0.3	0.5%
91.4%	57.5	57.6	0.2	0.3%
92.6%	57.4	57.6	0.2	0.4%
93.8%	57.3	57.5	0.2	0.3%
95.1%	57.3	57.5	0.1	0.3%
96.3%	57.3	57.3	0.1	0.1%
97.5%	57.3	57.2	-0.1	-0.2%
98.8%	57.2	57.1	0.0	-0.1%
100.0%	56.9	57.0	0.1	0.1%

July to September				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	71.6	71.6	0.0	0.0%
1.2%	69.6	67.2	-2.4	-3.5%
2.5%	68.7	66.9	-1.8	-2.6%
3.7%	66.7	65.6	-1.1	-1.7%
4.9%	65.5	63.4	-2.1	-3.2%
6.2%	64.7	62.8	-1.9	-3.0%
7.4%	64.0	62.5	-1.5	-2.4%
8.6%	63.6	62.2	-1.4	-2.2%
9.9%	63.5	62.0	-1.5	-2.4%
11.1%	63.2	61.9	-1.3	-2.0%
12.3%	62.8	61.9	-0.9	-1.4%
13.6%	62.7	61.7	-1.0	-1.6%
14.8%	62.7	61.6	-1.1	-1.7%
16.0%	62.6	61.6	-1.1	-1.7%
17.3%	62.5	61.5	-1.0	-1.6%
18.5%	62.4	61.4	-0.9	-1.5%
19.8%	62.2	61.3	-1.0	-1.5%
21.0%	62.2	61.3	-1.0	-1.5%
22.2%	61.9	61.1	-0.8	-1.3%
23.5%	61.9	61.1	-0.8	-1.4%
24.7%	61.7	61.0	-0.6	-1.0%
25.9%	61.6	60.8	-0.8	-1.3%
27.2%	61.5	60.7	-0.8	-1.3%
28.4%	61.5	60.7	-0.8	-1.4%
29.6%	61.5	60.5	-1.0	-1.6%
30.9%	61.5	60.5	-0.9	-1.5%
32.1%	61.2	60.5	-0.7	-1.1%
33.3%	61.1	60.4	-0.7	-1.2%
34.6%	61.1	60.3	-0.7	-1.2%
35.8%	60.8	60.3	-0.5	-0.8%
37.0%	60.8	60.3	-0.5	-0.8%
38.3%	60.7	60.3	-0.4	-0.7%
39.5%	60.7	60.2	-0.5	-0.8%
40.7%	60.6	60.2	-0.5	-0.7%
42.0%	60.6	60.1	-0.5	-0.8%
43.2%	60.5	60.1	-0.4	-0.7%
44.4%	60.5	60.1	-0.4	-0.7%
45.7%	60.4	60.0	-0.5	-0.8%
46.9%	60.3	59.8	-0.5	-0.8%
48.1%	60.2	59.7	-0.5	-0.8%
49.4%	60.1	59.7	-0.4	-0.6%
50.6%	60.0	59.6	-0.4	-0.7%
51.9%	60.0	59.6	-0.4	-0.7%
53.1%	59.9	59.6	-0.3	-0.5%
54.3%	59.8	59.6	-0.2	-0.3%
55.6%	59.7	59.6	-0.2	-0.3%
56.8%	59.7	59.6	-0.2	-0.3%
58.0%	59.7	59.5	-0.2	-0.4%
59.3%	59.6	59.4	-0.2	-0.4%
60.5%	59.6	59.4	-0.2	-0.4%
61.7%	59.5	59.3	-0.1	-0.2%
63.0%	59.5	59.3	-0.1	-0.2%
64.2%	59.3	59.3	0.0	-0.1%
65.4%	59.3	59.2	-0.1	-0.2%
66.7%	59.3	59.2	-0.1	-0.1%
67.9%	59.3	59.2	-0.1	-0.2%
69.1%	59.3	59.1	-0.2	-0.3%
70.4%	59.2	59.1	-0.1	-0.2%
71.6%	59.1	59.0	-0.1	-0.1%
72.8%	59.1	59.0	-0.1	-0.2%
74.1%	59.1	58.9	-0.2	-0.4%
75.3%	58.9	58.6	-0.3	-0.6%
76.5%	58.9	58.5	-0.4	-0.6%
77.8%	58.6	58.4	-0.2	-0.4%
79.0%	58.6	58.4	-0.2	-0.3%
80.2%	58.4	58.3	-0.1	-0.2%
81.5%	58.4	58.1	-0.3	-0.5%
82.7%	58.2	58.1	-0.1	-0.1%
84.0%	58.0	58.0	0.0	0.0%
85.2%	57.9	57.9	0.0	0.0%
86.4%	57.9	57.9	0.0	0.0%
87.7%	57.8	57.9	0.0	0.1%
88.9%	57.8	57.6	-0.1	-0.2%
90.1%	57.7	57.6	-0.1	-0.3%
91.4%	57.7	57.6	-0.1	-0.2%
92.6%	57.7	57.5	-0.1	-0.3%
93.8%	57.6	57.5	-0.2	-0.3%
95.1%	57.6	57.4	-0.2	-0.3%
96.3%	57.3	57.4	0.1	0.1%
97.5%	57.3	57.4	0.1	0.1%
98.8%	57.2	57.3	0.1	0.1%
100.0%	57.2	56.9	-0.3	-0.4%

August to September				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	72.2	72.2	-0.1	-0.1%
1.2%	71.7	69.6	-2.1	-2.9%
2.5%	70.9	69.3	-1.6	-2.3%
3.7%	69.4	67.9	-1.5	-2.2%
4.9%	67.1	64.9	-2.2	-3.3%
6.2%	66.2	63.4	-2.8	-4.3%
7.4%	65.4	63.2	-2.2	-3.4%
8.6%	64.9	63.2	-1.7	-2.6%
9.9%	64.4	63.1	-1.3	-2.0%
11.1%	64.0	62.9	-1.1	-1.8%
12.3%	64.0	62.7	-1.2	-1.9%
13.6%	63.7	62.7	-1.1	-1.7%
14.8%	63.7	62.4	-1.3	-2.1%
16.0%	63.5	61.9	-1.6	-2.5%
17.3%	63.4	61.9	-1.5	-2.4%
18.5%	63.2	61.8	-1.4	-2.2%
19.8%	63.1	61.7	-1.4	-2.2%
21.0%	62.8	61.6	-1.2	-2.0%
22.2%	62.7	61.5	-1.2	-1.9%
23.5%	62.7	61.3	-1.3	-2.1%
24.7%	62.5	61.3	-1.2	-1.9%
25.9%	62.4	61.3	-1.1	-1.8%
27.2%	62.4	61.1	-1.3	-2.1%
28.4%	62.2	61.0	-1.2	-1.9%
29.6%	62.1	61.0	-1.1	-1.8%
30.9%	62.0	61.0	-1.1	-1.7%
32.1%	62.0	61.0	-1.0	-1.7%
33.3%	61.9	60.9	-1.0	-1.6%
34.6%	61.8	60.9	-0.9	-1.5%
35.8%	61.8	60.9	-0.9	-1.4%
37.0%	61.7	60.8	-0.9	-1.5%
38.3%	61.6	60.6	-1.0	-1.6%
39.5%	61.6	60.6	-1.0	-1.6%
40.7%	61.5	60.6	-0.9	-1.5%
42.0%	61.3	60.5	-0.8	-1.2%
43.2%	61.2	60.5	-0.7	-1.2%
44.4%	61.1	60.4	-0.6	-1.0%
45.7%	60.9	60.4	-0.5	-0.9%
46.9%	60.7	60.3	-0.4	-0.6%
48.1%	60.7	60.3	-0.5	-0.7%
49.4%	60.6	60.2	-0.4	-0.7%
50.6%	60.5	60.2	-0.3	-0.5%
51.9%	60.5	60.2	-0.3	-0.5%
53.1%	60.3	60.2	-0.1	-0.2%
54.3%	60.3	60.1	-0.2	-0.3%
55.6%	60.2	59.9	-0.3	-0.5%
56.8%	60.2	59.9	-0.3	-0.4%
58.0%	60.1	59.8	-0.2	-0.4%
59.3%	60.0	59.8	-0.2	-0.3%
60.5%	59.9	59.8	-0.2	-0.3%
61.7%	59.9	59.8	-0.2	-0.3%
63.0%	59.8	59.7	-0.1	-0.2%
64.2%	59.7	59.7	0.0	0.0%
65.4%	59.6	59.7	0.1	0.1%
66.7%	59.6	59.3	-0.3	-0.4%
67.9%	59.6	59.3	-0.3	-0.5%
69.1%	59.5	59.2	-0.3	-0.5%
70.4%	59.4	59.2	-0.3	-0.5%
71.6%	59.4	59.1	-0.4	-0.6%
72.8%	59.4	59.0	-0.3	-0.6%
74.1%	59.3	58.8	-0.5	-0.8%
75.3%	59.1	58.8	-0.2	-0.4%
76.5%	58.8	58.8	0.0	-0.1%
77.8%	58.7	58.6	-0.1	-0.2%
79.0%	58.6	58.5	-0.1	-0.2%
80.2%	58.6	58.4	-0.1	-0.2%
81.5%	58.5	58.4	-0.1	-0.2%
82.7%	58.5	58.2	-0.3	-0.5%
84.0%	58.4	58.2	-0.2	-0.4%
85.2%	58.3	58.2	-0.2	-0.3%
86.4%	58.1	58.1	0.1	0.1%
87.7%	58.0	58.0	-0.1	-0.1%
88.9%	57.9	57.8	0.0	0.0%
90.1%	57.8	57.6	-0.2	-0.4%
91.4%	57.7	57.6	-0.1	-0.2%
92.6%	57.7	57.5	-0.3	-0.4%
93.8%	57.7	57.4	-0.3	-0.5%
95.1%	57.6	57.4	-0.3	-0.4%
96.3%	57.6	57.3	-0.3	-0.5%
97.5%	57.5	57.1	-0.3	-0.6%
98.8%	57.1	57.0	-0.1	-0.2%
100.0%	56.8	56.1	-0.7	-1.2%

Figure SQ9-1b
American River below Nimbus Dam, Monthly Temperature
Probability of Exceedance

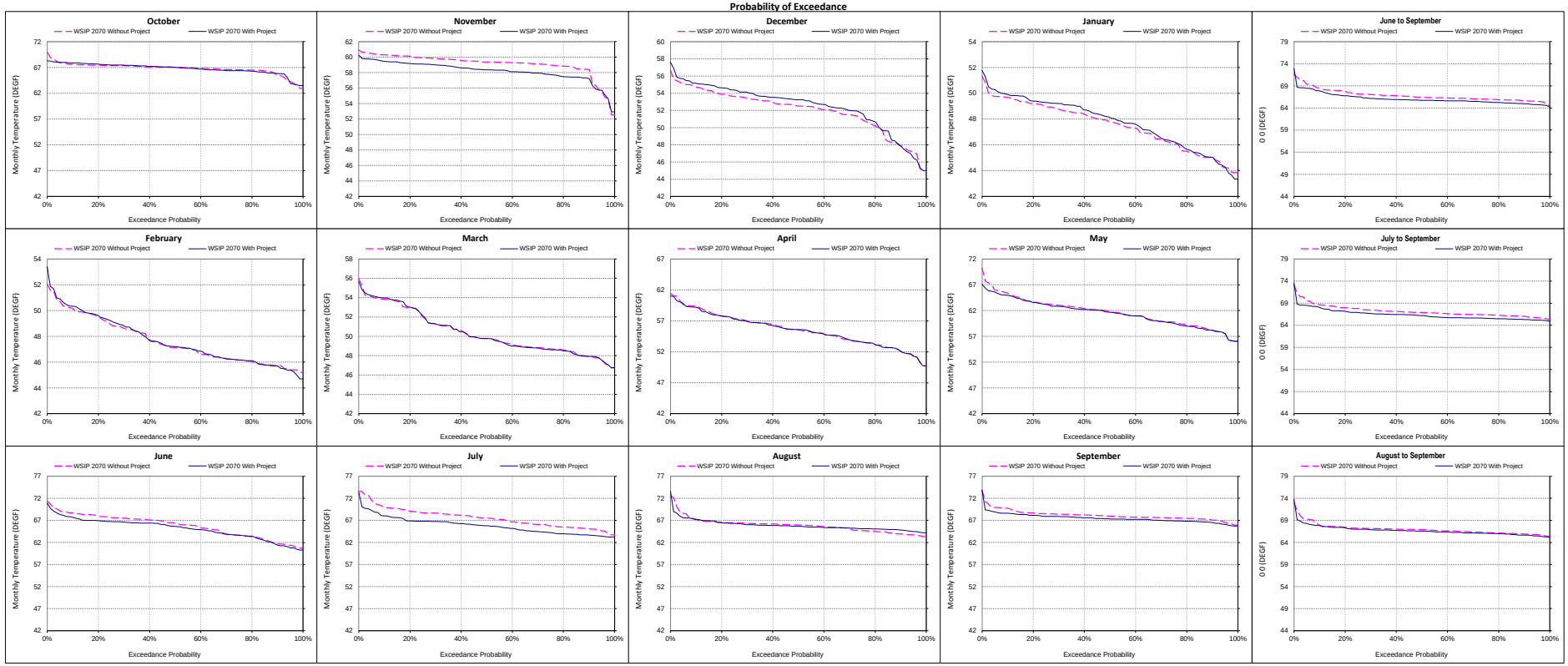


Table SQ9-1b

American River below Nimbus Dam, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	70.0	68.3	-1.7	-2.4%
1.2%	68.9	68.2	-0.7	-1.0%
2.5%	68.7	68.1	-0.6	-0.9%
3.7%	68.2	68.0	-0.2	-0.2%
4.9%	67.9	68.0	0.1	0.1%
6.2%	67.9	68.0	0.1	0.2%
7.4%	67.8	68.0	0.2	0.2%
8.6%	67.6	67.9	0.3	0.4%
9.9%	67.6	67.9	0.3	0.4%
11.1%	67.5	67.9	0.3	0.5%
12.3%	67.5	67.9	0.3	0.5%
13.6%	67.5	67.8	0.3	0.4%
14.8%	67.5	67.8	0.3	0.4%
16.0%	67.5	67.7	0.3	0.4%
17.3%	67.5	67.7	0.3	0.4%
18.5%	67.4	67.7	0.3	0.4%
19.8%	67.4	67.7	0.2	0.4%
21.0%	67.4	67.6	0.1	0.2%
22.2%	67.4	67.6	0.1	0.2%
23.5%	67.4	67.5	0.1	0.1%
24.7%	67.4	67.5	0.1	0.1%
25.9%	67.4	67.5	0.1	0.1%
27.2%	67.4	67.5	0.1	0.1%
28.4%	67.4	67.4	0.1	0.1%
29.6%	67.4	67.4	0.1	0.1%
30.9%	67.3	67.4	0.1	0.1%
32.1%	67.3	67.4	0.1	0.2%
33.3%	67.3	67.4	0.1	0.2%
34.6%	67.2	67.4	0.1	0.2%
35.8%	67.2	67.3	0.1	0.2%
37.0%	67.2	67.3	0.1	0.2%
38.3%	67.1	67.3	0.2	0.3%
39.5%	67.1	67.2	0.1	0.2%
40.7%	67.1	67.2	0.1	0.2%
42.0%	67.1	67.2	0.1	0.2%
43.2%	67.1	67.1	0.0	0.1%
44.4%	67.1	67.1	0.0	0.1%
45.7%	67.1	67.1	0.0	0.1%
46.9%	67.1	67.1	0.0	0.0%
48.1%	67.1	67.1	0.0	0.0%
49.4%	67.1	67.1	0.0	0.0%
50.6%	67.0	67.0	-0.1	-0.1%
51.9%	67.0	66.9	-0.1	-0.2%
53.1%	67.0	66.9	-0.1	-0.2%
54.3%	67.0	66.9	-0.1	-0.2%
55.6%	66.9	66.9	-0.1	-0.1%
56.8%	66.9	66.8	-0.1	-0.1%
58.0%	66.9	66.8	-0.1	-0.2%
59.3%	66.8	66.7	-0.1	-0.2%
60.5%	66.8	66.7	-0.1	-0.2%
61.7%	66.8	66.6	-0.2	-0.3%
63.0%	66.8	66.6	-0.3	-0.4%
64.2%	66.8	66.5	-0.3	-0.4%
65.4%	66.8	66.5	-0.2	-0.4%
66.7%	66.7	66.5	-0.2	-0.3%
67.9%	66.7	66.5	-0.2	-0.3%
69.1%	66.6	66.4	-0.2	-0.2%
70.4%	66.6	66.4	-0.2	-0.3%
71.6%	66.6	66.4	-0.2	-0.3%
72.8%	66.6	66.4	-0.2	-0.3%
74.1%	66.6	66.4	-0.2	-0.3%
75.3%	66.5	66.4	-0.2	-0.3%
76.5%	66.5	66.4	-0.2	-0.3%
77.8%	66.5	66.3	-0.2	-0.3%
79.0%	66.5	66.3	-0.2	-0.2%
80.2%	66.5	66.3	-0.2	-0.3%
81.5%	66.5	66.2	-0.3	-0.4%
82.7%	66.5	66.1	-0.3	-0.5%
84.0%	66.4	66.1	-0.3	-0.4%
85.2%	66.3	66.1	-0.3	-0.4%
86.4%	66.2	65.9	-0.3	-0.4%
87.7%	66.2	65.9	-0.2	-0.4%
88.9%	65.9	65.9	0.0	0.0%
90.1%	65.4	65.8	0.4	0.7%
91.4%	65.4	65.8	0.4	0.6%
92.6%	65.1	65.8	0.7	1.0%
93.8%	64.5	65.1	0.6	0.9%
95.1%	64.3	63.9	-0.4	-0.6%
96.3%	63.9	63.8	-0.1	-0.2%
97.5%	63.5	63.6	0.2	0.3%
98.8%	62.9	63.5	0.5	0.8%
100.0%	62.9	63.5	0.0	0.8%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.9	60.3	-0.7	-1.1%
1.2%	60.6	59.8	-0.8	-1.3%
2.5%	60.6	59.8	-0.8	-1.4%
3.7%	60.5	59.8	-0.8	-1.3%
4.9%	60.5	59.7	-0.8	-1.3%
6.2%	60.4	59.7	-0.7	-1.2%
7.4%	60.3	59.6	-0.7	-1.1%
8.6%	60.3	59.5	-0.8	-1.3%
9.9%	60.3	59.5	-0.8	-1.4%
11.1%	60.3	59.4	-0.9	-1.4%
12.3%	60.2	59.4	-0.8	-1.4%
13.6%	60.2	59.4	-0.8	-1.4%
14.8%	60.2	59.4	-0.8	-1.3%
16.0%	60.2	59.3	-0.9	-1.5%
17.3%	60.2	59.3	-0.9	-1.5%
18.5%	60.1	59.2	-0.9	-1.6%
19.8%	60.1	59.2	-0.9	-1.6%
21.0%	60.1	59.1	-0.9	-1.5%
22.2%	60.0	59.1	-0.8	-1.4%
23.5%	60.0	59.1	-0.8	-1.4%
24.7%	59.9	59.1	-0.8	-1.3%
25.9%	59.9	59.1	-0.8	-1.4%
27.2%	59.9	59.1	-0.8	-1.4%
28.4%	59.9	59.0	-0.8	-1.4%
29.6%	59.8	59.0	-0.8	-1.4%
30.9%	59.8	59.0	-0.8	-1.4%
32.1%	59.8	58.9	-0.8	-1.4%
33.3%	59.8	58.9	-0.8	-1.4%
34.6%	59.7	58.9	-0.9	-1.4%
35.8%	59.7	58.8	-0.9	-1.5%
37.0%	59.7	58.8	-0.9	-1.5%
38.3%	59.6	58.7	-0.9	-1.6%
39.5%	59.6	58.6	-1.0	-1.6%
40.7%	59.5	58.6	-0.9	-1.6%
42.0%	59.5	58.6	-0.9	-1.5%
43.2%	59.5	58.6	-0.9	-1.6%
44.4%	59.5	58.5	-1.0	-1.7%
45.7%	59.5	58.4	-1.1	-1.8%
46.9%	59.4	58.4	-1.0	-1.7%
48.1%	59.4	58.4	-1.0	-1.7%
49.4%	59.4	58.4	-1.0	-1.7%
50.6%	59.4	58.4	-1.0	-1.7%
51.9%	59.4	58.4	-1.0	-1.7%
53.1%	59.4	58.3	-1.0	-1.7%
54.3%	59.3	58.3	-1.0	-1.7%
55.6%	59.3	58.3	-1.0	-1.7%
56.8%	59.3	58.3	-1.0	-1.7%
58.0%	59.3	58.2	-1.1	-1.8%
59.3%	59.3	58.1	-1.2	-2.0%
60.5%	59.3	58.1	-1.2	-2.0%
61.7%	59.3	58.1	-1.2	-2.0%
63.0%	59.3	58.1	-1.2	-2.0%
64.2%	59.2	58.1	-1.2	-2.0%
65.4%	59.2	58.1	-1.2	-2.0%
66.7%	59.2	58.0	-1.2	-2.0%
67.9%	59.2	57.9	-1.2	-2.0%
69.1%	59.1	57.9	-1.2	-2.1%
70.4%	59.1	57.9	-1.2	-2.0%
71.6%	59.1	57.9	-1.2	-2.0%
72.8%	59.1	57.8	-1.3	-2.1%
74.1%	59.0	57.8	-1.3	-2.1%
75.3%	59.0	57.7	-1.2	-2.1%
76.5%	58.9	57.7	-1.2	-2.1%
77.8%	58.9	57.6	-1.3	-2.1%
79.0%	58.8	57.5	-1.3	-2.3%
80.2%	58.8	57.5	-1.4	-2.3%
81.5%	58.8	57.5	-1.3	-2.3%
82.7%	58.8	57.4	-1.4	-2.3%
84.0%	58.7	57.4	-1.3	-2.2%
85.2%	58.5	57.4	-1.1	-1.9%
86.4%	58.5	57.4	-1.1	-1.9%
87.7%	58.4	57.3	-1.1	-1.9%
88.9%	58.4	57.3	-1.1	-1.9%
90.1%	58.4	57.2	-1.2	-2.0%
91.4%	56.4	56.3	-0.1	-0.2%
92.6%	56.4	55.9	-0.5	-0.9%
93.8%	55.8	55.8	0.0	0.0%
95.1%	55.5	55.7	0.2	0.4%
96.3%	54.8	55.0	0.2	0.4%
97.5%	54.6	54.6	0.0	0.1%
98.8%	52.5	52.9	0.4	0.8%
100.0%	52.5	52.9	0.4	0.8%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.7	57.6	0.9	1.6%
1.2%	55.6	56.9	1.3	2.3%
2.5%	55.5	55.9	0.4	0.8%
3.7%	55.3	55.7	0.4	0.8%
4.9%	55.1	55.7	0.6	1.0%
6.2%	55.0	55.5	0.5	0.8%
7.4%	55.0	55.5	0.4	0.8%
8.6%	54.9	55.2	0.2	0.5%
9.9%	54.7	55.2	0.4	0.8%
11.1%	54.7	55.1	0.4	0.7%
12.3%	54.6	55.1	0.5	0.9%
13.6%	54.3	55.0	0.7	1.2%
14.8%	54.3	55.0	0.6	1.2%
16.0%	54.3	54.9	0.6	1.2%
17.3%	54.0	54.9	0.8	1.5%
18.5%	54.0	54.7	0.7	1.3%
19.8%	53.9	54.6	0.8	1.4%
21.0%	53.9	54.6	0.7	1.4%
22.2%	53.8	54.6	0.7	1.4%
23.5%	53.7	54.4	0.7	1.3%
24.7%	53.6	54.4	0.7	1.4%
25.9%	53.6	54.3	0.7	1.4%
27.2%	53.6	54.2	0.6	1.1%
28.4%	53.6	54.1	0.6	1.1%
29.6%	53.4	54.1	0.7	1.3%
30.9%	53.3	54.0	0.7	1.3%
32.1%	53.3	54.0	0.7	1.3%
33.3%	53.3	53.8	0.5	1.0%
34.6%	53.2	53.7	0.5	0.9%
35.8%	53.2	53.6	0.5	0.9%
37.0%	53.1	53.6	0.5	1.0%
38.3%	53.1	53.5	0.4	0.8%
39.5%	53.0	53.5	0.5	0.9%
40.7%	52.8	53.5	0.7	1.3%
42.0%	52.8	53.5	0.7	1.4%
43.2%	52.7	53.5	0.7	1.4%
44.4%	52.7	53.4	0.7	1.3%
45.7%	52.7	53.4	0.7	1.2%
46.9%	52.7	53.3	0.7	1.2%
48.1%	52.7	53.3	0.6	1.1%
49.4%	52.5	53.2	0.7	1.3%
50.6%	52.5	53.2	0.7	1.4%
51.9%	52.5	53.2	0.7	1.4%
53.1%	52.5	53.1	0.6	1.2%
54.3%	52.5	53.1	0.6	1.2%
55.6%	52.4	52.9	0.5	0.9%
56.8%	52.3	52.9	0.6	1.1%
58.0%	52.2	52.7	0.5	1.0%
59.3%	52.1	52.7	0.6	1.2%
60.5%	52.1	52.7	0.6	1.1%
61.7%	52.1	52.5	0.4	0.7%
63.0%	52.0	52.4	0.3	0.7%
64.2%	51.9	52.3	0.4	0.8%
65.4%	51.9	52.3	0.4	0.8%
66.7%	51.6	52.3	0.7	1.3%
67.9%	51.5	52.2	0.6	1.3%
69.1%	51.5	52.1	0.6	1.1%
70.4%	51.5	52.0	0.5	0.9%
71.6%	51.4	52.0	0.5	1.0%
72.8%	51.4	52.0	0.6	1.1%
74.1%	51.1	51.8	0.7	1.3%
75.3%	50.9	51.6	0.7	1.4%
76.5%	50.7	50.9	0.2	0.5%
77.8%	50.5	50.9	0.4	0.7%
79.0%	50.3	50.8	0.5	0.9%
80.2%	50.2	50.6	0.4	0.9%
81.5%	49.9	50.1	0.2	0.4%
82.7%	49.8	49.7	-0.1	-0.2%
84.0%	48.7	49.6	1.0	2.0%
85.2%	48.4	49.6	1.2	2.5%
86.4%	48.3	48.5	0.2	0.5%
87.7%	48.3	48.5	0.2	0.4%
88.9%	48.2	48.1	-0.1	-0.2%
90.1%	47.9	47.8	-0.1	-0.2%
91.4%	47.7	47.5	-0.2	-0.5%
92.6%	47.4	47.2	-0.2	-0.5%
93.8%	47.3	47.0	-0.3	-0.6%
95.1%	47.2	46.4	-0.8	-1.7%
96.3%	46.9	46.2	-0.7	-1.5%
97.5%	45.2	45.3	0.0	0.1%
98.8%	45.0	45.0	0.0	0.0%
100.0%	45.0	45.0	0.0	0.0%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	51.3	51.8	0.5	0.9%
1.2%	50.9	51.3	0.4	0.8%
2.5%	50.0	50.5	0.5	1.0%
3.7%	49.8	50.3	0.5	1.0%
4.9%	49.8	50.3	0.5	1.1%
6.2%	49.8	50.1	0.4	0.7%
7.4%	49.7	50.0	0.3	0.6%
8.6%	49.7	50.0	0.2	0.5%
9.9%	49.7	49.9	0.2	0.5%
11.1%	49.6	49.8	0.2	0.4%
12.3%	49.5	49.8	0.3	0.7%
13.6%	49.5	49.8	0.3	0.7%
14.8%	49.4	49.8	0.4	0.9%
16.0%	49.4	49.8	0.4	0.9%
17.3%	49.3	49.6	0.3	0.6%
18.5%	49.2	49.4	0.2	0.5%
19.8%	49.2	49.4	0.2	0.4%
21.0%	49.2	49.4	0.2	0.4%
22.2%	49.1	49.4	0.2	0.4%
23.5%	49.1	49.3	0.2	0.4%
24.7%	49.0	49.3	0.3	0.7%
25.9%	48.9	49.3	0.3	0.7%
27.2%	48.9	49.2	0.3	0.6%
28.4%	48.8	49.2	0.4	0.8%
29.6%	48.8	49.2	0.4	0.9%
30.9%	48.7	49.2	0.5	1.0%
32.1%	48.7	49.1	0.4	0.9%
33.3%	48.6	49.1	0.5	1.1%
34.6%	48.6	49.1	0.5	1.1%
35.8%	48.5	49.1	0.6	1.2%
37.0%	48.5	49.0	0.5	1.1%
38.3%	48.5	49.0	0.5	1.1%
39.5%	48.4	48.7	0.3	0.6%
40.7%	48.3	48.7	0.4	0.8%
42.0%	48.2	48.6	0.4	0.8%
43.2%	48.1	48.5	0.3	0.7%
44.4%	48.0	48.4	0.4	0.8%
45.7%	48.0	48.4	0.4	0.8%
46.9%	47.9	48.3	0.4	0.8%
48.1%	47.9	48.2	0.3	0.6%
49.4%	47.8	48.2	0.3	0.7%
50.6%	47.8	48.1	0.3	0.6%
51.9%	47.7	48.0	0.3	0.7%
53.1%	47.7	47.9	0.2	0.5%
54.3%	47.5	47.8	0.3	0.7%
55.6%	47.5	47.7	0.2	0.5%
56.8%	47.4	47.7	0.3	0.6%
58.0%	47.3	47.7	0.3	0.7%
59.3%	47.3	47.7	0.4	0.8%
60.5%	47.3	47.5	0.3	0.6%
61.7%	47.0	47.4	0.4	0.9%
63.0%	46.9	47.2	0.2	0.5%
64.2%	46.9	47.2	0.3	0.5%
65.4%	46.9	47.1	0.2	0.5%
66.7%	46.8	47.0	0.1	0.3%
67.9%	46.5	46.8	0.3	0.7%
69.1%	46.5	46.6	0.2	0.4%
70.4%	46.4	46.5	0.0	0.1%
71.6%	46.3	46.4	0.1	0.2%
72.8%	46.2	46.4	0.1	0.3%
74.1%	46.1	46.3	0.1	0.3%
75.3%	46.1	46.2	0.1	0.3%
76.5%	46.1	46.1	0.0	0.0%
77.8%	45.6	46.0	0.4	0.9%
79.0%	45.5	45.8	0.2	0.5%
80.2%	45.5	45.6	0.2	0.4%
81.5%	45.4	45.6	0.1	0.3%
82.7%	45.4	45.4	0.0	0.0%
84.0%	45.2	45.4	0.2	0.4%
85.2%	45.1	45.3	0.2	0.4%
86.4%	45.1	45.2	0.1	0.2%
87.7%	45.0	45.1	0.0	0.0%
88.9%	45.0	45.0	0.0	0.0%
90.1%	45.0	45.0	0.0	0.0%
91.4%	44.8	44.7	-0.1	-0.2%
92.6%	44.7	44.5	-0.2	-0.5%
93.8%	44.3	44.4	0.1	0.3%
95.1%	44.2	44.3	0.0	0.0%
96.3%	44.2	43.8	-0.4	-0.8%
97.5%	43.9	43.6	-0.2	-0.5%
98.8%	43.8	43.4	-0.5	-1.1%
100.0%	43.8	43.4	-0.5	-1.1%

Table SQ9-1b

American River below Nimbus Dam, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.0	53.4	1.4	2.6%
1.2%	51.6	51.9	0.3	0.6%
2.5%	51.5	51.7	0.2	0.4%
3.7%	50.8	51.0	0.2	0.3%
4.9%	50.7	50.9	0.2	0.4%
6.2%	50.4	50.6	0.3	0.6%
7.4%	50.3	50.5	0.2	0.4%
8.6%	50.2	50.3	0.1	0.2%
9.9%	50.2	50.3	0.2	0.3%
11.1%	49.9	50.3	0.4	0.8%
12.3%	49.9	50.2	0.2	0.5%
13.6%	49.9	50.0	0.1	0.2%
14.8%	49.8	49.9	0.0	0.0%
16.0%	49.8	49.8	0.0	0.0%
17.3%	49.7	49.8	0.0	0.1%
18.5%	49.7	49.7	0.1	0.1%
19.8%	49.5	49.6	0.1	0.2%
21.0%	49.4	49.5	0.1	0.1%
22.2%	49.2	49.4	0.2	0.4%
23.5%	49.2	49.3	0.1	0.2%
24.7%	48.9	49.2	0.3	0.6%
25.9%	48.8	49.1	0.3	0.6%
27.2%	48.8	49.0	0.2	0.4%
28.4%	48.8	48.9	0.2	0.3%
29.6%	48.7	48.9	0.2	0.4%
30.9%	48.6	48.7	0.2	0.3%
32.1%	48.5	48.7	0.2	0.4%
33.3%	48.5	48.5	0.0	-0.1%
34.6%	48.4	48.4	0.0	0.0%
35.8%	48.3	48.3	0.0	0.1%
37.0%	48.3	48.1	-0.1	-0.2%
38.3%	48.2	48.0	-0.3	-0.5%
39.5%	47.7	47.8	0.0	0.1%
40.7%	47.6	47.6	0.0	0.1%
42.0%	47.6	47.6	0.0	0.0%
43.2%	47.5	47.6	0.1	0.2%
44.4%	47.4	47.5	0.1	0.2%
45.7%	47.3	47.3	0.0	0.0%
46.9%	47.3	47.2	0.0	-0.1%
48.1%	47.1	47.2	0.1	0.2%
49.4%	47.1	47.2	0.1	0.1%
50.6%	47.1	47.2	0.1	0.2%
51.9%	47.1	47.2	0.0	0.1%
53.1%	47.1	47.2	0.1	0.1%
54.3%	47.1	47.1	0.0	0.1%
55.6%	47.0	47.1	0.1	0.1%
56.8%	47.0	47.0	0.0	0.1%
58.0%	46.9	46.9	0.0	0.0%
59.3%	46.6	46.9	0.2	0.5%
60.5%	46.6	46.8	0.2	0.5%
61.7%	46.6	46.7	0.0	0.1%
63.0%	46.5	46.6	0.1	0.2%
64.2%	46.4	46.6	0.1	0.3%
65.4%	46.4	46.4	0.0	0.1%
66.7%	46.4	46.4	0.0	0.0%
67.9%	46.3	46.3	0.0	0.0%
69.1%	46.3	46.3	0.0	0.0%
70.4%	46.3	46.2	0.0	-0.1%
71.6%	46.2	46.2	0.0	0.0%
72.8%	46.2	46.2	0.0	0.0%
74.1%	46.2	46.2	0.0	0.0%
75.3%	46.2	46.2	0.0	0.0%
76.5%	46.2	46.2	0.0	0.0%
77.8%	46.1	46.1	0.0	0.1%
79.0%	46.1	46.1	0.0	0.1%
80.2%	46.0	46.1	0.1	0.2%
81.5%	45.9	46.0	0.1	0.2%
82.7%	45.9	45.8	0.0	-0.1%
84.0%	45.9	45.8	-0.1	-0.2%
85.2%	45.8	45.8	0.0	-0.1%
86.4%	45.8	45.8	0.0	-0.1%
87.7%	45.8	45.7	-0.1	-0.1%
88.9%	45.7	45.7	0.0	-0.1%
90.1%	45.7	45.7	0.0	-0.1%
91.4%	45.7	45.5	-0.2	-0.5%
92.6%	45.5	45.5	0.0	0.0%
93.8%	45.5	45.4	-0.1	-0.2%
95.1%	45.4	45.4	0.0	0.0%
96.3%	45.4	45.3	-0.1	-0.3%
97.5%	45.4	45.0	-0.4	-0.9%
98.8%	45.2	44.7	-0.5	-1.1%
100.0%	45.2	44.7	-0.5	-1.1%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.9	55.7	-0.3	-0.5%
1.2%	55.3	54.8	-0.5	-0.8%
2.5%	54.3	54.5	0.2	0.4%
3.7%	54.1	54.3	0.2	0.3%
4.9%	54.1	54.2	0.1	0.2%
6.2%	54.0	54.1	0.2	0.3%
7.4%	54.0	54.1	0.1	0.2%
8.6%	53.9	54.0	0.1	0.2%
9.9%	53.8	54.0	0.1	0.2%
11.1%	53.8	54.0	0.2	0.3%
12.3%	53.8	53.8	0.0	0.1%
13.6%	53.7	53.7	0.0	0.0%
14.8%	53.6	53.7	0.1	0.2%
16.0%	53.6	53.6	0.1	0.1%
17.3%	53.1	53.6	0.5	1.0%
18.5%	53.0	53.1	0.1	0.3%
19.8%	53.0	53.0	0.0	0.1%
21.0%	52.9	52.9	0.0	0.0%
22.2%	52.9	52.9	0.0	0.0%
23.5%	52.7	52.6	-0.1	-0.2%
24.7%	52.1	52.2	0.1	0.3%
25.9%	51.8	51.9	0.1	0.2%
27.2%	51.4	51.4	0.0	-0.1%
28.4%	51.3	51.3	0.0	0.1%
29.6%	51.3	51.3	0.0	0.0%
30.9%	51.2	51.2	0.0	0.0%
32.1%	51.1	51.2	0.1	0.1%
33.3%	51.1	51.1	0.0	0.1%
34.6%	51.1	51.1	0.0	0.0%
35.8%	51.1	51.1	0.1	0.1%
37.0%	50.7	50.7	0.0	0.0%
38.3%	50.7	50.7	0.0	0.0%
39.5%	50.7	50.5	-0.2	-0.4%
40.7%	50.5	50.5	0.0	0.0%
42.0%	50.2	50.3	0.1	0.1%
43.2%	49.9	50.0	0.0	0.1%
44.4%	49.9	50.0	0.0	0.0%
45.7%	49.9	49.9	0.0	0.0%
46.9%	49.8	49.8	0.0	0.1%
48.1%	49.8	49.8	0.0	0.0%
49.4%	49.8	49.8	0.0	0.0%
50.6%	49.8	49.8	0.0	0.0%
51.9%	49.7	49.7	0.0	0.0%
53.1%	49.7	49.6	-0.1	-0.2%
54.3%	49.6	49.5	-0.1	-0.2%
55.6%	49.4	49.5	0.0	0.1%
56.8%	49.3	49.3	0.0	0.0%
58.0%	49.3	49.1	-0.2	-0.3%
59.3%	49.2	49.0	-0.2	-0.4%
60.5%	49.1	49.0	-0.1	-0.3%
61.7%	49.0	49.0	-0.1	-0.1%
63.0%	49.0	49.0	0.0	-0.1%
64.2%	49.0	48.9	-0.1	-0.1%
65.4%	48.9	48.9	-0.1	-0.1%
66.7%	48.9	48.8	-0.1	-0.1%
67.9%	48.9	48.8	-0.1	-0.1%
69.1%	48.8	48.8	0.0	-0.1%
70.4%	48.8	48.8	-0.1	-0.1%
71.6%	48.8	48.7	-0.1	-0.2%
72.8%	48.8	48.7	-0.1	-0.2%
74.1%	48.7	48.6	-0.1	-0.1%
75.3%	48.7	48.6	-0.1	-0.2%
76.5%	48.7	48.6	-0.1	-0.1%
77.8%	48.7	48.6	-0.1	-0.2%
79.0%	48.6	48.6	-0.1	-0.1%
80.2%	48.6	48.5	-0.1	-0.1%
81.5%	48.6	48.5	-0.1	-0.1%
82.7%	48.5	48.4	-0.1	-0.1%
84.0%	48.4	48.2	-0.2	-0.4%
85.2%	48.1	48.1	-0.1	-0.1%
86.4%	48.0	48.0	0.0	-0.1%
87.7%	48.0	48.0	-0.1	-0.1%
88.9%	48.0	47.9	0.0	0.0%
90.1%	47.9	47.9	0.0	0.0%
91.4%	47.9	47.9	0.1	0.1%
92.6%	47.8	47.9	0.1	0.1%
93.8%	47.7	47.8	0.1	0.1%
95.1%	47.6	47.5	-0.1	-0.1%
96.3%	47.2	47.3	0.1	0.2%
97.5%	47.1	47.0	0.0	-0.1%
98.8%	46.7	46.8	0.0	0.1%
100.0%	46.7	46.8	0.0	0.1%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.5	61.0	-0.5	-0.8%
1.2%	61.0	61.0	0.0	-0.1%
2.5%	61.0	60.2	-0.8	-1.3%
3.7%	60.3	60.0	-0.2	-0.4%
4.9%	59.6	59.8	0.2	0.4%
6.2%	59.4	59.3	-0.1	-0.2%
7.4%	59.4	59.3	-0.1	-0.2%
8.6%	59.4	59.2	-0.2	-0.3%
9.9%	59.4	59.2	-0.2	-0.3%
11.1%	59.2	59.0	-0.2	-0.3%
12.3%	58.9	58.5	-0.4	-0.7%
13.6%	58.7	58.5	-0.2	-0.4%
14.8%	58.6	58.3	-0.3	-0.6%
16.0%	58.2	58.0	-0.2	-0.4%
17.3%	58.1	58.0	-0.1	-0.2%
18.5%	57.9	57.9	0.0	-0.1%
19.8%	57.8	57.8	0.0	0.0%
21.0%	57.7	57.7	0.0	0.0%
22.2%	57.7	57.7	0.0	0.0%
23.5%	57.5	57.6	0.1	0.2%
24.7%	57.4	57.3	-0.1	-0.2%
25.9%	57.3	57.3	0.0	-0.1%
27.2%	57.3	57.1	-0.2	-0.3%
28.4%	57.2	57.0	-0.1	-0.3%
29.6%	57.0	56.9	-0.1	-0.2%
30.9%	56.9	56.8	-0.1	-0.2%
32.1%	56.8	56.7	0.0	0.0%
33.3%	56.7	56.7	0.0	0.0%
34.6%	56.6	56.7	0.0	0.1%
35.8%	56.6	56.7	0.0	0.0%
37.0%	56.6	56.6	0.0	0.0%
38.3%	56.5	56.4	-0.2	-0.3%
39.5%	56.5	56.3	-0.2	-0.4%
40.7%	56.4	56.1	-0.3	-0.5%
42.0%	56.1	56.1	0.0	-0.1%
43.2%	56.1	55.9	-0.2	-0.3%
44.4%	55.7	55.8	0.1	0.1%
45.7%	55.7	55.7	0.0	0.1%
46.9%	55.6	55.7	0.0	0.1%
48.1%	55.6	55.6	0.0	0.1%
49.4%	55.6	55.6	0.0	0.1%
50.6%	55.5	55.6	0.0	0.1%
51.9%	55.4	55.6	0.2	0.3%
53.1%	55.3	55.5	0.2	0.4%
54.3%	55.3	55.4	0.1	0.1%
55.6%	55.1	55.2	0.1	0.2%
56.8%	55.1	55.1	0.0	0.0%
58.0%	55.1	55.0	-0.1	-0.1%
59.3%	55.0	55.0	-0.1	-0.1%
60.5%	54.8	54.8	0.0	0.0%
61.7%	54.7	54.7	0.0	0.0%
63.0%	54.7	54.7	0.0	0.0%
64.2%	54.6	54.7	0.0	0.1%
65.4%	54.4	54.6	0.2	0.4%
66.7%	54.2	54.4	0.3	0.5%
67.9%	54.1	54.2	0.2	0.3%
69.1%	54.0	54.1	0.1	0.1%
70.4%	53.9	53.9	0.0	0.0%
71.6%	53.8	53.7	-0.1	-0.2%
72.8%	53.7	53.7	0.0	0.0%
74.1%	53.6	53.6	0.0	0.0%
75.3%	53.6	53.6	0.0	0.0%
76.5%	53.5	53.5	0.0	0.0%
77.8%	53.4	53.4	0.0	0.1%
79.0%	53.4	53.4	0.0	0.1%
80.2%	53.1	53.1	0.0	0.0%
81.5%	53.1	53.0	-0.1	-0.1%
82.7%	53.0	52.7	-0.3	-0.5%
84.0%	52.8	52.7	-0.1	-0.2%
85.2%	52.7	52.7	0.0	0.0%
86.4%	52.7	52.7	0.0	0.0%
87.7%	52.6	52.6	0.0	-0.1%
88.9%	52.4	52.4	0.0	0.1%
90.1%	52.1	52.0	0.0	-0.1%
91.4%	51.8	51.8	0.0	0.1%
92.6%	51.7	51.7	0.0	0.0%
93.8%	51.7	51.6	-0.1	-0.1%
95.1%	51.4	51.3	-0.1	-0.2%
96.3%	51.1	51.2	0.0	0.1%
97.5%	50.3	50.3	-0.1	-0.1%
98.8%	49.7	49.7	0.0	0.1%
100.0%	49.7	49.7	0.0	0.1%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	70.2	67.1	-3.2	-4.5%
1.2%	67.7	66.4	-1.3	-1.9%
2.5%	67.4	65.8	-1.6	-2.3%
3.7%	67.0	65.7	-1.2	-1.8%
4.9%	66.0	65.6	-0.4	-0.6%
6.2%	65.9	65.3	-0.5	-0.8%
7.4%	65.7	65.1	-0.6	-1.0%
8.6%	65.6	65.0	-0.6	-0.8%
9.9%	65.4	65.0	-0.4	-0.6%
11.1%	65.1	64.8	-0.3	-0.4%
12.3%	64.8	64.6	-0.2	-0.3%
13.6%	64.6	64.4	-0.3	-0.4%
14.8%	64.5	64.3	-0.2	-0.3%
16.0%	64.2	64.0	-0.3	-0.4%
17.3%	63.8	63.9	0.1	0.2%
18.5%	63.8	63.8	0.0	0.0%
19.8%	63.6	63.6	0.0	0.0%
21.0%	63.6	63.6	0.0	0.0%
22.2%	63.5	63.4	-0.1	-0.1%
23.5%	63.4	63.3	-0.1	-0.1%
24.7%	63.3	63.2	-0.1	-0.1%
25.9%	63.3	63.1	-0.2	-0.3%
27.2%	63.2	62.8	-0.3	-0.6%
28.4%	63.1	62.8	-0.3	-0.5%
29.6%	63.0	62.8	-0.2	-0.4%
30.9%	63.0	62.8	-0.2	-0.3%
32.1%	62.9	62.7	-0.2	-0.3%
33.3%	62.9	62.6	-0.3	-0.4%
34.6%	62.8	62.5	-0.3	-0.5%
35.8%	62.7	62.4	-0.4	-0.6%
37.0%	62.6	62.3	-0.3	-0.5%
38.3%	62.6	62.2	-0.3	-0.5%
39.5%	62.4	62.2	-0.2	-0.3%
40.7%	62.2	62.2	0.0	-0.1%
42.0%	62.2	62.2	0.0	0.0%
43.2%	62.1	62.2	0.0	0.0%
44.4%	62.1	62.1	0.0	0.0%
45.7%	62.1	62.1	-0.1	-0.1%
46.9%	62.1	62.0	-0.1	-0.1%
48.1%	62.0	61.7	-0.3	-0.4%
49.4%	61.9	61.7	-0.2	-0.3%
50.6%	61.7	61.6	0.0	-0.1%
51.9%	61.6	61.5	-0.1	-0.1%
53.1%	61.6	61.4	-0.2	-0.2%
54.3%	61.5	61.4	-0.2	-0.2%
55.6%	61.2	61.3	0.1	0.2%
56.8%	61.1	61.1	0.0	0.0%
58.0%	61.0	61.0	0.0	0.0%
59.3%	61.0	61.0	0.0	0.0%
60.5%	61.0	61.0	0.0	0.0%
61.7%	60.9	61.0	0.1	0.1%
63.0%	60.9	60.9	0.0	0.0%
64.2%	60.4	60.4	0.0	0.1%
65.4%	60.3	60.2	-0.2	-0.3%
66.7%	60.1	60.1	-0.1	-0.1%
67.9%	60.1	60.0	0.0	-0.1%
69.1%	60.0	59.9	-0.1	-0.1%
70.4%	59.9	59.9	0.0	0.0%
71.6%	59.8	59.8	-0.1	-0.1%
72.8%	59.8	59.7	-0.1	-0.2%
74.1%	59.8	59.6	-0.2	-0.3%
75.3%	59.8	59.5	-0.3	-0.5%
76.5%	59.6	59.3	-0.2	-0.4%
77.8%	59.4	59.1	-0.3	-0.4%
79.0%	59.3	59.1	-0.3	-0.5%
80.2%	59.1	59.0	-0.2	-0.3%
81.5%	59.1	58.9	-0.2	-0.3%
82.7%	59.0	58.9	-0.1	-0.2%
84.0%	59.0	58.6	-0.4	-0.6%
85.2%	58.9	58.5	-0.3	-0.5%
86.4%	58.7	58.5	-0.2	-0.3%
87.7%	58.5	58.2	-0.3	-0.5%
88.9%	58.2	58.2	0.0	0.0%
90.1%	58.2	58.2	0.0	0.0%
91.4%	57.9	58.0	0.1	0.2%
92.6%	57.9	57.9	0.0	0.0%
93.8%	57.8	57.8	0.0	0.0%
95.1%	57.5	57.5	0.0	0.0%
96.3%	56.2	56.3	0.0	0.1%
97.5%	56.1	56.1	0.0	0.0%
98.8%	56.0	56.1	0.0	0.0%
100.0%	56.0	56.1	0.0	0.0%

Table SQ9-1b

American River below Nimbus Dam, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	71.4	70.9	-0.5	-0.6%
1.2%	70.7	69.7	-1.0	-1.4%
2.5%	69.8	69.1	-0.7	-1.0%
3.7%	69.7	68.7	-0.9	-1.3%
4.9%	69.1	68.3	-0.8	-1.2%
6.2%	69.0	68.2	-0.8	-1.2%
7.4%	68.9	67.9	-1.0	-1.4%
8.6%	68.7	67.8	-0.9	-1.3%
9.9%	68.7	67.7	-1.0	-1.4%
11.1%	68.6	67.5	-1.1	-1.6%
12.3%	68.5	67.4	-1.1	-1.7%
13.6%	68.4	67.1	-1.3	-1.9%
14.8%	68.4	67.0	-1.3	-1.9%
16.0%	68.3	67.0	-1.3	-1.9%
17.3%	68.3	67.0	-1.3	-1.9%
18.5%	68.2	67.0	-1.2	-1.8%
19.8%	68.0	66.9	-1.0	-1.5%
21.0%	67.9	66.9	-1.0	-1.4%
22.2%	67.9	66.8	-1.0	-1.5%
23.5%	67.8	66.7	-1.0	-1.5%
24.7%	67.6	66.7	-0.9	-1.4%
25.9%	67.6	66.7	-0.9	-1.3%
27.2%	67.6	66.7	-0.9	-1.4%
28.4%	67.6	66.7	-0.9	-1.3%
29.6%	67.5	66.6	-0.9	-1.4%
30.9%	67.5	66.6	-0.9	-1.4%
32.1%	67.4	66.5	-0.9	-1.3%
33.3%	67.4	66.5	-0.9	-1.3%
34.6%	67.3	66.4	-0.9	-1.3%
35.8%	67.3	66.4	-0.9	-1.3%
37.0%	67.3	66.4	-0.9	-1.3%
38.3%	67.2	66.4	-0.8	-1.2%
39.5%	67.1	66.4	-0.7	-1.1%
40.7%	67.1	66.4	-0.7	-1.1%
42.0%	67.0	66.3	-0.7	-1.0%
43.2%	67.0	66.3	-0.7	-1.0%
44.4%	66.9	66.1	-0.8	-1.2%
45.7%	66.8	66.1	-0.7	-1.1%
46.9%	66.5	65.9	-0.7	-1.0%
48.1%	66.5	65.7	-0.8	-1.2%
49.4%	66.4	65.6	-0.8	-1.2%
50.6%	66.4	65.6	-0.8	-1.3%
51.9%	66.1	65.5	-0.5	-0.8%
53.1%	66.0	65.4	-0.6	-1.0%
54.3%	66.0	65.3	-0.7	-1.0%
55.6%	65.9	65.1	-0.8	-1.2%
56.8%	65.9	65.1	-0.8	-1.2%
58.0%	65.8	65.0	-0.9	-1.3%
59.3%	65.6	64.9	-0.6	-1.0%
60.5%	65.3	64.9	-0.4	-0.6%
61.7%	65.2	64.8	-0.4	-0.7%
63.0%	65.1	64.6	-0.5	-0.7%
64.2%	65.0	64.6	-0.4	-0.7%
65.4%	64.9	64.4	-0.5	-0.8%
66.7%	64.8	64.2	-0.6	-1.0%
67.9%	64.3	64.1	-0.2	-0.2%
69.1%	64.1	63.9	-0.2	-0.2%
70.4%	63.8	63.8	0.0	0.0%
71.6%	63.7	63.8	0.0	0.0%
72.8%	63.7	63.8	0.0	0.1%
74.1%	63.7	63.6	-0.1	-0.1%
75.3%	63.6	63.6	-0.1	-0.1%
76.5%	63.6	63.5	-0.1	-0.2%
77.8%	63.4	63.5	0.0	0.1%
79.0%	63.4	63.4	0.0	0.1%
80.2%	63.3	63.4	0.1	0.2%
81.5%	63.3	63.1	-0.2	-0.3%
82.7%	63.1	62.8	-0.3	-0.4%
84.0%	62.8	62.6	-0.2	-0.2%
85.2%	62.6	62.4	-0.2	-0.3%
86.4%	62.4	62.1	-0.3	-0.5%
87.7%	62.1	62.1	0.0	0.0%
88.9%	61.9	61.7	-0.2	-0.4%
90.1%	61.7	61.4	-0.3	-0.5%
91.4%	61.6	61.3	-0.4	-0.6%
92.6%	61.6	61.2	-0.4	-0.6%
93.8%	61.4	61.0	-0.3	-0.6%
95.1%	61.4	60.8	-0.6	-1.0%
96.3%	61.2	60.8	-0.4	-0.7%
97.5%	60.8	60.5	-0.3	-0.5%
98.8%	60.7	60.3	-0.5	-0.8%
100.0%	60.7	60.3	-0.5	-0.8%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	73.7	73.4	-0.3	-0.4%
1.2%	73.5	70.1	-3.5	-4.7%
2.5%	72.8	69.7	-3.1	-4.2%
3.7%	72.8	69.7	-3.1	-4.3%
4.9%	71.6	69.3	-2.3	-3.2%
6.2%	71.0	68.8	-2.1	-3.0%
7.4%	70.6	68.8	-1.7	-2.5%
8.6%	70.4	68.1	-2.3	-3.3%
9.9%	70.0	68.0	-2.0	-2.8%
11.1%	69.9	68.0	-1.9	-2.7%
12.3%	69.8	67.8	-2.1	-3.0%
13.6%	69.8	67.7	-2.1	-3.0%
14.8%	69.8	67.6	-2.1	-3.0%
16.0%	69.6	67.6	-2.0	-2.9%
17.3%	69.5	67.4	-2.0	-2.9%
18.5%	69.4	66.9	-2.5	-3.6%
19.8%	69.1	66.9	-2.2	-3.2%
21.0%	69.1	66.9	-2.2	-3.2%
22.2%	69.0	66.8	-2.1	-3.1%
23.5%	68.9	66.8	-2.1	-3.0%
24.7%	68.7	66.8	-1.9	-2.8%
25.9%	68.7	66.8	-1.9	-2.7%
27.2%	68.7	66.8	-1.9	-2.7%
28.4%	68.7	66.8	-1.9	-2.8%
29.6%	68.7	66.7	-1.9	-2.8%
30.9%	68.6	66.7	-1.9	-2.8%
32.1%	68.6	66.7	-1.9	-2.7%
33.3%	68.4	66.7	-1.8	-2.6%
34.6%	68.4	66.7	-1.7	-2.6%
35.8%	68.3	66.5	-1.8	-2.7%
37.0%	68.2	66.4	-1.9	-2.7%
38.3%	68.2	66.3	-1.9	-2.8%
39.5%	68.2	66.3	-1.9	-2.8%
40.7%	68.1	66.3	-1.9	-2.7%
42.0%	68.1	66.1	-1.9	-2.9%
43.2%	68.0	66.1	-1.9	-2.8%
44.4%	67.8	66.0	-1.7	-2.6%
45.7%	67.7	65.9	-1.8	-2.6%
46.9%	67.7	65.9	-1.8	-2.6%
48.1%	67.5	65.8	-1.7	-2.6%
49.4%	67.5	65.8	-1.7	-2.5%
50.6%	67.5	65.8	-1.7	-2.5%
51.9%	67.5	65.6	-1.8	-2.7%
53.1%	67.3	65.6	-1.7	-2.5%
54.3%	67.2	65.6	-1.6	-2.4%
55.6%	67.2	65.5	-1.7	-2.5%
56.8%	67.2	65.4	-1.8	-2.7%
58.0%	66.9	65.3	-1.6	-2.4%
59.3%	66.7	65.2	-1.5	-2.3%
60.5%	66.7	65.2	-1.5	-2.3%
61.7%	66.6	65.0	-1.5	-2.3%
63.0%	66.5	64.8	-1.7	-2.5%
64.2%	66.4	64.8	-1.6	-2.4%
65.4%	66.3	64.6	-1.7	-2.6%
66.7%	66.3	64.6	-1.7	-2.6%
67.9%	66.2	64.5	-1.6	-2.5%
69.1%	66.1	64.5	-1.6	-2.4%
70.4%	66.1	64.5	-1.6	-2.4%
71.6%	66.1	64.4	-1.7	-2.6%
72.8%	66.1	64.3	-1.7	-2.6%
74.1%	65.8	64.3	-1.5	-2.3%
75.3%	65.8	64.2	-1.6	-2.4%
76.5%	65.7	64.1	-1.6	-2.5%
77.8%	65.5	64.0	-1.5	-2.3%
79.0%	65.5	64.0	-1.5	-2.3%
80.2%	65.5	64.0	-1.5	-2.3%
81.5%	65.5	63.9	-1.6	-2.4%
82.7%	65.4	63.9	-1.5	-2.3%
84.0%	65.4	63.9	-1.5	-2.3%
85.2%	65.4	63.9	-1.5	-2.3%
86.4%	65.3	63.7	-1.6	-2.4%
87.7%	65.2	63.7	-1.5	-2.3%
88.9%	65.1	63.7	-1.4	-2.2%
90.1%	65.1	63.7	-1.4	-2.2%
91.4%	65.0	63.6	-1.4	-2.2%
92.6%	65.0	63.5	-1.5	-2.3%
93.8%	64.8	63.5	-1.3	-2.0%
95.1%	64.6	63.4	-1.2	-1.9%
96.3%	64.6	63.3	-1.3	-1.9%
97.5%	63.9	63.3	-0.7	-1.0%
98.8%	63.7	63.2	-0.5	-0.8%
100.0%	63.7	63.2	-0.5	-0.8%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	72.6	73.6	1.0	1.4%
1.2%	72.2	69.0	-3.1	-4.4%
2.5%	70.1	68.6	-1.5	-2.1%
3.7%	68.9	68.0	-1.0	-1.4%
4.9%	68.6	67.6	-1.0	-1.5%
6.2%	68.5	67.6	-0.9	-1.4%
7.4%	67.6	67.5	-0.1	-0.1%
8.6%	67.5	67.3	-0.1	-0.2%
9.9%	67.3	67.2	-0.1	-0.2%
11.1%	66.9	67.2	0.2	0.3%
12.3%	66.8	67.0	0.2	0.2%
13.6%	66.8	66.9	0.1	0.2%
14.8%	66.8	66.9	0.1	0.2%
16.0%	66.7	66.9	0.2	0.3%
17.3%	66.7	66.8	0.1	0.2%
18.5%	66.6	66.5	-0.1	-0.1%
19.8%	66.6	66.5	-0.1	-0.1%
21.0%	66.6	66.4	-0.1	-0.2%
22.2%	66.5	66.4	-0.1	-0.1%
23.5%	66.5	66.3	-0.1	-0.2%
24.7%	66.4	66.3	-0.1	-0.2%
25.9%	66.4	66.3	-0.1	-0.2%
27.2%	66.4	66.3	-0.2	-0.3%
28.4%	66.4	66.1	-0.3	-0.4%
29.6%	66.4	66.1	-0.3	-0.5%
30.9%	66.3	66.0	-0.3	-0.4%
32.1%	66.3	66.0	-0.3	-0.4%
33.3%	66.3	66.0	-0.3	-0.5%
34.6%	66.2	65.9	-0.3	-0.5%
35.8%	66.2	65.9	-0.3	-0.5%
37.0%	66.2	65.9	-0.3	-0.5%
38.3%	66.2	65.9	-0.3	-0.5%
39.5%	66.2	65.9	-0.3	-0.5%
40.7%	66.2	65.9	-0.3	-0.5%
42.0%	66.1	65.8	-0.3	-0.4%
43.2%	66.1	65.8	-0.3	-0.4%
44.4%	66.1	65.8	-0.3	-0.4%
45.7%	66.0	65.8	-0.2	-0.4%
46.9%	66.0	65.7	-0.3	-0.5%
48.1%	66.0	65.6	-0.4	-0.5%
49.4%	66.0	65.6	-0.3	-0.5%
50.6%	65.9	65.6	-0.3	-0.5%
51.9%	65.9	65.6	-0.3	-0.5%
53.1%	65.9	65.6	-0.3	-0.5%
54.3%	65.9	65.5	-0.4	-0.6%
55.6%	65.8	65.5	-0.3	-0.5%
56.8%	65.8	65.5	-0.3	-0.5%
58.0%	65.7	65.5	-0.2	-0.3%
59.3%	65.6	65.5	-0.2	-0.2%
60.5%	65.6	65.4	-0.2	-0.3%
61.7%	65.5	65.4	-0.1	-0.2%
63.0%	65.5	65.4	-0.1	-0.2%
64.2%	65.4	65.3	-0.1	-0.2%
65.4%	65.4	65.3	-0.1	-0.1%
66.7%	65.4	65.3	-0.1	-0.1%
67.9%	65.3	65.3	0.0	0.0%
69.1%	65.2	65.3	0.0	0.1%
70.4%	65.1	65.2	0.2	0.3%
71.6%	64.8	65.2	0.4	0.7%
72.8%	64.7	65.2	0.4	0.7%
74.1%	64.7	65.1	0.4	0.6%
75.3%	64.7	65.1	0.4	0.7%
76.5%	64.6	65.1	0.5	0.7%
77.8%	64.6	65.1	0.5	0.8%
79.0%	64.5	65.1	0.6	0.9%
80.2%	64.5	65.1	0.6	0.9%
81.5%	64.4	65.0	0.6	0.9%
82.7%	64.4	65.0	0.6	0.9%
84.0%	64.4	65.0	0.6	0.9%
85.2%	64.2	65.0	0.8	1.2%
86.4%	64.2	64.9	0.8	1.2%
87.7%	64.0	64.9	0.9	1.5%
88.9%	63.9	64.9	0.9	1.4%
90.1%	63.9	64.8	0.9	1.4%
91.4%	63.9	64.7	0.8	1.3%
92.6%	63.8	64.6	0.8	1.3%
93.8%	63.7	64.6	0.8	1.3%
95.1%	63.7	64.5	0.7	1.2%
96.3%	63.6	64.4	0.9	1.3%
97.5%	63.5	64.3	0.7	1.2%
98.8%	63.3	64.2	0.9	1.3%
100.0%	63.3	64.2	0.9	1.3%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	73.8	73.9	0.1	0.2%
1.2%	71.2	69.4	-1.9	-2.6%
2.5%	70.7	69.3	-1.4	-2.0%
3.7%	70.0	69.0	-0.9	-1.3%
4.9%	69.9	68.9	-1.0	-1.4%
6.2%	69.9	68.8	-1.2	-1.7%
7.4%	69.8	68.7	-1.2	-1.7%
8.6%	69.8	68.6	-1.2	-1.7%
9.9%	69.8	68.6	-1.2	-1.7%
11.1%	69.6	68.6	-1.0	-1.5%
12.3%	69.2	68.5	-0.7	-1.0%
13.6%	69.1	68.4	-0.7	-1.0%
14.8%	68.8	68.3	-0.5	-0.7%
16.0%	68.8	68.3	-0.5	-0.7%
17.3%	68.8	68.3	-0.5	-0.7%
18.5%	68.7	68.2	-0.6	-0.8%
19.8%	68.7	68.1	-0.6	-0.8%
21.0%	68.6	68.1	-0.5	-0.7%
22.2%	68.6	68.1	-0.5	-0.7%
23.5%	68.5	68.0	-0.5	-0.8%
24.7%	68.5	67.9	-0.6	-0.8%
25.9%	68.5	67.9	-0.6	-0.8%
27.2%	68.5	67.9	-0.6	-0.9%
28.4%	68.5	67.9	-0.6	-0.8%
29.6%	68.4	67.9	-0.5	-0.8%
30.9%	68.4	67.9	-0.5	-0.8%
32.1%	68.4	67.8	-0.6	-0.8%
33.3%	68.4	67.8	-0.6	-0.8%
34.6%	68.3	67.8	-0.6	-0.8%
35.8%	68.3	67.7	-0.6	-0.8%
37.0%	68.3	67.7	-0.6	-0.9%
38.3%	68.3	67.6	-0.6	-0.9%
39.5%	68.2	67.6	-0.6	-0.9%
40.7%	68.2	67.6	-0.6	-0.9%
42.0%	68.2	67.6	-0.6	-0.9%
43.2%	68.2	67.6	-0.6	-0.9%
44.4%	68.1	67.4	-0.7	-1.0%
45.7%	68.1	67.4	-0.7	-1.0%
46.9%	68.1	67.4	-0.7	-1.0%
48.1%	68.0	67.4	-0.7	-1.0%
49.4%	68.0	67.4	-0.6	-0.9%
50.6%	68.0	67.3	-0.6	-0.9%
51.9%	67.9	67.3	-0.6	-0.9%
53.1%	67.9	67.3	-0.6	-0.8%
54.3%	67.8	67.3	-0.5	-0.7%
55.6%	67.8	67.3	-0.5	-0.7%
56.8%	67.8	67.3	-0.5	-0.7%
58.0%	67.7	67.3	-0.5	-0.7%
59.3%	67.7	67.3	-0.5	-0.7%
60.5%	67.7	67.2	-0.5	-0.7%
61.7%	67.7	67.2	-0.5	-0.7%
63.0%	67.7	67.2	-0.5	-0.7%
64.2%	67.7	67.2	-0.5	-0.7%
65.4%	67.7	67.2	-0.5	-0.8%
66.7%	67.7	67.1	-0.6	-0.9%
67.9%	67.7	67.1	-0.6	-0.9%
69.1%	67.7	67.0	-0.6	-0.9%
70.4%	67.6	67.0	-0.6	-0.9%
71.6%	67.6	67.0	-0.7	-1.0%
72.8%	67.6	66.9	-0.7	-1.0%
74.1%	67.6	66.9	-0.7	-1.0%
75.3%	67.6	66.9	-0.7	-1.0%
76.5%	67.5	66.9	-0.7	-1.0%
77.8%	67.5	66.8	-0.6	-0.9%
79.0%	67.5	66.8	-0.6	-0.9%
80.2%	67.5	66.8	-0.6	-0.9%
81.5%	67.4	66.8	-0.6	-1.0%
82.7%	67.4	66.8	-0.7	-1.0%
84.0%	67.4	66.7	-0.7	-1.0%
85.2%	67.3	66.7	-0.6	-0.9%
86.4%	67.3	66.7	-0.7	-1.0%
87.7%	67.3	66.6	-0.6	-1.0%
88.9%	67.2	66.6	-0.6	-0.9%
90.1%	67.1	66.5	-0.5	-0.8%
91.4%	67.0	66.4	-0.7	-1.0%
92.6%	67.0	66.3	-0.7	-1.0%
93.8%	66.9	66.1	-0.7	-1.1%
95.1%	66.5	66.1	-0.4	-0.7%
96.3%	66.3	65.9	-0.4	-0.6%
97.5%	66.2	65.8	-0.4	-0.6%
98.8%	65.9	65.7	-0.2	-0.3%
100.0%	65.9	65.7	-0.2	-0.3%

Table SQ9-1b

American River below Nimbus Dam, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	71.7	73.0	1.2	1.7%
1.2%	70.9	68.7	-2.2	-3.1%
2.5%	70.5	68.6	-1.9	-2.8%
3.7%	70.2	68.6	-1.6	-2.3%
4.9%	69.4	68.5	-0.9	-1.3%
6.2%	69.3	68.5	-0.9	-1.3%
7.4%	69.1	68.2	-0.9	-1.3%
8.6%	68.7	67.9	-0.8	-1.1%
9.9%	68.4	67.9	-0.6	-0.8%
11.1%	68.3	67.6	-0.6	-0.9%
12.3%	68.1	67.4	-0.7	-1.0%
13.6%	68.1	67.2	-0.8	-1.2%
14.8%	68.0	67.1	-0.9	-1.3%
16.0%	68.0	67.0	-1.0	-1.4%
17.3%	67.9	67.0	-1.0	-1.4%
18.5%	67.9	66.8	-1.1	-1.7%
19.8%	67.9	66.8	-1.1	-1.6%
21.0%	67.5	66.8	-0.7	-1.1%
22.2%	67.4	66.7	-0.8	-1.2%
23.5%	67.2	66.6	-0.6	-0.9%
24.7%	67.2	66.5	-0.7	-1.0%
25.9%	67.2	66.5	-0.7	-1.0%
27.2%	67.1	66.3	-0.9	-1.3%
28.4%	67.1	66.3	-0.9	-1.3%
29.6%	67.1	66.2	-0.9	-1.3%
30.9%	67.0	66.2	-0.8	-1.3%
32.1%	67.0	66.1	-0.9	-1.4%
33.3%	67.0	66.1	-0.9	-1.3%
34.6%	66.9	66.0	-0.8	-1.2%
35.8%	66.9	66.0	-0.9	-1.3%
37.0%	66.8	66.0	-0.8	-1.3%
38.3%	66.8	65.9	-0.9	-1.3%
39.5%	66.8	65.9	-0.9	-1.3%
40.7%	66.8	65.9	-0.9	-1.3%
42.0%	66.7	65.9	-0.9	-1.3%
43.2%	66.7	65.9	-0.8	-1.2%
44.4%	66.6	65.9	-0.8	-1.2%
45.7%	66.6	65.8	-0.8	-1.2%
46.9%	66.5	65.8	-0.7	-1.1%
48.1%	66.5	65.8	-0.7	-1.1%
49.4%	66.5	65.7	-0.7	-1.1%
50.6%	66.4	65.7	-0.7	-1.1%
51.9%	66.4	65.7	-0.6	-1.0%
53.1%	66.4	65.7	-0.6	-1.0%
54.3%	66.3	65.7	-0.6	-0.9%
55.6%	66.3	65.7	-0.6	-1.0%
56.8%	66.3	65.7	-0.6	-1.0%
58.0%	66.3	65.7	-0.7	-1.0%
59.3%	66.3	65.6	-0.7	-1.0%
60.5%	66.3	65.6	-0.6	-0.9%
61.7%	66.2	65.6	-0.6	-0.9%
63.0%	66.2	65.6	-0.6	-0.9%
64.2%	66.2	65.6	-0.6	-0.9%
65.4%	66.2	65.6	-0.6	-0.9%
66.7%	66.2	65.6	-0.6	-0.9%
67.9%	66.1	65.6	-0.6	-0.9%
69.1%	66.1	65.5	-0.6	-0.9%
70.4%	66.1	65.5	-0.6	-0.9%
71.6%	66.0	65.5	-0.6	-0.8%
72.8%	66.0	65.5	-0.6	-0.9%
74.1%	66.0	65.4	-0.6	-0.9%
75.3%	66.0	65.4	-0.6	-1.0%
76.5%	66.0	65.3	-0.7	-1.0%
77.8%	66.0	65.3	-0.7	-1.0%
79.0%	65.9	65.2	-0.7	-1.0%
80.2%	65.8	65.2	-0.6	-0.9%
81.5%	65.8	65.2	-0.7	-1.0%
82.7%	65.8	65.1	-0.7	-1.1%
84.0%	65.8	65.1	-0.7	-1.1%
85.2%	65.8	65.0	-0.8	-1.1%
86.4%	65.8	65.0	-0.7	-1.1%
87.7%	65.8	65.0	-0.8	-1.2%
88.9%	65.7	65.0	-0.7	-1.1%
90.1%	65.7	64.9	-0.7	-1.1%
91.4%	65.6	64.9	-0.7	-1.0%
92.6%	65.6	64.9	-0.7	-1.1%
93.8%	65.6	64.8	-0.8	-1.2%
95.1%	65.5	64.8	-0.8	-1.2%
96.3%	65.5	64.7	-0.7	-1.1%
97.5%	65.4	64.6	-0.7	-1.1%
98.8%	64.7	64.6	-0.1	-0.2%
100.0%	64.6	64.2	-0.4	-0.6%

July to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	73.2	73.6	0.5	0.7%
1.2%	71.2	68.8	-2.5	-3.4%
2.5%	70.5	68.6	-1.9	-2.7%
3.7%	70.4	68.5	-1.9	-2.6%
4.9%	69.5	68.5	-1.0	-1.5%
6.2%	69.5	68.4	-1.0	-1.5%
7.4%	68.9	68.3	-0.7	-1.0%
8.6%	68.7	68.2	-0.5	-0.7%
9.9%	68.6	68.1	-0.6	-0.8%
11.1%	68.6	67.8	-0.8	-1.2%
12.3%	68.5	67.6	-0.9	-1.3%
13.6%	68.4	67.6	-0.7	-1.1%
14.8%	68.4	67.3	-1.0	-1.5%
16.0%	68.2	67.3	-0.9	-1.4%
17.3%	68.1	67.3	-0.8	-1.2%
18.5%	68.0	67.2	-0.8	-1.1%
19.8%	68.0	67.2	-0.8	-1.1%
21.0%	67.9	67.0	-0.9	-1.3%
22.2%	67.9	66.9	-0.9	-1.3%
23.5%	67.8	66.9	-0.9	-1.3%
24.7%	67.8	66.9	-0.9	-1.3%
25.9%	67.8	66.8	-1.0	-1.4%
27.2%	67.5	66.8	-0.7	-1.1%
28.4%	67.5	66.7	-0.8	-1.1%
29.6%	67.5	66.7	-0.7	-1.1%
30.9%	67.4	66.6	-0.8	-1.2%
32.1%	67.4	66.5	-0.8	-1.3%
33.3%	67.4	66.5	-0.8	-1.2%
34.6%	67.2	66.5	-0.7	-1.1%
35.8%	67.2	66.5	-0.7	-1.1%
37.0%	67.2	66.5	-0.7	-1.1%
38.3%	67.1	66.4	-0.7	-1.0%
39.5%	67.1	66.4	-0.7	-1.0%
40.7%	67.1	66.4	-0.7	-1.0%
42.0%	67.1	66.4	-0.6	-1.0%
43.2%	67.0	66.4	-0.6	-0.9%
44.4%	67.0	66.4	-0.6	-0.9%
45.7%	67.0	66.4	-0.6	-0.9%
46.9%	66.9	66.3	-0.6	-0.9%
48.1%	66.9	66.3	-0.7	-1.0%
49.4%	66.9	66.2	-0.7	-1.0%
50.6%	66.9	66.2	-0.7	-1.0%
51.9%	66.8	66.1	-0.8	-1.2%
53.1%	66.8	65.9	-0.9	-1.3%
54.3%	66.8	65.9	-0.9	-1.4%
55.6%	66.8	65.9	-0.9	-1.4%
56.8%	66.7	65.8	-0.9	-1.3%
58.0%	66.7	65.8	-0.9	-1.4%
59.3%	66.7	65.7	-0.9	-1.4%
60.5%	66.6	65.7	-0.9	-1.3%
61.7%	66.6	65.7	-0.8	-1.2%
63.0%	66.5	65.7	-0.8	-1.2%
64.2%	66.5	65.7	-0.8	-1.2%
65.4%	66.5	65.7	-0.8	-1.2%
66.7%	66.5	65.7	-0.8	-1.3%
67.9%	66.5	65.7	-0.8	-1.2%
69.1%	66.5	65.6	-0.8	-1.2%
70.4%	66.5	65.6	-0.8	-1.2%
71.6%	66.4	65.6	-0.8	-1.2%
72.8%	66.4	65.6	-0.8	-1.2%
74.1%	66.4	65.6	-0.8	-1.2%
75.3%	66.4	65.6	-0.8	-1.2%
76.5%	66.4	65.6	-0.8	-1.2%
77.8%	66.3	65.5	-0.8	-1.2%
79.0%	66.3	65.5	-0.8	-1.2%
80.2%	66.3	65.5	-0.8	-1.2%
81.5%	66.2	65.5	-0.8	-1.1%
82.7%	66.2	65.5	-0.7	-1.1%
84.0%	66.1	65.4	-0.7	-1.1%
85.2%	66.1	65.4	-0.7	-1.1%
86.4%	66.1	65.3	-0.8	-1.2%
87.7%	66.1	65.3	-0.8	-1.1%
88.9%	66.0	65.3	-0.7	-1.1%
90.1%	66.0	65.3	-0.7	-1.1%
91.4%	65.9	65.3	-0.6	-0.9%
92.6%	65.8	65.2	-0.6	-0.9%
93.8%	65.8	65.2	-0.6	-0.9%
95.1%	65.7	65.2	-0.5	-0.8%
96.3%	65.7	65.2	-0.5	-0.8%
97.5%	65.6	65.1	-0.5	-0.8%
98.8%	65.5	65.1	-0.4	-0.6%
100.0%	65.4	65.0	-0.4	-0.6%

August to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	73.0	73.8	0.8	1.1%
1.2%	71.3	69.2	-2.1	-2.9%
2.5%	70.0	68.8	-1.2	-1.7%
3.7%	69.4	68.4	-0.9	-1.4%
4.9%	69.3	68.3	-0.9	-1.4%
6.2%	69.2	68.1	-1.1	-1.6%
7.4%	69.1	67.9	-1.1	-1.7%
8.6%	68.4	67.8	-0.5	-0.8%
9.9%	67.9	67.8	-0.1	-0.2%
11.1%	67.7	67.6	-0.1	-0.1%
12.3%	67.7	67.6	-0.1	-0.1%
13.6%	67.7	67.6	-0.1	-0.1%
14.8%	67.6	67.4	-0.2	-0.3%
16.0%	67.6	67.4	-0.2	-0.2%
17.3%	67.6	67.4	-0.2	-0.2%
18.5%	67.5	67.4	-0.1	-0.2%
19.8%	67.4	67.4	-0.1	-0.1%
21.0%	67.4	67.1	-0.3	-0.5%
22.2%	67.3	67.1	-0.2	-0.3%
23.5%	67.3	67.0	-0.3	-0.4%
24.7%	67.2	67.0	-0.2	-0.4%
25.9%	67.2	67.0	-0.2	-0.4%
27.2%	67.2	67.0	-0.2	-0.3%
28.4%	67.2	67.0	-0.2	-0.3%
29.6%	67.2	66.9	-0.3	-0.4%
30.9%	67.2	66.9	-0.3	-0.4%
32.1%	67.1	66.8	-0.3	-0.4%
33.3%	67.1	66.8	-0.3	-0.5%
34.6%	67.1	66.8	-0.3	-0.4%
35.8%	67.1	66.8	-0.3	-0.4%
37.0%	67.1	66.8	-0.3	-0.4%
38.3%	67.0	66.8	-0.3	-0.4%
39.5%	67.0	66.7	-0.3	-0.4%
40.7%	67.0	66.7	-0.3	-0.4%
42.0%	67.0	66.7	-0.3	-0.5%
43.2%	67.0	66.7	-0.3	-0.5%
44.4%	67.0	66.7	-0.3	-0.5%
45.7%	67.0	66.7	-0.3	-0.5%
46.9%	67.0	66.6	-0.3	-0.5%
48.1%	67.0	66.6	-0.4	-0.5%
49.4%	66.9	66.6	-0.4	-0.5%
50.6%	66.9	66.6	-0.4	-0.5%
51.9%	66.9	66.5	-0.3	-0.5%
53.1%	66.8	66.5	-0.3	-0.4%
54.3%	66.8	66.5	-0.3	-0.5%
55.6%	66.7	66.4	-0.3	-0.5%
56.8%	66.7	66.4	-0.3	-0.5%
58.0%	66.6	66.4	-0.3	-0.4%
59.3%	66.6	66.4	-0.3	-0.4%
60.5%	66.6	66.4	-0.3	-0.4%
61.7%	66.6	66.3	-0.3	-0.5%
63.0%	66.6	66.3	-0.3	-0.4%
64.2%	66.5	66.3	-0.2	-0.3%
65.4%	66.5	66.2	-0.2	-0.4%
66.7%	66.5	66.2	-0.3	-0.4%
67.9%	66.5	66.2	-0.3	-0.4%
69.1%	66.4	66.1	-0.2	-0.4%
70.4%	66.4	66.1	-0.2	-0.4%
71.6%	66.4	66.1	-0.3	-0.4%
72.8%	66.3	66.1	-0.2	-0.3%
74.1%	66.3	66.1	-0.2	-0.3%
75.3%	66.3	66.1	-0.2	-0.3%
76.5%	66.2	66.0	-0.2	-0.3%
77.8%	66.2	66.0	-0.2	-0.3%
79.0%	66.2	66.0	-0.2	-0.2%
80.2%	66.2	66.0	-0.2	-0.3%
81.5%	66.1	66.0	-0.1	-0.2%
82.7%	66.1	65.9	-0.2	-0.3%
84.0%	66.1	65.9	-0.2	-0.3%
85.2%	66.1	65.8	-0.3	-0.4%
86.4%	66.0	65.8	-0.2	-0.4%
87.7%	66.0	65.7	-0.3	-0.4%
88.9%	66.0	65.7	-0.3	-0.4%
90.1%	65.9	65.7	-0.2	-0.4%
91.4%	65.9	65.6	-0.2	-0.3%
92.6%	65.8	65.6	-0.2	-0.4%
93.8%	65.8	65.5	-0.3	-0.5%
95.1%	65.8	65.5	-0.3	-0.5%
96.3%	65.7	65.4	-0.2	-0.4%
97.5%	65.6	65.3	-0.3	-0.4%
98.8%	65.4	65.2	-0.2	-0.3%
100.0%	65.4	65.2	-0.2	-0.4%

Figure SQ10-1b
American River at Watt Avenue, Monthly Temperature
Probability of Exceedance

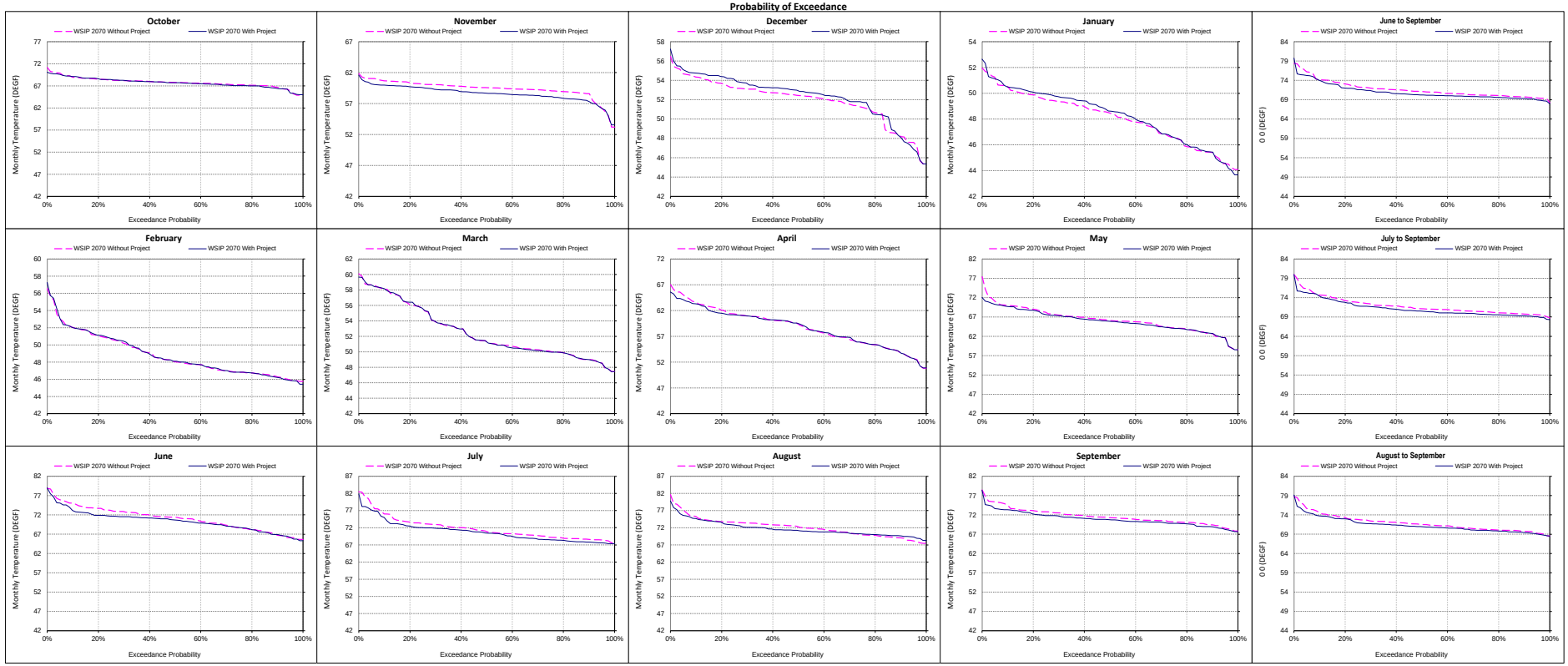


Table SQ10-1b

American River at Watt Avenue, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	71.2	70.1	-1.1	-1.5%
1.2%	70.3	69.8	-0.4	-0.6%
2.5%	70.1	69.7	-0.4	-0.5%
3.7%	70.0	69.7	-0.3	-0.4%
4.9%	69.9	69.6	-0.3	-0.4%
6.2%	69.4	69.3	0.0	-0.1%
7.4%	69.3	69.2	-0.1	-0.1%
8.6%	69.3	69.2	-0.1	-0.1%
9.9%	69.0	69.1	0.2	0.2%
11.1%	68.9	69.1	0.2	0.3%
12.3%	68.9	69.0	0.1	0.2%
13.6%	68.8	68.8	0.0	0.1%
14.8%	68.8	68.8	0.0	0.0%
16.0%	68.7	68.8	0.1	0.1%
17.3%	68.7	68.8	0.1	0.1%
18.5%	68.6	68.8	0.2	0.2%
19.8%	68.5	68.6	0.1	0.1%
21.0%	68.5	68.5	0.0	0.0%
22.2%	68.5	68.4	0.0	0.0%
23.5%	68.4	68.4	0.0	0.1%
24.7%	68.3	68.4	0.1	0.2%
25.9%	68.3	68.4	0.1	0.1%
27.2%	68.2	68.3	0.1	0.2%
28.4%	68.2	68.3	0.1	0.1%
29.6%	68.2	68.3	0.1	0.1%
30.9%	68.2	68.2	0.0	0.0%
32.1%	68.2	68.1	-0.1	-0.1%
33.3%	68.2	68.1	-0.1	-0.1%
34.6%	68.1	68.1	-0.1	-0.1%
35.8%	68.1	68.1	-0.1	-0.1%
37.0%	68.1	68.0	-0.1	-0.1%
38.3%	68.1	68.0	-0.1	-0.1%
39.5%	68.0	68.0	-0.1	-0.1%
40.7%	68.0	68.0	0.0	0.0%
42.0%	67.9	67.9	0.0	0.0%
43.2%	67.9	67.9	0.0	0.0%
44.4%	67.9	67.9	0.0	0.0%
45.7%	67.9	67.8	0.0	0.0%
46.9%	67.8	67.7	-0.1	-0.2%
48.1%	67.8	67.7	-0.1	-0.1%
49.4%	67.8	67.7	-0.1	-0.1%
50.6%	67.8	67.7	-0.1	-0.1%
51.9%	67.8	67.7	-0.1	-0.1%
53.1%	67.7	67.7	-0.1	-0.1%
54.3%	67.7	67.6	-0.1	-0.1%
55.6%	67.7	67.6	-0.1	-0.1%
56.8%	67.6	67.6	-0.1	-0.1%
58.0%	67.6	67.5	-0.1	-0.1%
59.3%	67.6	67.5	-0.1	-0.2%
60.5%	67.6	67.5	-0.1	-0.2%
61.7%	67.6	67.4	-0.2	-0.2%
63.0%	67.6	67.4	-0.2	-0.2%
64.2%	67.6	67.4	-0.2	-0.3%
65.4%	67.5	67.4	-0.2	-0.2%
66.7%	67.4	67.3	-0.1	-0.1%
67.9%	67.4	67.2	-0.2	-0.3%
69.1%	67.4	67.2	-0.2	-0.3%
70.4%	67.4	67.2	-0.2	-0.3%
71.6%	67.3	67.1	-0.2	-0.3%
72.8%	67.3	67.1	-0.2	-0.3%
74.1%	67.3	67.1	-0.2	-0.3%
75.3%	67.2	67.1	-0.2	-0.3%
76.5%	67.2	67.0	-0.2	-0.3%
77.8%	67.2	67.0	-0.2	-0.2%
79.0%	67.1	67.0	-0.1	-0.2%
80.2%	67.1	67.0	-0.1	-0.2%
81.5%	67.1	67.0	-0.1	-0.2%
82.7%	67.1	67.0	-0.1	-0.1%
84.0%	67.0	66.8	-0.3	-0.4%
85.2%	67.0	66.7	-0.3	-0.5%
86.4%	67.0	66.7	-0.3	-0.5%
87.7%	67.0	66.6	-0.4	-0.6%
88.9%	66.8	66.5	-0.3	-0.4%
90.1%	66.6	66.4	-0.3	-0.4%
91.4%	66.5	66.4	-0.1	-0.2%
92.6%	66.3	66.3	0.1	0.1%
93.8%	66.3	66.3	0.0	0.0%
95.1%	65.8	65.4	-0.5	-0.7%
96.3%	65.2	65.3	0.1	0.1%
97.5%	64.9	65.1	0.2	0.3%
98.8%	64.9	65.0	0.1	0.2%
100.0%	64.9	65.0	0.0	0.2%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.8	61.6	-0.3	-0.4%
1.2%	61.3	60.9	-0.4	-0.7%
2.5%	61.1	60.5	-0.6	-0.9%
3.7%	61.1	60.5	-0.6	-1.0%
4.9%	61.0	60.2	-0.9	-1.4%
6.2%	61.0	60.1	-1.0	-1.6%
7.4%	60.9	60.0	-0.8	-1.3%
8.6%	60.8	60.0	-0.8	-1.3%
9.9%	60.7	60.0	-0.7	-1.2%
11.1%	60.6	60.0	-0.7	-1.1%
12.3%	60.6	59.9	-0.7	-1.1%
13.6%	60.6	59.9	-0.7	-1.1%
14.8%	60.6	59.9	-0.7	-1.1%
16.0%	60.5	59.9	-0.7	-1.1%
17.3%	60.5	59.8	-0.7	-1.2%
18.5%	60.5	59.8	-0.7	-1.2%
19.8%	60.4	59.7	-0.6	-1.1%
21.0%	60.3	59.7	-0.6	-0.9%
22.2%	60.2	59.7	-0.6	-1.0%
23.5%	60.2	59.6	-0.6	-1.0%
24.7%	60.2	59.6	-0.6	-1.0%
25.9%	60.1	59.5	-0.6	-1.0%
27.2%	60.1	59.4	-0.6	-1.1%
28.4%	60.1	59.4	-0.7	-1.1%
29.6%	60.1	59.3	-0.8	-1.3%
30.9%	60.0	59.2	-0.8	-1.3%
32.1%	60.0	59.2	-0.8	-1.4%
33.3%	60.0	59.2	-0.8	-1.3%
34.6%	59.9	59.2	-0.7	-1.2%
35.8%	59.9	59.2	-0.7	-1.1%
37.0%	59.9	59.2	-0.7	-1.2%
38.3%	59.8	59.1	-0.7	-1.2%
39.5%	59.8	59.0	-0.8	-1.4%
40.7%	59.8	58.9	-0.9	-1.4%
42.0%	59.7	58.9	-0.8	-1.4%
43.2%	59.7	58.9	-0.8	-1.3%
44.4%	59.6	58.8	-0.8	-1.4%
45.7%	59.6	58.8	-0.8	-1.4%
46.9%	59.6	58.7	-0.9	-1.5%
48.1%	59.6	58.7	-0.9	-1.4%
49.4%	59.6	58.7	-0.9	-1.5%
50.6%	59.6	58.7	-0.9	-1.5%
51.9%	59.5	58.7	-0.9	-1.5%
53.1%	59.5	58.6	-0.9	-1.5%
54.3%	59.5	58.6	-0.9	-1.5%
55.6%	59.5	58.6	-0.9	-1.5%
56.8%	59.5	58.6	-0.9	-1.5%
58.0%	59.4	58.5	-0.9	-1.4%
59.3%	59.4	58.5	-0.9	-1.6%
60.5%	59.4	58.4	-0.9	-1.6%
61.7%	59.3	58.4	-0.9	-1.6%
63.0%	59.3	58.4	-0.9	-1.6%
64.2%	59.3	58.4	-0.9	-1.6%
65.4%	59.3	58.4	-0.9	-1.6%
66.7%	59.3	58.4	-0.9	-1.5%
67.9%	59.3	58.3	-0.9	-1.5%
69.1%	59.2	58.3	-0.9	-1.6%
70.4%	59.2	58.3	-0.9	-1.6%
71.6%	59.2	58.2	-1.0	-1.8%
72.8%	59.1	58.2	-1.0	-1.7%
74.1%	59.1	58.1	-1.0	-1.7%
75.3%	59.0	58.1	-0.9	-1.5%
76.5%	59.0	58.0	-1.0	-1.8%
77.8%	59.0	58.0	-1.0	-1.7%
79.0%	59.0	57.9	-1.0	-1.8%
80.2%	58.9	57.8	-1.1	-1.9%
81.5%	58.9	57.8	-1.1	-1.9%
82.7%	58.9	57.8	-1.1	-1.9%
84.0%	58.8	57.7	-1.1	-1.9%
85.2%	58.8	57.7	-1.1	-1.9%
86.4%	58.7	57.6	-1.1	-1.8%
87.7%	58.7	57.6	-1.1	-1.9%
88.9%	58.6	57.5	-1.1	-1.9%
90.1%	58.6	57.3	-1.3	-2.2%
91.4%	57.5	57.0	-0.5	-0.9%
92.6%	57.0	57.0	-0.1	-0.1%
93.8%	56.7	56.5	-0.2	-0.3%
95.1%	56.2	56.2	0.0	-0.1%
96.3%	55.7	55.9	0.2	0.4%
97.5%	55.0	55.1	0.1	0.1%
98.8%	53.2	53.6	0.4	0.7%
100.0%	53.2	53.6	0.4	0.7%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.5	57.2	0.8	1.3%
1.2%	55.4	56.0	0.6	1.0%
2.5%	55.3	55.5	0.2	0.4%
3.7%	55.1	55.5	0.3	0.6%
4.9%	54.7	55.1	0.4	0.8%
6.2%	54.6	55.0	0.3	0.6%
7.4%	54.6	54.8	0.3	0.5%
8.6%	54.5	54.8	0.3	0.5%
9.9%	54.3	54.8	0.4	0.8%
11.1%	54.3	54.7	0.4	0.8%
12.3%	54.2	54.7	0.5	0.9%
13.6%	54.1	54.6	0.6	1.0%
14.8%	54.0	54.5	0.5	0.9%
16.0%	53.8	54.5	0.7	1.2%
17.3%	53.8	54.5	0.7	1.3%
18.5%	53.7	54.5	0.8	1.4%
19.8%	53.7	54.4	0.7	1.3%
21.0%	53.6	54.4	0.7	1.4%
22.2%	53.4	54.2	0.8	1.4%
23.5%	53.3	54.2	0.9	1.7%
24.7%	53.3	54.2	0.9	1.7%
25.9%	53.2	53.9	0.7	1.3%
27.2%	53.2	53.8	0.7	1.2%
28.4%	53.1	53.8	0.6	1.2%
29.6%	53.1	53.7	0.6	1.2%
30.9%	53.1	53.5	0.4	0.8%
32.1%	53.1	53.5	0.4	0.8%
33.3%	53.1	53.4	0.3	0.6%
34.6%	52.9	53.3	0.4	0.7%
35.8%	52.8	53.3	0.5	0.9%
37.0%	52.8	53.3	0.5	1.0%
38.3%	52.8	53.3	0.5	1.0%
39.5%	52.7	53.2	0.5	1.0%
40.7%	52.7	53.2	0.5	1.0%
42.0%	52.7	53.2	0.5	1.0%
43.2%	52.7	53.2	0.5	1.0%
44.4%	52.6	53.2	0.5	1.0%
45.7%	52.6	53.1	0.6	1.1%
46.9%	52.5	53.0	0.5	1.0%
48.1%	52.5	53.0	0.5	1.0%
49.4%	52.5	53.0	0.5	1.0%
50.6%	52.4	52.9	0.4	0.8%
51.9%	52.4	52.8	0.4	0.8%
53.1%	52.4	52.8	0.4	0.8%
54.3%	52.3	52.7	0.4	0.8%
55.6%	52.3	52.7	0.4	0.8%
56.8%	52.2	52.7	0.5	0.9%
58.0%	52.2	52.6	0.4	0.9%
59.3%	52.1	52.6	0.4	0.8%
60.5%	52.0	52.4	0.4	0.8%
61.7%	52.0	52.4	0.4	0.8%
63.0%	51.9	52.4	0.5	0.9%
64.2%	51.9	52.4	0.5	1.0%
65.4%	51.9	52.3	0.4	0.8%
66.7%	51.8	52.3	0.5	0.9%
67.9%	51.6	52.1	0.5	1.0%
69.1%	51.6	51.9	0.3	0.6%
70.4%	51.5	51.8	0.3	0.6%
71.6%	51.4	51.8	0.4	0.8%
72.8%	51.4	51.8	0.4	0.8%
74.1%	51.3	51.8	0.5	1.0%
75.3%	51.2	51.7	0.5	1.0%
76.5%	51.1	51.7	0.6	1.2%
77.8%	51.0	51.1	0.1	0.1%
79.0%	50.7	50.5	-0.2	-0.4%
80.2%	50.7	50.5	-0.2	-0.4%
81.5%	50.6	50.4	-0.1	-0.2%
82.7%	50.5	50.4	-0.1	-0.2%
84.0%	48.9	50.3	1.4	2.9%
85.2%	48.6	50.2	1.6	3.3%
86.4%	48.6	48.9	0.3	0.7%
87.7%	48.5	48.8	0.2	0.4%
88.9%	48.4	48.4	-0.1	-0.2%
90.1%	48.2	48.1	-0.1	-0.3%
91.4%	48.1	47.7	-0.5	-1.0%
92.6%	47.6	47.5	-0.1	-0.2%
93.8%	47.6	47.3	-0.3	-0.7%
95.1%	47.6	46.8	-0.7	-1.5%
96.3%	47.2	46.6	-0.6	-1.2%
97.5%	45.7	45.7	0.0	0.1%
98.8%	45.4	45.4	0.0	0.0%
100.0%	45.4	45.4	0.0	0.0%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.0	52.6	0.7	1.3%
1.2%	51.7	52.3	0.6	1.3%
2.5%	51.6	51.3	-0.3	-0.6%
3.7%	51.4	51.2	-0.2	-0.3%
4.9%	51.3	51.1	-0.1	-0.2%
6.2%	50.6	51.0	0.4	0.8%
7.4%	50.6	50.9	0.3	0.6%
8.6%	50.6	50.6	0.0	0.0%
9.9%	50.5	50.5	-0.1	-0.1%
11.1%	50.2	50.5	0.2	0.5%
12.3%	50.2	50.4	0.2	0.5%
13.6%	50.1	50.4	0.3	0.5%
14.8%	50.0	50.4	0.3	0.6%
16.0%	50.0	50.3	0.3	0.6%
17.3%	50.0	50.2	0.3	0.5%
18.5%	49.9	50.1	0.2	0.5%
19.8%	49.9	50.1	0.2	0.4%
21.0%	49.9	50.0	0.2	0.3%
22.2%	49.7	50.0	0.3	0.7%
23.5%	49.6	50.0	0.4	0.7%
24.7%	49.5	50.0	0.5	0.9%
25.9%	49.5	49.9	0.4	0.9%
27.2%	49.5	49.9	0.4	0.8%
28.4%	49.4	49.8	0.4	0.7%
29.6%	49.4	49.7	0.4	0.8%
30.9%	49.3	49.7	0.4	0.7%
32.1%	49.3	49.7	0.3	0.7%
33.3%	49.2	49.6	0.4	0.8%
34.6%	49.2	49.6	0.4	0.8%
35.8%	49.2	49.6	0.3	0.7%
37.0%	49.0	49.4	0.4	0.8%
38.3%	49.0	49.4	0.4	0.8%
39.5%	49.0	49.4	0.4	0.8%
40.7%	48.9	49.4	0.5	1.1%
42.0%	48.7	49.2	0.4	0.9%
43.2%	48.7	49.1	0.4	0.9%
44.4%	48.7	49.1	0.4	0.9%
45.7%	48.6	49.0	0.3	0.7%
46.9%	48.6	48.9	0.3	0.7%
48.1%	48.6	48.8	0.2	0.5%
49.4%	48.5	48.6	0.1	0.2%
50.6%	48.4	48.6	0.2	0.4%
51.9%	48.3	48.6	0.2	0.5%
53.1%	48.1	48.6	0.4	0.9%
54.3%	48.1	48.5	0.4	0.7%
55.6%	48.1	48.5	0.4	0.8%
56.8%	47.9	48.2	0.3	0.6%
58.0%	47.8	48.2	0.4	0.8%
59.3%	47.8	48.1	0.3	0.7%
60.5%	47.8	47.9	0.2	0.3%
61.7%	47.7	47.8	0.1	0.2%
63.0%	47.7	47.8	0.1	0.2%
64.2%	47.5	47.6	0.1	0.3%
65.4%	47.4	47.6	0.2	0.4%
66.7%	47.4	47.4	0.1	0.1%
67.9%	47.3	47.3	0.0	0.0%
69.1%	46.9	47.0	0.1	0.3%
70.4%	46.9	46.9	0.0	0.0%
71.6%	46.8	46.8	0.0	0.1%
72.8%	46.7	46.8	0.1	0.2%
74.1%	46.6	46.6	0.1	0.1%
75.3%	46.5	46.6	0.0	0.1%
76.5%	46.5	46.5	0.0	-0.1%
77.8%	46.3	46.4	0.0	0.0%
79.0%	45.9	46.1	0.2	0.3%
80.2%	45.8	46.0	0.1	0.3%
81.5%	45.8	45.8	0.0	0.0%
82.7%	45.7	45.8	0.1	0.2%
84.0%	45.6	45.8	0.3	0.6%
85.2%	45.5	45.6	0.1	0.1%
86.4%	45.5	45.6	0.1	0.2%
87.7%	45.4	45.5	0.0	0.1%
88.9%	45.4	45.5	0.0	0.0%
90.1%	45.4	45.4	0.0	0.1%
91.4%	45.1	45.0	-0.1	-0.3%
92.6%	45.0	44.8	-0.2	-0.4%
93.8%	44.6	44.6	0.1	0.2%
95.1%	44.5	44.6	0.0	0.0%
96.3%	44.5	44.2	-0.3	-0.7%
97.5%	44.2	44.0	-0.2	-0.4%
98.8%	44.1	43.7	-0.4	-0.9%
100.0%	44.1	43.7	-0.4	-0.9%

Table SQ10-1b

American River at Watt Avenue, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.6	57.3	0.7	1.2%
1.2%	55.7	55.7	0.1	0.2%
2.5%	55.2	55.4	0.2	0.4%
3.7%	53.6	54.2	0.6	1.2%
4.9%	53.0	53.1	0.0	0.1%
6.2%	52.7	52.4	-0.4	-0.7%
7.4%	52.2	52.3	0.1	0.1%
8.6%	52.2	52.2	0.0	0.0%
9.9%	52.0	52.0	0.0	0.0%
11.1%	51.9	51.9	0.0	0.0%
12.3%	51.9	51.9	0.0	0.0%
13.6%	51.8	51.8	0.1	0.1%
14.8%	51.8	51.8	0.0	0.0%
16.0%	51.7	51.6	-0.1	-0.2%
17.3%	51.2	51.4	0.2	0.3%
18.5%	51.2	51.2	0.0	0.1%
19.8%	51.0	51.1	0.1	0.2%
21.0%	51.0	51.1	0.1	0.3%
22.2%	50.9	51.0	0.1	0.3%
23.5%	50.8	50.9	0.1	0.2%
24.7%	50.7	50.8	0.1	0.2%
25.9%	50.6	50.7	0.1	0.2%
27.2%	50.5	50.6	0.1	0.1%
28.4%	50.5	50.5	0.0	0.1%
29.6%	50.2	50.5	0.2	0.5%
30.9%	50.1	50.3	0.2	0.4%
32.1%	49.9	50.0	0.1	0.2%
33.3%	49.7	49.9	0.2	0.4%
34.6%	49.7	49.7	0.0	-0.1%
35.8%	49.5	49.6	0.2	0.3%
37.0%	49.3	49.3	0.0	0.0%
38.3%	49.1	49.1	0.0	0.0%
39.5%	49.1	49.0	-0.1	-0.2%
40.7%	49.1	48.8	-0.3	-0.6%
42.0%	48.6	48.6	0.0	0.0%
43.2%	48.5	48.5	0.0	0.1%
44.4%	48.4	48.5	0.1	0.2%
45.7%	48.3	48.3	0.0	0.0%
46.9%	48.3	48.3	0.0	0.0%
48.1%	48.2	48.3	0.0	0.0%
49.4%	48.1	48.1	0.0	0.0%
50.6%	48.0	48.1	0.1	0.2%
51.9%	48.0	48.0	0.0	0.1%
53.1%	47.9	48.0	0.1	0.3%
54.3%	47.9	48.0	0.1	0.3%
55.6%	47.8	47.8	0.0	0.1%
56.8%	47.8	47.8	0.0	0.1%
58.0%	47.7	47.8	0.1	0.1%
59.3%	47.7	47.7	0.0	0.1%
60.5%	47.7	47.7	0.0	-0.1%
61.7%	47.4	47.5	0.0	0.1%
63.0%	47.4	47.4	0.0	0.1%
64.2%	47.3	47.3	0.1	0.1%
65.4%	47.2	47.3	0.1	0.2%
66.7%	47.1	47.3	0.2	0.4%
67.9%	47.1	47.1	0.1	0.1%
69.1%	47.0	47.0	0.0	0.0%
70.4%	47.0	47.0	0.0	0.0%
71.6%	46.9	46.8	-0.1	-0.2%
72.8%	46.9	46.8	0.0	0.0%
74.1%	46.8	46.8	0.0	0.0%
75.3%	46.8	46.8	0.0	0.0%
76.5%	46.8	46.8	0.0	0.0%
77.8%	46.8	46.8	0.0	0.1%
79.0%	46.8	46.8	0.0	0.0%
80.2%	46.7	46.7	0.0	0.0%
81.5%	46.7	46.7	0.0	0.0%
82.7%	46.6	46.6	0.0	0.0%
84.0%	46.6	46.5	-0.1	-0.2%
85.2%	46.6	46.5	-0.1	-0.1%
86.4%	46.6	46.4	-0.2	-0.4%
87.7%	46.4	46.3	-0.1	-0.2%
88.9%	46.4	46.3	-0.1	-0.3%
90.1%	46.3	46.2	-0.1	-0.2%
91.4%	46.2	46.2	-0.1	-0.2%
92.6%	46.1	46.0	-0.1	-0.2%
93.8%	46.0	45.9	-0.1	-0.2%
95.1%	45.9	45.9	0.0	-0.1%
96.3%	45.9	45.8	0.0	-0.1%
97.5%	45.8	45.8	0.0	-0.1%
98.8%	45.8	45.4	-0.3	-0.7%
100.0%	45.8	45.4	-0.3	-0.7%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.1	59.6	-0.4	-0.7%
1.2%	59.8	59.6	-0.1	-0.2%
2.5%	58.8	59.0	0.3	0.5%
3.7%	58.7	58.7	0.0	0.0%
4.9%	58.6	58.6	0.0	0.0%
6.2%	58.6	58.4	-0.2	-0.3%
7.4%	58.4	58.4	0.0	0.0%
8.6%	58.2	58.3	0.0	0.0%
9.9%	58.2	58.2	0.0	0.0%
11.1%	58.1	57.9	-0.2	-0.3%
12.3%	57.6	57.7	0.1	0.2%
13.6%	57.4	57.6	0.2	0.4%
14.8%	57.4	57.4	0.1	0.1%
16.0%	57.2	57.2	0.0	0.0%
17.3%	56.5	56.6	0.1	0.1%
18.5%	56.4	56.4	0.0	0.0%
19.8%	56.1	56.4	0.3	0.5%
21.0%	56.0	56.4	0.4	0.7%
22.2%	55.9	56.0	0.0	0.0%
23.5%	55.9	55.8	-0.1	-0.1%
24.7%	55.6	55.7	0.1	0.1%
25.9%	55.3	55.3	0.0	0.0%
27.2%	55.1	55.2	0.1	0.1%
28.4%	54.1	54.1	0.0	0.0%
29.6%	54.0	54.0	0.0	0.0%
30.9%	53.7	53.7	0.0	0.0%
32.1%	53.6	53.7	0.1	0.2%
33.3%	53.5	53.5	0.0	0.0%
34.6%	53.3	53.5	0.2	0.3%
35.8%	53.3	53.4	0.0	0.1%
37.0%	53.3	53.3	0.0	-0.1%
38.3%	53.0	53.0	0.0	0.0%
39.5%	53.0	53.0	0.0	0.0%
40.7%	53.0	52.9	0.0	0.0%
42.0%	52.3	52.3	0.1	0.1%
43.2%	52.0	52.0	0.0	0.0%
44.4%	51.8	51.8	0.0	0.0%
45.7%	51.5	51.5	0.0	0.0%
46.9%	51.5	51.5	0.0	0.1%
48.1%	51.4	51.5	0.0	0.0%
49.4%	51.4	51.4	0.0	0.0%
50.6%	51.1	51.1	0.0	0.0%
51.9%	51.1	51.0	0.0	-0.1%
53.1%	51.0	51.0	0.0	-0.1%
54.3%	50.9	50.9	-0.1	-0.1%
55.6%	50.9	50.8	-0.1	-0.1%
56.8%	50.8	50.8	0.0	0.0%
58.0%	50.8	50.6	-0.2	-0.5%
59.3%	50.8	50.6	-0.2	-0.5%
60.5%	50.7	50.5	-0.2	-0.4%
61.7%	50.6	50.5	-0.2	-0.3%
63.0%	50.4	50.4	0.0	0.0%
64.2%	50.4	50.4	0.0	-0.1%
65.4%	50.4	50.3	-0.1	-0.2%
66.7%	50.4	50.3	-0.1	-0.2%
67.9%	50.3	50.2	-0.1	-0.1%
69.1%	50.3	50.2	-0.1	-0.2%
70.4%	50.3	50.2	-0.1	-0.2%
71.6%	50.2	50.1	-0.1	-0.1%
72.8%	50.1	50.1	-0.1	-0.1%
74.1%	50.1	50.0	-0.1	-0.3%
75.3%	50.0	50.0	0.0	-0.1%
76.5%	50.0	50.0	0.0	0.0%
77.8%	50.0	49.9	0.0	0.0%
79.0%	49.9	49.9	0.0	0.0%
80.2%	49.9	49.9	0.0	0.0%
81.5%	49.7	49.7	0.0	0.1%
82.7%	49.6	49.6	0.0	0.1%
84.0%	49.5	49.5	-0.1	-0.1%
85.2%	49.2	49.2	0.0	0.1%
86.4%	49.1	49.2	0.1	0.1%
87.7%	49.0	49.0	0.0	0.0%
88.9%	49.0	49.0	0.0	0.0%
90.1%	49.0	49.0	0.0	-0.1%
91.4%	49.0	48.9	-0.1	-0.2%
92.6%	48.8	48.9	0.1	0.1%
93.8%	48.6	48.6	0.1	0.1%
95.1%	48.6	48.5	0.0	-0.1%
96.3%	47.9	48.0	0.1	0.2%
97.5%	47.8	47.8	0.0	-0.1%
98.8%	47.4	47.4	0.0	0.0%
100.0%	47.4	47.4	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.0	65.6	-1.5	-2.2%
1.2%	66.1	65.2	-0.8	-1.2%
2.5%	65.6	64.3	-1.3	-1.9%
3.7%	65.6	64.3	-1.3	-1.9%
4.9%	65.1	64.1	-1.0	-1.5%
6.2%	64.6	63.8	-0.8	-1.3%
7.4%	64.3	63.6	-0.6	-0.9%
8.6%	63.8	63.3	-0.4	-0.7%
9.9%	63.7	63.3	-0.4	-0.7%
11.1%	63.2	63.2	0.0	0.0%
12.3%	63.2	62.9	-0.3	-0.5%
13.6%	63.0	62.8	-0.2	-0.3%
14.8%	62.8	62.1	-0.7	-1.2%
16.0%	62.7	61.8	-0.9	-1.4%
17.3%	62.6	61.7	-0.9	-1.4%
18.5%	62.5	61.6	-0.9	-1.5%
19.8%	62.1	61.5	-0.6	-1.0%
21.0%	62.0	61.4	-0.6	-1.0%
22.2%	61.6	61.2	-0.3	-0.5%
23.5%	61.4	61.2	-0.2	-0.3%
24.7%	61.4	61.2	-0.2	-0.3%
25.9%	61.3	61.1	-0.1	-0.2%
27.2%	61.1	61.1	0.0	-0.1%
28.4%	61.1	61.0	0.0	-0.1%
29.6%	61.0	61.0	0.0	0.0%
30.9%	61.0	60.9	0.0	0.0%
32.1%	60.9	60.8	0.0	0.0%
33.3%	60.8	60.8	0.0	0.0%
34.6%	60.8	60.5	-0.2	-0.4%
35.8%	60.6	60.4	-0.2	-0.4%
37.0%	60.5	60.2	-0.2	-0.4%
38.3%	60.2	60.2	0.0	0.1%
39.5%	60.1	60.2	0.1	0.1%
40.7%	60.1	60.2	0.1	0.2%
42.0%	60.0	60.1	0.1	0.2%
43.2%	60.0	60.1	0.1	0.1%
44.4%	59.9	60.0	0.1	0.2%
45.7%	59.9	60.0	0.1	0.2%
46.9%	59.8	59.8	-0.1	-0.1%
48.1%	59.6	59.6	0.0	0.0%
49.4%	59.5	59.6	0.0	0.0%
50.6%	59.1	59.4	0.2	0.4%
51.9%	58.9	59.1	0.2	0.3%
53.1%	58.4	58.8	0.4	0.7%
54.3%	58.3	58.3	0.0	-0.1%
55.6%	58.3	58.1	-0.2	-0.3%
56.8%	58.0	58.1	0.1	0.1%
58.0%	57.9	58.0	0.1	0.2%
59.3%	57.7	57.9	0.2	0.3%
60.5%	57.6	57.7	0.1	0.1%
61.7%	57.4	57.7	0.2	0.4%
63.0%	57.1	57.4	0.3	0.6%
64.2%	56.9	57.1	0.1	0.2%
65.4%	56.9	56.9	0.0	0.1%
66.7%	56.9	56.9	0.0	0.0%
67.9%	56.8	56.9	0.1	0.1%
69.1%	56.8	56.8	0.0	0.1%
70.4%	56.3	56.8	0.5	0.9%
71.6%	56.2	56.2	0.0	0.0%
72.8%	55.9	55.9	0.0	0.0%
74.1%	55.8	55.9	0.1	0.1%
75.3%	55.7	55.8	0.1	0.1%
76.5%	55.6	55.6	0.0	0.0%
77.8%	55.5	55.5	0.0	0.0%
79.0%	55.4	55.5	0.1	0.1%
80.2%	55.4	55.4	0.0	0.0%
81.5%	55.3	55.3	0.0	0.0%
82.7%	55.0	55.0	0.0	0.0%
84.0%	54.7	54.8	0.0	0.0%
85.2%	54.6	54.6	-0.1	-0.1%
86.4%	54.5	54.5	0.0	0.0%
87.7%	54.4	54.4	0.0	0.0%
88.9%	54.1	54.2	0.0	0.1%
90.1%	53.8	53.7	0.0	-0.1%
91.4%	53.5	53.6	0.0	0.0%
92.6%	53.2	53.2	0.0	0.0%
93.8%	52.9	52.8	-0.1	-0.1%
95.1%	52.7	52.7	0.0	0.0%
96.3%	52.5	52.4	-0.1	-0.2%
97.5%	51.3	51.3	-0.1	-0.1%
98.8%	50.8	50.9	0.0	0.1%
100.0%	50.8	50.9	0.0	0.1%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	77.4	72.1	-5.4	-6.9%
1.2%	74.2	71.1	-3.1	-4.2%
2.5%	72.2	70.9	-1.3	-1.8%
3.7%	71.9	70.5	-1.3	-1.8%
4.9%	71.1	70.2	-0.8	-1.2%
6.2%	70.5	70.1	-0.4	-0.5%
7.4%	70.1	70.1	0.0	-0.1%
8.6%	70.1	69.9	-0.2	-0.3%
9.9%	70.0	69.7	-0.2	-0.3%
11.1%	69.9	69.7	-0.3	-0.4%
12.3%	69.9	69.6	-0.2	-0.3%
13.6%	69.8	69.1	-0.6	-0.9%
14.8%	69.7	69.0	-0.7	-1.0%
16.0%	69.5	68.9	-0.6	-0.8%
17.3%	69.4	68.9	-0.5	-0.8%
18.5%	69.1	68.8	-0.3	-0.4%
19.8%	69.0	68.7	-0.3	-0.4%
21.0%	68.9	68.6	-0.3	-0.4%
22.2%	68.7	68.4	-0.2	-0.4%
23.5%	68.4	67.9	-0.5	-0.7%
24.7%	68.3	67.7	-0.6	-0.9%
25.9%	67.8	67.5	-0.4	-0.5%
27.2%	67.8	67.5	-0.3	-0.5%
28.4%	67.6	67.4	-0.2	-0.3%
29.6%	67.5	67.3	-0.2	-0.3%
30.9%	67.4	67.3	-0.2	-0.2%
32.1%	67.3	67.1	-0.2	-0.2%
33.3%	67.2	67.1	-0.1	-0.1%
34.6%	67.1	67.1	-0.1	-0.1%
35.8%	67.1	66.9	-0.3	-0.4%
37.0%	67.1	66.7	-0.4	-0.7%
38.3%	66.9	66.5	-0.4	-0.6%
39.5%	66.9	66.5	-0.4	-0.6%
40.7%	66.9	66.4	-0.5	-0.7%
42.0%	66.6	66.3	-0.4	-0.5%
43.2%	66.6	66.2	-0.4	-0.6%
44.4%	66.6	66.2	-0.4	-0.6%
45.7%	66.5	66.1	-0.3	-0.5%
46.9%	66.3	66.0	-0.3	-0.5%
48.1%	66.3	66.0	-0.3	-0.5%
49.4%	66.1	65.9	-0.2	-0.3%
50.6%	66.1	65.8	-0.2	-0.3%
51.9%	66.0	65.8	-0.2	-0.2%
53.1%	66.0	65.7	-0.2	-0.3%
54.3%	65.9	65.7	-0.2	-0.4%
55.6%	65.9	65.5	-0.4	-0.6%
56.8%	65.9	65.5	-0.4	-0.6%
58.0%	65.8	65.4	-0.4	-0.7%
59.3%	65.8	65.4	-0.4	-0.7%
60.5%	65.7	65.3	-0.4	-0.6%
61.7%	65.7	65.2	-0.5	-0.8%
63.0%	65.6	65.1	-0.5	-0.8%
64.2%	65.5	64.9	-0.6	-0.8%
65.4%	65.4	64.9	-0.5	-0.8%
66.7%	65.4	64.9	-0.5	-0.8%
67.9%	65.1	64.7	-0.4	-0.6%
69.1%	64.7	64.5	-0.2	-0.3%
70.4%	64.5	64.5	-0.1	-0.1%
71.6%	64.5	64.4	-0.1	-0.2%
72.8%	64.3	64.2	-0.1	-0.1%
74.1%	64.2	64.1	-0.1	-0.2%
75.3%	64.1	64.1	-0.1	-0.1%
76.5%	64.1	64.0	-0.1	-0.1%
77.8%	64.1	64.0	0.0	-0.1%
79.0%	64.0	63.9	-0.1	-0.2%
80.2%	63.7	63.7	0.0	0.0%
81.5%	63.7	63.7	0.1	0.1%
82.7%	63.5	63.6	0.1	0.2%
84.0%	63.4	63.4	0.0	0.0%
85.2%	63.1	63.1	0.0	0.0%
86.4%	63.1	63.0	-0.1	-0.2%
87.7%	62.8	63.0	0.2	0.3%
88.9%	62.7	62.8	0.1	0.1%
90.1%	62.7	62.7	0.0	0.1%
91.4%	62.0	62.2	0.3	0.4%
92.6%	62.0	62.0	0.0	0.0%
93.8%	61.7	61.7	0.0	0.0%
95.1%	61.6	61.6	0.0	0.0%
96.3%	59.4	59.4	0.0	0.0%
97.5%	59.0	59.0	0.0	0.0%
98.8%	58.6	58.6	0.0	0.0%
100.0%	58.6	58.6	0.0	0.0%

Table SQ10-1b

American River at Watt Avenue, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	78.9	79.0	0.1	0.2%
1.2%	78.7	77.5	-1.2	-1.6%
2.5%	77.3	76.6	-0.6	-0.8%
3.7%	76.3	75.1	-1.1	-1.5%
4.9%	75.9	75.1	-0.8	-1.1%
6.2%	75.7	74.6	-1.2	-1.6%
7.4%	75.4	74.5	-0.9	-1.1%
8.6%	75.1	74.0	-1.0	-1.4%
9.9%	75.0	73.1	-1.9	-2.5%
11.1%	74.8	72.8	-2.0	-2.7%
12.3%	74.3	72.7	-1.6	-2.2%
13.6%	74.2	72.6	-1.6	-2.1%
14.8%	73.9	72.6	-1.3	-1.8%
16.0%	73.8	72.5	-1.4	-1.8%
17.3%	73.8	72.1	-1.7	-2.3%
18.5%	73.7	71.9	-1.8	-2.5%
19.8%	73.7	71.9	-1.8	-2.4%
21.0%	73.7	71.9	-1.8	-2.4%
22.2%	73.3	71.9	-1.4	-1.9%
23.5%	73.3	71.8	-1.5	-2.1%
24.7%	73.2	71.7	-1.5	-2.1%
25.9%	73.0	71.6	-1.3	-1.8%
27.2%	72.9	71.6	-1.3	-1.8%
28.4%	72.9	71.6	-1.3	-1.8%
29.6%	72.9	71.6	-1.3	-1.8%
30.9%	72.7	71.5	-1.1	-1.6%
32.1%	72.6	71.5	-1.1	-1.5%
33.3%	72.6	71.4	-1.2	-1.7%
34.6%	72.6	71.4	-1.2	-1.7%
35.8%	72.2	71.3	-0.9	-1.3%
37.0%	72.1	71.3	-0.8	-1.1%
38.3%	72.1	71.2	-0.8	-1.1%
39.5%	72.0	71.2	-0.9	-1.2%
40.7%	71.8	71.2	-0.6	-0.9%
42.0%	71.7	71.1	-0.5	-0.7%
43.2%	71.6	71.0	-0.5	-0.8%
44.4%	71.5	71.0	-0.5	-0.7%
45.7%	71.5	71.0	-0.5	-0.7%
46.9%	71.5	71.0	-0.5	-0.7%
48.1%	71.4	70.8	-0.6	-0.9%
49.4%	71.4	70.7	-0.7	-1.0%
50.6%	71.4	70.6	-0.7	-1.0%
51.9%	71.2	70.6	-0.6	-0.9%
53.1%	71.0	70.4	-0.6	-0.9%
54.3%	71.0	70.3	-0.7	-1.0%
55.6%	71.0	70.2	-0.8	-1.1%
56.8%	70.9	70.2	-0.8	-1.1%
58.0%	70.5	70.0	-0.5	-0.7%
59.3%	70.5	69.9	-0.6	-0.9%
60.5%	70.2	69.9	-0.4	-0.5%
61.7%	70.2	69.8	-0.3	-0.5%
63.0%	69.9	69.7	-0.1	-0.2%
64.2%	69.8	69.7	-0.2	-0.2%
65.4%	69.8	69.5	-0.3	-0.5%
66.7%	69.8	69.4	-0.4	-0.5%
67.9%	69.7	69.4	-0.2	-0.3%
69.1%	69.4	69.3	-0.2	-0.2%
70.4%	69.3	69.1	-0.2	-0.3%
71.6%	69.0	69.0	0.0	0.0%
72.8%	68.9	68.9	0.0	0.1%
74.1%	68.7	68.7	0.0	0.0%
75.3%	68.6	68.7	0.1	0.1%
76.5%	68.5	68.6	0.1	0.2%
77.8%	68.5	68.6	0.1	0.1%
79.0%	68.2	68.3	0.1	0.1%
80.2%	68.2	68.1	0.0	-0.1%
81.5%	68.1	68.1	0.0	0.0%
82.7%	67.9	67.6	-0.3	-0.5%
84.0%	67.9	67.6	-0.4	-0.5%
85.2%	67.6	67.5	-0.1	-0.1%
86.4%	67.5	67.4	-0.1	-0.2%
87.7%	67.3	67.0	-0.4	-0.5%
88.9%	67.0	66.9	-0.1	-0.2%
90.1%	66.7	66.9	0.2	0.3%
91.4%	66.7	66.7	0.0	0.1%
92.6%	66.6	66.6	0.0	0.0%
93.8%	66.1	66.5	0.4	0.6%
95.1%	66.1	66.1	0.0	0.0%
96.3%	66.1	65.7	-0.4	-0.6%
97.5%	65.7	65.7	0.0	0.0%
98.8%	65.6	65.3	-0.4	-0.5%
100.0%	65.6	65.3	-0.4	-0.5%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	82.5	81.9	-0.6	-0.7%
1.2%	82.3	78.2	-4.1	-5.0%
2.5%	81.0	78.2	-2.8	-3.4%
3.7%	80.5	77.8	-2.7	-3.4%
4.9%	78.8	77.1	-1.7	-2.1%
6.2%	77.5	76.9	-0.7	-0.9%
7.4%	77.5	76.8	-0.7	-0.9%
8.6%	76.9	75.4	-1.5	-1.9%
9.9%	76.0	75.0	-1.0	-1.3%
11.1%	76.0	74.0	-2.0	-2.7%
12.3%	75.9	73.2	-2.7	-3.5%
13.6%	74.6	73.2	-1.4	-1.9%
14.8%	74.2	73.2	-1.0	-1.4%
16.0%	74.1	73.0	-1.1	-1.4%
17.3%	74.0	72.9	-1.1	-1.5%
18.5%	73.8	72.6	-1.2	-1.7%
19.8%	73.6	72.5	-1.1	-1.5%
21.0%	73.4	72.2	-1.2	-1.6%
22.2%	73.4	72.1	-1.3	-1.8%
23.5%	73.4	72.1	-1.4	-1.8%
24.7%	73.3	72.0	-1.2	-1.7%
25.9%	73.1	72.0	-1.1	-1.6%
27.2%	73.1	72.0	-1.1	-1.5%
28.4%	73.0	72.0	-1.0	-1.4%
29.6%	73.0	71.9	-1.1	-1.5%
30.9%	72.9	71.8	-1.1	-1.5%
32.1%	72.8	71.8	-1.0	-1.4%
33.3%	72.4	71.8	-0.6	-0.9%
34.6%	72.3	71.7	-0.6	-0.9%
35.8%	72.2	71.5	-0.7	-1.0%
37.0%	72.1	71.5	-0.6	-0.9%
38.3%	72.1	71.4	-0.7	-1.0%
39.5%	72.0	71.3	-0.7	-1.0%
40.7%	72.0	71.3	-0.8	-1.0%
42.0%	71.9	71.2	-0.7	-0.9%
43.2%	71.8	71.1	-0.7	-1.0%
44.4%	71.7	70.9	-0.8	-1.1%
45.7%	71.4	70.8	-0.6	-0.8%
46.9%	71.3	70.8	-0.4	-0.6%
48.1%	71.2	70.7	-0.5	-0.7%
49.4%	71.1	70.5	-0.6	-0.8%
50.6%	70.7	70.4	-0.3	-0.4%
51.9%	70.6	70.4	-0.2	-0.3%
53.1%	70.6	70.4	-0.2	-0.3%
54.3%	70.5	70.3	-0.1	-0.2%
55.6%	70.4	70.2	-0.2	-0.3%
56.8%	70.3	70.0	-0.3	-0.5%
58.0%	70.3	69.6	-0.7	-1.0%
59.3%	70.3	69.6	-0.7	-1.0%
60.5%	70.2	69.4	-0.8	-1.2%
61.7%	70.2	69.2	-1.0	-1.4%
63.0%	70.1	69.1	-1.0	-1.4%
64.2%	70.1	69.1	-1.0	-1.4%
65.4%	69.9	69.0	-1.0	-1.4%
66.7%	69.9	68.9	-1.0	-1.4%
67.9%	69.8	68.9	-0.9	-1.3%
69.1%	69.8	68.8	-0.9	-1.3%
70.4%	69.7	68.6	-1.1	-1.5%
71.6%	69.6	68.6	-1.0	-1.4%
72.8%	69.6	68.5	-1.0	-1.5%
74.1%	69.3	68.5	-0.7	-1.1%
75.3%	69.2	68.5	-0.7	-1.0%
76.5%	69.2	68.4	-0.7	-1.1%
77.8%	69.2	68.4	-0.8	-1.2%
79.0%	69.1	68.3	-0.7	-1.1%
80.2%	68.9	68.3	-0.6	-0.8%
81.5%	68.9	68.1	-0.7	-1.1%
82.7%	68.9	68.1	-0.8	-1.2%
84.0%	68.8	68.0	-0.8	-1.2%
85.2%	68.8	67.9	-0.9	-1.3%
86.4%	68.8	67.9	-0.9	-1.3%
87.7%	68.7	67.9	-0.8	-1.1%
88.9%	68.7	67.8	-0.9	-1.2%
90.1%	68.6	67.8	-0.8	-1.2%
91.4%	68.5	67.8	-0.7	-1.1%
92.6%	68.5	67.7	-0.8	-1.2%
93.8%	68.5	67.6	-0.9	-1.2%
95.1%	68.5	67.6	-0.8	-1.2%
96.3%	68.3	67.5	-0.8	-1.2%
97.5%	68.2	67.4	-0.8	-1.2%
98.8%	67.6	67.4	-0.2	-0.3%
100.0%	67.6	67.4	-0.2	-0.3%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	81.7	79.8	-1.8	-2.2%
1.2%	79.1	77.8	-1.2	-1.5%
2.5%	78.9	77.3	-1.6	-2.0%
3.7%	78.1	76.1	-2.0	-2.5%
4.9%	77.2	75.6	-1.6	-2.1%
6.2%	76.4	75.5	-0.9	-1.2%
7.4%	75.7	75.2	-0.4	-0.5%
8.6%	75.5	74.8	-0.7	-1.0%
9.9%	75.3	74.7	-0.6	-0.8%
11.1%	74.7	74.4	-0.3	-0.4%
12.3%	74.6	74.3	-0.4	-0.5%
13.6%	74.3	74.1	-0.2	-0.3%
14.8%	74.2	74.0	-0.2	-0.3%
16.0%	74.0	74.0	-0.1	-0.1%
17.3%	74.0	73.9	-0.1	-0.2%
18.5%	73.9	73.8	-0.1	-0.1%
19.8%	73.8	73.7	-0.1	-0.1%
21.0%	73.7	73.1	-0.6	-0.9%
22.2%	73.7	73.0	-0.7	-1.0%
23.5%	73.7	72.9	-0.8	-1.0%
24.7%	73.7	72.8	-0.9	-1.2%
25.9%	73.5	72.7	-0.8	-1.2%
27.2%	73.5	72.6	-0.9	-1.3%
28.4%	73.4	72.2	-1.2	-1.7%
29.6%	73.4	72.1	-1.3	-1.7%
30.9%	73.4	72.1	-1.2	-1.7%
32.1%	73.3	72.1	-1.2	-1.7%
33.3%	73.3	72.1	-1.2	-1.7%
34.6%	73.1	72.0	-1.1	-1.4%
35.8%	73.1	72.0	-1.0	-1.4%
37.0%	73.0	71.9	-1.1	-1.4%
38.3%	73.0	71.7	-1.3	-1.8%
39.5%	72.9	71.6	-1.3	-1.8%
40.7%	72.8	71.4	-1.4	-1.9%
42.0%	72.8	71.4	-1.4	-1.9%
43.2%	72.8	71.4	-1.4	-1.9%
44.4%	72.7	71.4	-1.4	-1.9%
45.7%	72.7	71.4	-1.3	-1.8%
46.9%	72.6	71.3	-1.3	-1.8%
48.1%	72.6	71.3	-1.3	-1.8%
49.4%	72.4	71.2	-1.2	-1.7%
50.6%	72.1	71.1	-1.0	-1.4%
51.9%	72.0	71.0	-1.0	-1.4%
53.1%	71.9	71.0	-0.9	-1.2%
54.3%	71.9	70.9	-1.0	-1.3%
55.6%	71.8	70.9	-0.9	-1.3%
56.8%	71.7	70.9	-0.9	-1.2%
58.0%	71.7	70.8	-0.8	-1.2%
59.3%	71.6	70.8	-0.8	-1.1%
60.5%	71.4	70.8	-0.7	-0.9%
61.7%	71.3	70.8	-0.5	-0.7%
63.0%	71.1	70.8	-0.4	-0.5%
64.2%	71.1	70.8	-0.4	-0.5%
65.4%	71.1	70.7	-0.4	-0.6%
66.7%	70.8	70.7	-0.1	-0.1%
67.9%	70.7	70.6	-0.1	-0.2%
69.1%	70.7	70.6	-0.1	-0.2%
70.4%	70.4	70.4	-0.1	-0.1%
71.6%	70.2	70.3	0.1	0.1%
72.8%	70.2	70.3	0.1	0.1%
74.1%	70.0	70.2	0.2	0.3%
75.3%	69.9	70.2	0.3	0.4%
76.5%	69.9	70.1	0.2	0.3%
77.8%	69.8	70.1	0.2	0.4%
79.0%	69.8	70.0	0.2	0.3%
80.2%	69.8	70.0	0.3	0.4%
81.5%	69.6	69.9	0.3	0.5%
82.7%	69.4	69.8	0.4	0.6%
84.0%	69.4	69.8	0.4	0.6%
85.2%	69.4	69.8	0.4	0.6%
86.4%	69.3	69.7	0.5	0.7%
87.7%	69.2	69.7	0.5	0.7%
88.9%	69.1	69.7	0.6	0.9%
90.1%	69.0	69.7	0.6	0.9%
91.4%	68.9	69.5	0.6	0.8%
92.6%	68.4	69.4	1.1	1.5%
93.8%	68.3	69.4	1.1	1.6%
95.1%	68.2	69.3	1.2	1.7%
96.3%	67.9	68.9	1.0	1.5%
97.5%	67.6	68.8	1.2	1.8%
98.8%	67.5	68.3	0.9	1.3%
100.0%	67.5	68.3	0.9	1.3%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	78.5	78.4	-0.1	-0.1%
1.2%	76.8	74.6	-2.2	-2.8%
2.5%	75.6	74.5	-1.0	-1.4%
3.7%	75.5	74.3	-1.2	-1.5%
4.9%	75.4	73.6	-1.8	-2.3%
6.2%	75.3	73.5	-1.7	-2.3%
7.4%	75.1	73.4	-1.7	-2.3%
8.6%	74.9	73.4	-1.6	-2.1%
9.9%	74.6	73.3	-1.3	-1.7%
11.1%	73.6	73.2	-0.4	-0.5%
12.3%	73.6	73.1	-0.5	-0.6%
13.6%	73.5	73.1	-0.4	-0.5%
14.8%	73.3	72.9	-0.3	-0.5%
16.0%	73.2	72.7	-0.5	-0.6%
17.3%	73.2	72.6	-0.5	-0.7%
18.5%	73.2	72.5	-0.6	-0.9%
19.8%	73.1	72.2	-0.9	-1.2%
21.0%	73.0	72.1	-0.9	-1.2%
22.2%	72.9	72.0	-0.8	-1.1%
23.5%	72.8	72.0	-0.8	-1.1%
24.7%	72.8	71.8	-1.0	-1.3%
25.9%	72.8	71.8	-1.0	-1.3%
27.2%	72.6	71.8	-0.8	-1.1%
28.4%	72.5	71.8	-0.7	-1.0%
29.6%	72.5	71.7	-0.8	-1.1%
30.9%	72.5	71.5	-0.9	-1.3%
32.1%	72.2	71.4	-0.8	-1.1%
33.3%	72.1	71.4	-0.7	-1.0%
34.6%	72.1	71.4	-0.7	-1.0%
35.8%	71.9	71.4	-0.6	-0.8%
37.0%	71.9	71.2	-0.7	-1.0%
38.3%	71.9	71.2	-0.7	-1.0%
39.5%	71.9	71.1	-0.8	-1.0%
40.7%	71.7	71.1	-0.6	-0.9%
42.0%	71.6	71.1	-0.6	-0.8%
43.2%	71.5	70.9	-0.7	-0.9%
44.4%	71.5	70.9	-0.6	-0.8%
45.7%	71.4	70.8	-0.6	-0.8%
46.9%	71.4	70.8	-0.6	-0.8%
48.1%	71.4	70.8	-0.6	-0.8%
49.4%	71.3	70.8	-0.5	-0.7%
50.6%	71.3	70.7	-0.5	-0.7%
51.9%	71.2	70.7	-0.6	-0.8%
53.1%	71.2	70.7	-0.6	-0.8%
54.3%	71.1	70.5	-0.6	-0.8%
55.6%	71.1	70.4	-0.7	-0.9%
56.8%	71.0	70.3	-0.7	-1.0%
58.0%	70.9	70.3	-0.6	-0.9%
59.3%	70.9	70.3	-0.6	-0.9%
60.5%	70.8	70.3	-0.5	-0.7%
61.7%	70.8	70.2	-0.6	-0.8%
63.0%	70.6	70.2	-0.4	-0.6%
64.2%	70.6	70.2	-0.4	-0.6%
65.4%	70.6	70.2	-0.4	-0.6%
66.7%	70.6	70.2	-0.4	-0.6%
67.9%	70.6	70.2	-0.4	-0.6%
69.1%	70.5	70.1	-0.4	-0.5%
70.4%	70.5	70.1	-0.4	-0.6%
71.6%	70.5	69.9	-0.6	-0.9%
72.8%	70.3	69.8	-0.4	-0.6%
74.1%	70.2	69.8	-0.4	-0.6%
75.3%	70.2	69.8	-0.4	-0.6%
76.5%	70.1	69.8	-0.3	-0.5%
77.8%	70.1	69.8	-0.3	-0.5%
79.0%	70.0	69.8	-0.3	-0.4%
80.2%	70.0	69.7	-0.4	-0.5%
81.5%	70.0	69.6	-0.5	-0.7%
82.7%	70.0	69.5	-0.4	-0.6%
84.0%	69.8	69.1	-0.7	-1.1%
85.2%	69.8	69.0	-0.8	-1.1%
86.4%	69.7	69.0	-0.7	-1.1%
87.7%	69.5	69.0	-0.6	-0.8%
88.9%	69.4	68.9	-0.5	-0.7%
90.1%	69.4	68.9	-0.5	-0.7%
91.4%	69.2	68.8	-0.4	-0.6%
92.6%	69.2	68.5	-0.7	-1.0%
93.8%	68.7	68.5	-0.3	-0.4%
95.1%	68.5	68.2	-0.4	-0.5%
96.3%	68.4	68.1	-0.3	-0.4%
97.5%	68.2	67.9	-0.3	-0.4%
98.8%	67.8	67.7	-0.1	-0.2%
100.0%	67.8	67.7	-0.1	-0.2%

Table SQ10-1b

American River at Watt Avenue, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	78.4	79.8	1.4	1.8%
1.2%	78.3	75.7	-2.6	-3.3%
2.5%	77.3	75.5	-1.8	-2.3%
3.7%	76.9	75.4	-1.5	-1.9%
4.9%	76.2	75.3	-0.9	-1.2%
6.2%	76.1	75.2	-0.9	-1.2%
7.4%	75.7	75.0	-0.8	-1.0%
8.6%	74.3	74.4	0.0	0.0%
9.9%	74.2	74.0	-0.2	-0.3%
11.1%	74.1	73.7	-0.5	-0.6%
12.3%	74.1	73.3	-0.8	-1.0%
13.6%	74.0	73.1	-0.9	-1.2%
14.8%	73.8	73.1	-0.8	-1.0%
16.0%	73.5	73.0	-0.5	-0.7%
17.3%	73.4	72.8	-0.6	-0.8%
18.5%	73.3	72.1	-1.2	-1.6%
19.8%	73.1	72.0	-1.1	-1.5%
21.0%	73.0	71.9	-1.0	-1.4%
22.2%	72.7	71.9	-0.8	-1.1%
23.5%	72.7	71.9	-0.8	-1.1%
24.7%	72.3	71.6	-0.7	-1.0%
25.9%	72.2	71.6	-0.6	-0.9%
27.2%	72.2	71.5	-0.7	-0.9%
28.4%	72.2	71.4	-0.8	-1.1%
29.6%	72.0	71.4	-0.6	-0.9%
30.9%	71.9	71.2	-0.7	-1.0%
32.1%	71.8	71.0	-0.8	-1.2%
33.3%	71.8	71.0	-0.8	-1.2%
34.6%	71.8	71.0	-0.8	-1.2%
35.8%	71.8	71.0	-0.8	-1.1%
37.0%	71.7	70.9	-0.8	-1.1%
38.3%	71.6	70.6	-1.0	-1.4%
39.5%	71.6	70.6	-1.0	-1.4%
40.7%	71.5	70.5	-1.0	-1.4%
42.0%	71.5	70.5	-1.0	-1.4%
43.2%	71.5	70.5	-1.0	-1.4%
44.4%	71.4	70.4	-0.9	-1.3%
45.7%	71.3	70.4	-0.9	-1.3%
46.9%	71.2	70.3	-0.9	-1.2%
48.1%	71.2	70.3	-0.9	-1.2%
49.4%	71.1	70.2	-0.9	-1.3%
50.6%	71.1	70.2	-0.9	-1.3%
51.9%	71.0	70.2	-0.8	-1.2%
53.1%	71.0	70.1	-0.9	-1.2%
54.3%	71.0	70.1	-0.8	-1.2%
55.6%	70.9	70.1	-0.8	-1.2%
56.8%	70.9	70.1	-0.8	-1.1%
58.0%	70.7	70.1	-0.6	-0.8%
59.3%	70.6	70.0	-0.6	-0.8%
60.5%	70.6	70.0	-0.6	-0.9%
61.7%	70.6	70.0	-0.6	-0.9%
63.0%	70.5	70.0	-0.6	-0.8%
64.2%	70.5	70.0	-0.6	-0.8%
65.4%	70.5	69.9	-0.6	-0.8%
66.7%	70.5	69.9	-0.6	-0.9%
67.9%	70.3	69.9	-0.5	-0.7%
69.1%	70.2	69.8	-0.4	-0.6%
70.4%	70.2	69.8	-0.4	-0.6%
71.6%	70.2	69.8	-0.4	-0.6%
72.8%	70.2	69.8	-0.4	-0.6%
74.1%	70.2	69.7	-0.4	-0.6%
75.3%	70.2	69.7	-0.4	-0.6%
76.5%	70.1	69.7	-0.4	-0.6%
77.8%	70.1	69.7	-0.4	-0.6%
79.0%	70.1	69.6	-0.5	-0.7%
80.2%	70.1	69.6	-0.5	-0.7%
81.5%	70.1	69.6	-0.5	-0.7%
82.7%	70.0	69.5	-0.4	-0.6%
84.0%	69.9	69.4	-0.4	-0.6%
85.2%	69.8	69.4	-0.4	-0.6%
86.4%	69.8	69.4	-0.4	-0.6%
87.7%	69.8	69.3	-0.4	-0.6%
88.9%	69.7	69.3	-0.4	-0.6%
90.1%	69.7	69.3	-0.4	-0.6%
91.4%	69.7	69.2	-0.4	-0.6%
92.6%	69.6	69.2	-0.4	-0.6%
93.8%	69.5	69.2	-0.4	-0.5%
95.1%	69.4	68.9	-0.5	-0.8%
96.3%	69.4	68.9	-0.5	-0.7%
97.5%	69.4	68.7	-0.7	-1.0%
98.8%	69.3	68.7	-0.6	-0.9%
100.0%	68.3	67.9	-0.3	-0.5%

July to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	80.0	80.0	0.1	0.1%
1.2%	79.0	75.7	-3.3	-4.1%
2.5%	77.3	75.7	-1.6	-2.1%
3.7%	76.4	75.3	-1.1	-1.4%
4.9%	76.3	75.3	-1.0	-1.3%
6.2%	76.0	75.1	-0.9	-1.2%
7.4%	75.3	75.1	-0.2	-0.3%
8.6%	74.9	74.9	0.0	0.0%
9.9%	74.7	74.4	-0.2	-0.3%
11.1%	74.6	74.0	-0.6	-0.8%
12.3%	74.6	73.8	-0.8	-1.0%
13.6%	74.6	73.7	-0.8	-1.1%
14.8%	74.0	73.5	-0.5	-0.7%
16.0%	73.9	73.4	-0.6	-0.8%
17.3%	73.6	73.0	-0.6	-0.8%
18.5%	73.6	72.9	-0.7	-1.0%
19.8%	73.3	72.8	-0.5	-0.6%
21.0%	73.1	72.6	-0.5	-0.7%
22.2%	72.9	72.6	-0.3	-0.5%
23.5%	72.9	72.0	-0.9	-1.2%
24.7%	72.8	71.8	-1.0	-1.4%
25.9%	72.7	71.8	-0.9	-1.2%
27.2%	72.6	71.8	-0.8	-1.1%
28.4%	72.5	71.8	-0.7	-0.9%
29.6%	72.4	71.7	-0.7	-1.0%
30.9%	72.1	71.7	-0.4	-0.6%
32.1%	72.0	71.5	-0.5	-0.7%
33.3%	72.0	71.5	-0.5	-0.7%
34.6%	72.0	71.4	-0.6	-0.8%
35.8%	72.0	71.3	-0.6	-0.9%
37.0%	71.9	71.2	-0.8	-1.0%
38.3%	71.9	71.1	-0.8	-1.1%
39.5%	71.8	71.0	-0.8	-1.1%
40.7%	71.8	71.0	-0.8	-1.2%
42.0%	71.6	70.8	-0.9	-1.2%
43.2%	71.6	70.7	-0.9	-1.2%
44.4%	71.5	70.7	-0.8	-1.2%
45.7%	71.5	70.7	-0.9	-1.2%
46.9%	71.2	70.6	-0.6	-0.9%
48.1%	71.2	70.6	-0.6	-0.9%
49.4%	71.1	70.6	-0.6	-0.8%
50.6%	71.1	70.5	-0.7	-0.9%
51.9%	71.0	70.4	-0.6	-0.9%
53.1%	71.0	70.3	-0.7	-1.0%
54.3%	71.0	70.3	-0.7	-1.0%
55.6%	71.0	70.2	-0.8	-1.1%
56.8%	71.0	70.1	-0.9	-1.3%
58.0%	70.9	70.1	-0.9	-1.2%
59.3%	70.9	70.1	-0.9	-1.2%
60.5%	70.9	70.1	-0.8	-1.2%
61.7%	70.8	70.1	-0.7	-1.0%
63.0%	70.8	70.0	-0.7	-1.0%
64.2%	70.7	70.0	-0.7	-1.0%
65.4%	70.6	70.0	-0.6	-0.9%
66.7%	70.6	70.0	-0.6	-0.8%
67.9%	70.5	69.9	-0.6	-0.9%
69.1%	70.5	69.9	-0.6	-0.9%
70.4%	70.5	69.9	-0.6	-0.9%
71.6%	70.4	69.8	-0.7	-1.0%
72.8%	70.4	69.7	-0.7	-1.0%
74.1%	70.4	69.7	-0.7	-1.0%
75.3%	70.4	69.7	-0.7	-1.0%
76.5%	70.3	69.6	-0.6	-0.9%
77.8%	70.2	69.6	-0.6	-0.8%
79.0%	70.2	69.6	-0.6	-0.8%
80.2%	70.1	69.6	-0.5	-0.7%
81.5%	70.0	69.5	-0.5	-0.8%
82.7%	70.0	69.5	-0.5	-0.8%
84.0%	70.0	69.5	-0.5	-0.7%
85.2%	69.9	69.4	-0.5	-0.7%
86.4%	69.8	69.4	-0.5	-0.7%
87.7%	69.8	69.3	-0.5	-0.7%
88.9%	69.8	69.3	-0.5	-0.7%
90.1%	69.7	69.3	-0.5	-0.7%
91.4%	69.7	69.2	-0.5	-0.7%
92.6%	69.6	69.2	-0.4	-0.6%
93.8%	69.6	69.1	-0.5	-0.8%
95.1%	69.6	69.1	-0.5	-0.7%
96.3%	69.5	68.9	-0.6	-0.9%
97.5%	69.4	68.9	-0.5	-0.7%
98.8%	69.1	68.4	-0.7	-1.0%
100.0%	68.8	68.3	-0.5	-0.7%

August to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	78.8	79.1	0.4	0.5%
1.2%	78.5	76.2	-2.2	-2.8%
2.5%	77.2	75.8	-1.4	-1.8%
3.7%	76.7	75.0	-1.7	-2.2%
4.9%	75.7	74.7	-1.0	-1.3%
6.2%	75.4	74.4	-1.0	-1.3%
7.4%	75.4	74.3	-1.1	-1.5%
8.6%	75.1	73.9	-1.2	-1.6%
9.9%	74.6	73.8	-0.9	-1.2%
11.1%	74.2	73.7	-0.5	-0.7%
12.3%	74.2	73.7	-0.5	-0.7%
13.6%	73.9	73.5	-0.4	-0.6%
14.8%	73.9	73.3	-0.6	-0.8%
16.0%	73.8	73.1	-0.8	-1.0%
17.3%	73.6	73.0	-0.5	-0.7%
18.5%	73.5	73.0	-0.5	-0.7%
19.8%	73.4	73.0	-0.4	-0.6%
21.0%	73.0	72.9	-0.1	-0.2%
22.2%	72.9	72.7	-0.2	-0.3%
23.5%	72.9	72.2	-0.6	-0.9%
24.7%	72.8	72.0	-0.8	-1.2%
25.9%	72.7	71.9	-0.8	-1.2%
27.2%	72.7	71.8	-0.9	-1.2%
28.4%	72.7	71.7	-0.9	-1.3%
29.6%	72.4	71.7	-0.7	-1.0%
30.9%	72.4	71.6	-0.7	-1.0%
32.1%	72.3	71.6	-0.7	-1.0%
33.3%	72.3	71.6	-0.7	-1.0%
34.6%	72.3	71.6	-0.7	-1.0%
35.8%	72.3	71.5	-0.8	-1.1%
37.0%	72.1	71.5	-0.6	-0.9%
38.3%	72.1	71.4	-0.7	-1.0%
39.5%	72.1	71.4	-0.7	-1.0%
40.7%	72.0	71.3	-0.7	-0.9%
42.0%	71.9	71.3	-0.6	-0.9%
43.2%	71.9	71.2	-0.7	-1.0%
44.4%	71.8	71.1	-0.7	-0.9%
45.7%	71.7	71.1	-0.6	-0.9%
46.9%	71.7	71.0	-0.6	-0.9%
48.1%	71.6	71.0	-0.7	-1.0%
49.4%	71.5	70.9	-0.6	-0.8%
50.6%	71.5	70.9	-0.6	-0.8%
51.9%	71.5	70.9	-0.6	-0.9%
53.1%	71.3	70.8	-0.5	-0.7%
54.3%	71.3	70.8	-0.5	-0.7%
55.6%	71.3	70.8	-0.5	-0.7%
56.8%	71.2	70.7	-0.5	-0.7%
58.0%	71.2	70.7	-0.5	-0.7%
59.3%	71.2	70.6	-0.6	-0.8%
60.5%	71.1	70.6	-0.6	-0.8%
61.7%	71.0	70.5	-0.5	-0.7%
63.0%	70.9	70.5	-0.4	-0.5%
64.2%	70.8	70.5	-0.3	-0.4%
65.4%	70.7	70.5	-0.2	-0.2%
66.7%	70.6	70.3	-0.4	-0.5%
67.9%	70.6	70.3	-0.3	-0.5%
69.1%	70.5	70.1	-0.4	-0.6%
70.4%	70.4	70.1	-0.4	-0.5%
71.6%	70.4	70.0	-0.4	-0.6%
72.8%	70.3	70.0	-0.3	-0.5%
74.1%	70.2	70.0	-0.3	-0.4%
75.3%	70.2	70.0	-0.2	-0.3%
76.5%	70.2	69.9	-0.3	-0.4%
77.8%	70.2	69.9	-0.3	-0.4%
79.0%	70.1	69.8	-0.3	-0.4%
80.2%	70.0	69.8	-0.2	-0.3%
81.5%	70.0	69.8	-0.2	-0.3%
82.7%	70.0	69.8	-0.2	-0.3%
84.0%	70.0	69.6	-0.4	-0.5%
85.2%	70.0	69.6	-0.4	-0.6%
86.4%	70.0	69.6	-0.4	-0.6%
87.7%	69.9	69.6	-0.4	-0.5%
88.9%	69.8	69.5	-0.2	-0.3%
90.1%	69.7	69.4	-0.4	-0.5%
91.4%	69.7	69.4	-0.3	-0.5%
92.6%	69.7	69.3	-0.4	-0.6%
93.8%	69.5	69.2	-0.3	-0.5%
95.1%	69.2	69.0	-0.1	-0.2%
96.3%	69.2	68.9	-0.3	-0.4%
97.5%	69.0	68.8	-0.2	-0.4%
98.8%	68.6	68.6	0.1	0.1%
100.0%	68.5	68.5	-0.1	-0.1%

Figure SQ11-1b
American River at the Mouth, Monthly Temperature
Probability of Exceedance

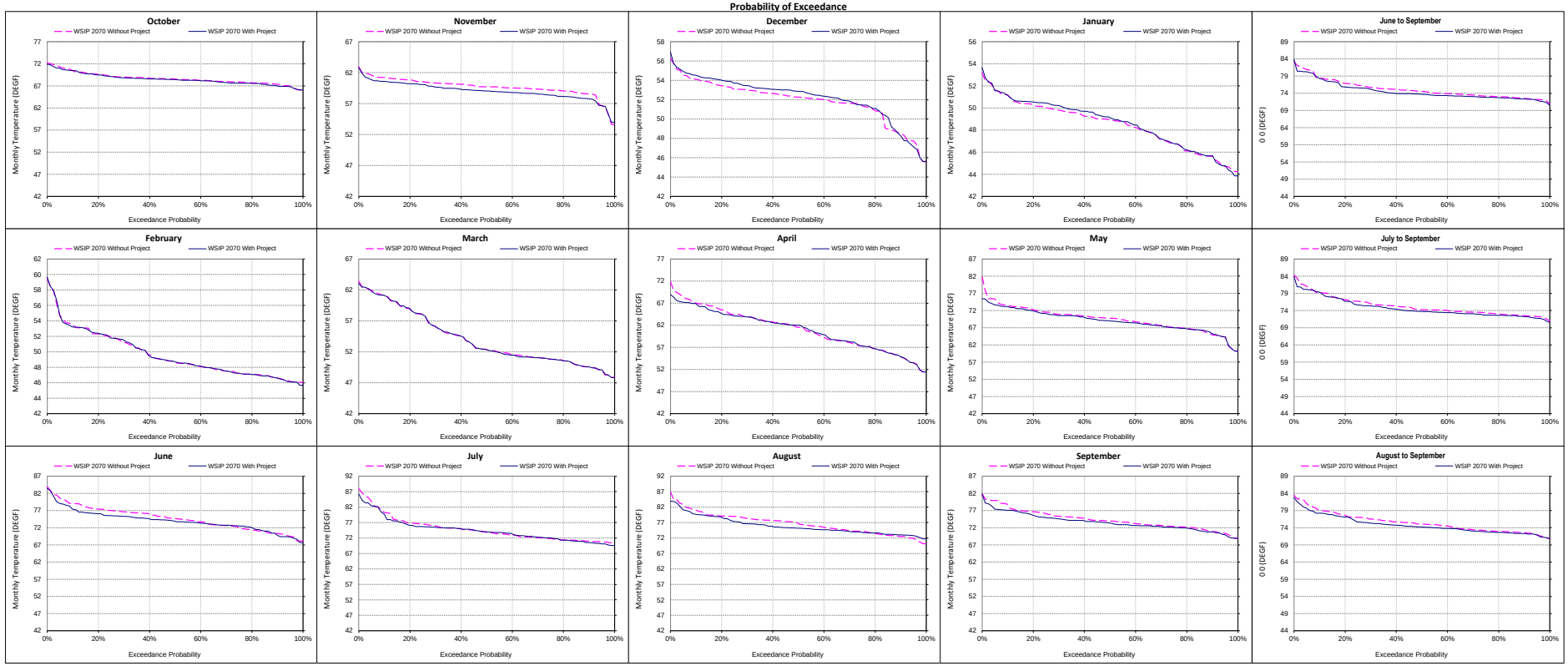


Table SQ11-1b

American River at the Mouth, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	72.2	71.9	-0.3	-0.4%
1.2%	72.0	71.8	-0.3	-0.4%
2.5%	71.8	71.4	-0.5	-0.7%
3.7%	71.7	71.1	-0.7	-0.9%
4.9%	71.2	71.0	-0.2	-0.3%
6.2%	71.1	70.6	-0.4	-0.6%
7.4%	70.9	70.6	-0.3	-0.4%
8.6%	70.8	70.5	-0.3	-0.5%
9.9%	70.5	70.5	0.0	0.0%
11.1%	70.1	70.4	0.3	0.4%
12.3%	70.1	70.1	0.0	-0.1%
13.6%	70.1	69.9	-0.2	-0.3%
14.8%	70.0	69.8	-0.2	-0.3%
16.0%	69.8	69.7	-0.1	-0.2%
17.3%	69.8	69.7	-0.1	-0.1%
18.5%	69.7	69.5	-0.1	-0.2%
19.8%	69.7	69.5	-0.1	-0.2%
21.0%	69.6	69.5	-0.1	-0.2%
22.2%	69.5	69.3	-0.2	-0.2%
23.5%	69.4	69.2	-0.1	-0.2%
24.7%	69.1	69.1	0.0	0.0%
25.9%	69.1	69.1	-0.1	-0.1%
27.2%	69.0	68.9	-0.1	-0.1%
28.4%	69.0	68.9	-0.2	-0.2%
29.6%	69.0	68.8	-0.2	-0.3%
30.9%	69.0	68.8	-0.1	-0.2%
32.1%	68.9	68.8	-0.2	-0.2%
33.3%	68.9	68.7	-0.2	-0.2%
34.6%	68.9	68.7	-0.2	-0.3%
35.8%	68.9	68.7	-0.2	-0.3%
37.0%	68.9	68.7	-0.2	-0.3%
38.3%	68.9	68.7	-0.2	-0.3%
39.5%	68.8	68.6	-0.2	-0.3%
40.7%	68.7	68.6	-0.1	-0.2%
42.0%	68.7	68.6	-0.1	-0.2%
43.2%	68.7	68.5	-0.1	-0.2%
44.4%	68.7	68.5	-0.2	-0.2%
45.7%	68.6	68.5	-0.1	-0.2%
46.9%	68.6	68.5	-0.1	-0.2%
48.1%	68.6	68.5	-0.1	-0.2%
49.4%	68.6	68.4	-0.2	-0.2%
50.6%	68.5	68.4	-0.1	-0.2%
51.9%	68.4	68.4	-0.1	-0.1%
53.1%	68.4	68.3	-0.1	-0.2%
54.3%	68.4	68.3	-0.1	-0.2%
55.6%	68.4	68.3	-0.1	-0.2%
56.8%	68.4	68.3	-0.1	-0.2%
58.0%	68.3	68.3	-0.1	-0.1%
59.3%	68.3	68.2	-0.1	-0.1%
60.5%	68.3	68.2	-0.1	-0.2%
61.7%	68.2	68.1	-0.1	-0.2%
63.0%	68.2	68.1	-0.1	-0.1%
64.2%	68.1	68.1	0.0	0.0%
65.4%	68.1	68.0	-0.1	-0.1%
66.7%	68.0	67.9	-0.1	-0.2%
67.9%	68.0	67.8	-0.2	-0.3%
69.1%	68.0	67.8	-0.2	-0.4%
70.4%	68.0	67.7	-0.2	-0.4%
71.6%	67.9	67.7	-0.2	-0.4%
72.8%	67.9	67.7	-0.2	-0.3%
74.1%	67.9	67.6	-0.3	-0.4%
75.3%	67.9	67.6	-0.2	-0.4%
76.5%	67.8	67.6	-0.2	-0.4%
77.8%	67.7	67.6	-0.1	-0.2%
79.0%	67.7	67.6	-0.1	-0.2%
80.2%	67.7	67.6	-0.1	-0.2%
81.5%	67.7	67.6	-0.1	-0.2%
82.7%	67.7	67.5	-0.1	-0.2%
84.0%	67.6	67.4	-0.3	-0.4%
85.2%	67.6	67.4	-0.2	-0.4%
86.4%	67.6	67.2	-0.4	-0.6%
87.7%	67.5	67.1	-0.4	-0.6%
88.9%	67.4	67.1	-0.3	-0.5%
90.1%	67.4	66.9	-0.4	-0.6%
91.4%	67.3	66.9	-0.4	-0.6%
92.6%	67.0	66.9	-0.1	-0.2%
93.8%	67.0	66.9	-0.2	-0.3%
95.1%	66.9	66.8	-0.1	-0.2%
96.3%	66.5	66.4	-0.1	-0.1%
97.5%	66.2	66.2	0.0	0.0%
98.8%	66.0	66.1	0.0	0.1%
100.0%	66.0	66.1	0.0	0.1%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	62.9	62.8	-0.2	-0.3%
1.2%	62.0	61.9	-0.2	-0.3%
2.5%	61.9	61.3	-0.7	-1.1%
3.7%	61.8	61.1	-0.7	-1.1%
4.9%	61.6	60.9	-0.7	-1.2%
6.2%	61.3	60.7	-0.6	-1.1%
7.4%	61.3	60.7	-0.6	-1.0%
8.6%	61.2	60.6	-0.6	-1.1%
9.9%	61.2	60.6	-0.6	-1.1%
11.1%	61.2	60.5	-0.6	-1.0%
12.3%	61.1	60.5	-0.6	-1.0%
13.6%	61.0	60.4	-0.6	-1.0%
14.8%	61.0	60.4	-0.6	-0.9%
16.0%	60.9	60.4	-0.5	-0.9%
17.3%	60.9	60.3	-0.6	-0.9%
18.5%	60.8	60.2	-0.6	-1.0%
19.8%	60.8	60.2	-0.6	-1.0%
21.0%	60.8	60.2	-0.6	-1.0%
22.2%	60.6	60.2	-0.4	-0.7%
23.5%	60.6	60.1	-0.5	-0.7%
24.7%	60.5	60.1	-0.4	-0.7%
25.9%	60.5	60.1	-0.4	-0.7%
27.2%	60.4	59.8	-0.6	-1.0%
28.4%	60.4	59.8	-0.6	-0.9%
29.6%	60.3	59.7	-0.6	-1.0%
30.9%	60.3	59.6	-0.7	-1.1%
32.1%	60.3	59.6	-0.7	-1.1%
33.3%	60.2	59.5	-0.8	-1.3%
34.6%	60.2	59.5	-0.8	-1.2%
35.8%	60.2	59.5	-0.8	-1.3%
37.0%	60.2	59.5	-0.7	-1.2%
38.3%	60.1	59.4	-0.7	-1.2%
39.5%	60.1	59.3	-0.8	-1.3%
40.7%	60.1	59.3	-0.9	-1.4%
42.0%	60.0	59.2	-0.8	-1.3%
43.2%	60.0	59.2	-0.8	-1.3%
44.4%	60.0	59.1	-0.8	-1.4%
45.7%	59.8	59.1	-0.7	-1.1%
46.9%	59.7	59.1	-0.6	-1.0%
48.1%	59.7	59.1	-0.6	-1.1%
49.4%	59.7	59.1	-0.7	-1.1%
50.6%	59.7	59.0	-0.7	-1.1%
51.9%	59.7	59.0	-0.7	-1.2%
53.1%	59.7	59.0	-0.7	-1.3%
54.3%	59.7	58.9	-0.8	-1.3%
55.6%	59.6	58.9	-0.7	-1.2%
56.8%	59.6	58.9	-0.7	-1.1%
58.0%	59.5	58.9	-0.7	-1.1%
59.3%	59.5	58.8	-0.7	-1.2%
60.5%	59.5	58.8	-0.7	-1.2%
61.7%	59.5	58.8	-0.7	-1.2%
63.0%	59.5	58.7	-0.8	-1.3%
64.2%	59.5	58.7	-0.8	-1.3%
65.4%	59.5	58.7	-0.8	-1.4%
66.7%	59.4	58.7	-0.8	-1.3%
67.9%	59.3	58.6	-0.7	-1.2%
69.1%	59.3	58.6	-0.7	-1.2%
70.4%	59.3	58.5	-0.8	-1.4%
71.6%	59.3	58.5	-0.8	-1.3%
72.8%	59.3	58.4	-0.8	-1.4%
74.1%	59.2	58.4	-0.8	-1.4%
75.3%	59.2	58.4	-0.8	-1.4%
76.5%	59.2	58.3	-0.8	-1.4%
77.8%	59.1	58.2	-1.0	-1.6%
79.0%	59.1	58.2	-1.0	-1.6%
80.2%	59.0	58.1	-0.9	-1.5%
81.5%	59.0	58.1	-0.9	-1.5%
82.7%	59.0	58.1	-0.9	-1.5%
84.0%	58.9	58.1	-0.8	-1.4%
85.2%	58.8	58.0	-0.8	-1.4%
86.4%	58.7	57.9	-0.8	-1.4%
87.7%	58.6	57.8	-0.8	-1.4%
88.9%	58.6	57.8	-0.7	-1.3%
90.1%	58.5	57.7	-0.8	-1.4%
91.4%	58.5	57.7	-0.9	-1.5%
92.6%	58.4	57.4	-0.9	-1.6%
93.8%	56.9	56.7	-0.2	-0.3%
95.1%	56.6	56.7	0.1	0.1%
96.3%	56.5	56.5	0.1	0.1%
97.5%	55.3	55.3	0.1	0.1%
98.8%	53.6	54.0	0.3	0.6%
100.0%	53.6	54.0	0.3	0.6%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.3	56.9	0.6	1.1%
1.2%	55.7	55.8	0.0	0.0%
2.5%	55.1	55.4	0.2	0.4%
3.7%	55.0	55.1	0.1	0.2%
4.9%	54.5	54.9	0.4	0.7%
6.2%	54.5	54.7	0.2	0.4%
7.4%	54.2	54.7	0.5	0.8%
8.6%	54.2	54.6	0.4	0.7%
9.9%	54.1	54.5	0.4	0.8%
11.1%	54.0	54.4	0.4	0.7%
12.3%	53.9	54.3	0.4	0.8%
13.6%	53.9	54.3	0.3	0.6%
14.8%	53.9	54.2	0.4	0.7%
16.0%	53.8	54.2	0.5	0.9%
17.3%	53.6	54.1	0.5	1.0%
18.5%	53.5	54.1	0.6	1.1%
19.8%	53.4	54.0	0.6	1.1%
21.0%	53.4	54.0	0.5	1.0%
22.2%	53.3	53.9	0.6	1.1%
23.5%	53.3	53.9	0.6	1.1%
24.7%	53.1	53.7	0.6	1.2%
25.9%	53.1	53.7	0.6	1.2%
27.2%	53.1	53.6	0.5	1.0%
28.4%	53.1	53.5	0.4	0.8%
29.6%	53.0	53.5	0.4	0.8%
30.9%	53.0	53.4	0.5	0.9%
32.1%	53.0	53.3	0.3	0.6%
33.3%	52.9	53.2	0.3	0.6%
34.6%	52.8	53.2	0.4	0.8%
35.8%	52.7	53.2	0.4	0.8%
37.0%	52.7	53.1	0.4	0.8%
38.3%	52.7	53.1	0.5	0.9%
39.5%	52.7	53.1	0.4	0.8%
40.7%	52.6	53.1	0.4	0.8%
42.0%	52.6	53.0	0.5	0.9%
43.2%	52.5	53.0	0.5	1.0%
44.4%	52.5	53.0	0.5	1.0%
45.7%	52.4	53.0	0.6	1.2%
46.9%	52.4	53.0	0.6	1.2%
48.1%	52.3	52.9	0.6	1.1%
49.4%	52.3	52.9	0.6	1.2%
50.6%	52.3	52.8	0.6	1.1%
51.9%	52.2	52.8	0.6	1.2%
53.1%	52.2	52.7	0.5	1.0%
54.3%	52.1	52.6	0.5	0.9%
55.6%	52.1	52.5	0.4	0.8%
56.8%	52.1	52.5	0.4	0.7%
58.0%	52.0	52.4	0.4	0.8%
59.3%	52.0	52.4	0.4	0.7%
60.5%	52.0	52.4	0.3	0.6%
61.7%	51.9	52.3	0.4	0.7%
63.0%	51.8	52.2	0.4	0.8%
64.2%	51.7	52.2	0.4	0.8%
65.4%	51.7	52.2	0.5	0.9%
66.7%	51.7	52.0	0.3	0.6%
67.9%	51.7	51.9	0.2	0.5%
69.1%	51.6	51.9	0.2	0.5%
70.4%	51.6	51.8	0.2	0.4%
71.6%	51.6	51.7	0.1	0.1%
72.8%	51.6	51.5	-0.1	-0.2%
74.1%	51.5	51.5	-0.1	-0.1%
75.3%	51.3	51.4	0.1	0.2%
76.5%	51.3	51.4	0.2	0.3%
77.8%	51.2	51.3	0.1	0.3%
79.0%	51.0	51.1	0.1	0.1%
80.2%	50.8	51.1	0.3	0.5%
81.5%	50.8	50.8	0.0	0.1%
82.7%	50.7	50.5	-0.2	-0.3%
84.0%	49.1	50.4	1.3	2.7%
85.2%	48.9	50.1	1.2	2.5%
86.4%	48.9	49.2	0.3	0.6%
87.7%	48.7	48.9	0.2	0.4%
88.9%	48.6	48.5	-0.1	-0.2%
90.1%	48.5	48.2	-0.3	-0.6%
91.4%	48.3	47.8	-0.5	-1.1%
92.6%	47.8	47.7	-0.1	-0.2%
93.8%	47.8	47.4	-0.4	-0.8%
95.1%	47.7	47.1	-0.6	-1.3%
96.3%	47.3	46.9	-0.5	-1.0%
97.5%	45.9	46.0	0.0	0.1%
98.8%	45.6	45.6	0.0	0.0%
100.0%	45.6	45.6	0.0	0.0%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.2	53.7	0.5	0.9%
1.2%	52.5	52.8	0.3	0.5%
2.5%	52.4	52.3	-0.1	-0.2%
3.7%	52.1	52.3	0.2	0.3%
4.9%	51.7	51.6	-0.1	-0.2%
6.2%	51.5	51.6	0.0	0.1%
7.4%	51.3	51.4	0.1	0.3%
8.6%	51.2	51.3	0.1	0.2%
9.9%	51.2	51.2	0.0	-0.1%
11.1%	50.9	50.9	0.0	0.0%
12.3%	50.6	50.7	0.1	0.2%
13.6%	50.6	50.6	0.1	0.2%
14.8%	50.4	50.6	0.2	0.4%
16.0%	50.4	50.6	0.2	0.4%
17.3%	50.4	50.6	0.2	0.4%
18.5%	50.4	50.6	0.2	0.4%
19.8%	50.3	50.5	0.2	0.4%
21.0%	50.2	50.5	0.3	0.6%
22.2%	50.1	50.5	0.3	0.7%
23.5%	50.1	50.5	0.3	0.7%
24.7%	50.0	50.4	0.4	0.8%
25.9%	50.0	50.4	0.4	0.9%
27.2%	49.9	50.3	0.4	0.7%
28.4%	49.8	50.2	0.4	0.8%
29.6%	49.8	50.2	0.4	0.8%
30.9%	49.8	50.2	0.4	0.8%
32.1%	49.7	50.0	0.3	0.6%
33.3%	49.6	49.9	0.3	0.6%
34.6%	49.6	49.9	0.3	0.5%
35.8%	49.6	49.8	0.2	0.5%
37.0%	49.6	49.8	0.3	0.6%
38.3%	49.5	49.7	0.2	0.5%
39.5%	49.3	49.7	0.4	0.8%
40.7%	49.2	49.7	0.5	1.0%
42.0%	49.2	49.6	0.4	0.9%
43.2%	49.2	49.6	0.5	0.9%
44.4%	49.0	49.4	0.3	0.7%
45.7%	49.0	49.3	0.3	0.7%
46.9%	49.0	49.2	0.2	0.5%
48.1%	49.0	49.2	0.2	0.4%
49.4%	49.0	49.2	0.2	0.5%
50.6%	48.9	49.0	0.2	0.3%
51.9%	48.8	49.0	0.1	0.2%
53.1%	48.8	48.9	0.1	0.2%
54.3%	48.8	48.8	0.0	0.1%
55.6%	48.7	48.8	0.0	0.0%
56.8%	48.5	48.8	0.3	0.6%
58.0%	48.4	48.6	0.2	0.4%
59.3%	48.3	48.5	0.2	0.4%
60.5%	48.2	48.4	0.3	0.5%
61.7%	48.1	48.1	0.1	0.1%
63.0%	48.0	48.0	0.0	0.1%
64.2%	47.9	47.9	0.0	0.0%
65.4%	47.8	47.8	0.0	0.0%
66.7%	47.7	47.8	0.1	0.1%
67.9%	47.6	47.6	0.0	0.0%
69.1%	47.2	47.3	0.0	0.0%
70.4%	47.1	47.2	0.1	0.2%
71.6%	47.0	47.1	0.0	0.1%
72.8%	46.9	47.0	0.1	0.2%
74.1%	46.8	46.9	0.1	0.1%
75.3%	46.8	46.8	0.0	0.0%
76.5%	46.7	46.7	0.0	0.0%
77.8%	46.5	46.5	0.0	0.0%
79.0%	46.1	46.3	0.1	0.3%
80.2%	46.1	46.2	0.1	0.2%
81.5%	46.1	46.1	0.0	0.0%
82.7%	45.9	46.1	0.2	0.4%
84.0%	45.9	46.0	0.1	0.2%
85.2%	45.7	45.9	0.1	0.2%
86.4%	45.7	45.8	0.1	0.2%
87.7%	45.7	45.7	0.0	0.0%
88.9%	45.6	45.7	0.0	0.1%
90.1%	45.6	45.7	0.0	0.1%
91.4%	45.3	45.1	-0.2	-0.4%
92.6%	45.1	44.9	-0.2	-0.4%
93.8%	44.7	44.8	0.0	0.1%
95.1%	44.7	44.8	0.1	0.1%
96.3%	44.7	44.4	-0.3	-0.6%
97.5%	44.4	44.2	-0.2	-0.4%
98.8%	44.2	43.9	-0.4	-0.9%
100.0%	44.2	43.9	-0.4	-0.9%

Table SQ11-1b

American River at the Mouth, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	59.4	59.7	0.3	0.5%
1.2%	58.4	58.4	0.1	0.1%
2.5%	57.9	57.9	0.1	0.1%
3.7%	56.1	56.6	0.5	0.8%
4.9%	54.7	54.6	-0.1	-0.1%
6.2%	54.2	53.8	-0.4	-0.8%
7.4%	53.7	53.6	-0.1	-0.2%
8.6%	53.7	53.4	-0.3	-0.5%
9.9%	53.5	53.2	-0.3	-0.6%
11.1%	53.1	53.2	0.1	0.1%
12.3%	53.1	53.2	0.1	0.1%
13.6%	53.1	53.1	0.1	0.1%
14.8%	53.1	53.0	0.0	-0.1%
16.0%	53.1	52.9	-0.2	-0.4%
17.3%	52.3	52.5	0.2	0.4%
18.5%	52.3	52.4	0.1	0.3%
19.8%	52.3	52.4	0.1	0.2%
21.0%	52.3	52.3	0.0	0.1%
22.2%	52.1	52.2	0.1	0.3%
23.5%	52.0	52.2	0.1	0.3%
24.7%	52.0	51.8	-0.2	-0.4%
25.9%	51.9	51.7	-0.1	-0.2%
27.2%	51.7	51.7	0.0	0.1%
28.4%	51.5	51.6	0.2	0.3%
29.6%	51.2	51.6	0.4	0.7%
30.9%	51.2	51.3	0.2	0.3%
32.1%	50.9	51.2	0.2	0.4%
33.3%	50.8	51.0	0.2	0.3%
34.6%	50.5	50.5	0.0	0.0%
35.8%	50.5	50.4	0.0	-0.1%
37.0%	50.2	50.3	0.1	0.2%
38.3%	50.1	50.2	0.1	0.2%
39.5%	49.7	49.6	-0.1	-0.2%
40.7%	49.5	49.3	-0.2	-0.5%
42.0%	49.2	49.2	0.0	0.0%
43.2%	49.1	49.1	0.0	0.1%
44.4%	49.1	49.0	0.0	-0.1%
45.7%	49.0	49.0	0.0	0.0%
46.9%	48.9	48.9	0.0	0.0%
48.1%	48.8	48.8	0.0	0.0%
49.4%	48.8	48.8	0.0	0.0%
50.6%	48.5	48.6	0.1	0.2%
51.9%	48.5	48.5	0.0	0.0%
53.1%	48.5	48.5	0.1	0.1%
54.3%	48.5	48.5	0.1	0.1%
55.6%	48.4	48.5	0.0	0.1%
56.8%	48.3	48.4	0.0	0.1%
58.0%	48.3	48.2	-0.1	-0.2%
59.3%	48.1	48.2	0.1	0.1%
60.5%	48.1	48.1	0.0	0.0%
61.7%	48.0	48.0	0.0	0.0%
63.0%	47.9	48.0	0.0	0.1%
64.2%	47.9	47.9	0.0	0.0%
65.4%	47.8	47.8	0.1	0.2%
66.7%	47.6	47.8	0.2	0.3%
67.9%	47.6	47.7	0.1	0.2%
69.1%	47.5	47.5	0.0	0.0%
70.4%	47.5	47.5	0.0	0.0%
71.6%	47.5	47.4	0.0	0.0%
72.8%	47.5	47.3	-0.2	-0.4%
74.1%	47.3	47.3	0.0	0.0%
75.3%	47.2	47.2	0.0	0.0%
76.5%	47.1	47.1	0.0	0.0%
77.8%	47.1	47.1	0.0	0.0%
79.0%	47.1	47.1	0.0	0.1%
80.2%	47.1	47.1	0.0	-0.1%
81.5%	47.1	47.0	0.0	-0.1%
82.7%	47.1	46.9	-0.1	-0.2%
84.0%	47.0	46.9	-0.1	-0.1%
85.2%	46.9	46.9	0.0	-0.1%
86.4%	46.9	46.9	0.0	0.0%
87.7%	46.8	46.7	0.0	-0.1%
88.9%	46.7	46.7	-0.1	-0.1%
90.1%	46.6	46.6	0.0	0.0%
91.4%	46.5	46.5	0.0	0.0%
92.6%	46.4	46.4	0.0	0.0%
93.8%	46.3	46.2	-0.2	-0.3%
95.1%	46.2	46.1	0.0	-0.1%
96.3%	46.1	46.1	0.0	0.0%
97.5%	46.1	46.1	0.0	0.0%
98.8%	46.1	45.7	-0.4	-0.8%
100.0%	46.1	45.7	-0.4	-0.8%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	63.4	63.0	-0.4	-0.6%
1.2%	62.5	62.5	-0.1	-0.1%
2.5%	62.2	62.4	0.2	0.3%
3.7%	62.2	62.2	0.0	0.0%
4.9%	61.9	61.8	-0.2	-0.3%
6.2%	61.7	61.5	-0.3	-0.4%
7.4%	61.5	61.2	-0.2	-0.3%
8.6%	61.2	61.2	0.0	-0.1%
9.9%	61.1	61.2	0.0	0.0%
11.1%	61.0	60.9	-0.2	-0.3%
12.3%	60.3	60.4	0.1	0.2%
13.6%	60.1	60.2	0.1	0.2%
14.8%	59.9	60.1	0.2	0.3%
16.0%	59.5	59.5	0.0	0.0%
17.3%	59.1	59.4	0.3	0.5%
18.5%	59.1	59.2	0.1	0.2%
19.8%	59.0	59.1	0.1	0.2%
21.0%	58.5	58.5	0.0	0.1%
22.2%	58.2	58.2	0.1	0.1%
23.5%	58.1	58.2	0.1	0.1%
24.7%	58.1	58.1	0.0	0.0%
25.9%	57.9	57.8	-0.1	-0.1%
27.2%	56.6	56.8	0.2	0.4%
28.4%	56.3	56.3	0.0	0.0%
29.6%	56.2	56.2	0.0	0.0%
30.9%	55.8	55.8	0.0	0.0%
32.1%	55.5	55.5	0.1	0.1%
33.3%	55.2	55.2	0.0	0.0%
34.6%	55.0	55.2	0.2	0.4%
35.8%	54.9	55.0	0.1	0.3%
37.0%	54.8	54.8	0.0	0.0%
38.3%	54.6	54.7	0.1	0.2%
39.5%	54.6	54.6	0.0	0.0%
40.7%	54.4	54.5	0.0	0.0%
42.0%	53.8	53.8	0.1	0.1%
43.2%	53.6	53.6	0.0	0.0%
44.4%	53.2	53.2	0.0	0.0%
45.7%	52.6	52.6	0.1	0.1%
46.9%	52.5	52.6	0.0	0.0%
48.1%	52.5	52.4	0.0	0.0%
49.4%	52.4	52.4	0.0	0.0%
50.6%	52.3	52.2	0.0	0.0%
51.9%	52.2	52.1	-0.1	-0.2%
53.1%	52.1	52.1	-0.1	-0.1%
54.3%	52.0	51.9	-0.1	-0.1%
55.6%	51.9	51.8	-0.1	-0.2%
56.8%	51.8	51.6	-0.3	-0.5%
58.0%	51.8	51.6	-0.3	-0.5%
59.3%	51.6	51.5	-0.2	-0.3%
60.5%	51.6	51.5	-0.1	-0.2%
61.7%	51.5	51.3	-0.1	-0.3%
63.0%	51.4	51.2	-0.3	-0.5%
64.2%	51.3	51.2	-0.2	-0.3%
65.4%	51.3	51.2	-0.1	-0.3%
66.7%	51.1	51.2	0.0	0.1%
67.9%	51.1	51.1	0.0	0.1%
69.1%	51.1	51.1	0.0	-0.1%
70.4%	51.1	51.1	0.0	0.0%
71.6%	51.0	51.0	0.0	0.0%
72.8%	51.0	51.0	0.0	0.0%
74.1%	50.8	50.9	0.0	0.1%
75.3%	50.8	50.8	0.0	0.0%
76.5%	50.8	50.8	0.0	0.0%
77.8%	50.7	50.7	0.0	-0.1%
79.0%	50.7	50.7	0.0	-0.1%
80.2%	50.5	50.5	0.0	0.0%
81.5%	50.5	50.5	0.0	0.1%
82.7%	50.4	50.4	0.0	0.1%
84.0%	50.1	50.0	-0.1	-0.1%
85.2%	49.8	49.9	0.1	0.1%
86.4%	49.7	49.8	0.0	0.1%
87.7%	49.6	49.7	0.0	0.1%
88.9%	49.6	49.6	0.0	0.0%
90.1%	49.6	49.6	0.0	0.0%
91.4%	49.5	49.4	-0.1	-0.2%
92.6%	49.3	49.4	0.1	0.1%
93.8%	49.1	49.1	0.0	-0.1%
95.1%	49.0	49.1	0.0	0.1%
96.3%	48.3	48.4	0.1	0.2%
97.5%	48.3	48.2	0.0	0.0%
98.8%	47.9	47.9	0.0	0.0%
100.0%	47.9	47.9	0.0	0.0%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	71.9	69.0	-2.9	-4.0%
1.2%	69.9	68.3	-1.5	-2.2%
2.5%	69.4	67.6	-1.8	-2.6%
3.7%	69.0	67.4	-1.6	-2.4%
4.9%	68.4	67.2	-1.2	-1.7%
6.2%	68.0	67.2	-0.8	-1.2%
7.4%	67.9	67.1	-0.8	-1.2%
8.6%	67.2	66.9	-0.3	-0.5%
9.9%	67.0	66.9	-0.1	-0.1%
11.1%	66.8	66.3	-0.6	-0.9%
12.3%	66.8	66.2	-0.6	-0.9%
13.6%	66.8	66.2	-0.6	-1.0%
14.8%	66.4	65.5	-0.9	-1.4%
16.0%	66.4	65.3	-1.0	-1.6%
17.3%	66.3	65.1	-1.1	-1.7%
18.5%	65.8	65.1	-0.7	-1.0%
19.8%	65.5	64.8	-0.8	-1.2%
21.0%	65.4	64.4	-0.9	-1.4%
22.2%	65.0	64.4	-0.6	-0.9%
23.5%	64.5	64.3	-0.2	-0.3%
24.7%	64.5	64.1	-0.3	-0.5%
25.9%	64.4	64.1	-0.4	-0.5%
27.2%	64.4	64.0	-0.4	-0.6%
28.4%	64.0	64.0	0.0	0.0%
29.6%	63.9	63.9	0.0	0.0%
30.9%	63.9	63.9	0.0	0.0%
32.1%	63.8	63.7	-0.1	-0.1%
33.3%	63.4	63.6	0.2	0.2%
34.6%	63.3	63.1	-0.2	-0.4%
35.8%	63.2	63.1	-0.1	-0.1%
37.0%	63.0	62.9	-0.1	-0.1%
38.3%	62.9	62.8	0.0	0.0%
39.5%	62.8	62.6	-0.2	-0.4%
40.7%	62.6	62.5	-0.1	-0.1%
42.0%	62.6	62.4	-0.1	-0.2%
43.2%	62.5	62.4	-0.1	-0.2%
44.4%	62.3	62.3	0.0	0.0%
45.7%	62.3	62.2	-0.1	-0.2%
46.9%	62.0	62.1	0.0	0.1%
48.1%	61.9	62.1	0.1	0.2%
49.4%	61.6	62.0	0.5	0.7%
50.6%	61.5	62.0	0.5	0.8%
51.9%	61.4	61.5	0.1	0.2%
53.1%	60.8	61.3	0.6	0.9%
54.3%	60.5	60.9	0.3	0.5%
55.6%	60.5	60.8	0.3	0.5%
56.8%	60.2	60.3	0.1	0.2%
58.0%	59.8	60.2	0.4	0.7%
59.3%	59.5	60.0	0.5	0.8%
60.5%	59.1	59.8	0.6	1.1%
61.7%	58.8	59.1	0.3	0.6%
63.0%	58.8	58.8	0.0	0.0%
64.2%	58.7	58.7	0.1	0.2%
65.4%	58.5	58.6	0.1	0.2%
66.7%	58.5	58.5	0.0	0.1%
67.9%	58.4	58.5	0.1	0.1%
69.1%	58.2	58.4	0.2	0.4%
70.4%	58.1	58.2	0.1	0.2%
71.6%	57.8	58.2	0.4	0.7%
72.8%	57.6	57.8	0.2	0.3%
74.1%	57.3	57.4	0.0	0.0%
75.3%	57.3	57.3	0.0	0.0%
76.5%	57.2	57.2	0.0	0.0%
77.8%	57.2	57.2	0.0	0.0%
79.0%	56.8	56.8	0.1	0.1%
80.2%	56.6	56.6	0.0	0.0%
81.5%	56.4	56.4	0.0	0.0%
82.7%	56.3	56.3	0.0	0.0%
84.0%	56.1	56.0	-0.1	-0.2%
85.2%	55.7	55.8	0.0	0.0%
86.4%	55.7	55.6	0.0	0.0%
87.7%	55.4	55.4	0.0	0.0%
88.9%	55.2	55.3	0.0	0.1%
90.1%	54.9	54.8	0.0	0.0%
91.4%	54.6	54.6	0.0	0.0%
92.6%	54.1	54.1	0.0	0.0%
93.8%	53.6	53.6	0.0	-0.1%
95.1%	53.5	53.5	0.0	0.0%
96.3%	53.2	53.0	-0.1	-0.2%
97.5%	51.9	51.8	-0.1	-0.1%
98.8%	51.5	51.5	0.0	0.1%
100.0%	51.5	51.5	0.0	0.1%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	81.7	75.4	-6.3	-7.7%
1.2%	77.7	75.4	-2.3	-2.9%
2.5%	75.5	74.4	-1.0	-1.4%
3.7%	75.4	74.0	-1.4	-1.9%
4.9%	75.4	73.7	-1.7	-2.3%
6.2%	74.3	73.6	-0.7	-0.9%
7.4%	73.8	73.3	-0.5	-0.7%
8.6%	73.7	73.2	-0.5	-0.7%
9.9%	73.4	73.2	-0.2	-0.3%
11.1%	73.3	72.9	-0.4	-0.6%
12.3%	73.2	72.9	-0.3	-0.4%
13.6%	73.1	72.6	-0.5	-0.7%
14.8%	73.1	72.5	-0.5	-0.7%
16.0%	72.9	72.5	-0.4	-0.6%
17.3%	72.8	72.2	-0.6	-0.9%
18.5%	72.8	72.1	-0.7	-0.9%
19.8%	72.3	71.9	-0.4	-0.5%
21.0%	72.0	71.7	-0.3	-0.4%
22.2%	71.9	71.4	-0.5	-0.7%
23.5%	71.6	71.2	-0.4	-0.6%
24.7%	71.5	71.2	-0.4	-0.5%
25.9%	71.5	70.9	-0.6	-0.8%
27.2%	71.4	70.8	-0.6	-0.9%
28.4%	71.0	70.7	-0.3	-0.4%
29.6%	70.9	70.6	-0.3	-0.5%
30.9%	70.9	70.6	-0.3	-0.4%
32.1%	70.8	70.5	-0.3	-0.4%
33.3%	70.8	70.5	-0.3	-0.4%
34.6%	70.8	70.5	-0.3	-0.4%
35.8%	70.7	70.4	-0.3	-0.4%
37.0%	70.6	70.4	-0.2	-0.3%
38.3%	70.5	70.2	-0.3	-0.4%
39.5%	70.4	70.1	-0.3	-0.4%
40.7%	70.4	69.7	-0.7	-0.9%
42.0%	70.2	69.7	-0.5	-0.8%
43.2%	70.0	69.5	-0.5	-0.7%
44.4%	70.0	69.5	-0.5	-0.7%
45.7%	70.0	69.2	-0.8	-1.1%
46.9%	69.9	69.1	-0.8	-1.1%
48.1%	69.8	69.1	-0.7	-1.1%
49.4%	69.7	69.1	-0.7	-0.9%
50.6%	69.7	68.9	-0.8	-1.1%
51.9%	69.7	68.9	-0.8	-1.1%
53.1%	69.6	68.8	-0.8	-1.1%
54.3%	69.4	68.7	-0.7	-1.0%
55.6%	69.3	68.6	-0.7	-1.0%
56.8%	69.0	68.5	-0.4	-0.6%
58.0%	68.9	68.5	-0.5	-0.7%
59.3%	68.8	68.5	-0.4	-0.5%
60.5%	68.6	68.4	-0.3	-0.4%
61.7%	68.6	68.2	-0.4	-0.5%
63.0%	68.4	68.0	-0.3	-0.5%
64.2%	68.3	67.9	-0.3	-0.5%
65.4%	68.1	67.9	-0.2	-0.3%
66.7%	68.0	67.7	-0.3	-0.4%
67.9%	67.9	67.7	-0.2	-0.4%
69.1%	67.7	67.7	0.0	0.0%
70.4%	67.7	67.5	-0.2	-0.3%
71.6%	67.6	67.2	-0.4	-0.5%
72.8%	67.2	67.2	0.0	0.0%
74.1%	67.2	67.0	-0.1	-0.2%
75.3%	67.0	67.0	0.0	-0.1%
76.5%	67.0	66.9	-0.1	-0.1%
77.8%	66.9	66.8	-0.1	-0.1%
79.0%	66.9	66.8	-0.1	-0.1%
80.2%	66.8	66.7	-0.2	-0.3%
81.5%	66.7	66.5	-0.2	-0.3%
82.7%	66.5	66.4	-0.1	-0.1%
84.0%	66.4	66.4	0.0	0.0%
85.2%	66.3	66.3	0.0	0.0%
86.4%	66.1	66.3	0.2	0.3%
87.7%	65.6	66.1	0.5	0.8%
88.9%	65.3	65.8	0.5	0.7%
90.1%	64.9	65.2	0.3	0.4%
91.4%	64.8	65.1	0.3	0.4%
92.6%	64.7	64.7	0.0	0.0%
93.8%	64.4	64.4	0.0	0.0%
95.1%	64.3	64.3	0.0	0.0%
96.3%	61.7	61.7	0.0	0.0%
97.5%	61.0	61.0	0.0	0.0%
98.8%	60.2	60.2	0.0	0.0%
100.0%	60.2	60.2	0.0	0.0%

Table SQ11-1b

American River at the Mouth, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	83.9	83.4	-0.5	-0.6%
1.2%	82.8	82.8	-0.1	-0.1%
2.5%	81.6	81.2	-0.5	-0.6%
3.7%	81.5	79.6	-1.9	-2.3%
4.9%	80.6	79.1	-1.5	-1.9%
6.2%	80.2	78.9	-1.3	-1.6%
7.4%	79.9	78.6	-1.3	-1.6%
8.6%	79.1	78.3	-0.8	-1.0%
9.9%	79.1	77.4	-1.7	-2.1%
11.1%	79.0	77.3	-1.7	-2.2%
12.3%	79.0	76.6	-2.4	-3.1%
13.6%	78.5	76.5	-2.0	-2.5%
14.8%	78.1	76.4	-1.7	-2.2%
16.0%	77.9	76.3	-1.6	-2.0%
17.3%	77.7	76.2	-1.5	-1.9%
18.5%	77.5	76.1	-1.4	-1.8%
19.8%	77.4	76.1	-1.4	-1.8%
21.0%	77.4	76.1	-1.3	-1.7%
22.2%	77.3	75.6	-1.7	-2.2%
23.5%	77.1	75.6	-1.6	-2.0%
24.7%	77.0	75.6	-1.5	-1.9%
25.9%	77.0	75.5	-1.5	-2.0%
27.2%	76.8	75.4	-1.4	-1.8%
28.4%	76.8	75.4	-1.4	-1.8%
29.6%	76.6	75.3	-1.3	-1.7%
30.9%	76.6	75.3	-1.3	-1.7%
32.1%	76.5	75.2	-1.3	-1.7%
33.3%	76.4	75.1	-1.3	-1.7%
34.6%	76.4	74.9	-1.5	-1.9%
35.8%	76.3	74.9	-1.5	-1.9%
37.0%	76.3	74.8	-1.4	-1.9%
38.3%	76.2	74.7	-1.4	-1.9%
39.5%	76.1	74.7	-1.5	-1.9%
40.7%	75.7	74.4	-1.3	-1.7%
42.0%	75.7	74.4	-1.3	-1.7%
43.2%	75.4	74.4	-1.0	-1.3%
44.4%	75.3	74.3	-1.0	-1.4%
45.7%	75.3	74.3	-1.0	-1.3%
46.9%	74.9	74.2	-0.7	-0.9%
48.1%	74.8	74.1	-0.7	-0.9%
49.4%	74.7	74.0	-0.7	-1.0%
50.6%	74.6	73.8	-0.9	-1.2%
51.9%	74.5	73.8	-0.8	-1.0%
53.1%	74.4	73.8	-0.7	-0.9%
54.3%	74.3	73.7	-0.7	-0.9%
55.6%	74.2	73.6	-0.5	-0.7%
56.8%	74.1	73.6	-0.5	-0.7%
58.0%	74.0	73.5	-0.5	-0.7%
59.3%	73.7	73.4	-0.3	-0.4%
60.5%	73.7	73.3	-0.4	-0.6%
61.7%	73.6	73.2	-0.3	-0.4%
63.0%	73.3	73.1	-0.2	-0.3%
64.2%	72.9	73.0	0.1	0.2%
65.4%	72.9	73.0	0.1	0.2%
66.7%	72.8	72.8	0.0	0.0%
67.9%	72.7	72.8	0.1	0.1%
69.1%	72.7	72.8	0.1	0.1%
70.4%	72.6	72.8	0.1	0.1%
71.6%	72.5	72.7	0.2	0.3%
72.8%	72.5	72.6	0.1	0.2%
74.1%	72.3	72.6	0.2	0.3%
75.3%	71.8	72.5	0.8	1.1%
76.5%	71.7	72.5	0.8	1.1%
77.8%	71.5	72.3	0.8	1.0%
79.0%	71.5	72.3	0.8	1.1%
80.2%	71.3	71.9	0.6	0.9%
81.5%	71.3	71.5	0.3	0.4%
82.7%	71.1	71.5	0.5	0.7%
84.0%	71.0	71.2	0.2	0.3%
85.2%	70.9	71.0	0.1	0.1%
86.4%	70.5	71.0	0.6	0.8%
87.7%	70.4	70.5	0.0	0.1%
88.9%	70.4	70.4	0.0	0.0%
90.1%	70.3	69.7	-0.6	-0.8%
91.4%	70.2	69.4	-0.8	-1.1%
92.6%	70.1	69.4	-0.7	-0.9%
93.8%	69.7	69.4	-0.3	-0.5%
95.1%	69.4	69.3	-0.1	-0.2%
96.3%	69.4	68.9	-0.4	-0.6%
97.5%	68.2	68.7	0.5	0.7%
98.8%	68.1	67.7	-0.5	-0.7%
100.0%	68.1	67.7	-0.5	-0.7%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	88.0	86.3	-1.7	-1.9%
1.2%	86.7	84.3	-2.4	-2.8%
2.5%	85.6	83.4	-2.2	-2.6%
3.7%	85.1	83.4	-1.7	-2.0%
4.9%	83.9	82.4	-1.5	-1.8%
6.2%	82.3	82.3	0.0	0.1%
7.4%	82.1	82.1	0.1	0.1%
8.6%	81.3	80.5	-0.9	-1.1%
9.9%	80.3	79.8	-0.5	-0.6%
11.1%	80.1	78.0	-2.1	-2.6%
12.3%	80.0	77.9	-2.1	-2.6%
13.6%	78.0	77.6	-0.4	-0.6%
14.8%	77.9	77.5	-0.4	-0.5%
16.0%	77.7	77.2	-0.5	-0.7%
17.3%	77.6	77.0	-0.6	-0.8%
18.5%	77.0	76.5	-0.5	-0.6%
19.8%	76.9	76.2	-0.7	-0.9%
21.0%	76.8	76.1	-0.7	-1.0%
22.2%	76.7	75.7	-1.0	-1.3%
23.5%	76.6	75.7	-0.9	-1.2%
24.7%	76.5	75.7	-0.8	-1.0%
25.9%	76.5	75.7	-0.8	-1.1%
27.2%	76.2	75.6	-0.6	-0.8%
28.4%	76.1	75.6	-0.6	-0.7%
29.6%	76.0	75.5	-0.5	-0.6%
30.9%	75.8	75.4	-0.3	-0.5%
32.1%	75.3	75.3	0.0	0.0%
33.3%	75.3	75.3	0.0	0.1%
34.6%	75.2	75.3	0.0	0.1%
35.8%	75.2	75.3	0.0	0.1%
37.0%	75.2	75.3	0.0	0.0%
38.3%	75.1	75.1	0.0	0.0%
39.5%	75.1	75.0	-0.1	-0.1%
40.7%	74.8	74.9	0.1	0.2%
42.0%	74.7	74.8	0.1	0.2%
43.2%	74.7	74.8	0.1	0.2%
44.4%	74.6	74.7	0.1	0.1%
45.7%	74.4	74.4	0.0	0.0%
46.9%	74.3	74.4	0.1	0.1%
48.1%	74.1	74.1	0.0	0.0%
49.4%	73.9	74.0	0.1	0.2%
50.6%	73.7	74.0	0.3	0.4%
51.9%	73.7	73.9	0.3	0.3%
53.1%	73.5	73.9	0.4	0.5%
54.3%	73.4	73.8	0.4	0.6%
55.6%	73.4	73.8	0.4	0.6%
56.8%	73.3	73.6	0.3	0.4%
58.0%	73.2	73.5	0.3	0.4%
59.3%	72.9	73.5	0.6	0.8%
60.5%	72.9	73.1	0.2	0.3%
61.7%	72.8	72.8	0.0	0.0%
63.0%	72.4	72.8	0.4	0.5%
64.2%	72.4	72.8	0.4	0.5%
65.4%	72.4	72.6	0.2	0.3%
66.7%	72.4	72.6	0.2	0.3%
67.9%	72.3	72.5	0.2	0.3%
69.1%	72.1	72.4	0.2	0.3%
70.4%	72.1	72.3	0.1	0.2%
71.6%	72.1	72.2	0.1	0.1%
72.8%	72.0	72.1	0.0	0.1%
74.1%	71.8	72.1	0.2	0.3%
75.3%	71.8	72.0	0.2	0.3%
76.5%	71.6	71.8	0.2	0.3%
77.8%	71.5	71.7	0.2	0.2%
79.0%	71.4	71.3	-0.1	-0.1%
80.2%	71.4	71.3	-0.1	-0.1%
81.5%	71.4	71.3	-0.1	-0.1%
82.7%	71.3	71.2	-0.2	-0.2%
84.0%	71.3	71.0	-0.3	-0.4%
85.2%	71.2	71.0	-0.2	-0.3%
86.4%	71.2	70.9	-0.3	-0.4%
87.7%	71.2	70.9	-0.3	-0.4%
88.9%	71.0	70.6	-0.4	-0.6%
90.1%	71.0	70.5	-0.4	-0.6%
91.4%	70.9	70.5	-0.4	-0.6%
92.6%	70.9	70.3	-0.5	-0.8%
93.8%	70.8	70.3	-0.6	-0.8%
95.1%	70.8	70.1	-0.6	-0.9%
96.3%	70.8	70.1	-0.7	-1.0%
97.5%	70.6	69.7	-0.8	-1.2%
98.8%	70.5	69.6	-0.8	-1.2%
100.0%	70.5	69.6	-0.8	-1.2%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	87.0	83.9	-3.0	-3.5%
1.2%	84.4	83.8	-0.6	-0.7%
2.5%	84.3	83.3	-1.0	-1.2%
3.7%	83.2	82.2	-1.0	-1.2%
4.9%	82.9	81.2	-1.8	-2.2%
6.2%	81.9	80.9	-1.0	-1.2%
7.4%	81.7	80.6	-1.1	-1.3%
8.6%	81.3	79.9	-1.4	-1.7%
9.9%	81.1	79.7	-1.4	-1.8%
11.1%	80.6	79.6	-1.0	-1.3%
12.3%	80.5	79.5	-0.9	-1.2%
13.6%	79.6	79.3	-0.3	-0.4%
14.8%	79.4	79.2	-0.3	-0.3%
16.0%	79.4	79.1	-0.3	-0.4%
17.3%	79.4	79.0	-0.4	-0.5%
18.5%	79.2	78.9	-0.3	-0.4%
19.8%	79.1	78.8	-0.3	-0.4%
21.0%	79.1	78.3	-0.8	-1.0%
22.2%	79.1	78.2	-0.8	-1.1%
23.5%	79.1	77.7	-1.3	-1.7%
24.7%	79.0	77.3	-1.7	-2.1%
25.9%	79.0	77.3	-1.7	-2.2%
27.2%	78.8	77.2	-1.6	-2.0%
28.4%	78.6	76.7	-1.9	-2.4%
29.6%	78.4	76.7	-1.8	-2.2%
30.9%	78.3	76.6	-1.6	-2.1%
32.1%	78.2	76.6	-1.6	-2.0%
33.3%	78.0	76.5	-1.5	-1.9%
34.6%	77.9	76.3	-1.6	-2.0%
35.8%	77.9	76.3	-1.6	-2.0%
37.0%	77.8	76.2	-1.6	-2.0%
38.3%	77.8	75.8	-2.0	-2.5%
39.5%	77.8	75.8	-2.0	-2.6%
40.7%	77.7	75.6	-2.1	-2.7%
42.0%	77.6	75.5	-2.1	-2.7%
43.2%	77.5	75.5	-2.1	-2.6%
44.4%	77.4	75.4	-1.9	-2.5%
45.7%	77.3	75.4	-1.9	-2.5%
46.9%	77.3	75.3	-2.0	-2.5%
48.1%	77.2	75.3	-1.9	-2.5%
49.4%	77.0	75.2	-1.7	-2.3%
50.6%	76.4	75.2	-1.3	-1.6%
51.9%	76.3	75.1	-1.2	-1.6%
53.1%	76.2	75.0	-1.2	-1.6%
54.3%	76.1	75.0	-1.1	-1.4%
55.6%	75.9	74.9	-1.0	-1.4%
56.8%	75.9	74.8	-1.1	-1.4%
58.0%	75.8	74.8	-1.0	-1.4%
59.3%	75.6	74.7	-0.9	-1.2%
60.5%	75.4	74.7	-0.7	-0.9%
61.7%	75.3	74.6	-0.6	-0.8%
63.0%	75.1	74.5	-0.6	-0.8%
64.2%	75.1	74.5	-0.5	-0.7%
65.4%	74.8	74.5	-0.3	-0.4%
66.7%	74.8	74.4	-0.4	-0.5%
67.9%	74.7	74.4	-0.4	-0.5%
69.1%	74.5	74.2	-0.3	-0.4%
70.4%	74.2	74.1	-0.2	-0.2%
71.6%	74.2	74.0	-0.2	-0.3%
72.8%	74.2	74.0	-0.2	-0.3%
74.1%	74.2	74.0	-0.2	-0.3%
75.3%	74.1	73.7	-0.4	-0.5%
76.5%	74.0	73.7	-0.3	-0.5%
77.8%	73.8	73.7	-0.1	-0.2%
79.0%	73.5	73.7	0.1	0.2%
80.2%	73.5	73.6	0.1	0.2%
81.5%	73.2	73.6	0.4	0.5%
82.7%	73.1	73.4	0.3	0.5%
84.0%	72.9	73.3	0.3	0.4%
85.2%	72.8	73.2	0.4	0.6%
86.4%	72.8	73.2	0.4	0.5%
87.7%	72.8	73.1	0.3	0.5%
88.9%	72.6	73.1	0.5	0.6%
90.1%	72.5	73.0	0.5	0.7%
91.4%	72.5	73.0	0.5	0.6%
92.6%	72.2	72.9	0.8	1.1%
93.8%	72.0	72.9	0.9	1.3%
95.1%	71.9	72.8	0.9	1.2%
96.3%	71.2	72.5	1.3	1.8%
97.5%	70.7	72.1	1.4	2.0%
98.8%	70.2	71.7	1.6	2.2%
100.0%	70.2	71.7	1.6	2.2%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	81.9	81.8	-0.1	-0.1%
1.2%	80.3	79.2	-1.1	-1.4%
2.5%	80.2	78.9	-1.3	-1.6%
3.7%	80.0	78.3	-1.6	-2.0%
4.9%	79.9	77.4	-2.5	-3.2%
6.2%	79.9	77.4	-2.6	-3.2%
7.4%	79.1	77.3	-1.8	-2.3%
8.6%	79.1	77.2	-1.9	-2.4%
9.9%	78.9	77.1	-1.8	-2.2%
11.1%	77.6	77.1	-0.5	-0.6%
12.3%	77.4	77.0	-0.4	-0.5%
13.6%	77.0	76.7	-0.3	-0.4%
14.8%	77.0	76.5	-0.4	-0.6%
16.0%	76.9	76.3	-0.6	-0.8%
17.3%	76.8	76.2	-0.6	-0.8%
18.5%	76.8	76.0	-0.8	-1.0%
19.8%	76.7	75.7	-1.0	-1.3%
21.0%	76.6	75.4	-1.3	-1.6%
22.2%	76.4	75.1	-1.3	-1.7%
23.5%	76.4	75.1	-1.3	-1.7%
24.7%	76.2	75.0	-1.2	-1.6%
25.9%	75.9	74.8	-1.1	-1.4%
27.2%	75.9	74.8	-1.1	-1.4%
28.4%	75.4	74.7	-0.7	-0.9%
29.6%	75.4	74.6	-0.8	-1.1%
30.9%	75.3	74.5	-0.8	-1.0%
32.1%	75.2	74.4	-0.8	-1.1%
33.3%	75.2	74.2	-0.9	-1.2%
34.6%	75.2	74.2	-1.0	-1.3%
35.8%	75.1	74.1	-0.9	-1.2%
37.0%	75.0	74.1	-0.8	-1.1%
38.3%	74.9	74.1	-0.7	-1.0%
39.5%	74.8	74.1	-0.7	-1.0%
40.7%	74.6	73.8	-0.8	-1.0%
42.0%	74.4	73.8	-0.6	-0.7%
43.2%	74.2	73.8	-0.4	-0.5%
44.4%	74.2	73.8	-0.4	-0.6%
45.7%	74.1	73.7	-0.5	-0.6%
46.9%	74.1	73.6	-0.5	-0.7%
48.1%	74.0	73.5	-0.5	-0.7%
49.4%	73.9	73.5	-0.5	-0.6%
50.6%	73.9	73.3	-0.7	-0.9%
51.9%	73.9	73.1	-0.8	-1.1%
53.1%	73.7	72.9	-0.8	-1.1%
54.3%	73.7	72.9	-0.8	-1.0%
55.6%	73.6	72.9	-0.8	-1.0%
56.8%	73.6	72.9	-0.8	-1.0%
58.0%	73.4	72.8	-0.7	-0.9%
59.3%	73.3	72.6	-0.7	-0.9%
60.5%	73.2	72.6	-0.5	-0.7%
61.7%	73.1	72.6	-0.5	-0.7%
63.0%	73.0	72.6	-0.4	-0.5%
64.2%	72.9	72.6	-0.3	-0.4%
65.4%	72.8	72.6	-0.2	-0.3%
66.7%	72.8	72.4	-0.3	-0.4%
67.9%	72.7	72.4	-0.3	-0.4%
69.1%	72.7	72.4	-0.3	-0.4%
70.4%	72.6	72.3	-0.4	-0.5%
71.6%	72.5	72.2	-0.2	-0.3%
72.8%	72.5	72.2	-0.2	-0.3%
74.1%	72.4	72.2	-0.2	-0.3%
75.3%	72.4	72.0	-0.3	-0.4%
76.5%	72.3	72.0	-0.3	-0.4%
77.8%	72.3	72.0	-0.3	-0.4%
79.0%	72.2	71.9	-0.3	-0.4%
80.2%	72.1	71.9	-0.3	-0.4%
81.5%	72.0	71.7	-0.3	-0.4%
82.7%	72.0	71.6	-0.4	-0.6%
84.0%	71.8	71.3	-0.5	-0.7%
85.2%	71.7	71.1	-0.6	-0.8%
86.4%	71.6	71.0	-0.5	-0.7%
87.7%	71.3	70.8	-0.5	-0.7%
88.9%	70.9	70.8	-0.1	-0.1%
90.1%	70.9	70.8	-0.1	-0.2%
91.4%	70.9	70.6	-0.3	-0.4%
92.6%	70.5	70.5	0.0	0.0%
93.8%	70.5	70.1	-0.4	-0.6%
95.1%	70.3	69.9	-0.4	-0.6%
96.3%	70.0	69.3	-0.7	-1.0%
97.5%	69.4	69.0	-0.4	-0.6%
98.8%	68.9	68.9	0.0	0.0%
100.0%	68.9	68.9	0.0	0.0%

Table SQ11-1b

American River at the Mouth, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	83.2	83.8	0.6	0.7%
1.2%	82.1	80.4	-1.6	-2.0%
2.5%	81.7	80.4	-1.3	-1.6%
3.7%	81.3	80.3	-1.0	-1.3%
4.9%	80.9	80.2	-0.7	-0.9%
6.2%	80.7	80.0	-0.7	-0.9%
7.4%	80.6	79.8	-0.8	-1.0%
8.6%	78.6	78.9	0.3	0.3%
9.9%	78.5	78.3	-0.2	-0.2%
11.1%	78.4	78.1	-0.3	-0.4%
12.3%	78.1	77.6	-0.5	-0.7%
13.6%	78.0	77.5	-0.5	-0.7%
14.8%	78.0	77.4	-0.6	-0.8%
16.0%	77.9	77.3	-0.6	-0.8%
17.3%	77.5	77.1	-0.4	-0.5%
18.5%	77.1	75.9	-1.2	-1.5%
19.8%	76.9	75.8	-1.1	-1.4%
21.0%	76.8	75.8	-1.1	-1.4%
22.2%	76.7	75.7	-1.0	-1.3%
23.5%	76.7	75.6	-1.1	-1.4%
24.7%	76.3	75.6	-0.7	-1.0%
25.9%	76.2	75.5	-0.7	-0.9%
27.2%	76.0	75.5	-0.5	-0.7%
28.4%	75.9	75.5	-0.5	-0.6%
29.6%	75.7	75.2	-0.5	-0.6%
30.9%	75.7	75.0	-0.6	-0.9%
32.1%	75.6	74.8	-0.8	-1.1%
33.3%	75.4	74.6	-0.8	-1.0%
34.6%	75.3	74.5	-0.8	-1.1%
35.8%	75.3	74.2	-1.0	-1.4%
37.0%	75.3	74.1	-1.1	-1.5%
38.3%	75.2	74.1	-1.1	-1.5%
39.5%	75.2	74.0	-1.2	-1.6%
40.7%	75.0	73.9	-1.1	-1.5%
42.0%	75.0	73.9	-1.0	-1.4%
43.2%	74.9	73.9	-1.0	-1.3%
44.4%	74.9	73.9	-1.0	-1.3%
45.7%	74.8	73.9	-0.9	-1.2%
46.9%	74.7	73.8	-0.9	-1.2%
48.1%	74.6	73.8	-0.9	-1.1%
49.4%	74.6	73.7	-0.8	-1.1%
50.6%	74.5	73.7	-0.9	-1.2%
51.9%	74.4	73.6	-0.8	-1.1%
53.1%	74.2	73.5	-0.7	-0.9%
54.3%	74.1	73.4	-0.7	-0.9%
55.6%	74.0	73.4	-0.6	-0.9%
56.8%	74.0	73.4	-0.6	-0.9%
58.0%	74.0	73.3	-0.6	-0.8%
59.3%	73.9	73.3	-0.6	-0.8%
60.5%	73.9	73.3	-0.6	-0.8%
61.7%	73.9	73.3	-0.6	-0.8%
63.0%	73.8	73.2	-0.7	-0.9%
64.2%	73.7	73.2	-0.6	-0.8%
65.4%	73.7	73.2	-0.6	-0.8%
66.7%	73.6	73.1	-0.5	-0.7%
67.9%	73.6	73.1	-0.4	-0.6%
69.1%	73.5	73.0	-0.5	-0.7%
70.4%	73.5	73.0	-0.4	-0.6%
71.6%	73.3	73.0	-0.3	-0.4%
72.8%	73.3	72.9	-0.3	-0.5%
74.1%	73.2	72.9	-0.3	-0.4%
75.3%	73.2	72.8	-0.3	-0.5%
76.5%	73.1	72.8	-0.3	-0.5%
77.8%	73.1	72.8	-0.3	-0.4%
79.0%	73.0	72.7	-0.3	-0.4%
80.2%	73.0	72.7	-0.3	-0.4%
81.5%	73.0	72.6	-0.3	-0.5%
82.7%	73.0	72.6	-0.3	-0.5%
84.0%	72.9	72.6	-0.2	-0.3%
85.2%	72.8	72.5	-0.3	-0.4%
86.4%	72.7	72.4	-0.3	-0.4%
87.7%	72.6	72.4	-0.2	-0.3%
88.9%	72.6	72.3	-0.3	-0.4%
90.1%	72.5	72.3	-0.2	-0.2%
91.4%	72.5	72.3	-0.2	-0.3%
92.6%	72.3	72.2	-0.1	-0.1%
93.8%	72.2	72.2	0.0	0.0%
95.1%	72.2	72.0	-0.2	-0.3%
96.3%	72.2	71.6	-0.5	-0.7%
97.5%	72.0	71.6	-0.4	-0.5%
98.8%	71.8	71.2	-0.5	-0.7%
100.0%	70.8	70.5	-0.3	-0.4%

July to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	84.2	84.0	-0.3	-0.3%
1.2%	83.5	81.0	-2.5	-3.0%
2.5%	81.8	80.8	-0.9	-1.1%
3.7%	81.6	80.2	-1.4	-1.7%
4.9%	81.1	80.1	-1.0	-1.2%
6.2%	80.4	80.0	-0.5	-0.6%
7.4%	80.0	79.9	-0.1	-0.1%
8.6%	79.3	79.5	0.3	0.3%
9.9%	79.3	79.4	0.1	0.2%
11.1%	79.1	78.7	-0.4	-0.5%
12.3%	79.1	78.1	-1.0	-1.2%
13.6%	79.0	78.0	-1.0	-1.2%
14.8%	78.1	77.9	-0.1	-0.2%
16.0%	77.8	77.9	0.1	0.1%
17.3%	77.6	77.5	-0.1	-0.1%
18.5%	77.5	77.4	-0.1	-0.1%
19.8%	77.1	76.7	-0.4	-0.6%
21.0%	77.1	76.7	-0.4	-0.5%
22.2%	76.8	76.6	-0.2	-0.3%
23.5%	76.7	75.9	-0.8	-1.1%
24.7%	76.7	75.6	-1.1	-1.4%
25.9%	76.6	75.6	-1.0	-1.3%
27.2%	76.5	75.4	-1.1	-1.4%
28.4%	76.4	75.4	-1.0	-1.3%
29.6%	76.1	75.4	-0.7	-0.9%
30.9%	75.7	75.2	-0.5	-0.7%
32.1%	75.7	75.2	-0.5	-0.6%
33.3%	75.6	75.2	-0.5	-0.6%
34.6%	75.6	74.9	-0.7	-0.9%
35.8%	75.5	74.9	-0.6	-0.8%
37.0%	75.5	74.6	-0.9	-1.2%
38.3%	75.4	74.6	-0.9	-1.1%
39.5%	75.4	74.4	-1.0	-1.3%
40.7%	75.2	74.3	-0.9	-1.1%
42.0%	75.1	74.2	-0.9	-1.2%
43.2%	75.1	74.0	-1.1	-1.4%
44.4%	74.9	74.0	-1.0	-1.3%
45.7%	74.9	73.9	-1.0	-1.3%
46.9%	74.4	73.8	-0.6	-0.8%
48.1%	74.4	73.8	-0.6	-0.8%
49.4%	74.3	73.8	-0.5	-0.7%
50.6%	74.3	73.7	-0.5	-0.7%
51.9%	74.2	73.7	-0.5	-0.7%
53.1%	74.2	73.7	-0.5	-0.7%
54.3%	74.2	73.6	-0.6	-0.8%
55.6%	74.2	73.6	-0.6	-0.8%
56.8%	74.1	73.5	-0.7	-0.9%
58.0%	74.1	73.4	-0.7	-0.9%
59.3%	74.1	73.4	-0.7	-0.9%
60.5%	73.9	73.4	-0.5	-0.7%
61.7%	73.8	73.4	-0.4	-0.5%
63.0%	73.7	73.3	-0.4	-0.5%
64.2%	73.7	73.2	-0.5	-0.7%
65.4%	73.7	73.1	-0.6	-0.8%
66.7%	73.5	73.1	-0.4	-0.6%
67.9%	73.5	73.1	-0.5	-0.6%
69.1%	73.5	73.1	-0.5	-0.6%
70.4%	73.5	73.0	-0.5	-0.6%
71.6%	73.5	72.9	-0.6	-0.8%
72.8%	73.5	72.9	-0.6	-0.8%
74.1%	73.4	72.7	-0.7	-0.9%
75.3%	73.3	72.7	-0.6	-0.8%
76.5%	73.2	72.7	-0.5	-0.7%
77.8%	73.2	72.6	-0.5	-0.8%
79.0%	73.1	72.6	-0.4	-0.6%
80.2%	73.0	72.6	-0.4	-0.6%
81.5%	72.9	72.6	-0.3	-0.4%
82.7%	72.9	72.6	-0.3	-0.4%
84.0%	72.8	72.5	-0.3	-0.4%
85.2%	72.7	72.5	-0.2	-0.3%
86.4%	72.7	72.5	-0.2	-0.3%
87.7%	72.6	72.3	-0.3	-0.5%
88.9%	72.6	72.3	-0.3	-0.5%
90.1%	72.5	72.2	-0.3	-0.4%
91.4%	72.4	72.2	-0.2	-0.3%
92.6%	72.4	72.0	-0.4	-0.5%
93.8%	72.3	71.8	-0.5	-0.6%
95.1%	72.3	71.7	-0.6	-0.8%
96.3%	72.2	71.7	-0.5	-0.7%
97.5%	72.0	71.5	-0.6	-0.8%
98.8%	71.5	70.9	-0.6	-0.9%
100.0%	71.0	70.6	-0.4	-0.6%

August to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	83.5	82.8	-0.6	-0.8%
1.2%	82.4	81.6	-0.8	-1.0%
2.5%	82.4	80.8	-1.6	-1.9%
3.7%	82.1	80.0	-2.1	-2.5%
4.9%	81.1	79.7	-1.3	-1.7%
6.2%	80.1	79.0	-1.1	-1.4%
7.4%	80.1	78.9	-1.2	-1.5%
8.6%	79.6	78.3	-1.4	-1.7%
9.9%	79.0	78.3	-0.7	-0.9%
11.1%	79.0	78.2	-0.8	-1.0%
12.3%	78.8	78.1	-0.8	-1.0%
13.6%	78.7	77.9	-0.8	-1.1%
14.8%	78.7	77.8	-0.9	-1.1%
16.0%	78.4	77.5	-0.9	-1.1%
17.3%	78.0	77.4	-0.7	-0.9%
18.5%	77.9	77.2	-0.7	-0.9%
19.8%	77.7	77.1	-0.6	-0.7%
21.0%	77.2	77.1	-0.1	-0.1%
22.2%	77.2	76.8	-0.4	-0.5%
23.5%	77.1	76.2	-0.9	-1.1%
24.7%	77.0	75.7	-1.3	-1.7%
25.9%	77.0	75.7	-1.3	-1.7%
27.2%	76.9	75.5	-1.4	-1.8%
28.4%	76.8	75.5	-1.3	-1.7%
29.6%	76.5	75.3	-1.2	-1.6%
30.9%	76.5	75.3	-1.2	-1.6%
32.1%	76.3	75.2	-1.1	-1.5%
33.3%	76.3	75.2	-1.1	-1.5%
34.6%	76.1	75.0	-1.1	-1.4%
35.8%	76.1	75.0	-1.1	-1.4%
37.0%	76.1	74.9	-1.1	-1.5%
38.3%	75.8	74.8	-1.0	-1.3%
39.5%	75.7	74.7	-1.0	-1.3%
40.7%	75.7	74.7	-1.0	-1.3%
42.0%	75.6	74.7	-0.9	-1.2%
43.2%	75.5	74.5	-1.0	-1.3%
44.4%	75.5	74.4	-1.1	-1.4%
45.7%	75.5	74.4	-1.1	-1.4%
46.9%	75.3	74.4	-1.0	-1.3%
48.1%	75.1	74.3	-0.8	-1.1%
49.4%	75.1	74.3	-0.8	-1.1%
50.6%	75.0	74.2	-0.9	-1.2%
51.9%	75.0	74.1	-0.9	-1.1%
53.1%	75.0	74.1	-0.9	-1.2%
54.3%	74.9	74.0	-0.9	-1.2%
55.6%	74.9	74.0	-0.9	-1.2%
56.8%	74.8	74.0	-0.8	-1.1%
58.0%	74.5	73.8	-0.7	-1.0%
59.3%	74.5	73.8	-0.7	-1.0%
60.5%	74.5	73.8	-0.7	-0.9%
61.7%	74.2	73.7	-0.5	-0.6%
63.0%	74.1	73.7	-0.4	-0.5%
64.2%	73.7	73.6	-0.1	-0.1%
65.4%	73.7	73.5	-0.2	-0.2%
66.7%	73.6	73.3	-0.3	-0.4%
67.9%	73.6	73.3	-0.3	-0.4%
69.1%	73.5	73.1	-0.4	-0.5%
70.4%	73.4	73.0	-0.4	-0.5%
71.6%	73.3	73.0	-0.4	-0.5%
72.8%	73.3	72.9	-0.4	-0.6%
74.1%	73.2	72.9	-0.3	-0.4%
75.3%	73.1	72.8	-0.3	-0.4%
76.5%	73.1	72.7	-0.4	-0.5%
77.8%	73.0	72.7	-0.3	-0.5%
79.0%	73.0	72.7	-0.3	-0.4%
80.2%	72.9	72.7	-0.3	-0.4%
81.5%	72.9	72.6	-0.3	-0.4%
82.7%	72.9	72.6	-0.3	-0.4%
84.0%	72.8	72.5	-0.3	-0.5%
85.2%	72.8	72.5	-0.4	-0.5%
86.4%	72.7	72.3	-0.4	-0.5%
87.7%	72.6	72.3	-0.3	-0.5%
88.9%	72.6	72.3	-0.3	-0.5%
90.1%	72.6	72.3	-0.3	-0.5%
91.4%	72.4	72.2	-0.3	-0.4%
92.6%	72.4	72.2	-0.3	-0.3%
93.8%	72.0	72.1	0.1	0.2%
95.1%	71.9	71.9	0.0	-0.1%
96.3%	71.6	71.3	-0.3	-0.4%
97.5%	71.5	71.3	-0.3	-0.4%
98.8%	71.0	71.1	0.0	0.0%
100.0%	70.8	70.9	0.1	0.1%

Figure SQ12-1b
Trinity River below Lewiston Dam, Monthly Temperature
Probability of Exceedance

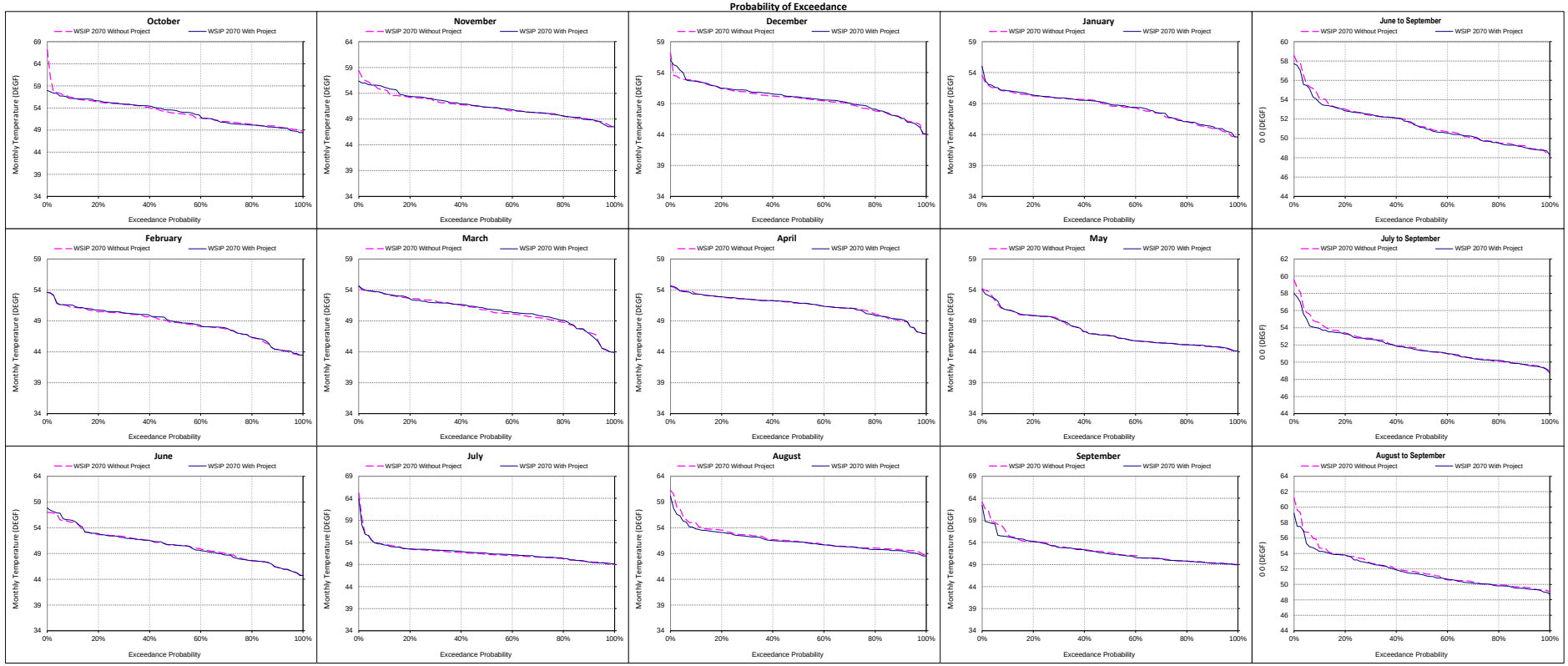


Table SQ12-1b

Trinity River below Lewiston Dam, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.2	58.0	-9.2	-13.7%
1.2%	60.8	57.7	-3.1	-5.1%
2.5%	57.5	57.4	-0.2	-0.3%
3.7%	57.5	57.3	-0.2	-0.4%
4.9%	57.3	56.7	-0.6	-1.0%
6.2%	57.0	56.7	-0.3	-0.5%
7.4%	56.8	56.6	-0.3	-0.5%
8.6%	56.5	56.1	-0.3	-0.6%
9.9%	56.4	56.1	-0.2	-0.4%
11.1%	56.0	56.1	0.1	0.2%
12.3%	55.9	56.1	0.2	0.3%
13.6%	55.8	56.1	0.2	0.4%
14.8%	55.8	56.0	0.3	0.5%
16.0%	55.8	56.0	0.3	0.5%
17.3%	55.6	56.0	0.3	0.6%
18.5%	55.5	55.7	0.2	0.4%
19.8%	55.3	55.6	0.3	0.5%
21.0%	55.2	55.6	0.3	0.6%
22.2%	55.2	55.3	0.2	0.3%
23.5%	55.1	55.3	0.2	0.3%
24.7%	55.1	55.2	0.1	0.3%
25.9%	55.0	55.1	0.1	0.2%
27.2%	55.0	55.1	0.1	0.3%
28.4%	55.0	54.9	0.0	-0.1%
29.6%	54.9	54.9	0.0	0.0%
30.9%	54.8	54.8	0.0	0.0%
32.1%	54.8	54.8	0.0	0.0%
33.3%	54.5	54.7	0.1	0.3%
34.6%	54.5	54.6	0.1	0.2%
35.8%	54.5	54.5	0.0	0.0%
37.0%	54.5	54.5	0.0	0.0%
38.3%	54.2	54.5	0.3	0.6%
39.5%	54.2	54.5	0.3	0.6%
40.7%	53.9	54.3	0.4	0.8%
42.0%	53.8	54.1	0.3	0.6%
43.2%	53.7	54.0	0.3	0.6%
44.4%	53.4	53.9	0.5	1.0%
45.7%	53.2	53.6	0.4	0.7%
46.9%	53.1	53.6	0.4	0.8%
48.1%	52.9	53.6	0.6	1.2%
49.4%	52.9	53.5	0.6	1.2%
50.6%	52.8	53.4	0.5	1.0%
51.9%	52.7	53.1	0.4	0.8%
53.1%	52.7	53.0	0.3	0.6%
54.3%	52.5	53.0	0.5	1.0%
55.6%	52.5	53.0	0.5	0.9%
56.8%	52.4	52.9	0.5	0.9%
58.0%	51.8	52.5	0.8	1.5%
59.3%	51.7	52.5	0.8	1.5%
60.5%	51.7	51.7	0.0	-0.1%
61.7%	51.7	51.6	0.0	-0.1%
63.0%	51.7	51.6	-0.1	-0.1%
64.2%	51.5	51.5	0.0	0.0%
65.4%	51.2	51.3	0.1	0.1%
66.7%	51.2	51.1	-0.1	-0.3%
67.9%	51.0	50.8	-0.2	-0.4%
69.1%	50.9	50.8	-0.1	-0.3%
70.4%	50.9	50.7	-0.3	-0.5%
71.6%	50.8	50.4	-0.4	-0.7%
72.8%	50.7	50.4	-0.3	-0.7%
74.1%	50.7	50.4	-0.3	-0.6%
75.3%	50.6	50.3	-0.3	-0.6%
76.5%	50.5	50.3	-0.2	-0.5%
77.8%	50.5	50.2	-0.2	-0.5%
79.0%	50.4	50.2	-0.2	-0.3%
80.2%	50.3	50.1	-0.2	-0.3%
81.5%	50.1	50.1	0.0	-0.1%
82.7%	50.1	50.0	-0.1	-0.1%
84.0%	50.0	49.9	-0.1	-0.2%
85.2%	50.0	49.9	-0.1	-0.3%
86.4%	50.0	49.7	-0.3	-0.5%
87.7%	50.0	49.7	-0.3	-0.5%
88.9%	49.9	49.6	-0.3	-0.6%
90.1%	49.7	49.5	-0.2	-0.3%
91.4%	49.6	49.5	-0.1	-0.3%
92.6%	49.5	49.5	-0.1	-0.1%
93.8%	49.3	49.4	0.2	0.4%
95.1%	49.3	48.9	-0.3	-0.7%
96.3%	49.2	48.8	-0.4	-0.8%
97.5%	49.1	48.7	-0.4	-0.8%
98.8%	48.8	48.4	-0.4	-0.8%
100.0%	48.8	48.4	0.0	-0.8%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.4	56.4	-2.0	-3.5%
1.2%	57.2	56.0	-1.2	-2.1%
2.5%	56.5	56.0	-0.5	-0.8%
3.7%	56.2	55.7	-0.5	-1.0%
4.9%	55.7	55.6	-0.1	-0.2%
6.2%	55.5	55.6	0.1	0.1%
7.4%	54.9	55.5	0.6	1.1%
8.6%	54.7	55.4	0.7	1.2%
9.9%	54.7	55.2	0.5	0.8%
11.1%	54.5	55.0	0.5	1.0%
12.3%	53.6	54.8	1.2	2.3%
13.6%	53.6	54.8	1.2	2.2%
14.8%	53.6	54.6	1.1	2.0%
16.0%	53.5	53.8	0.3	0.5%
17.3%	53.4	53.7	0.3	0.6%
18.5%	53.4	53.5	0.1	0.2%
19.8%	53.2	53.4	0.2	0.4%
21.0%	53.2	53.3	0.2	0.3%
22.2%	53.1	53.3	0.2	0.3%
23.5%	53.1	53.3	0.2	0.4%
24.7%	53.1	53.2	0.2	0.4%
25.9%	53.0	53.2	0.2	0.4%
27.2%	52.9	53.0	0.1	0.2%
28.4%	52.9	53.0	0.1	0.1%
29.6%	52.4	52.8	0.4	0.8%
30.9%	52.3	52.7	0.4	0.7%
32.1%	52.1	52.6	0.5	0.9%
33.3%	52.1	52.5	0.4	0.7%
34.6%	52.1	52.4	0.3	0.5%
35.8%	52.0	52.2	0.2	0.4%
37.0%	52.0	52.2	0.2	0.4%
38.3%	51.9	52.2	0.3	0.5%
39.5%	51.8	52.0	0.1	0.3%
40.7%	51.7	51.9	0.2	0.4%
42.0%	51.7	51.9	0.2	0.3%
43.2%	51.7	51.8	0.1	0.2%
44.4%	51.7	51.6	-0.1	-0.1%
45.7%	51.5	51.6	0.1	0.2%
46.9%	51.4	51.5	0.1	0.3%
48.1%	51.4	51.4	0.0	0.1%
49.4%	51.3	51.3	0.0	-0.1%
50.6%	51.3	51.3	0.0	0.0%
51.9%	51.3	51.2	-0.1	-0.1%
53.1%	51.2	51.2	0.0	-0.1%
54.3%	51.2	51.2	0.0	0.0%
55.6%	51.1	51.0	-0.1	-0.1%
56.8%	51.0	51.0	0.0	-0.1%
58.0%	50.7	50.9	0.3	0.5%
59.3%	50.6	50.9	0.3	0.5%
60.5%	50.6	50.8	0.2	0.4%
61.7%	50.6	50.6	0.0	0.0%
63.0%	50.5	50.6	0.1	0.1%
64.2%	50.5	50.5	0.0	0.1%
65.4%	50.5	50.3	-0.1	-0.2%
66.7%	50.3	50.3	0.0	0.0%
67.9%	50.3	50.3	0.0	0.0%
69.1%	50.3	50.2	0.0	-0.1%
70.4%	50.2	50.2	0.0	0.0%
71.6%	50.2	50.1	-0.1	-0.1%
72.8%	50.2	50.1	0.0	-0.1%
74.1%	50.1	50.1	0.0	0.0%
75.3%	50.1	49.9	-0.2	-0.3%
76.5%	50.0	49.9	-0.1	-0.3%
77.8%	49.7	49.8	0.2	0.3%
79.0%	49.7	49.7	0.0	0.0%
80.2%	49.5	49.6	0.0	0.1%
81.5%	49.4	49.5	0.1	0.1%
82.7%	49.4	49.4	0.0	0.1%
84.0%	49.4	49.3	0.0	0.0%
85.2%	49.2	49.3	0.1	0.2%
86.4%	49.2	49.3	0.1	0.3%
87.7%	49.2	48.9	-0.2	-0.4%
88.9%	49.1	48.9	-0.2	-0.5%
90.1%	48.9	48.9	-0.1	-0.1%
91.4%	48.9	48.8	0.0	-0.1%
92.6%	48.6	48.7	0.1	0.2%
93.8%	48.5	48.6	0.0	0.0%
95.1%	48.5	48.2	-0.3	-0.7%
96.3%	48.2	47.8	-0.4	-0.9%
97.5%	47.9	47.5	-0.4	-0.8%
98.8%	47.6	47.5	-0.1	-0.2%
100.0%	47.6	47.5	-0.1	-0.2%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.3	56.1	-1.2	-2.1%
1.2%	53.5	55.3	1.7	3.2%
2.5%	53.4	55.1	1.6	3.1%
3.7%	53.0	54.4	1.4	2.6%
4.9%	52.9	54.0	1.1	2.0%
6.2%	52.9	52.8	-0.1	-0.2%
7.4%	52.8	52.7	-0.2	-0.4%
8.6%	52.8	52.7	-0.2	-0.3%
9.9%	52.7	52.6	-0.1	-0.1%
11.1%	52.6	52.5	-0.1	-0.2%
12.3%	52.4	52.4	0.0	0.0%
13.6%	52.2	52.3	0.1	0.3%
14.8%	52.0	52.2	0.2	0.3%
16.0%	52.0	51.9	-0.1	-0.1%
17.3%	51.9	51.9	-0.1	-0.1%
18.5%	51.6	51.7	0.1	0.2%
19.8%	51.4	51.5	0.0	0.1%
21.0%	51.4	51.5	0.0	0.1%
22.2%	51.3	51.4	0.1	0.3%
23.5%	51.2	51.3	0.1	0.3%
24.7%	51.0	51.3	0.2	0.4%
25.9%	51.0	51.2	0.2	0.5%
27.2%	50.9	51.2	0.3	0.5%
28.4%	50.9	51.2	0.3	0.5%
29.6%	50.9	51.2	0.3	0.5%
30.9%	50.7	51.0	0.3	0.5%
32.1%	50.6	50.8	0.2	0.3%
33.3%	50.6	50.8	0.2	0.4%
34.6%	50.5	50.8	0.3	0.6%
35.8%	50.3	50.8	0.4	0.9%
37.0%	50.3	50.7	0.4	0.7%
38.3%	50.3	50.7	0.4	0.9%
39.5%	50.2	50.6	0.3	0.7%
40.7%	50.2	50.5	0.3	0.6%
42.0%	50.1	50.5	0.3	0.7%
43.2%	50.1	50.5	0.4	0.7%
44.4%	50.1	50.3	0.2	0.4%
45.7%	50.1	50.2	0.1	0.1%
46.9%	50.1	50.2	0.1	0.2%
48.1%	50.1	50.1	0.0	0.1%
49.4%	50.0	50.1	0.1	0.2%
50.6%	49.9	50.1	0.2	0.3%
51.9%	49.8	49.9	0.1	0.2%
53.1%	49.8	49.9	0.1	0.3%
54.3%	49.7	49.9	0.2	0.4%
55.6%	49.6	49.8	0.1	0.2%
56.8%	49.6	49.7	0.2	0.4%
58.0%	49.5	49.7	0.2	0.3%
59.3%	49.5	49.6	0.1	0.3%
60.5%	49.4	49.6	0.1	0.3%
61.7%	49.4	49.6	0.2	0.4%
63.0%	49.3	49.5	0.3	0.6%
64.2%	49.3	49.5	0.3	0.6%
65.4%	49.2	49.4	0.2	0.4%
66.7%	49.2	49.3	0.2	0.4%
67.9%	49.1	49.2	0.1	0.2%
69.1%	49.1	49.1	0.0	0.0%
70.4%	48.8	49.1	0.2	0.5%
71.6%	48.7	48.9	0.2	0.4%
72.8%	48.6	48.8	0.2	0.5%
74.1%	48.3	48.8	0.4	0.9%
75.3%	48.2	48.7	0.5	1.0%
76.5%	48.2	48.6	0.4	0.8%
77.8%	48.1	48.4	0.3	0.6%
79.0%	47.9	48.1	0.2	0.4%
80.2%	47.8	48.1	0.3	0.7%
81.5%	47.8	47.9	0.1	0.2%
82.7%	47.7	47.8	0.1	0.3%
84.0%	47.6	47.6	0.1	0.1%
85.2%	47.3	47.5	0.2	0.3%
86.4%	47.2	47.1	-0.1	-0.2%
87.7%	47.1	47.1	0.0	0.0%
88.9%	47.0	46.9	0.0	-0.1%
90.1%	46.8	46.6	-0.1	-0.3%
91.4%	46.4	46.6	0.2	0.3%
92.6%	46.2	46.0	-0.2	-0.4%
93.8%	46.1	46.0	-0.1	-0.2%
95.1%	46.0	45.9	-0.1	-0.3%
96.3%	45.9	45.5	-0.3	-0.8%
97.5%	45.6	45.1	-0.5	-1.0%
98.8%	44.1	44.1	0.0	0.1%
100.0%	44.1	44.1	0.0	0.1%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.5	55.1	1.5	2.9%
1.2%	52.4	52.7	0.3	0.6%
2.5%	52.0	52.1	0.1	0.2%
3.7%	51.6	52.0	0.4	0.8%
4.9%	51.6	51.6	0.1	0.1%
6.2%	51.4	51.6	0.1	0.2%
7.4%	51.1	51.2	0.1	0.2%
8.6%	51.1	51.2	0.1	0.2%
9.9%	51.0	51.1	0.1	0.2%
11.1%	50.9	51.0	0.1	0.2%
12.3%	50.7	50.9	0.2	0.4%
13.6%	50.6	50.9	0.2	0.5%
14.8%	50.5	50.8	0.3	0.5%
16.0%	50.5	50.8	0.3	0.5%
17.3%	50.5	50.6	0.2	0.3%
18.5%	50.3	50.5	0.2	0.3%
19.8%	50.2	50.4	0.1	0.3%
21.0%	50.2	50.3	0.1	0.1%
22.2%	50.2	50.3	0.1	0.1%
23.5%	50.2	50.2	0.0	-0.1%
24.7%	50.1	50.1	0.1	0.2%
25.9%	50.1	50.1	0.1	0.1%
27.2%	49.9	50.1	0.1	0.2%
28.4%	49.9	50.0	0.0	0.1%
29.6%	49.9	49.9	0.1	0.1%
30.9%	49.9	49.9	0.0	0.1%
32.1%	49.8	49.9	0.1	0.1%
33.3%	49.8	49.8	0.0	-0.1%
34.6%	49.8	49.8	0.0	-0.1%
35.8%	49.7	49.7	0.0	-0.1%
37.0%	49.7	49.6	-0.1	-0.2%
38.3%	49.7	49.5	-0.2	-0.3%
39.5%	49.7	49.5	-0.1	-0.3%
40.7%	49.7	49.5	-0.1	-0.3%
42.0%	49.6	49.5	-0.1	-0.2%
43.2%	49.6	49.4	-0.1	-0.3%
44.4%	49.5	49.4	0.0	-0.1%
45.7%	49.3	49.3	0.0	0.0%
46.9%	49.0	49.2	0.2	0.5%
48.1%	48.9	49.1	0.2	0.4%
49.4%	48.7	49.0	0.3	0.5%
50.6%	48.6	48.8	0.2	0.4%
51.9%	48.6	48.8	0.2	0.4%
53.1%	48.6	48.8	0.2	0.4%
54.3%	48.5	48.7	0.1	0.3%
55.6%	48.4	48.6	0.2	0.5%
56.8%	48.4	48.5	0.2	0.4%
58.0%	48.4	48.4	0.1	0.1%
59.3%	48.3	48.4	0.1	0.1%
60.5%	48.3	48.4	0.1	0.2%
61.7%	48.0	48.4	0.4	0.8%
63.0%	47.9	48.3	0.4	0.7%
64.2%	47.8	48.1	0.4	0.7%
65.4%	47.8	48.0	0.2	0.4%
66.7%	47.5	47.8	0.3	0.6%
67.9%	47.5	47.5	0.0	0.0%
69.1%	47.4	47.5	0.1	0.1%
70.4%	47.4	47.4	0.0	0.1%
71.6%	46.8	47.4	0.6	1.2%
72.8%	46.7	46.8	0.1	0.2%
74.1%	46.7	46.7	0.0	0.1%
75.3%	46.6	46.6	-0.1	-0.2%
76.5%	46.5	46.3	-0.2	-0.5%
77.8%	46.3	46.3	0.0	-0.1%
79.0%	46.1	46.1	0.0	-0.1%
80.2%	46.1	46.1	0.0	-0.1%
81.5%	45.9	46.0	0.1	0.2%
82.7%	45.8	46.0	0.2	0.4%
84.0%	45.6	45.8	0.3	0.6%
85.2%	45.4	45.6	0.2	0.4%
86.4%	45.3	45.6	0.2	0.5%
87.7%	45.2	45.4	0.3	0.6%
88.9%	45.1	45.4	0.3	0.6%
90.1%	45.0	45.3	0.3	0.7%
91.4%	45.0	45.0	0.0	0.0%
92.6%	44.9	45.0	0.0	0.1%
93.8%	44.6	44.9	0.4	0.8%
95.1%	44.4	44.6	0.2	0.5%
96.3%	44.3	44.4	0.1	0.3%
97.5%	43.7	44.3	0.6	1.3%
98.8%	43.7	43.6	0.0	-0.1%
100.0%	43.7	43.6	0.0	-0.1%

Table SQ12-1b

Trinity River below Lewiston Dam, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.6	53.6	0.0	0.0%
1.2%	53.5	53.5	0.1	0.1%
2.5%	53.1	53.1	0.0	0.1%
3.7%	51.8	51.9	0.1	0.1%
4.9%	51.6	51.6	0.1	0.1%
6.2%	51.6	51.6	0.1	0.1%
7.4%	51.5	51.6	0.1	0.1%
8.6%	51.3	51.6	0.3	0.6%
9.9%	51.2	51.6	0.4	0.8%
11.1%	51.1	51.3	0.1	0.2%
12.3%	51.1	51.2	0.1	0.1%
13.6%	51.0	51.1	0.1	0.2%
14.8%	51.0	51.0	0.0	0.0%
16.0%	50.8	51.0	0.2	0.5%
17.3%	50.7	50.9	0.2	0.5%
18.5%	50.5	50.8	0.3	0.5%
19.8%	50.5	50.7	0.3	0.5%
21.0%	50.5	50.7	0.3	0.5%
22.2%	50.5	50.7	0.2	0.4%
23.5%	50.4	50.5	0.1	0.2%
24.7%	50.4	50.5	0.1	0.3%
25.9%	50.3	50.5	0.2	0.3%
27.2%	50.3	50.4	0.1	0.2%
28.4%	50.3	50.4	0.1	0.2%
29.6%	50.3	50.3	0.0	0.0%
30.9%	50.2	50.3	0.1	0.1%
32.1%	50.1	50.2	0.1	0.3%
33.3%	50.0	50.2	0.2	0.3%
34.6%	50.0	50.1	0.1	0.2%
35.8%	50.0	50.1	0.0	0.1%
37.0%	49.9	50.0	0.1	0.2%
38.3%	49.7	50.0	0.4	0.7%
39.5%	49.7	50.0	0.3	0.7%
40.7%	49.6	49.7	0.1	0.2%
42.0%	49.6	49.7	0.1	0.2%
43.2%	49.3	49.6	0.3	0.7%
44.4%	49.2	49.6	0.4	0.8%
45.7%	49.2	49.6	0.4	0.9%
46.9%	49.0	49.2	0.2	0.4%
48.1%	48.8	49.0	0.2	0.5%
49.4%	48.8	48.9	0.2	0.3%
50.6%	48.8	48.8	0.1	0.1%
51.9%	48.7	48.8	0.1	0.3%
53.1%	48.6	48.6	0.0	0.1%
54.3%	48.5	48.6	0.1	0.2%
55.6%	48.4	48.6	0.2	0.4%
56.8%	48.4	48.6	0.2	0.4%
58.0%	48.3	48.5	0.2	0.3%
59.3%	48.1	48.4	0.3	0.6%
60.5%	48.1	48.1	0.0	0.1%
61.7%	48.1	48.1	0.0	0.0%
63.0%	48.1	48.1	0.0	0.0%
64.2%	48.0	48.0	0.0	0.0%
65.4%	47.9	48.0	0.1	0.1%
66.7%	47.9	48.0	0.1	0.2%
67.9%	47.8	48.0	0.1	0.2%
69.1%	47.7	47.9	0.2	0.3%
70.4%	47.7	47.8	0.1	0.2%
71.6%	47.5	47.5	0.1	0.1%
72.8%	47.4	47.4	0.0	0.0%
74.1%	47.1	47.0	0.0	-0.1%
75.3%	46.9	46.9	0.0	0.0%
76.5%	46.8	46.8	0.0	0.0%
77.8%	46.8	46.8	0.0	0.0%
79.0%	46.6	46.5	-0.2	-0.3%
80.2%	46.3	46.3	0.0	-0.1%
81.5%	46.1	46.2	0.1	0.2%
82.7%	46.1	46.1	0.0	0.1%
84.0%	45.8	46.1	0.2	0.5%
85.2%	45.5	45.8	0.4	0.9%
86.4%	45.3	45.5	0.2	0.4%
87.7%	44.7	44.7	0.0	0.0%
88.9%	44.4	44.4	0.0	0.1%
90.1%	44.4	44.4	0.0	0.0%
91.4%	44.2	44.3	0.0	0.1%
92.6%	44.1	44.2	0.1	0.1%
93.8%	44.1	44.2	0.1	0.2%
95.1%	43.7	44.1	0.4	0.9%
96.3%	43.7	43.8	0.1	0.2%
97.5%	43.6	43.7	0.1	0.3%
98.8%	43.4	43.5	0.1	0.2%
100.0%	43.4	43.5	0.1	0.2%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.6	54.7	0.0	0.1%
1.2%	54.0	54.2	0.2	0.4%
2.5%	53.9	54.0	0.0	0.1%
3.7%	53.9	53.9	0.0	0.0%
4.9%	53.8	53.8	0.0	0.0%
6.2%	53.7	53.7	0.0	0.0%
7.4%	53.6	53.7	0.1	0.2%
8.6%	53.6	53.6	0.0	0.0%
9.9%	53.4	53.4	-0.1	-0.1%
11.1%	53.2	53.3	0.1	0.2%
12.3%	53.1	53.2	0.2	0.3%
13.6%	53.1	53.1	0.1	0.1%
14.8%	52.9	53.0	0.1	0.2%
16.0%	52.9	53.0	0.1	0.2%
17.3%	52.8	53.0	0.2	0.3%
18.5%	52.7	52.9	0.2	0.3%
19.8%	52.7	52.6	-0.1	-0.2%
21.0%	52.6	52.3	-0.3	-0.5%
22.2%	52.6	52.3	-0.2	-0.5%
23.5%	52.6	52.3	-0.2	-0.4%
24.7%	52.4	52.2	-0.2	-0.4%
25.9%	52.4	52.1	-0.2	-0.5%
27.2%	52.4	52.0	-0.3	-0.7%
28.4%	52.3	52.0	-0.4	-0.7%
29.6%	52.3	51.9	-0.4	-0.8%
30.9%	52.0	51.9	-0.1	-0.2%
32.1%	52.0	51.9	-0.1	-0.2%
33.3%	52.0	51.9	-0.1	-0.2%
34.6%	51.9	51.9	-0.1	-0.1%
35.8%	51.8	51.8	0.0	0.0%
37.0%	51.7	51.7	0.0	0.0%
38.3%	51.6	51.7	0.0	0.0%
39.5%	51.6	51.6	0.0	0.0%
40.7%	51.4	51.6	0.2	0.3%
42.0%	51.4	51.5	0.1	0.3%
43.2%	51.3	51.4	0.1	0.2%
44.4%	51.2	51.4	0.2	0.4%
45.7%	51.2	51.3	0.1	0.2%
46.9%	50.9	51.2	0.3	0.5%
48.1%	50.8	51.1	0.3	0.7%
49.4%	50.8	51.0	0.2	0.5%
50.6%	50.8	50.9	0.1	0.2%
51.9%	50.5	50.8	0.4	0.7%
53.1%	50.3	50.8	0.5	1.0%
54.3%	50.3	50.8	0.5	1.0%
55.6%	50.3	50.7	0.5	0.9%
56.8%	50.2	50.5	0.3	0.6%
58.0%	50.2	50.4	0.3	0.5%
59.3%	50.2	50.4	0.3	0.6%
60.5%	50.1	50.3	0.2	0.5%
61.7%	50.1	50.3	0.3	0.5%
63.0%	50.0	50.3	0.3	0.6%
64.2%	49.9	50.2	0.4	0.7%
65.4%	49.8	50.2	0.4	0.8%
66.7%	49.7	50.2	0.5	0.9%
67.9%	49.6	50.1	0.5	1.0%
69.1%	49.6	50.0	0.4	0.9%
70.4%	49.5	49.9	0.4	0.7%
71.6%	49.5	49.8	0.3	0.7%
72.8%	49.4	49.7	0.3	0.6%
74.1%	49.2	49.6	0.4	0.8%
75.3%	49.1	49.5	0.4	0.8%
76.5%	49.1	49.4	0.3	0.6%
77.8%	49.0	49.3	0.3	0.6%
79.0%	48.8	49.1	0.3	0.6%
80.2%	48.8	49.1	0.3	0.6%
81.5%	48.6	48.8	0.3	0.6%
82.7%	48.4	48.5	0.2	0.4%
84.0%	48.2	48.4	0.1	0.2%
85.2%	47.9	47.8	-0.1	-0.3%
86.4%	47.8	47.7	0.0	-0.1%
87.7%	47.7	47.7	0.0	0.0%
88.9%	47.2	47.3	0.0	0.1%
90.1%	47.1	46.9	-0.2	-0.4%
91.4%	46.9	46.5	-0.4	-0.9%
92.6%	46.8	46.1	-0.7	-1.5%
93.8%	45.4	45.5	0.0	0.1%
95.1%	44.6	44.6	0.0	-0.1%
96.3%	44.3	44.4	0.1	0.2%
97.5%	44.1	44.1	0.0	-0.1%
98.8%	43.9	43.9	0.1	0.2%
100.0%	43.9	43.9	0.1	0.2%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.5	54.6	0.1	0.1%
1.2%	54.4	54.5	0.1	0.2%
2.5%	54.2	54.3	0.2	0.3%
3.7%	54.0	53.8	-0.1	-0.3%
4.9%	53.8	53.7	-0.1	-0.2%
6.2%	53.8	53.7	-0.1	-0.2%
7.4%	53.7	53.6	-0.1	-0.2%
8.6%	53.7	53.4	-0.4	-0.7%
9.9%	53.4	53.3	0.0	-0.1%
11.1%	53.3	53.3	0.0	0.1%
12.3%	53.2	53.2	0.1	0.1%
13.6%	53.1	53.1	0.0	0.0%
14.8%	53.1	53.1	0.0	0.1%
16.0%	53.0	53.1	0.0	0.0%
17.3%	53.0	53.0	0.0	0.1%
18.5%	52.9	52.9	0.0	0.0%
19.8%	52.9	52.9	0.0	0.1%
21.0%	52.7	52.8	0.1	0.2%
22.2%	52.7	52.8	0.1	0.1%
23.5%	52.7	52.8	0.1	0.1%
24.7%	52.7	52.7	0.1	0.1%
25.9%	52.6	52.7	0.1	0.2%
27.2%	52.6	52.6	0.0	0.0%
28.4%	52.6	52.6	0.0	0.0%
29.6%	52.6	52.5	0.0	0.0%
30.9%	52.5	52.5	0.0	0.0%
32.1%	52.4	52.4	0.0	0.0%
33.3%	52.4	52.4	0.0	0.0%
34.6%	52.3	52.3	0.0	0.0%
35.8%	52.3	52.3	0.0	-0.1%
37.0%	52.3	52.3	0.0	-0.1%
38.3%	52.3	52.3	0.0	0.0%
39.5%	52.3	52.3	0.0	0.0%
40.7%	52.2	52.2	0.0	0.0%
42.0%	52.2	52.2	0.1	0.1%
43.2%	52.2	52.2	0.0	0.0%
44.4%	52.1	52.2	0.1	0.1%
45.7%	52.1	52.1	0.1	0.1%
46.9%	52.0	52.1	0.1	0.1%
48.1%	51.9	52.0	0.1	0.2%
49.4%	51.9	51.9	0.0	0.1%
50.6%	51.8	51.9	0.0	0.0%
51.9%	51.8	51.8	0.0	0.0%
53.1%	51.8	51.8	0.0	0.0%
54.3%	51.7	51.8	0.0	0.1%
55.6%	51.6	51.7	0.0	0.0%
56.8%	51.6	51.6	0.0	0.0%
58.0%	51.5	51.5	0.0	0.0%
59.3%	51.4	51.4	0.0	0.0%
60.5%	51.3	51.3	0.0	-0.1%
61.7%	51.3	51.3	0.0	0.0%
63.0%	51.3	51.2	0.0	-0.1%
64.2%	51.2	51.2	-0.1	-0.2%
65.4%	51.1	51.2	0.0	0.0%
66.7%	51.1	51.1	0.0	0.0%
67.9%	51.1	51.1	0.0	0.0%
69.1%	51.1	51.0	0.0	-0.1%
70.4%	51.1	51.0	0.0	-0.1%
71.6%	51.0	51.0	0.0	0.0%
72.8%	51.0	50.8	-0.2	-0.4%
74.1%	50.9	50.7	-0.1	-0.3%
75.3%	50.8	50.5	-0.2	-0.5%
76.5%	50.7	50.1	-0.5	-1.0%
77.8%	50.4	50.1	-0.3	-0.6%
79.0%	50.3	50.0	-0.2	-0.5%
80.2%	50.1	49.8	-0.2	-0.4%
81.5%	50.0	49.8	-0.2	-0.4%
82.7%	49.7	49.7	0.0	0.0%
84.0%	49.7	49.6	-0.1	-0.1%
85.2%	49.3	49.6	0.2	0.5%
86.4%	49.3	49.4	0.1	0.2%
87.7%	49.3	49.3	0.1	0.1%
88.9%	49.1	49.3	0.2	0.4%
90.1%	48.9	49.2	0.3	0.7%
91.4%	48.9	49.1	0.2	0.5%
92.6%	48.9	48.9	0.0	0.0%
93.8%	48.0	48.0	0.0	0.0%
95.1%	47.9	47.9	0.0	-0.1%
96.3%	47.2	47.2	0.0	0.0%
97.5%	47.1	47.1	0.0	0.0%
98.8%	47.0	46.9	0.0	0.0%
100.0%	47.0	46.9	0.0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.2	54.1	-0.1	-0.2%
1.2%	53.9	53.3	-0.6	-1.1%
2.5%	53.8	53.1	-0.7	-1.3%
3.7%	53.1	52.8	-0.3	-0.6%
4.9%	52.3	52.6	0.2	0.4%
6.2%	51.6	52.2	0.6	1.1%
7.4%	51.1	51.2	0.1	0.2%
8.6%	51.0	50.9	-0.1	-0.1%
9.9%	50.7	50.8	0.0	0.1%
11.1%	50.7	50.7	0.0	0.1%
12.3%	50.5	50.5	0.0	0.0%
13.6%	50.2	50.3	0.1	0.2%
14.8%	50.0	50.1	0.1	0.3%
16.0%	49.9	50.0	0.0	0.1%
17.3%	49.9	50.0	0.0	0.1%
18.5%	49.9	49.9	0.0	0.1%
19.8%	49.9	49.9	0.0	0.0%
21.0%	49.8	49.9	0.1	0.1%
22.2%	49.7	49.8	0.0	0.0%
23.5%	49.7	49.7	0.0	0.0%
24.7%	49.7	49.7	0.0	0.0%
25.9%	49.7	49.7	0.0	0.1%
27.2%	49.6	49.7	0.0	0.1%
28.4%	49.6	49.4	-0.2	-0.4%
29.6%	49.3	49.2	-0.1	-0.3%
30.9%	48.9	49.0	0.1	0.2%
32.1%	48.8	48.9	0.1	0.2%
33.3%	48.4	48.7	0.3	0.7%
34.6%	48.3	48.3	0.0	0.0%
35.8%	48.1	48.1	0.0	0.0%
37.0%	48.0	48.0	-0.1	-0.1%
38.3%	47.8	47.8	0.0	0.0%
39.5%	47.3	47.3	0.0	0.1%
40.7%	47.3	47.2	-0.1	-0.2%
42.0%	46.9	46.9	0.1	0.1%
43.2%	46.9	46.9	0.1	0.1%
44.4%	46.9	46.9	0.0	0.0%
45.7%	46.8	46.7	-0.1	-0.1%
46.9%	46.7	46.7	0.0	-0.1%
48.1%	46.7	46.7	0.0	-0.1%
49.4%	46.7	46.6	-0.1	-0.1%
50.6%	46.5	46.6	0.1	0.1%
51.9%	46.5	46.5	0.1	0.1%
53.1%	46.3	46.2	0.0	-0.1%
54.3%	46.2	46.1	-0.1	-0.1%
55.6%	46.1	46.1	0.1	0.1%
56.8%	46.0	46.0	0.0	0.0%
58.0%	45.9	45.9	0.0	0.0%
59.3%	45.8	45.8	0.0	0.1%
60.5%	45.8	45.8	0.0	0.0%
61.7%	45.7	45.7	0.0	0.1%
63.0%	45.7	45.7	0.0	0.0%
64.2%	45.6	45.7	0.0	0.0%
65.4%	45.6	45.6	0.0	-0.1%
66.7%	45.6	45.6	0.0	0.0%
67.9%	45.5	45.5	0.0	0.0%
69.1%	45.4	45.5	0.0	0.0%
70.4%	45.4	45.4	0.0	0.0%
71.6%	45.4	45.4	0.0	0.0%
72.8%	45.4	45.4	0.0	0.0%
74.1%	45.4	45.3	0.0	0.0%
75.3%	45.3	45.3	0.0	-0.1%
76.5%	45.3	45.3	0.0	0.0%
77.8%	45.2	45.2	0.0	-0.1%
79.0%	45.1	45.2	0.0	0.0%
80.2%	45.1	45.2	0.0	0.0%
81.5%	45.1	45.1	0.0	0.0%
82.7%	45.1	45.1	0.0	0.0%
84.0%	45.0	45.1	0.0	0.1%
85.2%	45.0	45.0	0.1	0.1%
86.4%	44.9	45.0	0.1	0.3%
87.7%	44.9	44.9	0.0	-0.1%
88.9%	44.9	44.9	0.0	0.0%
90.1%	44.9	44.8	-0.1	-0.1%
91.4%	44.8	44.8	0.0	-0.1%
92.6%	44.7	44.8	0.1	0.1%
93.8%	44.6	44.7	0.1	0.2%
95.1%	44.5	44.7	0.2	0.4%
96.3%	44.5	44.5	0.1	0.2%
97.5%	44.2	44.3	0.1	0.2%
98.8%	44.1	44.1	0.0	0.0%
100.0%	44.1	44.1	0.0	0.0%

Table SQ12-1b

Trinity River below Lewiston Dam, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.0	57.9	0.9	1.6%
1.2%	56.9	57.4	0.5	0.8%
2.5%	56.8	57.1	0.3	0.5%
3.7%	56.7	56.9	0.1	0.2%
4.9%	55.5	56.8	1.3	2.3%
6.2%	55.4	55.8	0.4	0.7%
7.4%	55.4	55.6	0.2	0.4%
8.6%	55.1	55.5	0.4	0.8%
9.9%	55.1	55.4	0.3	0.6%
11.1%	55.1	55.1	0.0	0.1%
12.3%	54.5	54.5	0.1	0.1%
13.6%	53.7	54.2	0.5	0.9%
14.8%	53.2	53.2	-0.1	-0.1%
16.0%	53.1	53.1	0.0	0.0%
17.3%	52.9	52.9	0.0	0.0%
18.5%	52.9	52.9	0.0	0.1%
19.8%	52.7	52.9	0.2	0.4%
21.0%	52.7	52.7	0.0	0.1%
22.2%	52.6	52.6	0.0	0.0%
23.5%	52.6	52.5	-0.1	-0.2%
24.7%	52.5	52.4	-0.1	-0.1%
25.9%	52.5	52.4	-0.1	-0.1%
27.2%	52.4	52.4	-0.1	-0.1%
28.4%	52.4	52.1	-0.2	-0.4%
29.6%	52.3	52.1	-0.2	-0.4%
30.9%	52.2	52.0	-0.3	-0.5%
32.1%	52.1	51.9	-0.2	-0.4%
33.3%	51.9	51.9	-0.1	-0.1%
34.6%	51.9	51.8	-0.1	-0.2%
35.8%	51.8	51.7	-0.1	-0.1%
37.0%	51.7	51.6	-0.1	-0.2%
38.3%	51.6	51.6	0.0	0.0%
39.5%	51.5	51.6	0.0	0.1%
40.7%	51.5	51.4	0.0	0.0%
42.0%	51.2	51.3	0.2	0.3%
43.2%	51.2	51.3	0.1	0.2%
44.4%	51.1	51.3	0.1	0.3%
45.7%	51.0	50.9	-0.1	-0.1%
46.9%	50.7	50.7	0.0	0.0%
48.1%	50.6	50.7	0.1	0.1%
49.4%	50.6	50.7	0.1	0.1%
50.6%	50.6	50.6	0.0	0.0%
51.9%	50.6	50.5	0.0	-0.1%
53.1%	50.5	50.5	0.0	0.0%
54.3%	50.5	50.5	0.0	0.0%
55.6%	50.4	50.3	-0.1	-0.2%
56.8%	50.1	50.0	-0.1	-0.2%
58.0%	50.0	49.7	-0.3	-0.7%
59.3%	50.0	49.6	-0.4	-0.8%
60.5%	49.8	49.5	-0.3	-0.6%
61.7%	49.7	49.5	-0.2	-0.4%
63.0%	49.6	49.3	-0.3	-0.6%
64.2%	49.5	49.2	-0.2	-0.5%
65.4%	49.4	49.2	-0.3	-0.5%
66.7%	49.3	49.0	-0.3	-0.5%
67.9%	49.2	49.0	-0.2	-0.4%
69.1%	49.0	48.8	-0.3	-0.6%
70.4%	49.0	48.7	-0.3	-0.6%
71.6%	48.7	48.7	-0.1	-0.2%
72.8%	48.7	48.2	-0.5	-1.0%
74.1%	48.3	48.0	-0.2	-0.4%
75.3%	48.2	47.9	-0.3	-0.6%
76.5%	47.9	47.8	0.0	-0.1%
77.8%	47.8	47.8	-0.1	-0.1%
79.0%	47.7	47.6	0.0	0.0%
80.2%	47.6	47.6	0.0	0.0%
81.5%	47.6	47.5	0.0	-0.1%
82.7%	47.4	47.5	0.0	0.1%
84.0%	47.4	47.4	0.0	0.1%
85.2%	47.4	47.4	0.0	0.0%
86.4%	47.2	47.2	0.0	0.0%
87.7%	47.0	47.0	0.0	-0.1%
88.9%	46.4	46.5	0.0	0.1%
90.1%	46.3	46.3	0.0	0.0%
91.4%	46.1	46.1	0.0	0.0%
92.6%	46.0	46.0	0.0	0.0%
93.8%	45.9	46.0	0.1	0.1%
95.1%	45.6	45.7	0.0	0.1%
96.3%	45.5	45.4	-0.1	-0.2%
97.5%	45.2	45.2	0.0	0.1%
98.8%	44.9	44.8	-0.1	-0.3%
100.0%	44.9	44.8	-0.1	-0.3%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	65.2	63.9	-1.3	-2.0%
1.2%	59.5	57.8	-1.6	-2.8%
2.5%	55.9	55.9	0.0	0.0%
3.7%	55.7	55.6	-0.1	-0.2%
4.9%	54.6	54.6	0.0	0.1%
6.2%	53.9	53.9	0.0	0.0%
7.4%	53.7	53.9	0.2	0.3%
8.6%	53.7	53.7	0.0	0.0%
9.9%	53.5	53.4	-0.1	-0.1%
11.1%	53.4	53.4	-0.1	-0.1%
12.3%	53.4	53.1	-0.3	-0.6%
13.6%	53.2	53.0	-0.2	-0.4%
14.8%	53.1	52.9	-0.1	-0.2%
16.0%	53.0	52.9	-0.1	-0.2%
17.3%	52.7	52.6	0.0	-0.1%
18.5%	52.7	52.6	-0.1	-0.1%
19.8%	52.5	52.5	0.0	0.0%
21.0%	52.4	52.5	0.1	0.2%
22.2%	52.4	52.5	0.1	0.2%
23.5%	52.4	52.5	0.1	0.2%
24.7%	52.3	52.4	0.1	0.2%
25.9%	52.3	52.4	0.2	0.3%
27.2%	52.2	52.4	0.2	0.4%
28.4%	52.2	52.4	0.2	0.4%
29.6%	52.2	52.3	0.1	0.2%
30.9%	52.1	52.3	0.2	0.3%
32.1%	52.0	52.2	0.2	0.3%
33.3%	52.0	52.2	0.2	0.4%
34.6%	51.9	52.2	0.3	0.5%
35.8%	51.8	52.1	0.3	0.6%
37.0%	51.8	52.1	0.3	0.6%
38.3%	51.8	52.0	0.3	0.5%
39.5%	51.7	52.0	0.4	0.7%
40.7%	51.6	51.9	0.3	0.6%
42.0%	51.6	51.8	0.2	0.5%
43.2%	51.6	51.8	0.2	0.4%
44.4%	51.5	51.7	0.2	0.4%
45.7%	51.5	51.7	0.2	0.3%
46.9%	51.5	51.7	0.2	0.4%
48.1%	51.4	51.7	0.2	0.5%
49.4%	51.3	51.6	0.3	0.5%
50.6%	51.3	51.5	0.3	0.5%
51.9%	51.2	51.5	0.2	0.4%
53.1%	51.2	51.4	0.2	0.4%
54.3%	51.2	51.4	0.2	0.4%
55.6%	51.2	51.4	0.2	0.4%
56.8%	51.1	51.3	0.2	0.4%
58.0%	51.0	51.3	0.2	0.5%
59.3%	51.0	51.2	0.2	0.4%
60.5%	51.0	51.2	0.2	0.4%
61.7%	51.0	51.2	0.2	0.4%
63.0%	51.0	51.1	0.1	0.3%
64.2%	50.9	51.1	0.2	0.4%
65.4%	50.8	51.0	0.2	0.4%
66.7%	50.8	51.0	0.2	0.4%
67.9%	50.8	51.0	0.2	0.4%
69.1%	50.8	50.8	0.0	0.1%
70.4%	50.7	50.8	0.1	0.2%
71.6%	50.6	50.7	0.1	0.2%
72.8%	50.6	50.7	0.1	0.1%
74.1%	50.6	50.6	0.1	0.1%
75.3%	50.6	50.6	0.1	0.2%
76.5%	50.5	50.6	0.1	0.2%
77.8%	50.4	50.5	0.1	0.3%
79.0%	50.4	50.5	0.1	0.2%
80.2%	50.3	50.4	0.1	0.2%
81.5%	50.2	50.4	0.2	0.4%
82.7%	50.0	50.0	0.0	0.0%
84.0%	50.0	50.0	0.0	0.0%
85.2%	50.0	49.9	0.0	-0.1%
86.4%	49.9	49.9	0.0	0.1%
87.7%	49.8	49.8	0.1	0.1%
88.9%	49.7	49.7	0.0	0.0%
90.1%	49.7	49.6	-0.1	-0.3%
91.4%	49.6	49.5	-0.1	-0.2%
92.6%	49.5	49.4	-0.1	-0.2%
93.8%	49.5	49.4	-0.1	-0.3%
95.1%	49.5	49.3	-0.1	-0.3%
96.3%	49.3	49.3	0.0	0.1%
97.5%	49.0	49.3	0.3	0.5%
98.8%	49.0	49.2	0.2	0.4%
100.0%	49.0	49.2	0.2	0.4%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.3	60.2	-1.1	-1.8%
1.2%	60.5	57.8	-2.8	-4.6%
2.5%	58.0	56.6	-1.4	-2.4%
3.7%	57.7	56.3	-1.4	-2.5%
4.9%	56.2	55.3	-0.9	-1.7%
6.2%	55.6	55.1	-0.5	-0.8%
7.4%	55.0	54.2	-0.8	-1.5%
8.6%	55.0	54.1	-0.9	-1.6%
9.9%	55.0	53.8	-1.2	-2.2%
11.1%	54.1	53.6	-0.5	-0.9%
12.3%	54.1	53.5	-0.6	-1.1%
13.6%	53.8	53.5	-0.3	-0.5%
14.8%	53.7	53.4	-0.4	-0.7%
16.0%	53.7	53.3	-0.4	-0.7%
17.3%	53.7	53.3	-0.4	-0.8%
18.5%	53.6	53.1	-0.5	-0.9%
19.8%	53.5	53.1	-0.5	-0.9%
21.0%	53.5	53.1	-0.5	-0.9%
22.2%	53.2	52.9	-0.3	-0.6%
23.5%	53.1	52.9	-0.3	-0.5%
24.7%	52.8	52.6	-0.2	-0.5%
25.9%	52.8	52.5	-0.2	-0.4%
27.2%	52.7	52.5	-0.2	-0.4%
28.4%	52.6	52.4	-0.2	-0.4%
29.6%	52.6	52.3	-0.3	-0.5%
30.9%	52.6	52.3	-0.3	-0.7%
32.1%	52.4	52.2	-0.2	-0.5%
33.3%	52.4	52.2	-0.2	-0.5%
34.6%	52.4	52.1	-0.2	-0.4%
35.8%	52.3	52.0	-0.4	-0.7%
37.0%	52.0	51.7	-0.3	-0.5%
38.3%	51.7	51.6	-0.2	-0.4%
39.5%	51.7	51.5	-0.2	-0.4%
40.7%	51.7	51.5	-0.2	-0.4%
42.0%	51.6	51.4	-0.2	-0.4%
43.2%	51.6	51.4	-0.2	-0.4%
44.4%	51.6	51.3	-0.2	-0.4%
45.7%	51.5	51.3	-0.2	-0.4%
46.9%	51.5	51.3	-0.2	-0.3%
48.1%	51.4	51.3	-0.1	-0.3%
49.4%	51.4	51.3	-0.1	-0.2%
50.6%	51.2	51.2	0.0	0.0%
51.9%	51.2	51.2	0.0	0.1%
53.1%	51.2	51.0	-0.1	-0.3%
54.3%	51.1	51.0	-0.1	-0.2%
55.6%	51.0	50.9	-0.2	-0.3%
56.8%	51.0	50.9	-0.2	-0.3%
58.0%	51.0	50.8	-0.2	-0.4%
59.3%	50.8	50.7	-0.1	-0.1%
60.5%	50.7	50.6	0.0	-0.1%
61.7%	50.6	50.6	0.0	0.1%
63.0%	50.5	50.6	0.1	0.1%
64.2%	50.4	50.5	0.0	0.0%
65.4%	50.4	50.4	0.0	-0.1%
66.7%	50.4	50.3	-0.1	-0.2%
67.9%	50.4	50.3	-0.1	-0.1%
69.1%	50.3	50.3	0.0	0.0%
70.4%	50.3	50.3	0.0	0.0%
71.6%	50.2	50.3	0.0	0.1%
72.8%	50.2	50.1	-0.1	-0.1%
74.1%	50.1	50.1	0.0	0.0%
75.3%	50.1	50.0	-0.1	-0.2%
76.5%	50.1	50.0	-0.1	-0.2%
77.8%	50.1	49.8	-0.3	-0.5%
79.0%	50.1	49.8	-0.3	-0.6%
80.2%	50.1	49.8	-0.3	-0.6%
81.5%	50.0	49.8	-0.3	-0.5%
82.7%	50.0	49.7	-0.3	-0.5%
84.0%	49.9	49.7	-0.2	-0.3%
85.2%	49.9	49.7	-0.2	-0.3%
86.4%	49.9	49.6	-0.3	-0.6%
87.7%	49.8	49.5	-0.3	-0.5%
88.9%	49.8	49.5	-0.2	-0.5%
90.1%	49.7	49.5	-0.2	-0.4%
91.4%	49.6	49.5	-0.1	-0.3%
92.6%	49.6	49.3	-0.3	-0.6%
93.8%	49.6	49.1	-0.4	-0.9%
95.1%	49.6	49.1	-0.4	-0.9%
96.3%	49.4	49.0	-0.4	-0.9%
97.5%	49.2	48.8	-0.4	-0.9%
98.8%	48.8	48.5	-0.2	-0.5%
100.0%	48.8	48.5	-0.2	-0.5%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	63.1	62.4	-0.7	-1.1%
1.2%	61.5	58.7	-2.8	-4.6%
2.5%	61.1	58.6	-2.5	-4.1%
3.7%	58.6	58.3	-0.3	-0.5%
4.9%	58.6	58.2	-0.3	-0.6%
6.2%	58.1	55.6	-2.5	-4.2%
7.4%	58.0	55.5	-2.5	-4.3%
8.6%	57.1	55.4	-1.7	-3.0%
9.9%	55.8	55.3	-0.5	-0.9%
11.1%	55.3	55.2	-0.1	-0.2%
12.3%	55.3	55.0	-0.2	-0.4%
13.6%	54.8	54.9	0.1	0.3%
14.8%	54.5	54.8	0.3	0.5%
16.0%	54.3	54.8	0.5	0.8%
17.3%	54.3	54.4	0.2	0.3%
18.5%	54.2	54.4	0.1	0.3%
19.8%	54.2	54.3	0.1	0.1%
21.0%	54.1	54.2	0.0	0.0%
22.2%	54.1	54.1	0.0	0.0%
23.5%	54.0	53.9	-0.2	-0.3%
24.7%	54.0	53.7	-0.2	-0.5%
25.9%	53.7	53.5	-0.2	-0.4%
27.2%	53.2	53.3	0.1	0.2%
28.4%	53.2	53.2	0.0	0.1%
29.6%	53.0	52.9	-0.1	-0.2%
30.9%	53.0	52.8	-0.2	-0.3%
32.1%	52.9	52.8	-0.1	-0.2%
33.3%	52.8	52.8	0.0	0.0%
34.6%	52.7	52.8	0.0	0.1%
35.8%	52.6	52.6	0.0	0.0%
37.0%	52.6	52.4	-0.2	-0.3%
38.3%	52.6	52.4	-0.2	-0.3%
39.5%	52.5	52.4	-0.2	-0.3%
40.7%	52.3	52.1	-0.2	-0.4%
42.0%	52.2	52.1	-0.1	-0.2%
43.2%	52.1	52.0	-0.1	-0.2%
44.4%	52.0	51.9	-0.1	-0.2%
45.7%	52.0	51.7	-0.4	-0.7%
46.9%	52.0	51.6	-0.3	-0.6%
48.1%	51.8	51.5	-0.2	-0.4%
49.4%	51.7	51.4	-0.3	-0.5%
50.6%	51.7	51.3	-0.4	-0.7%
51.9%	51.5	51.3	-0.2	-0.4%
53.1%	51.2	51.3	0.1	0.3%
54.3%	51.1	51.2	0.1	0.1%
55.6%	51.1	51.1	-0.1	-0.1%
56.8%	51.1	51.0	-0.1	-0.3%
58.0%	51.1	51.0	-0.1	-0.3%
59.3%	51.0	50.8	-0.3	-0.5%
60.5%	51.0	50.5	-0.5	-0.9%
61.7%	50.5	50.5	0.0	0.0%
63.0%	50.5	50.5	0.0	0.0%
64.2%	50.5	50.5	0.0	0.0%
65.4%	50.4	50.4	0.0	0.1%
66.7%	50.4	50.4	0.0	0.1%
67.9%	50.4	50.4	0.1	0.1%
69.1%	50.3	50.4	0.1	0.2%
70.4%	50.3	50.3	0.0	0.1%
71.6%	50.2	50.0	-0.2	-0.3%
72.8%	50.1	50.0	-0.1	-0.2%
74.1%	49.9	49.9	0.0	0.0%
75.3%	49.9	49.9	0.0	0.0%
76.5%	49.8	49.9	0.0	0.1%
77.8%	49.8	49.9	0.0	0.1%
79.0%	49.7	49.8	0.0	0.1%
80.2%	49.7	49.8	0.0	0.1%
81.5%	49.7	49.7	0.0	0.0%
82.7%	49.7	49.7	0.0	0.0%
84.0%	49.7	49.6	-0.1	-0.2%
85.2%	49.7	49.6	-0.1	-0.2%
86.4%	49.5	49.5	-0.1	-0.1%
87.7%	49.4	49.4	0.0	0.0%
88.9%	49.4	49.3	-0.1	-0.2%
90.1%	49.4	49.3	-0.1	-0.2%
91.4%	49.4	49.2	-0.1	-0.3%
92.6%	49.4	49.2	-0.1	-0.3%
93.8%	49.3	49.2	0.0	-0.1%
95.1%	49.2	49.1	-0.1	-0.1%
96.3%	49.2	49.1	-0.1	-0.2%
97.5%	49.1	49.1	0.1	0.1%
98.8%	49.0	49.0	-0.1	-0.2%
100.0%	49.0	49.0	-0.1	-0.2%

Table SQ12-1b

Trinity River below Lewiston Dam, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.6	57.7	-0.8	-1.5%
1.2%	57.9	57.5	-0.3	-0.5%
2.5%	57.8	57.0	-0.8	-1.4%
3.7%	56.5	55.6	-0.9	-1.7%
4.9%	55.6	55.5	-0.1	-0.2%
6.2%	55.3	55.1	-0.2	-0.4%
7.4%	55.2	54.3	-0.9	-1.6%
8.6%	54.8	54.1	-0.8	-1.4%
9.9%	54.2	53.7	-0.4	-0.8%
11.1%	54.1	53.5	-0.7	-1.2%
12.3%	54.0	53.4	-0.6	-1.1%
13.6%	53.5	53.4	-0.2	-0.3%
14.8%	53.4	53.3	-0.1	-0.2%
16.0%	53.2	53.2	0.0	0.1%
17.3%	53.2	53.1	0.0	-0.1%
18.5%	53.2	53.1	-0.1	-0.2%
19.8%	53.0	52.9	-0.2	-0.3%
21.0%	52.9	52.8	-0.1	-0.2%
22.2%	52.9	52.7	-0.1	-0.2%
23.5%	52.8	52.7	-0.1	-0.2%
24.7%	52.7	52.7	0.0	-0.1%
25.9%	52.6	52.7	0.0	0.1%
27.2%	52.5	52.6	0.1	0.2%
28.4%	52.5	52.5	0.1	0.1%
29.6%	52.4	52.5	0.1	0.3%
30.9%	52.4	52.4	0.0	0.1%
32.1%	52.4	52.3	-0.1	-0.1%
33.3%	52.3	52.3	0.0	0.0%
34.6%	52.2	52.2	0.0	0.0%
35.8%	52.2	52.2	0.0	0.0%
37.0%	52.2	52.2	0.0	0.0%
38.3%	52.2	52.2	0.0	0.0%
39.5%	52.2	52.1	-0.1	-0.1%
40.7%	52.1	52.1	0.0	0.0%
42.0%	52.0	52.0	0.0	0.0%
43.2%	52.0	51.8	-0.2	-0.4%
44.4%	51.6	51.8	0.1	0.2%
45.7%	51.6	51.7	0.1	0.2%
46.9%	51.5	51.4	-0.1	-0.3%
48.1%	51.4	51.3	-0.1	-0.1%
49.4%	51.2	51.1	-0.1	-0.1%
50.6%	51.2	51.1	-0.1	-0.1%
51.9%	51.1	51.0	-0.2	-0.3%
53.1%	51.0	50.9	-0.1	-0.2%
54.3%	50.9	50.7	-0.1	-0.3%
55.6%	50.8	50.7	-0.1	-0.3%
56.8%	50.8	50.6	-0.2	-0.3%
58.0%	50.8	50.6	-0.2	-0.3%
59.3%	50.7	50.6	-0.1	-0.3%
60.5%	50.7	50.5	-0.1	-0.3%
61.7%	50.7	50.4	-0.2	-0.5%
63.0%	50.6	50.4	-0.2	-0.4%
64.2%	50.5	50.4	-0.1	-0.2%
65.4%	50.4	50.3	-0.1	-0.1%
66.7%	50.2	50.3	0.1	0.2%
67.9%	50.2	50.3	0.1	0.2%
69.1%	50.1	50.2	0.1	0.3%
70.4%	50.0	50.2	0.1	0.2%
71.6%	50.0	50.1	0.1	0.2%
72.8%	49.9	49.8	0.0	-0.1%
74.1%	49.8	49.7	0.0	-0.1%
75.3%	49.7	49.7	0.0	-0.1%
76.5%	49.7	49.7	0.0	-0.1%
77.8%	49.7	49.6	-0.1	-0.2%
79.0%	49.6	49.6	-0.1	-0.2%
80.2%	49.5	49.5	0.0	0.0%
81.5%	49.5	49.4	-0.1	-0.2%
82.7%	49.5	49.3	-0.2	-0.3%
84.0%	49.5	49.3	-0.2	-0.3%
85.2%	49.4	49.3	-0.1	-0.2%
86.4%	49.3	49.3	0.0	0.0%
87.7%	49.3	49.2	-0.1	-0.2%
88.9%	49.3	49.2	-0.1	-0.2%
90.1%	49.3	49.0	-0.2	-0.4%
91.4%	49.0	49.0	0.0	0.0%
92.6%	49.0	48.9	-0.1	-0.2%
93.8%	48.9	48.8	-0.1	-0.1%
95.1%	48.9	48.8	-0.1	-0.2%
96.3%	48.9	48.8	-0.1	-0.2%
97.5%	48.8	48.8	0.0	0.0%
98.8%	48.5	48.7	0.3	0.5%
100.0%	48.1	48.3	0.2	0.4%

July to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	59.6	58.0	-1.6	-2.6%
1.2%	58.6	57.6	-1.0	-1.7%
2.5%	58.2	57.0	-1.2	-2.0%
3.7%	56.4	55.6	-0.8	-1.4%
4.9%	55.8	55.0	-0.7	-1.3%
6.2%	55.6	54.2	-1.4	-2.5%
7.4%	54.9	54.1	-0.8	-1.5%
8.6%	54.7	54.0	-0.7	-1.2%
9.9%	54.6	53.9	-0.7	-1.3%
11.1%	54.3	53.7	-0.6	-1.1%
12.3%	54.0	53.7	-0.3	-0.6%
13.6%	53.9	53.5	-0.3	-0.6%
14.8%	53.7	53.5	-0.2	-0.4%
16.0%	53.7	53.5	-0.2	-0.4%
17.3%	53.7	53.4	-0.2	-0.4%
18.5%	53.4	53.4	0.0	-0.1%
19.8%	53.4	53.3	-0.1	-0.3%
21.0%	53.3	53.3	-0.1	-0.1%
22.2%	53.2	53.1	0.0	-0.1%
23.5%	53.1	52.9	-0.2	-0.4%
24.7%	53.0	52.8	-0.1	-0.3%
25.9%	52.9	52.8	-0.1	-0.2%
27.2%	52.8	52.8	0.0	0.0%
28.4%	52.8	52.7	-0.1	-0.2%
29.6%	52.8	52.7	-0.1	-0.2%
30.9%	52.8	52.6	-0.1	-0.2%
32.1%	52.6	52.6	0.0	0.0%
33.3%	52.6	52.4	-0.1	-0.3%
34.6%	52.6	52.4	-0.2	-0.3%
35.8%	52.5	52.2	-0.3	-0.5%
37.0%	52.2	52.1	0.0	-0.1%
38.3%	52.0	52.1	0.0	0.1%
39.5%	51.9	51.9	0.0	0.0%
40.7%	51.9	51.8	0.0	-0.1%
42.0%	51.8	51.8	0.0	-0.1%
43.2%	51.8	51.7	-0.1	-0.1%
44.4%	51.8	51.7	-0.1	-0.2%
45.7%	51.7	51.6	-0.1	-0.2%
46.9%	51.7	51.5	-0.2	-0.3%
48.1%	51.6	51.4	-0.2	-0.4%
49.4%	51.4	51.3	-0.1	-0.2%
50.6%	51.3	51.3	0.0	0.1%
51.9%	51.3	51.3	0.0	0.1%
53.1%	51.2	51.2	0.0	0.0%
54.3%	51.2	51.2	0.0	0.0%
55.6%	51.2	51.2	0.0	0.1%
56.8%	51.1	51.2	0.1	0.1%
58.0%	51.1	51.1	0.1	0.1%
59.3%	51.1	51.0	0.0	-0.1%
60.5%	50.9	51.0	0.0	0.1%
61.7%	50.9	50.9	0.0	0.1%
63.0%	50.8	50.9	0.1	0.1%
64.2%	50.7	50.8	0.1	0.3%
65.4%	50.7	50.6	0.0	-0.1%
66.7%	50.6	50.6	0.0	0.0%
67.9%	50.6	50.5	0.0	0.0%
69.1%	50.4	50.5	0.1	0.1%
70.4%	50.4	50.4	0.0	-0.1%
71.6%	50.4	50.3	0.0	-0.1%
72.8%	50.4	50.3	-0.1	-0.1%
74.1%	50.3	50.3	-0.1	-0.2%
75.3%	50.3	50.2	0.0	-0.1%
76.5%	50.3	50.2	0.0	-0.1%
77.8%	50.1	50.2	0.1	0.2%
79.0%	50.1	50.2	0.1	0.2%
80.2%	50.1	50.2	0.1	0.2%
81.5%	50.0	50.2	0.1	0.3%
82.7%	50.0	50.0	0.0	0.1%
84.0%	49.9	50.0	0.1	0.2%
85.2%	49.9	49.9	0.0	0.0%
86.4%	49.9	49.9	0.0	0.0%
87.7%	49.8	49.9	0.0	0.1%
88.9%	49.8	49.8	0.0	0.0%
90.1%	49.7	49.7	0.0	0.0%
91.4%	49.7	49.6	-0.1	-0.1%
92.6%	49.7	49.6	-0.1	-0.2%
93.8%	49.6	49.5	-0.1	-0.2%
95.1%	49.6	49.5	-0.1	-0.1%
96.3%	49.5	49.4	-0.1	-0.2%
97.5%	49.4	49.3	-0.1	-0.1%
98.8%	49.2	49.1	-0.1	-0.1%
100.0%	48.9	48.8	-0.2	-0.4%

August to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.2	59.2	-2.0	-3.3%
1.2%	59.6	57.5	-2.1	-3.6%
2.5%	59.3	57.5	-1.8	-3.1%
3.7%	56.8	56.9	0.1	0.2%
4.9%	56.8	55.3	-1.5	-2.6%
6.2%	56.7	54.9	-1.8	-3.2%
7.4%	56.0	54.7	-1.2	-2.2%
8.6%	55.9	54.5	-1.3	-2.4%
9.9%	54.7	54.3	-0.4	-0.8%
11.1%	54.7	54.3	-0.4	-0.7%
12.3%	54.6	54.2	-0.5	-0.9%
13.6%	54.2	54.1	-0.1	-0.2%
14.8%	54.1	53.9	-0.1	-0.3%
16.0%	53.9	53.9	-0.1	-0.1%
17.3%	53.9	53.9	0.0	0.0%
18.5%	53.9	53.8	0.0	-0.1%
19.8%	53.7	53.8	0.1	0.1%
21.0%	53.6	53.7	0.0	0.1%
22.2%	53.6	53.6	-0.1	-0.1%
23.5%	53.6	53.2	-0.4	-0.8%
24.7%	53.5	53.2	-0.3	-0.6%
25.9%	53.4	53.0	-0.4	-0.8%
27.2%	53.3	52.9	-0.4	-0.8%
28.4%	53.0	52.8	-0.2	-0.3%
29.6%	52.8	52.8	0.0	-0.1%
30.9%	52.7	52.6	-0.1	-0.2%
32.1%	52.7	52.5	-0.2	-0.3%
33.3%	52.5	52.5	0.0	0.1%
34.6%	52.4	52.5	0.1	0.2%
35.8%	52.3	52.4	0.0	0.1%
37.0%	52.3	52.2	-0.2	-0.3%
38.3%	52.3	52.1	-0.3	-0.5%
39.5%	52.0	51.9	-0.1	-0.2%
40.7%	51.9	51.8	-0.1	-0.2%
42.0%	51.9	51.7	-0.2	-0.4%
43.2%	51.8	51.6	-0.2	-0.4%
44.4%	51.7	51.5	-0.2	-0.5%
45.7%	51.7	51.4	-0.2	-0.5%
46.9%	51.7	51.4	-0.3	-0.5%
48.1%	51.6	51.4	-0.2	-0.4%
49.4%	51.5	51.3	-0.2	-0.4%
50.6%	51.5	51.2	-0.2	-0.5%
51.9%	51.3	51.1	-0.2	-0.4%
53.1%	51.3	51.0	-0.3	-0.6%
54.3%	51.3	51.0	-0.3	-0.6%
55.6%	51.1	50.9	-0.3	-0.5%
56.8%	51.1	50.8	-0.3	-0.5%
58.0%	50.7	50.8	0.1	0.2%
59.3%	50.6	50.7	0.1	0.1%
60.5%	50.6	50.6	0.1	0.1%
61.7%	50.5	50.6	0.0	0.1%
63.0%	50.5	50.5	0.0	0.0%
64.2%	50.5	50.4	-0.1	-0.2%
65.4%	50.5	50.4	-0.1	-0.2%
66.7%	50.5	50.3	-0.2	-0.4%
67.9%	50.4	50.2	-0.2	-0.4%
69.1%	50.4	50.2	-0.2	-0.4%
70.4%	50.3	50.1	-0.1	-0.2%
71.6%	50.2	50.1	-0.1	-0.2%
72.8%	50.1	50.1	0.0	0.0%
74.1%	50.1	50.1	0.0	0.0%
75.3%	50.0	50.0	0.1	0.1%
76.5%	50.0	50.0	0.0	0.0%
77.8%	50.0	49.9	-0.1	-0.1%
79.0%	50.0	49.8	-0.1	-0.3%
80.2%	49.9	49.8	-0.1	-0.3%
81.5%	49.9	49.8	-0.1	-0.2%
82.7%	49.9	49.8	-0.1	-0.2%
84.0%	49.8	49.8	0.0	0.0%
85.2%	49.7	49.6	-0.1	-0.2%
86.4%	49.7	49.6	-0.1	-0.3%
87.7%	49.7	49.5	-0.2	-0.3%
88.9%	49.7	49.5	-0.2	-0.3%
90.1%	49.6	49.5	-0.2	-0.4%
91.4%	49.6	49.4	-0.2	-0.3%
92.6%	49.6	49.4	-0.2	-0.4%
93.8%	49.4	49.3	-0.1	-0.1%
95.1%	49.3	49.3	0.0	0.0%
96.3%	49.3	49.2	-0.1	-0.1%
97.5%	49.3	49.0	-0.3	-0.5%
98.8%	49.2	49.0	-0.3	-0.5%
100.0%	49.0	48.7	-0.3	-0.5%

Figure SQ13-1b
Clear Creek below Whiskeytown, Monthly Temperature
Probability of Exceedance

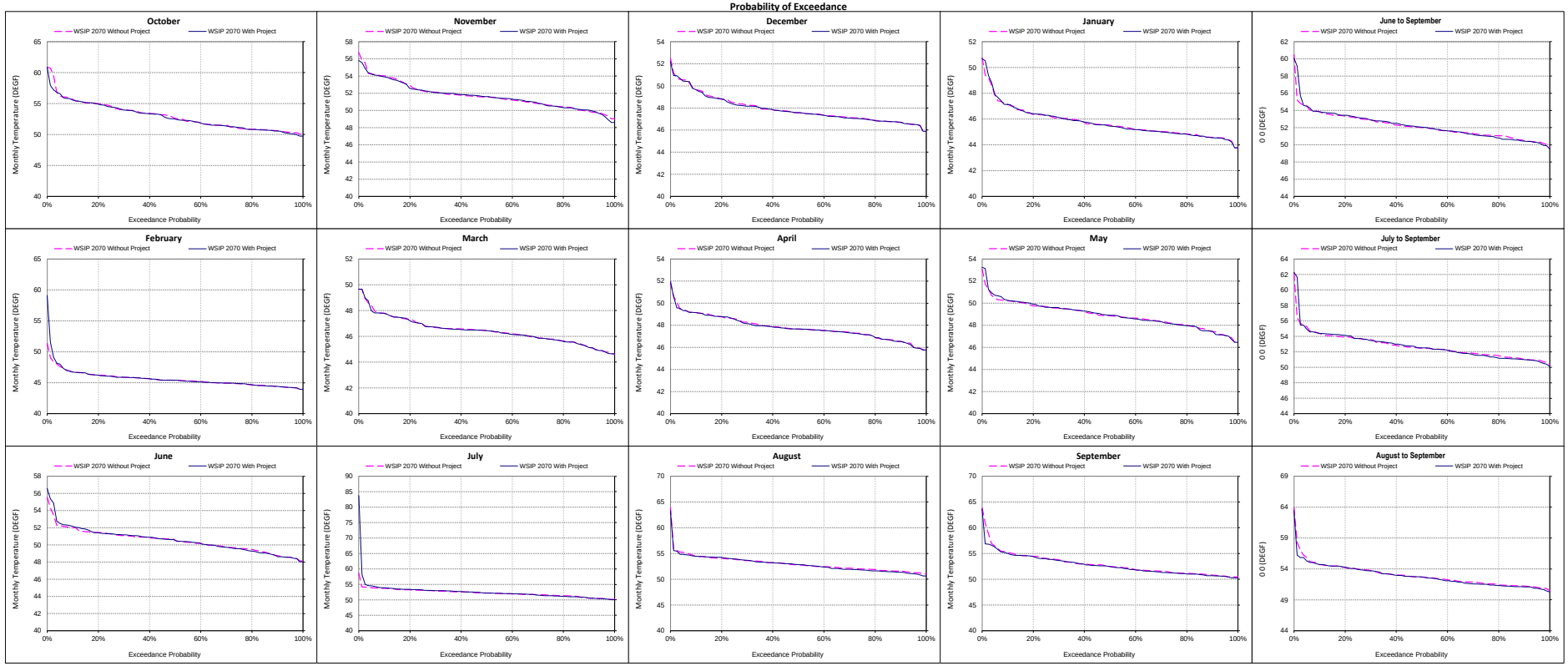


Table SQ13-1b

Clear Creek below Whiskeytown, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.9	60.9	0.0	0.0%
1.2%	60.7	58.0	-2.8	-4.6%
2.5%	59.4	57.2	-2.2	-3.7%
3.7%	56.8	56.8	0.0	0.1%
4.9%	56.2	56.6	0.4	0.7%
6.2%	56.1	56.0	-0.1	-0.2%
7.4%	56.1	55.8	-0.2	-0.4%
8.6%	55.8	55.8	0.0	0.0%
9.9%	55.7	55.5	-0.2	-0.3%
11.1%	55.4	55.4	0.0	0.1%
12.3%	55.3	55.4	0.1	0.1%
13.6%	55.3	55.3	0.0	0.0%
14.8%	55.1	55.2	0.1	0.1%
16.0%	55.1	55.2	0.1	0.1%
17.3%	55.1	55.1	0.1	0.1%
18.5%	55.0	55.1	0.1	0.1%
19.8%	55.0	54.9	-0.1	-0.1%
21.0%	54.9	54.8	-0.1	-0.3%
22.2%	54.8	54.8	-0.1	-0.1%
23.5%	54.7	54.5	-0.2	-0.4%
24.7%	54.6	54.5	-0.2	-0.3%
25.9%	54.2	54.4	0.2	0.4%
27.2%	54.2	54.3	0.2	0.3%
28.4%	54.0	54.1	0.1	0.2%
29.6%	54.0	54.0	-0.1	-0.1%
30.9%	54.0	53.9	0.0	-0.1%
32.1%	53.9	53.9	0.0	0.0%
33.3%	53.9	53.8	-0.1	-0.1%
34.6%	53.8	53.7	-0.2	-0.3%
35.8%	53.6	53.5	-0.1	-0.2%
37.0%	53.5	53.5	0.0	0.0%
38.3%	53.5	53.4	-0.1	-0.1%
39.5%	53.4	53.4	0.0	-0.1%
40.7%	53.4	53.3	0.0	-0.1%
42.0%	53.4	53.3	-0.1	-0.1%
43.2%	53.3	53.3	0.0	0.0%
44.4%	53.2	53.2	0.0	0.0%
45.7%	53.2	52.9	-0.3	-0.6%
46.9%	53.1	52.6	-0.5	-0.9%
48.1%	53.0	52.5	-0.4	-0.8%
49.4%	52.7	52.5	-0.2	-0.3%
50.6%	52.6	52.4	-0.2	-0.3%
51.9%	52.5	52.3	-0.1	-0.2%
53.1%	52.5	52.3	-0.1	-0.3%
54.3%	52.1	52.3	0.2	0.3%
55.6%	52.1	52.2	0.1	0.2%
56.8%	52.1	52.2	0.0	0.1%
58.0%	52.0	52.0	0.0	0.0%
59.3%	51.9	52.0	0.0	0.0%
60.5%	51.7	51.8	0.1	0.2%
61.7%	51.7	51.7	0.0	0.0%
63.0%	51.6	51.6	0.0	-0.1%
64.2%	51.6	51.5	-0.1	-0.2%
65.4%	51.5	51.5	0.0	0.0%
66.7%	51.5	51.5	0.0	0.0%
67.9%	51.5	51.5	0.0	0.0%
69.1%	51.5	51.4	0.0	-0.1%
70.4%	51.5	51.3	-0.1	-0.2%
71.6%	51.2	51.3	0.1	0.1%
72.8%	51.2	51.2	0.0	0.1%
74.1%	51.1	51.1	0.1	0.1%
75.3%	51.0	51.1	0.1	0.3%
76.5%	50.9	51.1	0.2	0.3%
77.8%	50.9	50.9	0.0	0.0%
79.0%	50.9	50.8	0.0	0.0%
80.2%	50.8	50.8	0.0	0.0%
81.5%	50.8	50.8	0.0	0.0%
82.7%	50.8	50.7	-0.1	-0.2%
84.0%	50.8	50.7	-0.1	-0.1%
85.2%	50.7	50.7	0.0	0.0%
86.4%	50.7	50.7	0.0	0.0%
87.7%	50.7	50.6	0.0	-0.1%
88.9%	50.6	50.6	-0.1	-0.1%
90.1%	50.6	50.5	-0.1	-0.1%
91.4%	50.5	50.5	0.0	0.0%
92.6%	50.5	50.3	-0.1	-0.3%
93.8%	50.4	50.2	-0.2	-0.3%
95.1%	50.4	50.1	-0.2	-0.5%
96.3%	50.3	50.1	-0.2	-0.4%
97.5%	50.3	50.0	-0.3	-0.7%
98.8%	50.1	49.7	-0.3	-0.7%
100.0%	50.1	49.7	0.0	-0.7%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.7	55.8	-0.9	-1.6%
1.2%	55.9	55.6	-0.3	-0.5%
2.5%	55.5	54.9	-0.7	-1.2%
3.7%	54.3	54.4	0.1	0.2%
4.9%	54.3	54.2	-0.1	-0.1%
6.2%	54.1	54.1	0.0	0.0%
7.4%	54.1	54.1	-0.1	-0.1%
8.6%	54.0	54.0	-0.1	-0.2%
9.9%	54.0	53.9	-0.1	-0.2%
11.1%	54.0	53.8	-0.1	-0.2%
12.3%	53.8	53.7	-0.1	-0.2%
13.6%	53.8	53.6	-0.2	-0.4%
14.8%	53.6	53.5	-0.1	-0.2%
16.0%	53.4	53.3	-0.1	-0.2%
17.3%	53.3	53.2	-0.1	-0.1%
18.5%	53.0	53.1	0.1	0.1%
19.8%	53.0	52.6	-0.4	-0.7%
21.0%	52.7	52.5	-0.2	-0.3%
22.2%	52.5	52.4	-0.1	-0.1%
23.5%	52.4	52.4	0.0	0.0%
24.7%	52.3	52.4	0.1	0.1%
25.9%	52.2	52.3	0.1	0.1%
27.2%	52.1	52.2	0.1	0.2%
28.4%	52.1	52.1	0.0	0.0%
29.6%	52.1	52.1	-0.1	-0.1%
30.9%	52.1	52.1	0.0	-0.1%
32.1%	52.1	52.1	0.0	0.0%
33.3%	52.0	52.0	0.0	0.1%
34.6%	51.9	52.0	0.1	0.2%
35.8%	51.9	52.0	0.1	0.2%
37.0%	51.9	52.0	0.1	0.2%
38.3%	51.8	51.9	0.1	0.1%
39.5%	51.8	51.9	0.1	0.2%
40.7%	51.8	51.8	0.1	0.1%
42.0%	51.7	51.8	0.1	0.3%
43.2%	51.7	51.8	0.1	0.2%
44.4%	51.7	51.8	0.1	0.2%
45.7%	51.6	51.7	0.1	0.2%
46.9%	51.6	51.7	0.1	0.2%
48.1%	51.6	51.6	0.1	0.1%
49.4%	51.6	51.6	0.1	0.1%
50.6%	51.6	51.6	0.1	0.1%
51.9%	51.5	51.5	0.0	-0.1%
53.1%	51.5	51.5	0.0	-0.1%
54.3%	51.5	51.5	0.0	0.0%
55.6%	51.4	51.4	0.0	0.0%
56.8%	51.3	51.4	0.1	0.1%
58.0%	51.2	51.4	0.1	0.3%
59.3%	51.2	51.4	0.1	0.2%
60.5%	51.2	51.3	0.1	0.2%
61.7%	51.2	51.3	0.1	0.2%
63.0%	51.1	51.2	0.1	0.3%
64.2%	51.1	51.2	0.1	0.2%
65.4%	51.0	51.1	0.1	0.1%
66.7%	50.9	51.0	0.1	0.2%
67.9%	50.9	51.0	0.1	0.2%
69.1%	50.8	51.0	0.2	0.3%
70.4%	50.8	50.8	0.0	0.0%
71.6%	50.8	50.8	0.0	0.0%
72.8%	50.7	50.6	-0.1	-0.2%
74.1%	50.6	50.5	-0.1	-0.1%
75.3%	50.6	50.5	-0.1	-0.1%
76.5%	50.5	50.5	0.0	-0.1%
77.8%	50.4	50.5	0.0	0.0%
79.0%	50.4	50.4	-0.1	-0.1%
80.2%	50.4	50.3	-0.1	-0.2%
81.5%	50.4	50.3	-0.1	-0.1%
82.7%	50.4	50.3	-0.1	-0.1%
84.0%	50.3	50.3	0.0	0.0%
85.2%	50.0	50.2	0.1	0.2%
86.4%	50.0	50.1	0.1	0.1%
87.7%	50.0	50.1	0.1	0.2%
88.9%	49.9	50.1	0.1	0.2%
90.1%	49.9	50.0	0.1	0.3%
91.4%	49.8	49.9	0.1	0.3%
92.6%	49.8	49.8	0.1	0.2%
93.8%	49.7	49.7	-0.1	-0.1%
95.1%	49.6	49.5	-0.1	-0.2%
96.3%	49.5	49.3	-0.2	-0.5%
97.5%	49.3	48.9	-0.4	-0.9%
98.8%	49.0	48.6	-0.4	-0.9%
100.0%	49.0	48.6	-0.4	-0.9%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.5	52.2	-0.3	-0.6%
1.2%	51.2	51.0	-0.2	-0.4%
2.5%	50.7	50.9	0.2	0.4%
3.7%	50.6	50.7	0.1	0.2%
4.9%	50.5	50.4	-0.1	-0.2%
6.2%	50.5	50.4	-0.1	-0.3%
7.4%	50.3	50.4	0.1	0.3%
8.6%	49.8	49.8	-0.1	-0.1%
9.9%	49.7	49.7	0.0	0.0%
11.1%	49.6	49.5	-0.1	-0.2%
12.3%	49.5	49.4	-0.1	-0.2%
13.6%	49.2	49.1	-0.1	-0.2%
14.8%	49.1	49.0	-0.1	-0.3%
16.0%	49.1	48.9	-0.1	-0.2%
17.3%	48.9	48.9	0.0	-0.1%
18.5%	48.9	48.8	-0.1	-0.2%
19.8%	48.8	48.8	0.0	0.1%
21.0%	48.8	48.8	0.0	0.0%
22.2%	48.8	48.6	-0.2	-0.4%
23.5%	48.6	48.4	-0.1	-0.3%
24.7%	48.5	48.3	-0.2	-0.3%
25.9%	48.4	48.3	-0.1	-0.3%
27.2%	48.4	48.2	-0.1	-0.2%
28.4%	48.4	48.2	-0.1	-0.3%
29.6%	48.3	48.2	-0.1	-0.2%
30.9%	48.2	48.2	-0.1	-0.1%
32.1%	48.2	48.2	-0.1	-0.2%
33.3%	48.2	48.1	-0.1	-0.1%
34.6%	48.0	48.1	0.0	0.1%
35.8%	47.9	48.0	0.1	0.2%
37.0%	47.9	48.0	0.1	0.1%
38.3%	47.9	47.9	0.0	0.0%
39.5%	47.9	47.9	0.0	0.0%
40.7%	47.8	47.8	0.0	0.0%
42.0%	47.8	47.8	0.0	0.0%
43.2%	47.8	47.7	0.0	-0.1%
44.4%	47.7	47.7	0.0	-0.1%
45.7%	47.7	47.7	0.0	-0.1%
46.9%	47.7	47.7	0.0	0.0%
48.1%	47.6	47.6	0.0	0.1%
49.4%	47.6	47.6	0.0	0.0%
50.6%	47.6	47.6	0.0	0.0%
51.9%	47.5	47.5	0.0	0.1%
53.1%	47.5	47.5	0.0	0.0%
54.3%	47.5	47.4	0.0	-0.1%
55.6%	47.5	47.4	0.0	0.0%
56.8%	47.5	47.4	0.0	-0.1%
58.0%	47.5	47.4	-0.1	-0.1%
59.3%	47.4	47.4	0.0	0.0%
60.5%	47.3	47.3	0.0	-0.1%
61.7%	47.3	47.2	-0.1	-0.1%
63.0%	47.3	47.2	-0.1	-0.1%
64.2%	47.3	47.2	0.0	-0.1%
65.4%	47.2	47.2	0.0	-0.1%
66.7%	47.2	47.2	0.0	-0.1%
67.9%	47.2	47.1	-0.1	-0.2%
69.1%	47.1	47.1	0.0	-0.1%
70.4%	47.1	47.1	0.0	-0.1%
71.6%	47.1	47.1	-0.1	-0.1%
72.8%	47.1	47.0	-0.1	-0.1%
74.1%	47.1	47.0	0.0	-0.1%
75.3%	47.1	47.0	-0.1	-0.2%
76.5%	47.0	47.0	0.0	0.0%
77.8%	47.0	46.9	-0.1	-0.1%
79.0%	46.9	46.9	0.0	0.0%
80.2%	46.9	46.8	0.0	-0.1%
81.5%	46.8	46.8	0.0	0.0%
82.7%	46.8	46.8	0.0	0.0%
84.0%	46.8	46.8	0.0	0.0%
85.2%	46.8	46.8	0.0	0.0%
86.4%	46.8	46.8	0.0	0.0%
87.7%	46.8	46.8	0.0	0.0%
88.9%	46.7	46.7	0.0	0.0%
90.1%	46.7	46.7	0.0	0.1%
91.4%	46.7	46.6	-0.1	-0.1%
92.6%	46.6	46.6	0.0	0.0%
93.8%	46.5	46.6	0.0	0.1%
95.1%	46.5	46.5	0.0	0.1%
96.3%	46.5	46.5	0.0	0.1%
97.5%	46.4	46.4	0.0	0.0%
98.8%	45.9	45.9	0.0	0.0%
100.0%	45.9	45.9	0.0	0.0%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	50.8	50.7	-0.1	-0.1%
1.2%	49.4	50.5	1.1	2.3%
2.5%	49.2	49.4	0.2	0.4%
3.7%	48.6	48.8	0.2	0.4%
4.9%	47.9	47.9	0.0	0.0%
6.2%	47.4	47.7	0.3	0.6%
7.4%	47.4	47.4	0.1	0.2%
8.6%	47.2	47.1	-0.1	-0.1%
9.9%	47.2	47.1	0.0	-0.1%
11.1%	47.0	47.1	0.1	0.2%
12.3%	47.0	46.9	-0.1	-0.2%
13.6%	46.7	46.8	0.1	0.2%
14.8%	46.7	46.7	0.0	-0.1%
16.0%	46.7	46.6	-0.1	-0.2%
17.3%	46.5	46.5	0.0	0.0%
18.5%	46.5	46.5	0.0	-0.1%
19.8%	46.4	46.4	0.1	0.1%
21.0%	46.4	46.4	0.0	0.1%
22.2%	46.4	46.4	0.0	0.0%
23.5%	46.3	46.4	0.0	0.1%
24.7%	46.3	46.3	0.0	0.0%
25.9%	46.3	46.3	0.0	0.0%
27.2%	46.2	46.2	0.1	0.1%
28.4%	46.1	46.2	0.1	0.3%
29.6%	46.1	46.1	0.1	0.1%
30.9%	46.1	46.1	0.0	0.1%
32.1%	46.0	46.0	0.0	-0.1%
33.3%	46.0	46.0	-0.1	-0.2%
34.6%	46.0	45.9	0.0	-0.1%
35.8%	46.0	45.9	-0.1	-0.2%
37.0%	45.9	45.9	0.0	-0.1%
38.3%	45.9	45.9	0.0	0.0%
39.5%	45.8	45.8	0.0	0.0%
40.7%	45.6	45.8	0.1	0.3%
42.0%	45.6	45.7	0.1	0.2%
43.2%	45.6	45.6	0.0	0.1%
44.4%	45.6	45.6	0.0	-0.1%
45.7%	45.6	45.6	0.0	-0.1%
46.9%	45.6	45.5	0.0	-0.1%
48.1%	45.5	45.5	0.0	0.0%
49.4%	45.5	45.5	-0.1	-0.2%
50.6%	45.5	45.4	0.0	-0.1%
51.9%	45.4	45.4	0.0	0.0%
53.1%	45.4	45.4	-0.1	-0.1%
54.3%	45.4	45.3	-0.1	-0.1%
55.6%	45.4	45.3	-0.1	-0.2%
56.8%	45.3	45.2	-0.1	-0.2%
58.0%	45.3	45.2	-0.1	-0.1%
59.3%	45.2	45.2	0.0	0.0%
60.5%	45.2	45.2	0.0	-0.1%
61.7%	45.2	45.2	0.0	0.0%
63.0%	45.2	45.1	0.0	-0.1%
64.2%	45.2	45.1	-0.1	-0.1%
65.4%	45.1	45.1	0.0	-0.1%
66.7%	45.1	45.1	0.0	0.0%
67.9%	45.1	45.0	0.0	0.0%
69.1%	45.0	45.0	0.0	0.0%
70.4%	45.0	45.0	0.0	-0.1%
71.6%	45.0	45.0	0.0	0.0%
72.8%	45.0	45.0	-0.1	-0.1%
74.1%	45.0	44.9	-0.1	-0.2%
75.3%	44.9	44.9	-0.1	-0.1%
76.5%	44.9	44.9	-0.1	-0.1%
77.8%	44.9	44.8	0.0	-0.1%
79.0%	44.9	44.8	0.0	0.0%
80.2%	44.8	44.8	0.0	-0.1%
81.5%	44.8	44.8	0.0	-0.1%
82.7%	44.8	44.7	-0.1	-0.2%
84.0%	44.8	44.7	-0.1	-0.1%
85.2%	44.7	44.7	0.0	0.1%
86.4%	44.6	44.7	0.0	0.1%
87.7%	44.6	44.6	0.0	0.0%
88.9%	44.6	44.6	0.0	0.0%
90.1%	44.6	44.5	0.0	-0.1%
91.4%	44.6	44.5	0.0	-0.1%
92.6%	44.5	44.5	0.0	0.0%
93.8%	44.5	44.5	0.0	-0.1%
95.1%	44.5	44.4	-0.1	-0.2%
96.3%	44.4	44.4	0.0	-0.1%
97.5%	44.3	44.2	0.0	-0.1%
98.8%	43.8	43.8	0.0	0.0%
100.0%	43.8	43.8	0.0	0.0%

Table SQ13-1b

Clear Creek below Whiskeytown, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	51.3	59.1	7.7	15.1%
1.2%	49.1	51.6	2.5	5.2%
2.5%	48.3	49.1	0.8	1.6%
3.7%	48.0	48.2	0.1	0.3%
4.9%	47.6	48.0	0.4	0.8%
6.2%	47.3	47.4	0.0	0.1%
7.4%	47.1	47.0	-0.1	-0.2%
8.6%	46.9	46.9	0.0	0.0%
9.9%	46.7	46.8	0.0	0.1%
11.1%	46.7	46.7	0.0	-0.1%
12.3%	46.6	46.7	0.0	0.0%
13.6%	46.6	46.6	0.0	0.1%
14.8%	46.6	46.6	0.0	0.1%
16.0%	46.4	46.4	0.0	-0.1%
17.3%	46.3	46.3	0.0	0.0%
18.5%	46.3	46.3	0.0	0.1%
19.8%	46.2	46.2	0.0	0.0%
21.0%	46.2	46.1	-0.1	-0.2%
22.2%	46.2	46.1	-0.1	-0.2%
23.5%	46.1	46.1	-0.1	-0.1%
24.7%	46.1	46.1	0.0	-0.1%
25.9%	46.1	46.0	-0.1	-0.3%
27.2%	45.9	45.9	0.0	0.0%
28.4%	45.9	45.9	0.0	0.0%
29.6%	45.9	45.9	0.0	0.0%
30.9%	45.9	45.9	0.0	0.0%
32.1%	45.9	45.9	0.0	0.0%
33.3%	45.9	45.8	0.0	0.0%
34.6%	45.8	45.8	0.0	0.0%
35.8%	45.8	45.8	0.0	0.0%
37.0%	45.7	45.7	0.0	0.0%
38.3%	45.7	45.7	0.0	0.1%
39.5%	45.7	45.7	0.0	0.0%
40.7%	45.6	45.6	0.0	0.0%
42.0%	45.6	45.6	0.0	0.0%
43.2%	45.5	45.6	0.1	0.2%
44.4%	45.4	45.4	0.0	0.0%
45.7%	45.4	45.4	0.0	0.0%
46.9%	45.4	45.4	0.0	0.0%
48.1%	45.4	45.4	0.0	0.0%
49.4%	45.4	45.4	0.0	0.0%
50.6%	45.4	45.4	0.0	0.0%
51.9%	45.4	45.4	0.0	0.1%
53.1%	45.3	45.3	-0.1	-0.1%
54.3%	45.3	45.3	-0.1	-0.1%
55.6%	45.3	45.2	-0.1	-0.2%
56.8%	45.3	45.2	-0.1	-0.2%
58.0%	45.3	45.2	-0.1	-0.2%
59.3%	45.2	45.2	-0.1	-0.2%
60.5%	45.2	45.1	-0.1	-0.2%
61.7%	45.1	45.1	0.0	0.0%
63.0%	45.1	45.1	0.0	0.0%
64.2%	45.0	45.0	0.0	0.0%
65.4%	45.0	45.0	0.0	0.0%
66.7%	45.0	45.0	0.0	0.0%
67.9%	45.0	45.0	0.0	0.0%
69.1%	45.0	45.0	0.0	0.0%
70.4%	45.0	45.0	0.0	0.0%
71.6%	44.9	44.9	0.0	0.0%
72.8%	44.9	44.9	0.1	0.1%
74.1%	44.9	44.9	0.0	0.1%
75.3%	44.9	44.9	0.0	0.0%
76.5%	44.8	44.8	0.0	0.1%
77.8%	44.7	44.8	0.1	0.2%
79.0%	44.7	44.7	0.0	0.0%
80.2%	44.6	44.7	0.1	0.2%
81.5%	44.6	44.6	0.0	0.1%
82.7%	44.6	44.6	0.0	0.0%
84.0%	44.6	44.5	0.0	-0.1%
85.2%	44.6	44.5	-0.1	-0.2%
86.4%	44.5	44.5	0.0	0.0%
87.7%	44.5	44.5	0.0	0.0%
88.9%	44.4	44.4	0.0	-0.1%
90.1%	44.4	44.4	0.0	0.0%
91.4%	44.3	44.3	0.0	0.0%
92.6%	44.3	44.3	0.0	-0.1%
93.8%	44.3	44.2	0.0	-0.1%
95.1%	44.3	44.2	0.0	-0.1%
96.3%	44.2	44.2	0.0	0.1%
97.5%	44.2	44.2	0.0	0.0%
98.8%	44.0	43.9	0.0	0.0%
100.0%	44.0	43.9	0.0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	49.6	49.7	0.0	0.0%
1.2%	49.6	49.7	0.0	0.0%
2.5%	48.9	49.0	0.0	0.1%
3.7%	48.6	48.8	0.2	0.4%
4.9%	48.4	48.0	-0.4	-0.8%
6.2%	48.0	47.8	-0.2	-0.3%
7.4%	47.8	47.8	0.0	0.0%
8.6%	47.8	47.8	0.0	0.0%
9.9%	47.8	47.8	0.0	0.0%
11.1%	47.7	47.7	0.0	0.1%
12.3%	47.6	47.6	0.0	0.0%
13.6%	47.5	47.5	0.0	0.0%
14.8%	47.5	47.5	0.0	0.0%
16.0%	47.4	47.5	0.0	0.1%
17.3%	47.4	47.4	0.0	0.1%
18.5%	47.3	47.4	0.1	0.1%
19.8%	47.3	47.2	-0.1	-0.2%
21.0%	47.3	47.1	-0.2	-0.4%
22.2%	47.1	47.1	0.0	-0.1%
23.5%	47.0	47.0	0.0	0.1%
24.7%	47.0	47.0	0.0	0.1%
25.9%	46.8	46.8	0.0	-0.1%
27.2%	46.8	46.7	0.0	0.0%
28.4%	46.7	46.7	0.0	0.0%
29.6%	46.7	46.7	0.0	0.1%
30.9%	46.7	46.7	0.0	0.1%
32.1%	46.6	46.6	0.0	0.0%
33.3%	46.6	46.6	0.0	0.0%
34.6%	46.6	46.6	0.0	0.0%
35.8%	46.6	46.6	0.0	-0.1%
37.0%	46.6	46.6	0.0	-0.1%
38.3%	46.6	46.6	0.0	-0.1%
39.5%	46.6	46.5	-0.1	-0.1%
40.7%	46.6	46.5	0.0	-0.1%
42.0%	46.5	46.5	0.0	-0.1%
43.2%	46.5	46.5	0.0	-0.1%
44.4%	46.5	46.5	0.0	-0.1%
45.7%	46.5	46.5	0.0	0.0%
46.9%	46.5	46.5	0.0	0.0%
48.1%	46.5	46.5	0.0	0.0%
49.4%	46.5	46.4	0.0	-0.1%
50.6%	46.4	46.4	0.0	0.0%
51.9%	46.4	46.4	0.0	0.0%
53.1%	46.3	46.4	0.0	0.1%
54.3%	46.3	46.4	0.0	0.1%
55.6%	46.3	46.3	0.0	-0.1%
56.8%	46.3	46.3	0.0	-0.1%
58.0%	46.2	46.2	0.0	0.0%
59.3%	46.2	46.2	-0.1	-0.1%
60.5%	46.2	46.1	-0.1	-0.1%
61.7%	46.2	46.1	0.0	-0.1%
63.0%	46.1	46.1	0.0	0.0%
64.2%	46.1	46.1	0.0	0.0%
65.4%	46.1	46.1	0.0	0.0%
66.7%	46.0	46.0	0.0	0.1%
67.9%	45.9	46.0	0.1	0.1%
69.1%	45.9	45.9	0.0	0.0%
70.4%	45.9	45.9	0.0	0.0%
71.6%	45.9	45.9	0.0	0.0%
72.8%	45.8	45.8	0.0	0.0%
74.1%	45.8	45.8	0.0	0.0%
75.3%	45.8	45.8	0.0	-0.1%
76.5%	45.8	45.7	-0.1	-0.1%
77.8%	45.7	45.7	0.0	0.0%
79.0%	45.7	45.7	0.0	0.0%
80.2%	45.6	45.6	-0.1	-0.1%
81.5%	45.6	45.6	0.0	0.0%
82.7%	45.6	45.6	0.0	0.0%
84.0%	45.6	45.6	0.0	0.0%
85.2%	45.5	45.5	0.0	0.0%
86.4%	45.4	45.4	0.0	-0.1%
87.7%	45.3	45.3	0.0	0.0%
88.9%	45.2	45.2	0.0	0.0%
90.1%	45.1	45.1	0.0	0.0%
91.4%	45.1	45.1	0.0	0.0%
92.6%	45.0	45.0	0.0	0.0%
93.8%	44.9	44.9	0.0	0.0%
95.1%	44.9	44.9	0.0	0.0%
96.3%	44.8	44.8	0.0	0.0%
97.5%	44.8	44.7	-0.1	-0.2%
98.8%	44.6	44.7	0.0	0.1%
100.0%	44.6	44.7	0.0	0.1%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	51.9	51.9	0.0	0.0%
1.2%	50.6	50.6	0.0	0.0%
2.5%	50.1	49.6	-0.5	-1.1%
3.7%	49.5	49.5	0.1	0.1%
4.9%	49.4	49.3	-0.1	-0.2%
6.2%	49.3	49.3	0.0	0.0%
7.4%	49.2	49.2	0.0	0.0%
8.6%	49.2	49.2	0.0	0.0%
9.9%	49.2	49.1	0.0	-0.1%
11.1%	49.1	49.1	0.0	0.0%
12.3%	49.1	49.1	0.0	0.0%
13.6%	49.0	48.9	-0.1	-0.2%
14.8%	49.0	48.9	-0.1	-0.2%
16.0%	48.9	48.9	0.0	0.0%
17.3%	48.9	48.8	0.0	-0.1%
18.5%	48.8	48.8	0.0	0.0%
19.8%	48.8	48.8	0.0	0.0%
21.0%	48.7	48.8	0.1	0.1%
22.2%	48.6	48.8	0.1	0.2%
23.5%	48.6	48.7	0.0	0.1%
24.7%	48.6	48.6	0.0	0.0%
25.9%	48.5	48.4	-0.1	-0.2%
27.2%	48.4	48.4	0.0	-0.1%
28.4%	48.3	48.2	-0.1	-0.2%
29.6%	48.3	48.1	-0.1	-0.3%
30.9%	48.2	48.1	-0.1	-0.2%
32.1%	48.2	48.0	-0.1	-0.3%
33.3%	48.1	48.0	-0.2	-0.3%
34.6%	48.0	48.0	-0.1	-0.1%
35.8%	48.0	48.0	0.0	0.0%
37.0%	47.9	47.9	0.0	0.0%
38.3%	47.9	47.9	0.0	0.0%
39.5%	47.9	47.9	-0.1	-0.1%
40.7%	47.9	47.8	0.0	-0.1%
42.0%	47.9	47.8	0.0	-0.1%
43.2%	47.8	47.8	0.0	0.0%
44.4%	47.8	47.8	0.0	-0.1%
45.7%	47.7	47.7	0.0	-0.1%
46.9%	47.7	47.7	0.0	-0.1%
48.1%	47.7	47.7	0.0	0.0%
49.4%	47.6	47.7	0.0	0.0%
50.6%	47.6	47.7	0.0	0.1%
51.9%	47.6	47.7	0.0	0.1%
53.1%	47.6	47.6	0.0	0.0%
54.3%	47.6	47.6	0.0	0.0%
55.6%	47.6	47.6	0.0	-0.1%
56.8%	47.6	47.6	0.0	-0.1%
58.0%	47.6	47.6	0.0	0.0%
59.3%	47.5	47.5	0.0	0.0%
60.5%	47.5	47.5	0.0	0.0%
61.7%	47.5	47.5	0.0	0.0%
63.0%	47.5	47.5	0.0	0.0%
64.2%	47.4	47.4	0.0	0.0%
65.4%	47.4	47.4	0.0	0.0%
66.7%	47.4	47.4	0.0	-0.1%
67.9%	47.4	47.4	0.0	-0.1%
69.1%	47.4	47.3	-0.1	-0.1%
70.4%	47.4	47.3	-0.1	-0.2%
71.6%	47.3	47.3	0.0	0.0%
72.8%	47.3	47.3	0.0	0.0%
74.1%	47.3	47.2	-0.1	-0.1%
75.3%	47.2	47.2	0.0	0.0%
76.5%	47.2	47.1	0.0	0.0%
77.8%	47.1	47.1	0.0	0.0%
79.0%	47.0	47.0	0.0	0.0%
80.2%	46.9	46.9	0.0	0.1%
81.5%	46.8	46.9	0.1	0.1%
82.7%	46.7	46.7	0.0	0.0%
84.0%	46.7	46.7	0.0	0.0%
85.2%	46.7	46.7	0.0	0.0%
86.4%	46.7	46.6	-0.1	-0.1%
87.7%	46.6	46.6	-0.1	-0.1%
88.9%	46.6	46.5	0.0	0.0%
90.1%	46.5	46.5	0.0	0.0%
91.4%	46.4	46.5	0.0	0.0%
92.6%	46.4	46.4	0.0	-0.1%
93.8%	46.4	46.2	-0.2	-0.3%
95.1%	46.0	46.0	-0.1	-0.1%
96.3%	46.0	45.9	0.0	-0.1%
97.5%	45.9	45.9	0.0	-0.1%
98.8%	45.8	45.8	0.0	0.0%
100.0%	45.8	45.8	0.0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.1	53.3	0.2	0.3%
1.2%	51.7	53.1	1.4	2.8%
2.5%	51.2	51.3	0.0	0.0%
3.7%	50.7	50.9	0.2	0.4%
4.9%	50.5	50.7	0.3	0.5%
6.2%	50.3	50.7	0.3	0.7%
7.4%	50.3	50.6	0.3	0.6%
8.6%	50.3	50.4	0.1	0.2%
9.9%	50.2	50.3	0.0	0.1%
11.1%	50.2	50.2	0.0	0.0%
12.3%	50.2	50.2	0.0	0.1%
13.6%	50.1	50.2	0.1	0.2%
14.8%	50.1	50.1	0.1	0.1%
16.0%	50.0	50.1	0.1	0.1%
17.3%	49.9	50.0	0.1	0.2%
18.5%	49.9	50.0	0.1	0.3%
19.8%	49.8	49.9	0.2	0.3%
21.0%	49.7	49.9	0.2	0.3%
22.2%	49.7	49.7	0.0	0.0%
23.5%	49.7	49.7	0.0	0.0%
24.7%	49.7	49.6	-0.1	-0.1%
25.9%	49.7	49.6	0.0	-0.1%
27.2%	49.6	49.6	0.0	0.1%
28.4%	49.6	49.6	0.0	0.1%
29.6%	49.6	49.6	0.0	0.1%
30.9%	49.5	49.5	0.0	-0.1%
32.1%	49.5	49.5	0.0	-0.1%
33.3%	49.5	49.5	0.0	0.0%
34.6%	49.4	49.5	0.0	0.0%
35.8%	49.4	49.4	0.0	-0.1%
37.0%	49.3	49.4	0.0	0.0%
38.3%	49.3	49.3	0.0	0.0%
39.5%	49.3	49.3	0.0	0.0%
40.7%	49.2	49.3	0.1	0.2%
42.0%	49.1	49.2	0.1	0.3%
43.2%	49.1	49.2	0.1	0.2%
44.4%	49.1	49.1	0.1	0.1%
45.7%	48.9	49.1	0.2	0.3%
46.9%	48.9	49.0	0.1	0.2%
48.1%	48.9	49.0	0.1	0.2%
49.4%	48.9	48.9	0.0	0.1%
50.6%	48.8	48.9	0.1	0.1%
51.9%	48.8	48.9	0.1	0.1%
53.1%	48.8	48.9	0.0	0.1%
54.3%	48.8	48.7	0.0	-0.1%
55.6%	48.7	48.7	0.0	-0.1%
56.8%	48.7	48.7	0.0	-0.1%
58.0%	48.7	48.6	0.0	0.0%
59.3%	48.7	48.6	-0.1	-0.1%
60.5%	48.6	48.6	-0.1	-0.2%
61.7%	48.6	48.5	-0.1	-0.2%
63.0%	48.6	48.5	-0.1	-0.2%
64.2%	48.5	48.4	-0.1	-0.2%
65.4%	48.5	48.4	-0.1	-0.2%
66.7%	48.5	48.4	0.0	-0.1%
67.9%	48.4	48.4	0.0	-0.1%
69.1%	48.4	48.4	0.0	0.0%
70.4%	48.3	48.3	0.0	0.0%
71.6%	48.3	48.2	-0.1	-0.2%
72.8%	48.2	48.2	0.0	-0.1%
74.1%	48.2	48.1	-0.1	-0.2%
75.3%	48.1	48.1	0.0	0.0%
76.5%	48.1	48.1	0.0	0.0%
77.8%	48.1	48.0	-0.1	-0.1%
79.0%	48.1	48.0	-0.1	-0.2%
80.2%	48.0	48.0	0.0	-0.1%
81.5%	47.9	47.9	0.0	0.0%
82.7%	47.9	47.9	0.0	0.1%
84.0%	47.8	47.8	0.0	0.0%
85.2%	47.7	47.6	-0.1	-0.3%
86.4%	47.7	47.5	-0.2	-0.4%
87.7%	47.6	47.5	-0.1	-0.2%
88.9%	47.5	47.5	0.0	0.0%
90.1%	47.4	47.5	0.1	0.1%
91.4%	47.4	47.2	-0.2	-0.5%
92.6%	47.2	47.2	0.0	-0.1%
93.8%	47.2	47.1	0.0	-0.1%
95.1%	47.1	47.1	0.0	0.0%
96.3%	47.0	47.0	0.0	0.1%
97.5%	46.9	46.7	-0.1	-0.3%
98.8%	46.5	46.5	0.0	0.0%
100.0%	46.5	46.5	0.0	0.0%

Table SQ13-1b

Clear Creek below Whiskeytown, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	55.5	56.6	1.1	1.9%
1.2%	54.3	55.4	1.1	2.0%
2.5%	53.5	54.9	1.4	2.7%
3.7%	52.3	52.8	0.5	1.0%
4.9%	52.3	52.5	0.3	0.5%
6.2%	52.2	52.3	0.2	0.3%
7.4%	52.1	52.3	0.2	0.4%
8.6%	52.0	52.3	0.2	0.5%
9.9%	52.0	52.2	0.2	0.3%
11.1%	52.0	52.1	0.1	0.1%
12.3%	51.6	52.0	0.4	0.7%
13.6%	51.6	51.9	0.3	0.5%
14.8%	51.5	51.9	0.3	0.6%
16.0%	51.5	51.7	0.2	0.4%
17.3%	51.5	51.6	0.1	0.2%
18.5%	51.5	51.4	0.0	-0.1%
19.8%	51.5	51.4	0.0	-0.1%
21.0%	51.4	51.4	-0.1	-0.1%
22.2%	51.4	51.3	0.0	-0.1%
23.5%	51.3	51.3	0.0	-0.1%
24.7%	51.3	51.3	0.0	0.1%
25.9%	51.3	51.3	0.0	0.0%
27.2%	51.2	51.2	0.1	0.1%
28.4%	51.1	51.2	0.1	0.2%
29.6%	51.1	51.2	0.1	0.2%
30.9%	51.1	51.2	0.1	0.2%
32.1%	51.0	51.1	0.1	0.2%
33.3%	51.0	51.1	0.1	0.1%
34.6%	50.9	51.1	0.1	0.3%
35.8%	50.9	51.1	0.1	0.3%
37.0%	50.9	51.0	0.1	0.1%
38.3%	50.9	50.9	0.0	0.1%
39.5%	50.9	50.9	0.1	0.1%
40.7%	50.8	50.9	0.1	0.2%
42.0%	50.8	50.8	0.0	0.1%
43.2%	50.7	50.7	0.0	0.0%
44.4%	50.7	50.7	0.0	0.0%
45.7%	50.7	50.7	-0.1	-0.1%
46.9%	50.7	50.7	0.0	-0.1%
48.1%	50.7	50.6	-0.1	-0.1%
49.4%	50.7	50.6	-0.1	-0.1%
50.6%	50.4	50.5	0.0	0.1%
51.9%	50.4	50.4	0.0	0.0%
53.1%	50.4	50.4	0.0	0.1%
54.3%	50.3	50.4	0.1	0.2%
55.6%	50.3	50.4	0.1	0.2%
56.8%	50.3	50.3	0.0	0.0%
58.0%	50.2	50.3	0.1	0.2%
59.3%	50.2	50.2	0.0	0.1%
60.5%	50.2	50.1	-0.1	-0.2%
61.7%	50.1	50.1	0.0	0.0%
63.0%	50.0	50.0	0.0	0.0%
64.2%	49.9	50.0	0.0	0.1%
65.4%	49.9	50.0	0.0	0.1%
66.7%	49.9	49.8	-0.1	-0.2%
67.9%	49.9	49.8	-0.1	-0.2%
69.1%	49.8	49.8	0.0	-0.1%
70.4%	49.7	49.7	0.0	0.0%
71.6%	49.7	49.7	0.0	0.0%
72.8%	49.7	49.6	-0.1	-0.2%
74.1%	49.7	49.6	-0.1	-0.2%
75.3%	49.6	49.5	0.0	-0.1%
76.5%	49.6	49.5	-0.1	-0.2%
77.8%	49.6	49.4	-0.2	-0.3%
79.0%	49.5	49.3	-0.2	-0.3%
80.2%	49.5	49.3	-0.2	-0.4%
81.5%	49.4	49.2	-0.1	-0.3%
82.7%	49.3	49.1	-0.2	-0.4%
84.0%	49.2	49.0	-0.2	-0.3%
85.2%	49.2	49.0	-0.1	-0.2%
86.4%	49.0	49.0	-0.1	-0.1%
87.7%	49.0	48.9	-0.1	-0.1%
88.9%	48.8	48.8	0.0	0.0%
90.1%	48.7	48.6	-0.1	-0.2%
91.4%	48.7	48.6	0.0	-0.1%
92.6%	48.6	48.6	0.0	0.0%
93.8%	48.6	48.6	0.0	0.0%
95.1%	48.6	48.6	0.0	0.0%
96.3%	48.4	48.4	0.0	0.0%
97.5%	48.4	48.4	0.0	0.0%
98.8%	48.1	48.0	-0.1	-0.2%
100.0%	48.1	48.0	-0.1	-0.2%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.7	83.8	25.1	42.8%
1.2%	54.2	58.1	4.0	7.3%
2.5%	54.1	55.0	0.9	1.6%
3.7%	54.0	54.7	0.7	1.2%
4.9%	53.9	54.6	0.7	1.2%
6.2%	53.8	54.3	0.5	0.9%
7.4%	53.8	54.1	0.3	0.6%
8.6%	53.7	53.9	0.2	0.4%
9.9%	53.7	53.9	0.2	0.4%
11.1%	53.7	53.8	0.2	0.3%
12.3%	53.6	53.8	0.2	0.4%
13.6%	53.5	53.7	0.1	0.2%
14.8%	53.4	53.5	0.1	0.2%
16.0%	53.3	53.5	0.2	0.3%
17.3%	53.3	53.4	0.2	0.3%
18.5%	53.3	53.4	0.2	0.3%
19.8%	53.2	53.4	0.2	0.3%
21.0%	53.2	53.4	0.2	0.3%
22.2%	53.1	53.4	0.2	0.4%
23.5%	53.1	53.3	0.2	0.4%
24.7%	53.1	53.2	0.1	0.3%
25.9%	53.0	53.1	0.1	0.1%
27.2%	53.0	53.1	0.0	0.1%
28.4%	53.0	53.0	0.1	0.1%
29.6%	52.9	53.0	0.1	0.2%
30.9%	52.8	53.0	0.2	0.4%
32.1%	52.8	53.0	0.2	0.3%
33.3%	52.8	53.0	0.2	0.4%
34.6%	52.8	52.9	0.1	0.3%
35.8%	52.7	52.9	0.2	0.4%
37.0%	52.6	52.8	0.2	0.3%
38.3%	52.6	52.7	0.1	0.2%
39.5%	52.6	52.7	0.1	0.2%
40.7%	52.6	52.6	0.0	0.1%
42.0%	52.6	52.6	0.0	0.0%
43.2%	52.5	52.6	0.0	0.1%
44.4%	52.4	52.5	0.1	0.2%
45.7%	52.3	52.5	0.2	0.4%
46.9%	52.2	52.5	0.2	0.4%
48.1%	52.2	52.3	0.1	0.2%
49.4%	52.2	52.2	0.0	0.0%
50.6%	52.2	52.2	0.0	0.0%
51.9%	52.2	52.2	0.0	0.1%
53.1%	52.1	52.1	0.0	0.0%
54.3%	52.1	52.1	0.0	0.0%
55.6%	52.0	52.1	0.0	0.1%
56.8%	52.0	52.1	0.1	0.1%
58.0%	52.0	52.0	0.1	0.1%
59.3%	52.0	52.0	0.1	0.1%
60.5%	51.9	52.0	0.1	0.1%
61.7%	51.8	51.9	0.1	0.2%
63.0%	51.8	51.9	0.1	0.2%
64.2%	51.8	51.9	0.1	0.1%
65.4%	51.8	51.8	0.0	0.1%
66.7%	51.7	51.8	0.1	0.1%
67.9%	51.7	51.8	0.1	0.1%
69.1%	51.7	51.6	-0.2	-0.3%
70.4%	51.7	51.5	-0.1	-0.3%
71.6%	51.6	51.4	-0.3	-0.5%
72.8%	51.6	51.4	-0.3	-0.5%
74.1%	51.5	51.4	-0.2	-0.3%
75.3%	51.5	51.3	-0.1	-0.3%
76.5%	51.4	51.2	-0.2	-0.4%
77.8%	51.4	51.2	-0.2	-0.3%
79.0%	51.4	51.2	-0.2	-0.4%
80.2%	51.3	51.1	-0.2	-0.4%
81.5%	51.3	51.1	-0.2	-0.4%
82.7%	51.3	51.0	-0.3	-0.5%
84.0%	51.2	51.0	-0.2	-0.5%
85.2%	51.1	51.0	-0.2	-0.4%
86.4%	50.9	50.9	0.0	0.0%
87.7%	50.7	50.9	0.2	0.4%
88.9%	50.7	50.7	0.1	0.1%
90.1%	50.5	50.6	0.0	0.1%
91.4%	50.5	50.5	0.0	0.0%
92.6%	50.5	50.5	0.0	-0.1%
93.8%	50.5	50.4	-0.1	-0.1%
95.1%	50.4	50.4	-0.1	-0.1%
96.3%	50.4	50.3	-0.1	-0.2%
97.5%	50.2	50.2	0.0	-0.1%
98.8%	50.2	50.0	-0.2	-0.3%
100.0%	50.2	50.0	-0.2	-0.3%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	63.9	63.3	-0.7	-1.1%
1.2%	55.8	55.6	-0.2	-0.4%
2.5%	55.6	55.5	-0.1	-0.2%
3.7%	55.3	54.9	-0.4	-0.8%
4.9%	55.2	54.8	-0.4	-0.7%
6.2%	55.1	54.7	-0.3	-0.6%
7.4%	54.9	54.7	-0.2	-0.4%
8.6%	54.7	54.5	-0.2	-0.3%
9.9%	54.5	54.5	0.0	0.1%
11.1%	54.4	54.4	0.0	0.0%
12.3%	54.4	54.4	0.0	0.0%
13.6%	54.4	54.4	0.0	0.0%
14.8%	54.2	54.3	0.1	0.3%
16.0%	54.2	54.3	0.2	0.3%
17.3%	54.1	54.3	0.1	0.3%
18.5%	54.1	54.3	0.2	0.3%
19.8%	54.1	54.3	0.2	0.4%
21.0%	54.0	54.2	0.2	0.3%
22.2%	54.0	54.1	0.1	0.2%
23.5%	53.9	54.0	0.1	0.2%
24.7%	53.9	54.0	0.1	0.2%
25.9%	53.8	53.9	0.1	0.2%
27.2%	53.8	53.8	0.0	0.1%
28.4%	53.6	53.8	0.1	0.3%
29.6%	53.6	53.7	0.1	0.2%
30.9%	53.6	53.6	0.0	0.0%
32.1%	53.5	53.5	0.0	0.0%
33.3%	53.5	53.4	-0.1	-0.2%
34.6%	53.5	53.4	-0.1	-0.3%
35.8%	53.4	53.4	-0.1	-0.1%
37.0%	53.3	53.3	-0.1	-0.1%
38.3%	53.2	53.3	0.0	0.1%
39.5%	53.2	53.3	0.1	0.1%
40.7%	53.2	53.2	0.0	0.0%
42.0%	53.2	53.1	-0.1	-0.1%
43.2%	53.1	53.1	0.0	0.0%
44.4%	53.1	53.0	0.0	-0.1%
45.7%	53.0	53.0	0.1	0.1%
46.9%	52.9	53.0	0.1	0.3%
48.1%	52.8	52.9	0.1	0.2%
49.4%	52.8	52.9	0.0	0.1%
50.6%	52.7	52.8	0.1	0.2%
51.9%	52.7	52.8	0.1	0.2%
53.1%	52.6	52.7	0.1	0.1%
54.3%	52.6	52.7	0.1	0.1%
55.6%	52.6	52.6	0.0	0.0%
56.8%	52.5	52.5	0.1	0.1%
58.0%	52.5	52.5	0.0	0.1%
59.3%	52.5	52.4	-0.1	-0.2%
60.5%	52.5	52.3	-0.1	-0.2%
61.7%	52.4	52.3	-0.1	-0.2%
63.0%	52.4	52.1	-0.3	-0.6%
64.2%	52.3	52.1	-0.2	-0.5%
65.4%	52.3	52.1	-0.2	-0.4%
66.7%	52.2	52.0	-0.2	-0.4%
67.9%	52.2	51.9	-0.2	-0.4%
69.1%	52.2	51.9	-0.2	-0.4%
70.4%	52.1	51.9	-0.2	-0.4%
71.6%	52.1	51.9	-0.2	-0.4%
72.8%	52.1	51.9	-0.2	-0.3%
74.1%	52.0	51.9	-0.1	-0.3%
75.3%	52.0	51.8	-0.2	-0.5%
76.5%	52.0	51.8	-0.2	-0.5%
77.8%	51.9	51.7	-0.3	-0.5%
79.0%	51.9	51.6	-0.3	-0.5%
80.2%	51.9	51.6	-0.3	-0.5%
81.5%	51.7	51.6	-0.1	-0.2%
82.7%	51.7	51.5	-0.2	-0.3%
84.0%	51.7	51.5	-0.2	-0.3%
85.2%	51.7	51.5	-0.2	-0.3%
86.4%	51.6	51.5	-0.1	-0.2%
87.7%	51.6	51.4	-0.2	-0.3%
88.9%	51.6	51.4	-0.2	-0.4%
90.1%	51.6	51.4	-0.2	-0.4%
91.4%	51.5	51.3	-0.3	-0.5%
92.6%	51.4	51.1	-0.3	-0.5%
93.8%	51.4	51.1	-0.2	-0.5%
95.1%	51.3	51.1	-0.2	-0.5%
96.3%	51.3	51.0	-0.3	-0.5%
97.5%	51.2	50.9	-0.4	-0.7%
98.8%	51.0	50.6	-0.4	-0.8%
100.0%	51.0	50.6	-0.4	-0.8%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	63.8	63.6	-0.2	-0.4%
1.2%	60.8	56.9	-3.9	-6.4%
2.5%	58.8	56.8	-2.0	-3.4%
3.7%	56.9	56.6	-0.3	-0.5%
4.9%	56.5	56.2	-0.2	-0.4%
6.2%	55.9	55.8	-0.2	-0.3%
7.4%	55.4	55.3	-0.1	-0.2%
8.6%	55.4	55.2	-0.2	-0.4%
9.9%	55.2	55.0	-0.2	-0.4%
11.1%	55.1	54.8	-0.3	-0.5%
12.3%	54.9	54.7	-0.3	-0.5%
13.6%	54.7	54.7	0.0	0.0%
14.8%	54.6	54.6	0.0	0.0%
16.0%	54.6	54.6	0.0	0.0%
17.3%	54.5	54.6	0.1	0.1%
18.5%	54.5	54.5	0.0	0.0%
19.8%	54.5	54.4	0.0	0.0%
21.0%	54.5	54.2	-0.2	-0.4%
22.2%	54.4	54.1	-0.4	-0.7%
23.5%	54.1	54.0	-0.1	-0.2%
24.7%	54.1	54.0	-0.1	-0.1%
25.9%	54.0	53.8	-0.2	-0.3%
27.2%	54.0	53.8	-0.2	-0.3%
28.4%	53.9	53.8	-0.1	-0.2%
29.6%	53.8	53.7	-0.2	-0.3%
30.9%	53.7	53.6	-0.1	-0.1%
32.1%	53.4	53.5	0.1	0.2%
33.3%	53.3	53.4	0.0	0.1%
34.6%	53.3	53.3	0.0	0.0%
35.8%	53.2	53.3	0.1	0.3%
37.0%	53.0	53.1	0.1	0.2%
38.3%	53.0	53.0	0.0	0.1%
39.5%	52.9	53.0	0.0	0.1%
40.7%	52.9	52.8	-0.2	-0.3%
42.0%	52.9	52.8	-0.1	-0.2%
43.2%	52.8	52.7	-0.2	-0.3%
44.4%	52.8	52.7	-0.1	-0.3%
45.7%	52.8	52.6	-0.2	-0.4%
46.9%	52.8	52.6	-0.2	-0.3%
48.1%	52.6	52.6	0.0	0.0%
49.4%	52.5	52.5	0.0	-0.1%
50.6%	52.5	52.4	-0.1	-0.1%
51.9%	52.4	52.3	-0.1	-0.2%
53.1%	52.3	52.3	-0.1	-0.1%
54.3%	52.3	52.2	-0.1	-0.2%
55.6%	52.2	52.1	-0.2	-0.3%
56.8%	52.2	52.0	-0.2	-0.3%
58.0%	52.2	51.9	-0.3	-0.6%
59.3%	51.9	51.9	-0.1	-0.1%
60.5%	51.8	51.8	0.0	0.0%
61.7%	51.8	51.8	0.0	0.0%
63.0%	51.8	51.6	-0.2	-0.3%
64.2%	51.7	51.6	-0.1	-0.2%
65.4%	51.7	51.6	-0.1	-0.2%
66.7%	51.6	51.5	-0.1	-0.2%
67.9%	51.6	51.5	-0.2	-0.3%
69.1%	51.6	51.4	-0.2	-0.4%
70.4%	51.6	51.3	-0.2	-0.5%
71.6%	51.5	51.3	-0.2	-0.4%
72.8%	51.5	51.3	-0.2	-0.3%
74.1%	51.3	51.2	0.0	0.0%
75.3%	51.2	51.2	0.0	0.0%
76.5%	51.2	51.2	-0.1	-0.1%
77.8%	51.2	51.1	-0.1	-0.1%
79.0%	51.2	51.1	-0.1	-0.2%
80.2%	51.2	51.0	-0.1	-0.3%
81.5%	51.1	51.0	-0.1	-0.2%
82.7%	51.1	51.0	-0.1	-0.1%
84.0%	51.1	51.0	-0.1	-0.1%
85.2%	51.0	50.9	-0.1	-0.3%
86.4%	51.0	50.8	-0.2	-0.3%
87.7%	50.9	50.7	-0.2	-0.4%
88.9%	50.9	50.7	-0.2	-0.4%
90.1%	50.8	50.7	-0.1	-0.2%
91.4%	50.8	50.7	-0.1	-0.2%
92.6%	50.7	50.7	0.0	0.0%
93.8%	50.6	50.6	-0.1	-0.1%
95.1%	50.6	50.5	-0.1	-0.2%
96.3%	50.5	50.4	0.0	-0.1%
97.5%	50.5	50.3	-0.2	-0.3%
98.8%	50.5	50.3	-0.2	-0.3%
100.0%	50.5	50.3	-0.2	-0.3%

Table SQ13-1b

Clear Creek below Whiskeytown, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	60.5	60.1	-0.4	-0.7%
1.2%	55.2	59.1	3.9	7.1%
2.5%	54.8	55.7	0.9	1.7%
3.7%	54.6	54.6	0.0	-0.1%
4.9%	54.6	54.5	-0.1	-0.2%
6.2%	54.0	54.3	0.3	0.5%
7.4%	54.0	53.9	-0.1	-0.2%
8.6%	53.9	53.9	0.0	-0.1%
9.9%	53.9	53.9	0.0	0.0%
11.1%	53.7	53.8	0.1	0.2%
12.3%	53.6	53.8	0.1	0.3%
13.6%	53.6	53.7	0.1	0.3%
14.8%	53.5	53.7	0.2	0.4%
16.0%	53.4	53.7	0.2	0.4%
17.3%	53.4	53.5	0.1	0.2%
18.5%	53.4	53.4	0.0	0.1%
19.8%	53.3	53.4	0.1	0.2%
21.0%	53.3	53.4	0.1	0.2%
22.2%	53.2	53.3	0.1	0.2%
23.5%	53.2	53.3	0.1	0.2%
24.7%	53.1	53.2	0.1	0.2%
25.9%	53.0	53.1	0.1	0.2%
27.2%	53.0	53.1	0.1	0.2%
28.4%	53.0	53.1	0.1	0.2%
29.6%	52.9	52.9	0.0	0.1%
30.9%	52.9	52.8	0.0	0.0%
32.1%	52.7	52.8	0.1	0.2%
33.3%	52.7	52.8	0.1	0.2%
34.6%	52.6	52.8	0.1	0.3%
35.8%	52.6	52.7	0.2	0.3%
37.0%	52.6	52.7	0.1	0.2%
38.3%	52.4	52.5	0.1	0.2%
39.5%	52.3	52.5	0.2	0.4%
40.7%	52.3	52.5	0.2	0.4%
42.0%	52.2	52.4	0.1	0.3%
43.2%	52.2	52.3	0.1	0.3%
44.4%	52.1	52.2	0.1	0.2%
45.7%	52.1	52.2	0.1	0.2%
46.9%	52.0	52.2	0.1	0.2%
48.1%	52.0	52.1	0.1	0.1%
49.4%	52.0	52.1	0.0	0.1%
50.6%	52.0	52.0	0.1	0.1%
51.9%	52.0	52.0	0.0	0.0%
53.1%	51.9	51.9	0.0	0.0%
54.3%	51.9	51.9	0.0	0.0%
55.6%	51.8	51.8	0.0	-0.1%
56.8%	51.7	51.8	0.1	0.2%
58.0%	51.7	51.7	0.0	0.0%
59.3%	51.6	51.7	0.0	0.1%
60.5%	51.6	51.6	0.0	0.0%
61.7%	51.5	51.6	0.1	0.1%
63.0%	51.5	51.5	0.1	0.2%
64.2%	51.4	51.5	0.1	0.1%
65.4%	51.4	51.5	0.0	0.1%
66.7%	51.4	51.4	0.0	0.0%
67.9%	51.4	51.3	-0.1	-0.3%
69.1%	51.4	51.3	-0.1	-0.2%
70.4%	51.3	51.2	-0.1	-0.3%
71.6%	51.2	51.1	-0.2	-0.3%
72.8%	51.2	51.1	-0.1	-0.2%
74.1%	51.1	51.1	-0.1	-0.2%
75.3%	51.1	51.0	-0.1	-0.2%
76.5%	51.1	51.0	-0.1	-0.3%
77.8%	51.1	51.0	-0.1	-0.3%
79.0%	51.1	50.8	-0.2	-0.4%
80.2%	51.1	50.8	-0.3	-0.5%
81.5%	51.1	50.7	-0.4	-0.8%
82.7%	51.0	50.6	-0.4	-0.7%
84.0%	50.9	50.6	-0.3	-0.5%
85.2%	50.8	50.6	-0.2	-0.4%
86.4%	50.8	50.6	-0.2	-0.4%
87.7%	50.6	50.5	0.0	-0.1%
88.9%	50.6	50.4	-0.1	-0.3%
90.1%	50.5	50.4	0.0	0.0%
91.4%	50.4	50.4	0.0	-0.1%
92.6%	50.4	50.4	0.0	0.0%
93.8%	50.4	50.3	-0.1	-0.1%
95.1%	50.3	50.3	-0.1	-0.1%
96.3%	50.3	50.1	-0.2	-0.3%
97.5%	50.2	49.9	-0.2	-0.4%
98.8%	50.0	49.9	-0.1	-0.3%
100.0%	49.7	49.5	-0.2	-0.4%

July to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	62.1	62.3	0.1	0.2%
1.2%	56.4	61.7	5.3	9.3%
2.5%	55.7	55.5	-0.3	-0.5%
3.7%	55.4	55.4	0.0	0.0%
4.9%	55.3	55.0	-0.3	-0.6%
6.2%	54.7	54.6	-0.1	-0.2%
7.4%	54.6	54.6	-0.1	-0.1%
8.6%	54.5	54.5	-0.1	-0.1%
9.9%	54.4	54.4	0.0	-0.1%
11.1%	54.2	54.4	0.1	0.3%
12.3%	54.1	54.3	0.2	0.4%
13.6%	54.1	54.3	0.2	0.4%
14.8%	54.1	54.3	0.2	0.4%
16.0%	54.1	54.2	0.2	0.3%
17.3%	54.0	54.2	0.2	0.5%
18.5%	53.9	54.2	0.2	0.4%
19.8%	53.9	54.1	0.2	0.4%
21.0%	53.9	54.1	0.2	0.3%
22.2%	53.9	54.1	0.2	0.4%
23.5%	53.7	53.8	0.0	0.1%
24.7%	53.7	53.7	0.0	0.0%
25.9%	53.7	53.7	0.0	0.0%
27.2%	53.6	53.6	0.0	0.1%
28.4%	53.6	53.6	0.0	0.0%
29.6%	53.6	53.5	-0.1	-0.3%
30.9%	53.5	53.4	-0.1	-0.1%
32.1%	53.2	53.3	0.1	0.2%
33.3%	53.2	53.3	0.1	0.2%
34.6%	53.2	53.3	0.1	0.3%
35.8%	53.2	53.2	0.1	0.1%
37.0%	53.0	53.2	0.1	0.3%
38.3%	52.9	53.1	0.2	0.5%
39.5%	52.9	53.0	0.1	0.2%
40.7%	52.8	53.0	0.2	0.4%
42.0%	52.7	52.9	0.2	0.4%
43.2%	52.7	52.8	0.1	0.3%
44.4%	52.6	52.8	0.2	0.3%
45.7%	52.6	52.7	0.2	0.3%
46.9%	52.6	52.7	0.1	0.3%
48.1%	52.5	52.5	0.0	0.0%
49.4%	52.5	52.5	0.0	0.1%
50.6%	52.5	52.5	0.1	0.1%
51.9%	52.5	52.5	0.0	0.1%
53.1%	52.4	52.5	0.0	0.1%
54.3%	52.4	52.3	0.0	0.0%
55.6%	52.3	52.3	0.0	0.0%
56.8%	52.3	52.3	0.0	0.0%
58.0%	52.3	52.3	0.0	0.0%
59.3%	52.3	52.3	0.0	0.0%
60.5%	52.2	52.1	-0.1	-0.2%
61.7%	52.0	52.1	0.1	0.1%
63.0%	52.0	52.0	0.0	0.0%
64.2%	52.0	51.9	-0.1	-0.3%
65.4%	51.9	51.9	0.0	0.0%
66.7%	51.9	51.8	-0.1	-0.1%
67.9%	51.9	51.8	-0.1	-0.1%
69.1%	51.8	51.7	-0.1	-0.3%
70.4%	51.8	51.6	-0.2	-0.4%
71.6%	51.8	51.5	-0.2	-0.4%
72.8%	51.7	51.5	-0.1	-0.2%
74.1%	51.6	51.5	-0.1	-0.2%
75.3%	51.6	51.5	-0.1	-0.3%
76.5%	51.6	51.3	-0.3	-0.5%
77.8%	51.6	51.3	-0.3	-0.5%
79.0%	51.5	51.3	-0.3	-0.5%
80.2%	51.5	51.2	-0.3	-0.6%
81.5%	51.4	51.2	-0.2	-0.4%
82.7%	51.3	51.2	-0.1	-0.3%
84.0%	51.3	51.1	-0.2	-0.3%
85.2%	51.3	51.1	-0.1	-0.3%
86.4%	51.2	51.1	-0.1	-0.2%
87.7%	51.2	51.0	-0.1	-0.3%
88.9%	51.1	51.0	-0.1	-0.2%
90.1%	51.0	51.0	0.0	0.0%
91.4%	51.0	50.9	-0.1	-0.1%
92.6%	51.0	50.9	0.0	-0.1%
93.8%	50.9	50.9	0.0	-0.1%
95.1%	50.9	50.8	-0.1	-0.2%
96.3%	50.9	50.6	-0.2	-0.5%
97.5%	50.7	50.5	-0.2	-0.4%
98.8%	50.7	50.4	-0.3	-0.5%
100.0%	50.3	50.1	-0.2	-0.5%

August to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	63.9	63.4	-0.5	-0.7%
1.2%	58.3	56.2	-2.1	-3.5%
2.5%	57.1	55.8	-1.2	-2.1%
3.7%	56.2	55.8	-0.4	-0.7%
4.9%	55.9	55.3	-0.5	-0.9%
6.2%	55.2	55.1	-0.1	-0.2%
7.4%	55.1	55.0	-0.1	-0.1%
8.6%	55.1	54.8	-0.2	-0.4%
9.9%	54.7	54.7	0.0	0.0%
11.1%	54.7	54.7	0.1	0.1%
12.3%	54.5	54.7	0.1	0.2%
13.6%	54.5	54.5	0.0	0.0%
14.8%	54.5	54.5	0.0	0.0%
16.0%	54.5	54.5	0.0	0.0%
17.3%	54.5	54.5	0.0	0.0%
18.5%	54.3	54.4	0.1	0.1%
19.8%	54.3	54.3	0.0	0.1%
21.0%	54.1	54.2	0.1	0.2%
22.2%	54.1	54.1	0.0	0.0%
23.5%	54.1	54.1	0.0	0.0%
24.7%	54.0	53.9	-0.1	-0.1%
25.9%	53.9	53.9	0.0	0.0%
27.2%	53.9	53.8	0.0	-0.1%
28.4%	53.9	53.7	-0.1	-0.3%
29.6%	53.8	53.7	-0.1	-0.2%
30.9%	53.7	53.7	0.0	0.0%
32.1%	53.5	53.6	0.0	0.1%
33.3%	53.3	53.5	0.2	0.3%
34.6%	53.2	53.2	0.0	-0.1%
35.8%	53.2	53.2	0.0	-0.1%
37.0%	53.2	53.2	0.0	-0.1%
38.3%	53.1	53.1	0.1	0.1%
39.5%	53.1	53.0	0.0	-0.1%
40.7%	53.0	53.0	-0.1	-0.1%
42.0%	53.0	52.9	0.0	-0.1%
43.2%	53.0	52.8	-0.2	-0.3%
44.4%	52.8	52.8	0.0	0.0%
45.7%	52.8	52.8	0.0	0.0%
46.9%	52.8	52.8	0.0	0.0%
48.1%	52.7	52.7	0.0	0.0%
49.4%	52.7	52.7	0.0	0.1%
50.6%	52.7	52.7	0.0	0.0%
51.9%	52.6	52.6	0.0	-0.1%
53.1%	52.6	52.5	0.0	-0.1%
54.3%	52.6	52.5	-0.1	-0.2%
55.6%	52.5	52.4	0.0	0.0%
56.8%	52.4	52.3	-0.1	-0.2%
58.0%	52.4	52.2	-0.1	-0.3%
59.3%	52.3	52.1	-0.2	-0.4%
60.5%	52.2	52.1	-0.1	-0.2%
61.7%	52.2	52.0	-0.2	-0.4%
63.0%	52.1	52.0	-0.1	-0.3%
64.2%	52.0	51.9	-0.1	-0.2%
65.4%	51.9	51.9	-0.1	-0.2%
66.7%	51.9	51.7	-0.2	-0.4%
67.9%	51.9	51.7	-0.2	-0.4%
69.1%	51.9	51.6	-0.3	-0.5%
70.4%	51.9	51.6	-0.3	-0.5%
71.6%	51.8	51.6	-0.3	-0.5%
72.8%	51.7	51.5	-0.2	-0.4%
74.1%	51.6	51.5	-0.1	-0.2%
75.3%	51.6	51.5	-0.1	-0.2%
76.5%	51.6	51.4	-0.2	-0.3%
77.8%	51.6	51.4	-0.2	-0.4%
79.0%	51.6	51.4	-0.2	-0.4%
80.2%	51.4	51.3	-0.1	-0.1%
81.5%	51.4	51.3	-0.1	-0.2%
82.7%	51.4	51.2	-0.1	-0.2%
84.0%	51.4	51.2	-0.1	-0.3%
85.2%	51.3	51.2	-0.1	-0.2%
86.4%	51.3	51.1	-0.1	-0.3%
87.7%	51.3	51.1	-0.1	-0.2%
88.9%	51.2	51.1	-0.1	-0.2%
90.1%	51.2	51.1	-0.1	-0.3%
91.4%	51.2	51.1	-0.1	-0.2%
92.6%	51.2	51.1	-0.1	-0.1%
93.8%	51.1	50.9	-0.2	-0.5%
95.1%	51.0	50.9	-0.1	-0.3%
96.3%	50.9	50.8	-0.2	-0.3%
97.5%	50.9	50.7	-0.2	-0.4%
98.8%	50.8	50.5	-0.4	-0.7%
100.0%	50.5	50.3	-0.2	-0.4%

Figure SQ14-1b
Clear Creek at Igo, Monthly Temperature
Probability of Exceedance

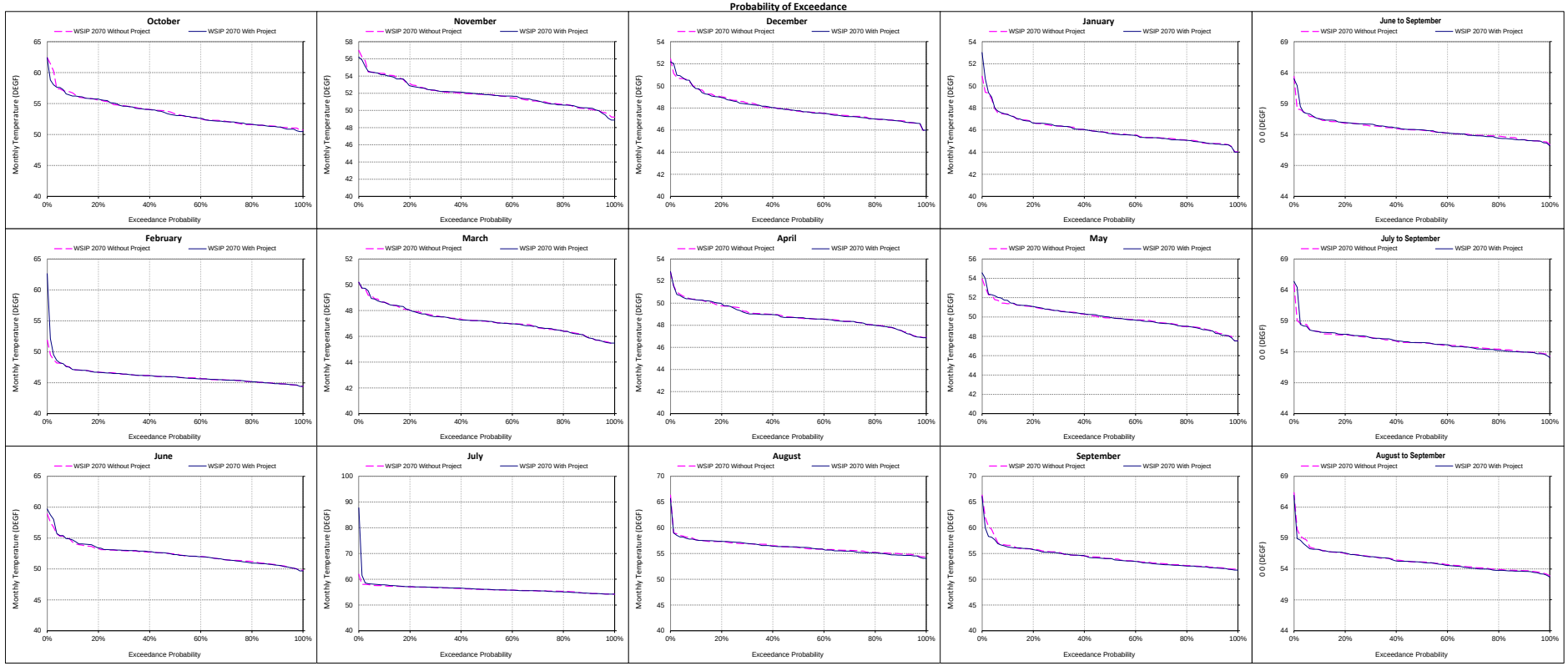


Table SQ14-1b

Clear Creek at Igo, Monthly Temperature

Probability of Exceedance

October				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	62.4	62.4	0.0	0.0%
1.2%	61.4	58.8	-2.6	-4.2%
2.5%	60.2	58.0	-2.2	-3.7%
3.7%	57.4	57.7	0.2	0.4%
4.9%	57.4	57.6	0.2	0.4%
6.2%	57.1	57.2	0.1	0.2%
7.4%	57.0	56.6	-0.4	-0.7%
8.6%	56.9	56.4	-0.5	-0.9%
9.9%	56.7	56.2	-0.5	-0.9%
11.1%	56.4	56.2	-0.2	-0.3%
12.3%	56.0	56.1	0.1	0.2%
13.6%	56.0	56.1	0.1	0.2%
14.8%	55.9	55.9	0.0	-0.1%
16.0%	55.8	55.8	0.0	0.0%
17.3%	55.8	55.8	0.0	-0.1%
18.5%	55.7	55.7	0.0	0.0%
19.8%	55.6	55.7	0.2	0.3%
21.0%	55.5	55.6	0.1	0.2%
22.2%	55.4	55.5	0.1	0.3%
23.5%	55.3	55.5	0.2	0.3%
24.7%	55.2	55.1	-0.1	-0.1%
25.9%	54.8	55.1	0.2	0.5%
27.2%	54.8	55.0	0.2	0.3%
28.4%	54.7	54.7	0.0	0.0%
29.6%	54.7	54.6	-0.1	-0.2%
30.9%	54.6	54.6	0.0	-0.1%
32.1%	54.5	54.5	0.0	-0.1%
33.3%	54.5	54.5	0.0	0.0%
34.6%	54.4	54.2	-0.2	-0.3%
35.8%	54.2	54.2	0.0	-0.1%
37.0%	54.2	54.1	-0.1	-0.1%
38.3%	54.1	54.1	0.0	-0.1%
39.5%	54.1	54.1	0.0	0.0%
40.7%	54.0	54.0	0.0	-0.1%
42.0%	53.9	54.0	0.0	0.0%
43.2%	53.9	53.8	-0.1	-0.2%
44.4%	53.9	53.7	-0.1	-0.2%
45.7%	53.9	53.6	-0.3	-0.5%
46.9%	53.7	53.4	-0.4	-0.7%
48.1%	53.6	53.2	-0.4	-0.8%
49.4%	53.4	53.1	-0.3	-0.6%
50.6%	53.3	53.1	-0.2	-0.3%
51.9%	53.2	53.1	-0.1	-0.2%
53.1%	53.0	53.1	0.0	0.1%
54.3%	52.9	52.9	0.1	0.1%
55.6%	52.8	52.9	0.1	0.2%
56.8%	52.8	52.8	0.0	0.0%
58.0%	52.7	52.8	0.1	0.2%
59.3%	52.6	52.6	0.0	0.0%
60.5%	52.5	52.6	0.2	0.3%
61.7%	52.4	52.4	0.0	0.0%
63.0%	52.4	52.3	-0.1	-0.1%
64.2%	52.3	52.3	-0.1	-0.1%
65.4%	52.3	52.2	-0.1	-0.2%
66.7%	52.3	52.2	-0.1	-0.2%
67.9%	52.2	52.2	-0.1	-0.2%
69.1%	52.2	52.1	-0.1	-0.2%
70.4%	52.1	52.1	0.0	0.0%
71.6%	52.0	52.0	0.0	0.1%
72.8%	51.9	52.0	0.1	0.1%
74.1%	51.8	51.9	0.1	0.2%
75.3%	51.8	51.9	0.1	0.2%
76.5%	51.6	51.9	0.2	0.5%
77.8%	51.6	51.7	0.1	0.2%
79.0%	51.6	51.7	0.1	0.2%
80.2%	51.6	51.6	0.1	0.1%
81.5%	51.5	51.6	0.0	0.0%
82.7%	51.5	51.5	0.0	0.0%
84.0%	51.5	51.5	0.0	0.0%
85.2%	51.5	51.4	0.0	0.0%
86.4%	51.4	51.4	0.0	-0.1%
87.7%	51.4	51.3	-0.1	-0.2%
88.9%	51.3	51.3	0.0	-0.1%
90.1%	51.3	51.2	-0.1	-0.1%
91.4%	51.1	51.2	0.1	0.1%
92.6%	51.1	51.0	-0.2	-0.3%
93.8%	51.1	50.9	-0.2	-0.5%
95.1%	51.1	50.9	-0.2	-0.3%
96.3%	51.0	50.9	-0.2	-0.4%
97.5%	51.0	50.6	-0.4	-0.8%
98.8%	50.7	50.5	-0.3	-0.5%
100.0%	50.7	50.5	0.0	-0.5%

November				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.0	56.2	-0.8	-1.4%
1.2%	56.2	55.9	-0.4	-0.7%
2.5%	55.8	55.1	-0.7	-1.2%
3.7%	54.5	54.6	0.1	0.2%
4.9%	54.5	54.4	0.0	-0.1%
6.2%	54.4	54.4	0.0	0.0%
7.4%	54.3	54.3	0.0	0.0%
8.6%	54.3	54.2	-0.2	-0.3%
9.9%	54.3	54.2	-0.1	-0.3%
11.1%	54.1	54.0	-0.1	-0.1%
12.3%	54.1	54.0	-0.1	-0.2%
13.6%	54.1	53.9	-0.2	-0.3%
14.8%	53.9	53.7	-0.2	-0.4%
16.0%	53.8	53.7	-0.1	-0.2%
17.3%	53.6	53.7	0.0	0.1%
18.5%	53.2	53.4	0.1	0.2%
19.8%	53.2	52.9	-0.3	-0.5%
21.0%	53.0	52.8	-0.2	-0.3%
22.2%	52.9	52.7	-0.2	-0.3%
23.5%	52.7	52.7	0.0	0.0%
24.7%	52.7	52.6	-0.1	-0.1%
25.9%	52.6	52.6	0.0	0.1%
27.2%	52.4	52.4	0.1	0.1%
28.4%	52.4	52.4	0.0	0.0%
29.6%	52.3	52.4	0.0	0.1%
30.9%	52.3	52.3	0.0	0.0%
32.1%	52.3	52.2	0.0	-0.1%
33.3%	52.1	52.2	0.1	0.1%
34.6%	52.1	52.2	0.1	0.2%
35.8%	52.1	52.2	0.1	0.2%
37.0%	52.1	52.2	0.1	0.2%
38.3%	52.1	52.2	0.1	0.2%
39.5%	52.0	52.1	0.2	0.3%
40.7%	52.0	52.1	0.1	0.2%
42.0%	52.0	52.1	0.1	0.2%
43.2%	51.9	52.0	0.1	0.2%
44.4%	51.9	52.0	0.0	0.1%
45.7%	51.9	52.0	0.0	0.1%
46.9%	51.9	51.9	0.1	0.1%
48.1%	51.9	51.9	0.1	0.1%
49.4%	51.8	51.8	0.0	0.0%
50.6%	51.8	51.8	0.0	0.0%
51.9%	51.8	51.8	0.0	-0.1%
53.1%	51.8	51.7	0.0	-0.1%
54.3%	51.7	51.7	0.0	0.1%
55.6%	51.7	51.7	0.0	0.0%
56.8%	51.6	51.7	0.0	0.1%
58.0%	51.6	51.7	0.1	0.1%
59.3%	51.5	51.7	0.2	0.4%
60.5%	51.4	51.6	0.2	0.4%
61.7%	51.4	51.6	0.2	0.5%
63.0%	51.4	51.5	0.1	0.2%
64.2%	51.3	51.4	0.1	0.2%
65.4%	51.2	51.4	0.1	0.3%
66.7%	51.2	51.3	0.1	0.3%
67.9%	51.1	51.2	0.1	0.2%
69.1%	51.1	51.2	0.1	0.1%
70.4%	51.0	51.1	0.0	0.1%
71.6%	51.0	51.0	-0.1	-0.1%
72.8%	51.0	50.9	-0.1	-0.2%
74.1%	50.9	50.8	-0.1	-0.1%
75.3%	50.8	50.8	-0.1	-0.1%
76.5%	50.8	50.7	-0.1	-0.1%
77.8%	50.8	50.7	-0.1	-0.2%
79.0%	50.7	50.6	-0.1	-0.1%
80.2%	50.7	50.6	-0.1	-0.1%
81.5%	50.7	50.6	-0.1	-0.1%
82.7%	50.6	50.6	0.0	0.0%
84.0%	50.4	50.6	0.1	0.2%
85.2%	50.3	50.4	0.1	0.2%
86.4%	50.3	50.3	0.1	0.1%
87.7%	50.3	50.3	0.1	0.1%
88.9%	50.2	50.3	0.1	0.2%
90.1%	50.1	50.3	0.1	0.3%
91.4%	50.1	50.2	0.1	0.3%
92.6%	50.0	50.1	0.0	0.1%
93.8%	50.0	50.0	0.0	0.0%
95.1%	49.8	49.7	-0.1	-0.2%
96.3%	49.7	49.5	-0.3	-0.5%
97.5%	49.6	49.1	-0.5	-0.9%
98.8%	49.2	48.9	-0.4	-0.7%
100.0%	49.2	48.9	-0.4	-0.7%

December				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.5	52.2	-0.3	-0.6%
1.2%	51.1	52.0	0.9	1.8%
2.5%	50.8	51.0	0.2	0.4%
3.7%	50.7	50.9	0.3	0.5%
4.9%	50.7	50.7	0.1	0.1%
6.2%	50.6	50.5	-0.1	-0.1%
7.4%	50.4	50.5	0.1	0.3%
8.6%	50.1	50.0	-0.1	-0.1%
9.9%	49.8	49.8	0.0	-0.1%
11.1%	49.7	49.7	0.1	0.2%
12.3%	49.6	49.4	-0.2	-0.5%
13.6%	49.3	49.3	0.0	-0.1%
14.8%	49.3	49.2	0.0	-0.1%
16.0%	49.3	49.1	-0.2	-0.3%
17.3%	49.1	49.0	-0.1	-0.1%
18.5%	49.1	49.0	-0.1	-0.2%
19.8%	49.0	49.0	0.0	-0.1%
21.0%	49.0	48.9	-0.1	-0.2%
22.2%	48.9	48.8	-0.1	-0.3%
23.5%	48.7	48.7	-0.1	-0.1%
24.7%	48.7	48.6	-0.1	-0.2%
25.9%	48.7	48.6	-0.1	-0.2%
27.2%	48.6	48.4	-0.2	-0.3%
28.4%	48.6	48.4	-0.2	-0.4%
29.6%	48.5	48.4	-0.1	-0.2%
30.9%	48.4	48.3	-0.1	-0.2%
32.1%	48.4	48.3	-0.2	-0.3%
33.3%	48.3	48.3	-0.1	-0.2%
34.6%	48.2	48.3	0.1	0.2%
35.8%	48.1	48.2	0.0	0.1%
37.0%	48.1	48.2	0.1	0.2%
38.3%	48.0	48.1	0.1	0.2%
39.5%	48.0	48.0	0.0	0.0%
40.7%	48.0	48.0	0.0	0.0%
42.0%	48.0	48.0	0.0	0.0%
43.2%	47.9	47.9	0.0	0.0%
44.4%	47.9	47.9	0.0	-0.1%
45.7%	47.9	47.9	0.0	0.0%
46.9%	47.8	47.8	0.0	0.0%
48.1%	47.7	47.8	0.1	0.1%
49.4%	47.7	47.8	0.0	0.0%
50.6%	47.7	47.7	0.1	0.1%
51.9%	47.7	47.7	0.0	0.0%
53.1%	47.6	47.7	0.0	0.1%
54.3%	47.6	47.6	0.0	0.0%
55.6%	47.6	47.6	0.0	-0.1%
56.8%	47.6	47.5	0.0	-0.1%
58.0%	47.6	47.5	0.0	-0.1%
59.3%	47.5	47.5	0.0	-0.1%
60.5%	47.5	47.5	0.0	0.0%
61.7%	47.5	47.5	0.0	-0.1%
63.0%	47.4	47.4	-0.1	-0.1%
64.2%	47.4	47.3	-0.1	-0.2%
65.4%	47.4	47.3	-0.1	-0.1%
66.7%	47.3	47.3	0.0	-0.1%
67.9%	47.3	47.2	-0.1	-0.2%
69.1%	47.3	47.2	-0.1	-0.2%
70.4%	47.3	47.2	0.0	-0.1%
71.6%	47.2	47.2	0.0	0.0%
72.8%	47.2	47.2	0.0	-0.1%
74.1%	47.2	47.2	-0.1	-0.2%
75.3%	47.2	47.1	-0.1	-0.2%
76.5%	47.2	47.1	-0.1	-0.1%
77.8%	47.0	47.0	0.0	0.0%
79.0%	47.0	47.0	0.0	0.0%
80.2%	47.0	47.0	0.0	0.0%
81.5%	47.0	47.0	0.0	0.0%
82.7%	47.0	47.0	0.0	0.0%
84.0%	46.9	46.9	0.0	0.0%
85.2%	46.9	46.9	0.0	0.0%
86.4%	46.9	46.9	0.0	0.0%
87.7%	46.9	46.9	0.0	-0.1%
88.9%	46.9	46.8	0.0	0.0%
90.1%	46.8	46.8	0.0	-0.1%
91.4%	46.8	46.7	-0.1	-0.2%
92.6%	46.7	46.7	0.0	0.0%
93.8%	46.7	46.7	0.0	0.0%
95.1%	46.6	46.7	0.0	0.1%
96.3%	46.6	46.6	0.0	0.0%
97.5%	46.5	46.6	0.1	0.2%
98.8%	46.0	46.0	0.0	0.0%
100.0%	46.0	46.0	0.0	0.0%

January				
Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	50.9	53.0	2.2	4.2%
1.2%	49.4	50.6	1.2	2.5%
2.5%	49.4	49.4	0.1	0.1%
3.7%	48.8	49.0	0.2	0.4%
4.9%	47.9	48.0	0.0	0.0%
6.2%	47.5	47.7	0.2	0.4%
7.4%	47.5	47.6	0.1	0.2%
8.6%	47.4	47.5	0.0	0.1%
9.9%	47.4	47.4	0.0	0.0%
11.1%	47.3	47.3	0.0	0.0%
12.3%	47.2	47.2	0.0	-0.1%
13.6%	47.0	47.0	0.0	0.1%
14.8%	46.9	47.0	0.1	0.1%
16.0%	46.9	46.9	0.0	-0.1%
17.3%	46.9	46.8	-0.1	-0.2%
18.5%	46.8	46.8	0.0	-0.1%
19.8%	46.7	46.6	0.0	-0.1%
21.0%	46.6	46.6	0.0	0.0%
22.2%	46.6	46.6	0.0	0.0%
23.5%	46.6	46.6	0.0	0.1%
24.7%	46.5	46.6	0.1	0.2%
25.9%	46.5	46.5	0.1	0.1%
27.2%	46.4	46.5	0.1	0.2%
28.4%	46.4	46.4	0.0	0.0%
29.6%	46.4	46.4	0.0	0.0%
30.9%	46.3	46.4	0.0	0.1%
32.1%	46.3	46.3	0.0	0.0%
33.3%	46.3	46.3	0.0	0.0%
34.6%	46.3	46.3	0.0	0.0%
35.8%	46.3	46.1	-0.2	-0.3%
37.0%	46.1	46.1	0.0	0.1%
38.3%	46.1	46.1	0.0	0.0%
39.5%	46.1	46.1	0.0	0.0%
40.7%	46.0	46.0	0.0	0.0%
42.0%	46.0	46.0	0.0	0.0%
43.2%	45.9	45.9	0.0	0.0%
44.4%	45.9	45.9	0.0	0.0%
45.7%	45.9	45.9	0.0	0.0%
46.9%	45.8	45.8	0.0	0.0%
48.1%	45.8	45.8	0.0	0.0%
49.4%	45.8	45.7	-0.1	-0.2%
50.6%	45.7	45.7	-0.1	-0.1%
51.9%	45.7	45.6	-0.1	-0.1%
53.1%	45.6	45.6	0.0	0.0%
54.3%	45.6	45.6	-0.1	-0.1%
55.6%	45.6	45.6	-0.1	-0.1%
56.8%	45.6	45.6	0.0	0.0%
58.0%	45.6	45.5	0.0	0.0%
59.3%	45.6	45.5	0.0	0.0%
60.5%	45.5	45.5	0.0	-0.1%
61.7%	45.4	45.3	-0.1	-0.1%
63.0%	45.4	45.3	-0.1	-0.2%
64.2%	45.3	45.3	0.0	0.0%
65.4%	45.3	45.3	0.0	0.0%
66.7%	45.3	45.3	0.0	0.0%
67.9%	45.3	45.3	0.0	0.0%
69.1%	45.3	45.3	0.0	-0.1%
70.4%	45.3	45.2	0.0	-0.1%
71.6%	45.3	45.2	0.0	-0.1%
72.8%	45.3	45.2	-0.1	-0.2%
74.1%	45.2	45.1	-0.1	-0.2%
75.3%	45.2	45.1	-0.1	-0.2%
76.5%	45.2	45.1	0.0	-0.1%
77.8%	45.1	45.1	0.0	-0.1%
79.0%	45.1	45.1	0.0	0.0%
80.2%	45.1	45.1	0.0	0.0%
81.5%	45.1	45.0	0.0	-0.1%
82.7%	45.1	45.0	-0.1	-0.2%
84.0%	45.0	45.0	-0.1	-0.1%
85.2%	44.9	44.9	0.0	0.1%
86.4%	44.8	44.9	0.1	0.1%
87.7%	44.8	44.8	0.0	0.0%
88.9%	44.8	44.8	0.0	0.0%
90.1%	44.8	44.8	0.0	0.0%
91.4%	44.8	44.7	0.0	-0.1%
92.6%	44.8	44.7	0.0	-0.1%
93.8%	44.8	44.7	-0.1	-0.2%
95.1%	44.7	44.7	0.0	-0.1%
96.3%	44.7	44.7	0.0	0.0%
97.5%	44.5	44.5	0.0	-0.1%
98.8%	44.0	44.0	0.0	0.0%
100.0%	44.0	44.0	0.0	0.0%

Table SQ14-1b

Clear Creek at Igo, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	51.9	62.6	10.7	20.7%
1.2%	49.5	52.1	2.7	5.4%
2.5%	48.7	49.5	0.8	1.6%
3.7%	48.2	48.6	0.4	0.9%
4.9%	48.2	48.2	0.1	0.1%
6.2%	48.1	48.1	0.0	0.0%
7.4%	47.7	47.6	-0.1	-0.1%
8.6%	47.5	47.5	0.0	0.0%
9.9%	47.1	47.2	0.0	0.1%
11.1%	47.1	47.1	0.1	0.1%
12.3%	47.1	47.1	0.0	0.0%
13.6%	47.0	47.0	0.0	0.0%
14.8%	47.0	47.0	0.0	0.0%
16.0%	46.9	46.9	0.0	-0.1%
17.3%	46.8	46.8	0.0	-0.1%
18.5%	46.8	46.7	-0.1	-0.2%
19.8%	46.7	46.7	0.0	0.0%
21.0%	46.7	46.7	0.0	0.0%
22.2%	46.6	46.6	0.0	-0.1%
23.5%	46.6	46.6	-0.1	-0.1%
24.7%	46.6	46.6	0.0	-0.1%
25.9%	46.6	46.5	-0.1	-0.2%
27.2%	46.5	46.5	0.0	-0.1%
28.4%	46.4	46.5	0.0	0.1%
29.6%	46.4	46.4	0.0	0.1%
30.9%	46.4	46.4	0.0	0.1%
32.1%	46.3	46.3	0.0	-0.1%
33.3%	46.3	46.3	0.0	0.0%
34.6%	46.2	46.2	0.0	0.0%
35.8%	46.2	46.2	0.0	0.0%
37.0%	46.2	46.2	0.0	0.0%
38.3%	46.2	46.2	0.0	0.0%
39.5%	46.2	46.1	0.0	-0.1%
40.7%	46.1	46.1	0.0	0.1%
42.0%	46.1	46.1	0.0	0.0%
43.2%	46.0	46.0	0.0	0.0%
44.4%	46.0	46.0	0.0	0.0%
45.7%	46.0	46.0	0.0	0.0%
46.9%	46.0	46.0	0.0	0.0%
48.1%	46.0	46.0	0.0	0.0%
49.4%	45.9	46.0	0.1	0.1%
50.6%	45.9	45.9	0.0	0.1%
51.9%	45.9	45.8	0.0	-0.1%
53.1%	45.8	45.8	0.0	0.0%
54.3%	45.8	45.7	-0.1	-0.2%
55.6%	45.8	45.7	-0.1	-0.2%
56.8%	45.8	45.7	-0.1	-0.1%
58.0%	45.8	45.7	-0.1	-0.3%
59.3%	45.8	45.6	-0.1	-0.3%
60.5%	45.6	45.6	0.0	0.0%
61.7%	45.6	45.6	0.0	0.0%
63.0%	45.6	45.6	0.0	0.0%
64.2%	45.5	45.6	0.0	0.1%
65.4%	45.5	45.5	0.0	0.1%
66.7%	45.5	45.5	0.0	0.0%
67.9%	45.5	45.5	0.0	0.0%
69.1%	45.5	45.5	0.0	0.0%
70.4%	45.4	45.4	0.0	0.0%
71.6%	45.4	45.4	0.0	0.0%
72.8%	45.4	45.4	0.0	0.0%
74.1%	45.4	45.4	0.0	0.0%
75.3%	45.3	45.4	0.0	0.0%
76.5%	45.3	45.3	0.1	0.2%
77.8%	45.2	45.2	0.0	0.1%
79.0%	45.2	45.2	0.0	0.0%
80.2%	45.2	45.2	0.0	0.0%
81.5%	45.1	45.1	0.0	0.0%
82.7%	45.1	45.1	0.0	0.0%
84.0%	45.0	45.1	0.0	0.0%
85.2%	45.0	45.0	0.0	0.0%
86.4%	45.0	45.0	0.0	0.0%
87.7%	45.0	44.9	0.0	-0.1%
88.9%	44.9	44.9	0.0	0.0%
90.1%	44.9	44.9	0.0	0.0%
91.4%	44.8	44.8	0.0	-0.1%
92.6%	44.8	44.8	0.0	0.0%
93.8%	44.8	44.8	0.0	-0.1%
95.1%	44.7	44.7	-0.1	-0.2%
96.3%	44.6	44.7	0.0	0.1%
97.5%	44.6	44.6	0.0	0.0%
98.8%	44.4	44.4	0.0	0.0%
100.0%	44.4	44.4	0.0	0.0%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	50.2	50.2	0.0	0.0%
1.2%	49.7	49.7	0.0	0.0%
2.5%	49.7	49.7	0.0	0.0%
3.7%	49.2	49.5	0.4	0.7%
4.9%	49.2	48.9	-0.2	-0.5%
6.2%	48.9	48.9	0.0	-0.1%
7.4%	48.9	48.7	-0.1	-0.3%
8.6%	48.7	48.7	0.0	0.0%
9.9%	48.7	48.7	0.0	0.0%
11.1%	48.6	48.6	0.0	0.0%
12.3%	48.4	48.4	0.0	0.0%
13.6%	48.4	48.4	0.0	-0.1%
14.8%	48.4	48.4	0.0	0.1%
16.0%	48.2	48.3	0.1	0.2%
17.3%	48.1	48.3	0.2	0.4%
18.5%	48.1	48.1	0.0	0.1%
19.8%	48.1	48.0	0.0	0.0%
21.0%	47.9	47.9	0.0	0.0%
22.2%	47.9	47.9	0.0	-0.1%
23.5%	47.9	47.8	-0.1	-0.2%
24.7%	47.8	47.7	-0.1	-0.1%
25.9%	47.7	47.7	0.0	0.0%
27.2%	47.7	47.6	-0.1	-0.2%
28.4%	47.7	47.6	-0.1	-0.2%
29.6%	47.6	47.5	-0.1	-0.1%
30.9%	47.6	47.5	-0.1	-0.1%
32.1%	47.5	47.5	0.0	0.0%
33.3%	47.5	47.5	0.0	0.0%
34.6%	47.5	47.5	0.0	0.0%
35.8%	47.4	47.4	0.0	0.0%
37.0%	47.4	47.4	0.0	-0.1%
38.3%	47.4	47.3	-0.1	-0.1%
39.5%	47.4	47.3	-0.1	-0.2%
40.7%	47.3	47.3	0.0	0.0%
42.0%	47.3	47.3	0.0	0.0%
43.2%	47.2	47.2	0.0	0.0%
44.4%	47.2	47.2	0.0	0.0%
45.7%	47.2	47.2	0.0	0.0%
46.9%	47.2	47.2	0.0	0.0%
48.1%	47.2	47.2	0.0	0.1%
49.4%	47.2	47.2	0.0	0.0%
50.6%	47.2	47.2	0.0	0.0%
51.9%	47.1	47.2	0.0	0.1%
53.1%	47.1	47.1	0.0	0.1%
54.3%	47.1	47.0	0.0	-0.1%
55.6%	47.0	47.0	0.0	0.0%
56.8%	47.0	47.0	0.0	-0.1%
58.0%	47.0	47.0	0.0	0.0%
59.3%	47.0	47.0	0.0	0.0%
60.5%	47.0	47.0	0.0	0.0%
61.7%	47.0	46.9	0.0	-0.1%
63.0%	47.0	46.9	0.0	0.0%
64.2%	46.9	46.9	-0.1	-0.1%
65.4%	46.9	46.8	-0.1	-0.2%
66.7%	46.9	46.8	-0.1	-0.2%
67.9%	46.8	46.8	0.0	-0.1%
69.1%	46.7	46.8	0.1	0.2%
70.4%	46.7	46.7	0.0	0.1%
71.6%	46.6	46.7	0.0	0.1%
72.8%	46.6	46.6	0.0	0.1%
74.1%	46.5	46.6	0.1	0.2%
75.3%	46.5	46.6	0.0	0.1%
76.5%	46.5	46.5	0.0	0.0%
77.8%	46.5	46.5	0.0	0.0%
79.0%	46.5	46.4	0.0	0.0%
80.2%	46.4	46.4	0.0	0.0%
81.5%	46.4	46.4	0.0	0.0%
82.7%	46.3	46.3	0.0	-0.1%
84.0%	46.3	46.2	-0.1	-0.1%
85.2%	46.2	46.2	0.0	-0.1%
86.4%	46.2	46.2	0.0	-0.1%
87.7%	46.1	46.1	0.0	0.0%
88.9%	46.0	46.0	0.0	0.0%
90.1%	45.9	45.9	0.0	0.0%
91.4%	45.8	45.8	0.0	0.0%
92.6%	45.7	45.7	0.0	0.0%
93.8%	45.7	45.7	0.0	0.0%
95.1%	45.6	45.6	0.0	0.0%
96.3%	45.6	45.5	-0.1	-0.1%
97.5%	45.5	45.5	-0.1	-0.1%
98.8%	45.4	45.5	0.0	0.1%
100.0%	45.4	45.5	0.0	0.1%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.8	52.9	0.0	0.0%
1.2%	51.6	51.6	0.0	0.0%
2.5%	51.0	50.8	-0.2	-0.4%
3.7%	50.8	50.7	-0.1	-0.3%
4.9%	50.6	50.5	-0.1	-0.2%
6.2%	50.6	50.4	-0.2	-0.3%
7.4%	50.4	50.4	0.0	0.0%
8.6%	50.4	50.4	0.0	0.0%
9.9%	50.4	50.3	-0.1	-0.1%
11.1%	50.3	50.3	0.0	0.0%
12.3%	50.3	50.3	0.0	0.0%
13.6%	50.2	50.2	0.0	0.1%
14.8%	50.1	50.2	0.1	0.1%
16.0%	50.1	50.2	0.1	0.1%
17.3%	49.9	50.1	0.1	0.3%
18.5%	49.8	50.0	0.2	0.4%
19.8%	49.8	50.0	0.2	0.5%
21.0%	49.7	49.8	0.0	0.1%
22.2%	49.7	49.8	0.0	0.1%
23.5%	49.7	49.7	0.0	0.0%
24.7%	49.7	49.6	-0.1	-0.2%
25.9%	49.6	49.4	-0.2	-0.4%
27.2%	49.6	49.3	-0.2	-0.5%
28.4%	49.3	49.2	-0.1	-0.2%
29.6%	49.3	49.1	-0.2	-0.4%
30.9%	49.1	49.0	-0.1	-0.1%
32.1%	49.1	49.0	-0.1	-0.1%
33.3%	49.1	49.0	0.0	-0.1%
34.6%	49.1	49.0	-0.1	-0.1%
35.8%	49.0	49.0	-0.1	-0.1%
37.0%	49.0	49.0	-0.1	-0.1%
38.3%	49.0	49.0	0.0	-0.1%
39.5%	49.0	49.0	0.0	0.0%
40.7%	49.0	48.9	0.0	-0.1%
42.0%	49.0	48.9	0.0	-0.1%
43.2%	48.9	48.8	-0.1	-0.3%
44.4%	48.8	48.7	-0.1	-0.1%
45.7%	48.8	48.7	-0.1	-0.1%
46.9%	48.8	48.7	-0.1	-0.1%
48.1%	48.7	48.7	0.0	0.0%
49.4%	48.7	48.7	0.0	0.0%
50.6%	48.7	48.7	0.0	0.1%
51.9%	48.6	48.7	0.1	0.1%
53.1%	48.6	48.6	0.0	0.0%
54.3%	48.6	48.6	0.0	0.0%
55.6%	48.6	48.6	0.0	0.0%
56.8%	48.6	48.6	0.0	0.0%
58.0%	48.6	48.6	0.0	0.0%
59.3%	48.6	48.6	0.0	0.0%
60.5%	48.5	48.5	0.0	0.0%
61.7%	48.5	48.5	0.0	0.0%
63.0%	48.5	48.5	0.0	0.0%
64.2%	48.5	48.4	-0.1	-0.1%
65.4%	48.5	48.4	-0.1	-0.1%
66.7%	48.4	48.4	0.0	-0.1%
67.9%	48.4	48.3	0.0	-0.1%
69.1%	48.4	48.3	0.0	0.0%
70.4%	48.4	48.3	0.0	0.0%
71.6%	48.3	48.3	0.0	0.0%
72.8%	48.3	48.3	0.0	0.0%
74.1%	48.2	48.2	0.0	0.0%
75.3%	48.2	48.2	0.0	0.0%
76.5%	48.1	48.1	0.0	0.0%
77.8%	48.1	48.1	0.0	0.0%
79.0%	48.0	48.0	0.0	0.0%
80.2%	48.0	48.0	0.0	0.0%
81.5%	48.0	48.0	0.0	0.0%
82.7%	48.0	47.9	0.0	-0.1%
84.0%	47.9	47.9	0.0	0.0%
85.2%	47.8	47.8	0.0	0.0%
86.4%	47.8	47.8	0.0	0.0%
87.7%	47.7	47.7	0.0	0.0%
88.9%	47.6	47.6	0.0	0.0%
90.1%	47.5	47.5	0.0	0.0%
91.4%	47.4	47.4	0.0	0.0%
92.6%	47.4	47.2	-0.2	-0.3%
93.8%	47.2	47.2	0.0	0.0%
95.1%	47.1	47.0	0.0	-0.1%
96.3%	47.0	47.0	0.0	-0.1%
97.5%	47.0	46.9	0.0	-0.1%
98.8%	46.9	46.9	0.0	0.0%
100.0%	46.9	46.9	0.0	0.0%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.9	54.6	0.6	1.2%
1.2%	53.0	54.0	0.9	1.8%
2.5%	52.3	52.4	0.1	0.1%
3.7%	52.3	52.3	0.0	0.1%
4.9%	51.8	52.2	0.4	0.8%
6.2%	51.7	52.0	0.3	0.6%
7.4%	51.4	52.0	0.5	1.0%
8.6%	51.4	51.7	0.3	0.6%
9.9%	51.4	51.7	0.3	0.7%
11.1%	51.4	51.4	0.1	0.1%
12.3%	51.4	51.4	0.0	0.1%
13.6%	51.2	51.2	0.0	0.0%
14.8%	51.2	51.2	0.0	0.0%
16.0%	51.2	51.2	0.0	0.1%
17.3%	51.1	51.2	0.1	0.1%
18.5%	51.1	51.2	0.0	0.1%
19.8%	51.0	51.1	0.1	0.1%
21.0%	51.0	51.0	0.0	0.1%
22.2%	50.9	51.0	0.1	0.1%
23.5%	50.9	50.9	0.1	0.1%
24.7%	50.8	50.8	0.0	-0.1%
25.9%	50.8	50.8	0.0	0.0%
27.2%	50.7	50.7	0.0	0.0%
28.4%	50.7	50.7	0.0	0.0%
29.6%	50.6	50.7	0.0	0.0%
30.9%	50.6	50.6	0.0	0.0%
32.1%	50.6	50.5	0.0	-0.1%
33.3%	50.5	50.5	0.0	0.0%
34.6%	50.5	50.5	0.0	0.0%
35.8%	50.5	50.4	-0.1	-0.1%
37.0%	50.4	50.4	0.0	0.0%
38.3%	50.3	50.4	0.1	0.1%
39.5%	50.3	50.3	0.0	0.1%
40.7%	50.3	50.3	0.0	0.1%
42.0%	50.2	50.3	0.1	0.1%
43.2%	50.1	50.3	0.1	0.3%
44.4%	50.1	50.2	0.1	0.3%
45.7%	50.0	50.1	0.1	0.3%
46.9%	50.0	50.1	0.1	0.3%
48.1%	49.9	50.0	0.1	0.2%
49.4%	49.9	50.0	0.1	0.2%
50.6%	49.9	49.9	0.0	0.1%
51.9%	49.9	49.9	0.0	0.0%
53.1%	49.9	49.9	0.0	0.0%
54.3%	49.8	49.8	0.0	0.0%
55.6%	49.8	49.8	0.0	0.0%
56.8%	49.8	49.7	0.0	0.0%
58.0%	49.8	49.7	0.0	-0.1%
59.3%	49.7	49.7	0.0	0.0%
60.5%	49.7	49.7	0.0	-0.1%
61.7%	49.7	49.6	0.0	-0.1%
63.0%	49.7	49.6	-0.1	-0.2%
64.2%	49.7	49.6	-0.1	-0.2%
65.4%	49.6	49.5	-0.1	-0.2%
66.7%	49.6	49.5	-0.1	-0.1%
67.9%	49.5	49.4	-0.1	-0.2%
69.1%	49.4	49.4	0.0	-0.1%
70.4%	49.4	49.4	0.0	-0.1%
71.6%	49.4	49.3	-0.1	-0.1%
72.8%	49.3	49.3	0.0	0.0%
74.1%	49.3	49.3	-0.1	-0.1%
75.3%	49.2	49.2	0.0	-0.1%
76.5%	49.2	49.1	-0.1	-0.2%
77.8%	49.0	49.1	0.0	0.1%
79.0%	49.0	49.0	0.0	0.1%
80.2%	49.0	49.0	0.0	0.0%
81.5%	49.0	49.0	0.0	-0.1%
82.7%	49.0	48.9	0.0	-0.1%
84.0%	48.9	48.9	-0.1	-0.1%
85.2%	48.9	48.8	-0.1	-0.2%
86.4%	48.8	48.7	-0.1	-0.3%
87.7%	48.7	48.7	0.0	0.0%
88.9%	48.6	48.6	0.0	-0.1%
90.1%	48.5	48.5	0.0	0.1%
91.4%	48.5	48.3	-0.2	-0.4%
92.6%	48.3	48.3	0.0	-0.1%
93.8%	48.3	48.1	-0.2	-0.4%
95.1%	48.1	48.1	0.0	0.1%
96.3%	48.1	48.0	0.0	0.0%
97.5%	48.0	47.9	-0.1	-0.3%
98.8%	47.5	47.5	0.0	0.0%
100.0%	47.5	47.5	0.0	0.0%

Table SQ14-1b

Clear Creek at Igo, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	58.9	59.7	0.8	1.4%
1.2%	57.5	58.8	1.2	2.2%
2.5%	56.7	58.0	1.3	2.3%
3.7%	55.7	55.7	0.1	0.1%
4.9%	55.3	55.4	0.1	0.2%
6.2%	55.3	55.4	0.1	0.1%
7.4%	54.9	54.9	0.0	0.0%
8.6%	54.9	54.9	0.0	-0.1%
9.9%	54.3	54.7	0.4	0.7%
11.1%	54.1	54.4	0.3	0.6%
12.3%	53.9	54.1	0.1	0.2%
13.6%	53.9	54.1	0.2	0.4%
14.8%	53.7	54.0	0.3	0.5%
16.0%	53.7	54.0	0.3	0.5%
17.3%	53.6	53.9	0.3	0.5%
18.5%	53.4	53.7	0.3	0.5%
19.8%	53.3	53.4	0.1	0.2%
21.0%	53.1	53.4	0.2	0.4%
22.2%	53.1	53.1	0.0	0.0%
23.5%	53.1	53.1	0.0	0.0%
24.7%	53.1	53.1	0.0	0.0%
25.9%	53.0	53.1	0.0	0.1%
27.2%	53.0	53.0	0.1	0.1%
28.4%	53.0	53.0	0.1	0.1%
29.6%	53.0	53.0	0.1	0.1%
30.9%	52.9	53.0	0.1	0.2%
32.1%	52.9	53.0	0.1	0.1%
33.3%	52.9	53.0	0.1	0.1%
34.6%	52.9	53.0	0.1	0.1%
35.8%	52.8	52.9	0.1	0.2%
37.0%	52.8	52.9	0.1	0.1%
38.3%	52.8	52.9	0.1	0.2%
39.5%	52.7	52.8	0.1	0.2%
40.7%	52.7	52.8	0.1	0.2%
42.0%	52.7	52.7	0.0	-0.1%
43.2%	52.6	52.6	0.0	0.0%
44.4%	52.6	52.6	0.0	0.0%
45.7%	52.6	52.6	0.0	0.1%
46.9%	52.5	52.5	0.0	0.0%
48.1%	52.5	52.4	0.0	-0.1%
49.4%	52.5	52.3	-0.1	-0.2%
50.6%	52.4	52.3	-0.1	-0.2%
51.9%	52.3	52.2	-0.1	-0.1%
53.1%	52.2	52.2	0.0	0.0%
54.3%	52.1	52.2	0.1	0.2%
55.6%	52.1	52.1	0.0	0.0%
56.8%	52.1	52.1	0.0	0.0%
58.0%	52.0	52.0	0.0	0.0%
59.3%	52.0	52.0	0.0	0.0%
60.5%	52.0	52.0	0.0	0.0%
61.7%	52.0	51.9	0.0	-0.1%
63.0%	51.9	51.9	0.0	0.0%
64.2%	51.8	51.8	0.0	0.0%
65.4%	51.7	51.7	0.0	-0.1%
66.7%	51.7	51.7	0.0	0.0%
67.9%	51.5	51.6	0.1	0.1%
69.1%	51.5	51.5	0.0	0.0%
70.4%	51.5	51.5	0.0	0.0%
71.6%	51.4	51.4	0.0	0.0%
72.8%	51.4	51.4	0.0	0.0%
74.1%	51.4	51.3	-0.1	-0.2%
75.3%	51.4	51.2	-0.1	-0.2%
76.5%	51.3	51.1	-0.2	-0.4%
77.8%	51.3	51.1	-0.1	-0.3%
79.0%	51.2	51.0	-0.2	-0.5%
80.2%	51.2	51.0	-0.2	-0.5%
81.5%	51.1	50.9	-0.2	-0.4%
82.7%	51.0	50.9	-0.1	-0.1%
84.0%	50.9	50.9	-0.1	-0.1%
85.2%	50.9	50.9	0.0	-0.1%
86.4%	50.9	50.8	-0.1	-0.2%
87.7%	50.8	50.7	0.0	-0.1%
88.9%	50.7	50.6	-0.1	-0.2%
90.1%	50.6	50.6	0.0	0.0%
91.4%	50.5	50.6	0.1	0.1%
92.6%	50.5	50.4	-0.1	-0.2%
93.8%	50.3	50.3	0.0	0.0%
95.1%	50.2	50.2	0.0	0.0%
96.3%	50.1	50.1	0.0	0.0%
97.5%	50.0	50.0	0.0	0.0%
98.8%	49.8	49.7	-0.1	-0.2%
100.0%	49.8	49.7	-0.1	-0.2%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.9	87.7	25.8	41.6%
1.2%	58.0	61.5	3.4	5.9%
2.5%	58.0	58.6	0.6	1.1%
3.7%	57.9	58.2	0.3	0.5%
4.9%	57.8	58.1	0.4	0.7%
6.2%	57.6	58.0	0.5	0.8%
7.4%	57.6	57.9	0.4	0.6%
8.6%	57.6	57.9	0.3	0.5%
9.9%	57.5	57.8	0.3	0.5%
11.1%	57.3	57.7	0.4	0.7%
12.3%	57.3	57.5	0.3	0.4%
13.6%	57.3	57.5	0.2	0.4%
14.8%	57.3	57.5	0.2	0.3%
16.0%	57.2	57.3	0.0	0.1%
17.3%	57.2	57.3	0.1	0.1%
18.5%	57.1	57.2	0.0	0.1%
19.8%	57.0	57.1	0.1	0.2%
21.0%	57.0	57.1	0.1	0.2%
22.2%	56.9	57.1	0.1	0.2%
23.5%	56.9	57.0	0.1	0.2%
24.7%	56.9	57.0	0.1	0.2%
25.9%	56.9	57.0	0.1	0.1%
27.2%	56.9	57.0	0.1	0.1%
28.4%	56.8	56.9	0.1	0.2%
29.6%	56.8	56.9	0.1	0.2%
30.9%	56.7	56.9	0.2	0.3%
32.1%	56.6	56.8	0.1	0.3%
33.3%	56.6	56.8	0.1	0.2%
34.6%	56.6	56.7	0.1	0.2%
35.8%	56.6	56.7	0.1	0.2%
37.0%	56.5	56.6	0.1	0.2%
38.3%	56.5	56.6	0.2	0.3%
39.5%	56.4	56.6	0.2	0.3%
40.7%	56.3	56.5	0.2	0.3%
42.0%	56.2	56.4	0.2	0.3%
43.2%	56.2	56.4	0.1	0.2%
44.4%	56.2	56.3	0.1	0.1%
45.7%	56.1	56.2	0.1	0.2%
46.9%	56.1	56.2	0.1	0.2%
48.1%	56.1	56.1	0.0	0.1%
49.4%	56.0	56.1	0.1	0.2%
50.6%	56.0	56.1	0.1	0.2%
51.9%	55.9	56.0	0.0	0.0%
53.1%	55.9	55.9	0.0	0.0%
54.3%	55.9	55.9	0.0	0.0%
55.6%	55.8	55.9	0.0	0.0%
56.8%	55.8	55.8	0.0	0.1%
58.0%	55.8	55.8	0.0	0.0%
59.3%	55.8	55.8	0.0	0.0%
60.5%	55.8	55.7	0.0	0.0%
61.7%	55.7	55.7	-0.1	-0.1%
63.0%	55.7	55.6	-0.1	-0.1%
64.2%	55.6	55.6	0.0	0.0%
65.4%	55.6	55.6	0.0	0.0%
66.7%	55.6	55.6	0.0	0.0%
67.9%	55.6	55.6	0.0	0.0%
69.1%	55.5	55.5	0.0	0.0%
70.4%	55.5	55.5	0.0	0.0%
71.6%	55.5	55.5	0.1	0.1%
72.8%	55.4	55.5	0.1	0.1%
74.1%	55.4	55.3	-0.1	-0.2%
75.3%	55.4	55.2	-0.2	-0.3%
76.5%	55.4	55.2	-0.2	-0.3%
77.8%	55.4	55.1	-0.2	-0.4%
79.0%	55.3	55.1	-0.2	-0.4%
80.2%	55.3	55.1	-0.2	-0.4%
81.5%	55.3	55.0	-0.3	-0.5%
82.7%	55.2	54.9	-0.3	-0.5%
84.0%	55.1	54.9	-0.3	-0.5%
85.2%	54.9	54.9	-0.1	-0.1%
86.4%	54.8	54.7	-0.1	-0.2%
87.7%	54.6	54.7	0.0	0.1%
88.9%	54.5	54.7	0.1	0.2%
90.1%	54.5	54.5	0.1	0.1%
91.4%	54.5	54.5	0.0	0.0%
92.6%	54.4	54.4	0.0	-0.1%
93.8%	54.4	54.4	0.0	0.1%
95.1%	54.4	54.3	-0.1	-0.1%
96.3%	54.3	54.2	-0.1	-0.2%
97.5%	54.3	54.2	0.0	-0.1%
98.8%	54.2	54.2	0.0	-0.1%
100.0%	54.2	54.2	0.0	-0.1%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.4	65.7	-0.6	-0.9%
1.2%	59.0	59.0	0.0	0.0%
2.5%	58.8	58.5	-0.3	-0.5%
3.7%	58.5	58.2	-0.3	-0.5%
4.9%	58.4	58.2	-0.2	-0.3%
6.2%	58.2	57.9	-0.3	-0.4%
7.4%	58.2	57.8	-0.4	-0.6%
8.6%	58.0	57.8	-0.2	-0.3%
9.9%	57.7	57.6	0.0	-0.1%
11.1%	57.5	57.5	0.0	0.0%
12.3%	57.5	57.5	0.0	0.0%
13.6%	57.5	57.5	0.0	0.0%
14.8%	57.3	57.5	0.1	0.2%
16.0%	57.3	57.5	0.1	0.2%
17.3%	57.3	57.4	0.1	0.2%
18.5%	57.3	57.4	0.0	0.1%
19.8%	57.3	57.4	0.0	0.1%
21.0%	57.3	57.3	0.0	0.1%
22.2%	57.2	57.3	0.2	0.3%
23.5%	57.1	57.3	0.2	0.3%
24.7%	57.0	57.2	0.2	0.3%
25.9%	57.0	57.2	0.2	0.4%
27.2%	56.9	57.2	0.3	0.4%
28.4%	56.9	57.1	0.1	0.3%
29.6%	56.9	57.0	0.1	0.2%
30.9%	56.9	56.9	0.0	0.0%
32.1%	56.9	56.9	0.0	0.0%
33.3%	56.8	56.8	0.0	0.0%
34.6%	56.8	56.7	-0.1	-0.1%
35.8%	56.8	56.6	-0.2	-0.4%
37.0%	56.8	56.5	-0.3	-0.4%
38.3%	56.8	56.5	-0.2	-0.4%
39.5%	56.5	56.4	-0.1	-0.1%
40.7%	56.5	56.4	-0.1	-0.2%
42.0%	56.4	56.4	-0.1	-0.1%
43.2%	56.3	56.4	0.0	0.0%
44.4%	56.3	56.3	0.1	0.1%
45.7%	56.3	56.3	0.1	0.1%
46.9%	56.3	56.3	0.1	0.1%
48.1%	56.2	56.3	0.0	0.1%
49.4%	56.2	56.3	0.1	0.2%
50.6%	56.1	56.2	0.1	0.1%
51.9%	56.1	56.2	0.1	0.2%
53.1%	56.0	56.2	0.2	0.4%
54.3%	55.9	56.1	0.2	0.4%
55.6%	55.9	56.0	0.1	0.1%
56.8%	55.9	55.9	0.1	0.1%
58.0%	55.8	55.9	0.0	0.1%
59.3%	55.8	55.9	0.0	0.0%
60.5%	55.8	55.7	-0.1	-0.2%
61.7%	55.8	55.7	-0.1	-0.2%
63.0%	55.8	55.6	-0.1	-0.2%
64.2%	55.8	55.5	-0.2	-0.4%
65.4%	55.7	55.5	-0.2	-0.3%
66.7%	55.6	55.5	-0.1	-0.2%
67.9%	55.6	55.5	-0.1	-0.3%
69.1%	55.6	55.5	-0.2	-0.3%
70.4%	55.6	55.4	-0.2	-0.3%
71.6%	55.6	55.4	-0.2	-0.3%
72.8%	55.6	55.3	-0.3	-0.5%
74.1%	55.5	55.2	-0.3	-0.5%
75.3%	55.5	55.2	-0.3	-0.6%
76.5%	55.3	55.1	-0.1	-0.3%
77.8%	55.3	55.1	-0.1	-0.2%
79.0%	55.3	55.1	-0.1	-0.2%
80.2%	55.2	55.1	-0.1	-0.1%
81.5%	55.2	55.0	-0.1	-0.2%
82.7%	55.1	55.0	-0.1	-0.2%
84.0%	55.1	55.0	-0.1	-0.3%
85.2%	55.1	54.8	-0.2	-0.4%
86.4%	55.0	54.8	-0.3	-0.5%
87.7%	55.0	54.7	-0.3	-0.6%
88.9%	55.0	54.7	-0.3	-0.5%
90.1%	54.9	54.7	-0.3	-0.5%
91.4%	54.9	54.6	-0.2	-0.4%
92.6%	54.8	54.6	-0.2	-0.4%
93.8%	54.8	54.6	-0.2	-0.4%
95.1%	54.7	54.5	-0.2	-0.3%
96.3%	54.6	54.5	-0.1	-0.2%
97.5%	54.4	54.2	-0.2	-0.3%
98.8%	54.4	54.1	-0.3	-0.6%
100.0%	54.4	54.1	-0.3	-0.6%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.3	66.1	-0.2	-0.3%
1.2%	61.9	60.0	-1.9	-3.1%
2.5%	60.3	58.3	-1.9	-3.2%
3.7%	59.7	58.2	-1.5	-2.6%
4.9%	58.3	57.6	-0.7	-1.2%
6.2%	57.1	56.9	-0.2	-0.3%
7.4%	56.7	56.7	-0.1	-0.2%
8.6%	56.7	56.5	-0.2	-0.4%
9.9%	56.6	56.3	-0.3	-0.5%
11.1%	56.6	56.2	-0.4	-0.7%
12.3%	56.4	56.1	-0.3	-0.5%
13.6%	56.1	56.1	0.0	0.0%
14.8%	55.9	56.1	0.1	0.2%
16.0%	55.9	56.0	0.1	0.1%
17.3%	55.9	56.0	0.0	0.1%
18.5%	55.9	55.9	0.0	0.0%
19.8%	55.9	55.8	-0.1	-0.2%
21.0%	55.8	55.7	-0.1	-0.2%
22.2%	55.7	55.5	-0.2	-0.3%
23.5%	55.5	55.3	-0.2	-0.4%
24.7%	55.4	55.2	-0.2	-0.3%
25.9%	55.4	55.2	-0.1	-0.2%
27.2%	55.3	55.2	-0.1	-0.2%
28.4%	55.3	55.2	-0.1	-0.2%
29.6%	55.3	55.1	-0.1	-0.3%
30.9%	55.1	55.0	-0.1	-0.2%
32.1%	54.8	54.9	0.1	0.2%
33.3%	54.8	54.8	0.0	0.1%
34.6%	54.7	54.7	0.0	0.1%
35.8%	54.7	54.7	0.0	0.1%
37.0%	54.6	54.7	0.0	0.0%
38.3%	54.6	54.7	0.1	0.2%
39.5%	54.5	54.6	0.1	0.2%
40.7%	54.5	54.4	-0.1	-0.1%
42.0%	54.4	54.2	-0.2	-0.3%
43.2%	54.4	54.2	-0.2	-0.3%
44.4%	54.3	54.1	-0.2	-0.4%
45.7%	54.3	54.1	-0.2	-0.3%
46.9%	54.3	54.1	-0.2	-0.4%
48.1%	54.1	54.0	0.0	0.0%
49.4%	54.0	54.0	0.0	0.0%
50.6%	54.0	54.0	0.0	0.0%
51.9%	53.9	53.7	-0.2	-0.4%
53.1%	53.9	53.7	-0.3	-0.5%
54.3%	53.7	53.6	0.0	-0.1%
55.6%	53.7	53.6	-0.1	-0.2%
56.8%	53.6	53.5	-0.1	-0.1%
58.0%	53.6	53.5	-0.1	-0.1%
59.3%	53.5	53.5	-0.1	-0.1%
60.5%	53.5	53.4	-0.1	-0.2%
61.7%	53.4	53.4	0.0	0.0%
63.0%	53.3	53.2	-0.2	-0.3%
64.2%	53.3	53.2	-0.1	-0.3%
65.4%	53.3	53.1	-0.2	-0.3%
66.7%	53.2	53.0	-0.1	-0.2%
67.9%	53.2	53.0	-0.2	-0.3%
69.1%	53.1	52.9	-0.1	-0.3%
70.4%	53.0	52.9	-0.2	-0.4%
71.6%	53.0	52.8	-0.2	-0.4%
72.8%	53.0	52.8	-0.2	-0.4%
74.1%	52.8	52.7	-0.1	-0.2%
75.3%	52.8	52.7	-0.1	-0.2%
76.5%	52.8	52.7	-0.1	-0.2%
77.8%	52.8	52.7	-0.1	-0.2%
79.0%	52.7	52.6	-0.1	-0.1%
80.2%	52.6	52.6	-0.1	-0.1%
81.5%	52.6	52.6	-0.1	-0.2%
82.7%	52.6	52.6	0.0	0.0%
84.0%	52.6	52.4	-0.1	-0.2%
85.2%	52.5	52.4	-0.1	-0.1%
86.4%	52.5	52.4	-0.1	-0.2%
87.7%	52.5	52.4	-0.1	-0.2%
88.9%	52.4	52.2	-0.1	-0.2%
90.1%	52.3	52.2	-0.1	-0.2%
91.4%	52.3	52.2	-0.1	-0.2%
92.6%	52.3	52.1	-0.1	-0.2%
93.8%	52.2	52.1	-0.1	-0.2%
95.1%	52.1	52.1	0.0	-0.1%
96.3%	52.0	52.0	-0.1	-0.1%
97.5%	52.0	51.9	-0.1	-0.2%
98.8%	52.0	51.8	-0.2	-0.3%
100.0%	52.0	51.8	-0.2	-0.3%

Table SQ14-1b

Clear Creek at Igo, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	63.4	63.0	-0.4	-0.6%
1.2%	58.1	61.9	3.8	6.5%
2.5%	58.0	58.5	0.5	0.9%
3.7%	57.7	57.6	-0.1	-0.2%
4.9%	57.4	57.4	0.0	0.0%
6.2%	56.9	57.3	0.4	0.7%
7.4%	56.9	57.0	0.1	0.2%
8.6%	56.6	56.7	0.1	0.1%
9.9%	56.6	56.5	-0.1	-0.2%
11.1%	56.3	56.5	0.2	0.3%
12.3%	56.3	56.3	0.1	0.2%
13.6%	56.1	56.3	0.2	0.4%
14.8%	56.1	56.3	0.3	0.4%
16.0%	56.1	56.3	0.2	0.3%
17.3%	56.1	56.0	0.0	-0.1%
18.5%	55.9	56.0	0.0	0.1%
19.8%	55.8	55.9	0.1	0.2%
21.0%	55.8	55.9	0.1	0.1%
22.2%	55.8	55.9	0.0	0.1%
23.5%	55.8	55.8	0.0	-0.1%
24.7%	55.7	55.7	0.0	0.0%
25.9%	55.7	55.7	0.0	0.1%
27.2%	55.5	55.7	0.2	0.4%
28.4%	55.5	55.7	0.2	0.4%
29.6%	55.4	55.7	0.3	0.5%
30.9%	55.4	55.6	0.3	0.5%
32.1%	55.4	55.5	0.1	0.2%
33.3%	55.3	55.4	0.1	0.1%
34.6%	55.3	55.4	0.1	0.1%
35.8%	55.1	55.3	0.2	0.3%
37.0%	55.1	55.2	0.1	0.2%
38.3%	55.1	55.2	0.1	0.2%
39.5%	55.0	55.1	0.1	0.2%
40.7%	54.9	55.1	0.1	0.3%
42.0%	54.9	54.9	0.1	0.1%
43.2%	54.8	54.8	0.0	0.1%
44.4%	54.8	54.8	0.1	0.1%
45.7%	54.8	54.8	0.1	0.1%
46.9%	54.8	54.8	0.1	0.1%
48.1%	54.7	54.8	0.0	0.1%
49.4%	54.7	54.8	0.1	0.1%
50.6%	54.7	54.7	0.1	0.1%
51.9%	54.6	54.6	0.0	0.0%
53.1%	54.6	54.6	0.0	0.0%
54.3%	54.5	54.6	0.1	0.3%
55.6%	54.4	54.4	-0.1	-0.1%
56.8%	54.3	54.4	0.1	0.1%
58.0%	54.3	54.4	0.1	0.2%
59.3%	54.2	54.2	0.0	0.0%
60.5%	54.2	54.2	0.0	-0.1%
61.7%	54.1	54.2	0.1	0.1%
63.0%	54.1	54.1	0.1	0.1%
64.2%	54.1	54.1	0.0	0.1%
65.4%	54.1	54.1	0.0	0.0%
66.7%	54.1	54.1	0.0	0.0%
67.9%	54.0	53.9	-0.2	-0.3%
69.1%	53.9	53.9	-0.1	-0.1%
70.4%	53.9	53.8	-0.1	-0.1%
71.6%	53.9	53.8	-0.1	-0.2%
72.8%	53.9	53.8	-0.1	-0.2%
74.1%	53.9	53.8	-0.1	-0.2%
75.3%	53.8	53.7	-0.2	-0.3%
76.5%	53.8	53.7	-0.1	-0.3%
77.8%	53.8	53.7	-0.1	-0.2%
79.0%	53.7	53.5	-0.3	-0.5%
80.2%	53.7	53.4	-0.3	-0.6%
81.5%	53.7	53.4	-0.3	-0.5%
82.7%	53.6	53.3	-0.3	-0.5%
84.0%	53.6	53.3	-0.2	-0.4%
85.2%	53.5	53.3	-0.2	-0.4%
86.4%	53.5	53.2	-0.3	-0.5%
87.7%	53.2	53.1	-0.1	-0.1%
88.9%	53.2	53.1	0.0	-0.1%
90.1%	53.2	53.1	0.0	-0.1%
91.4%	53.0	53.0	0.0	-0.1%
92.6%	53.0	53.0	0.0	0.0%
93.8%	53.0	53.0	0.0	0.0%
95.1%	53.0	52.9	0.0	0.0%
96.3%	52.9	52.9	0.0	0.0%
97.5%	52.8	52.7	-0.2	-0.3%
98.8%	52.8	52.6	-0.2	-0.3%
100.0%	52.4	52.2	-0.2	-0.4%

July to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	64.9	65.4	0.5	0.8%
1.2%	59.0	64.4	5.4	9.1%
2.5%	58.6	58.4	-0.2	-0.3%
3.7%	58.5	58.2	-0.3	-0.5%
4.9%	58.4	58.1	-0.3	-0.5%
6.2%	57.6	57.5	-0.1	-0.2%
7.4%	57.4	57.4	0.0	-0.1%
8.6%	57.3	57.3	0.0	0.0%
9.9%	57.3	57.2	0.0	0.0%
11.1%	56.9	57.1	0.2	0.4%
12.3%	56.9	57.1	0.2	0.4%
13.6%	56.9	57.1	0.2	0.4%
14.8%	56.9	57.1	0.2	0.4%
16.0%	56.8	57.0	0.3	0.5%
17.3%	56.7	56.9	0.1	0.2%
18.5%	56.7	56.9	0.1	0.2%
19.8%	56.7	56.8	0.1	0.2%
21.0%	56.7	56.8	0.1	0.2%
22.2%	56.7	56.7	0.0	0.0%
23.5%	56.6	56.6	0.0	0.1%
24.7%	56.5	56.6	0.1	0.1%
25.9%	56.5	56.6	0.1	0.2%
27.2%	56.4	56.6	0.2	0.3%
28.4%	56.4	56.5	0.1	0.2%
29.6%	56.3	56.3	0.0	-0.1%
30.9%	56.3	56.2	-0.1	-0.1%
32.1%	56.2	56.2	0.0	0.0%
33.3%	56.1	56.2	0.0	0.1%
34.6%	56.1	56.1	0.0	0.0%
35.8%	55.9	56.1	0.2	0.3%
37.0%	55.9	56.1	0.2	0.3%
38.3%	55.8	56.0	0.1	0.2%
39.5%	55.8	55.8	0.0	0.0%
40.7%	55.6	55.7	0.1	0.3%
42.0%	55.5	55.7	0.2	0.4%
43.2%	55.5	55.6	0.1	0.2%
44.4%	55.5	55.6	0.1	0.2%
45.7%	55.5	55.5	0.0	0.0%
46.9%	55.5	55.5	0.0	0.0%
48.1%	55.5	55.5	0.0	0.0%
49.4%	55.5	55.5	0.0	0.1%
50.6%	55.5	55.5	0.0	0.0%
51.9%	55.4	55.4	0.0	0.1%
53.1%	55.4	55.4	0.1	0.1%
54.3%	55.3	55.3	0.0	-0.1%
55.6%	55.2	55.2	0.0	0.0%
56.8%	55.2	55.2	0.0	0.0%
58.0%	55.1	55.2	0.1	0.2%
59.3%	55.1	55.2	0.1	0.2%
60.5%	55.0	55.1	0.1	0.1%
61.7%	55.0	54.9	-0.2	-0.3%
63.0%	55.0	54.9	-0.2	-0.3%
64.2%	54.9	54.9	-0.1	-0.2%
65.4%	54.9	54.8	-0.1	-0.1%
66.7%	54.8	54.8	-0.1	-0.2%
67.9%	54.8	54.8	0.0	0.0%
69.1%	54.7	54.7	0.0	-0.1%
70.4%	54.7	54.6	-0.1	-0.2%
71.6%	54.7	54.5	-0.2	-0.4%
72.8%	54.7	54.4	-0.2	-0.4%
74.1%	54.6	54.4	-0.2	-0.3%
75.3%	54.6	54.4	-0.2	-0.3%
76.5%	54.5	54.4	-0.1	-0.2%
77.8%	54.5	54.4	-0.1	-0.2%
79.0%	54.4	54.2	-0.2	-0.4%
80.2%	54.4	54.2	-0.2	-0.4%
81.5%	54.4	54.2	-0.2	-0.3%
82.7%	54.3	54.1	-0.2	-0.3%
84.0%	54.3	54.1	-0.2	-0.4%
85.2%	54.2	54.0	-0.2	-0.4%
86.4%	54.2	54.0	-0.2	-0.3%
87.7%	54.1	54.0	-0.1	-0.1%
88.9%	54.0	54.0	0.0	0.0%
90.1%	54.0	53.9	0.0	0.0%
91.4%	53.9	53.9	0.0	0.0%
92.6%	53.9	53.9	0.0	-0.1%
93.8%	53.9	53.8	-0.1	-0.1%
95.1%	53.9	53.7	-0.2	-0.4%
96.3%	53.8	53.7	-0.1	-0.2%
97.5%	53.7	53.7	0.0	-0.1%
98.8%	53.7	53.4	-0.2	-0.4%
100.0%	53.3	53.1	-0.2	-0.4%

August to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.3	65.9	-0.4	-0.6%
1.2%	60.4	58.9	-1.5	-2.5%
2.5%	59.3	58.7	-0.7	-1.1%
3.7%	58.9	58.1	-0.8	-1.4%
4.9%	58.7	57.7	-0.9	-1.6%
6.2%	57.5	57.3	-0.3	-0.4%
7.4%	57.4	57.2	-0.2	-0.3%
8.6%	57.3	57.2	-0.1	-0.2%
9.9%	57.1	57.1	0.0	0.0%
11.1%	57.0	56.9	-0.1	-0.1%
12.3%	56.9	56.9	0.0	0.1%
13.6%	56.8	56.8	0.0	0.1%
14.8%	56.7	56.8	0.0	0.0%
16.0%	56.7	56.7	0.0	0.1%
17.3%	56.6	56.7	0.1	0.1%
18.5%	56.6	56.7	0.1	0.2%
19.8%	56.5	56.6	0.0	0.1%
21.0%	56.4	56.5	0.1	0.2%
22.2%	56.3	56.3	0.0	0.0%
23.5%	56.3	56.3	0.0	0.0%
24.7%	56.3	56.3	-0.1	-0.1%
25.9%	56.2	56.2	0.0	0.0%
27.2%	56.1	56.1	-0.1	-0.1%
28.4%	56.1	56.0	-0.1	-0.2%
29.6%	56.0	56.0	0.0	0.0%
30.9%	55.9	56.0	0.0	0.0%
32.1%	55.9	55.9	0.0	-0.1%
33.3%	55.8	55.8	0.1	0.1%
34.6%	55.7	55.8	0.1	0.2%
35.8%	55.7	55.8	0.1	0.1%
37.0%	55.7	55.7	0.0	0.0%
38.3%	55.7	55.5	-0.2	-0.3%
39.5%	55.4	55.3	-0.1	-0.2%
40.7%	55.4	55.2	-0.2	-0.3%
42.0%	55.4	55.2	-0.1	-0.2%
43.2%	55.3	55.2	0.0	0.0%
44.4%	55.2	55.2	0.0	0.1%
45.7%	55.2	55.2	0.0	0.0%
46.9%	55.2	55.2	0.0	0.0%
48.1%	55.1	55.2	0.0	0.0%
49.4%	55.1	55.1	0.0	-0.1%
50.6%	55.1	55.0	-0.1	-0.2%
51.9%	55.1	55.0	-0.1	-0.2%
53.1%	55.1	55.0	-0.1	-0.2%
54.3%	54.9	55.0	0.1	0.1%
55.6%	54.9	54.9	-0.1	-0.1%
56.8%	54.9	54.8	-0.1	-0.2%
58.0%	54.9	54.7	-0.2	-0.3%
59.3%	54.7	54.6	-0.1	-0.2%
60.5%	54.7	54.5	-0.2	-0.3%
61.7%	54.6	54.5	-0.1	-0.2%
63.0%	54.6	54.5	-0.1	-0.2%
64.2%	54.6	54.4	-0.1	-0.2%
65.4%	54.5	54.4	-0.1	-0.2%
66.7%	54.4	54.2	-0.2	-0.3%
67.9%	54.4	54.2	-0.1	-0.3%
69.1%	54.3	54.1	-0.2	-0.4%
70.4%	54.2	54.1	-0.1	-0.2%
71.6%	54.2	54.0	-0.2	-0.3%
72.8%	54.2	54.0	-0.2	-0.3%
74.1%	54.2	54.0	-0.2	-0.3%
75.3%	54.1	54.0	-0.1	-0.3%
76.5%	54.0	53.9	-0.1	-0.2%
77.8%	54.0	53.8	-0.2	-0.3%
79.0%	54.0	53.8	-0.2	-0.3%
80.2%	53.9	53.8	-0.1	-0.3%
81.5%	53.9	53.8	-0.1	-0.2%
82.7%	53.8	53.7	-0.1	-0.2%
84.0%	53.8	53.7	-0.1	-0.2%
85.2%	53.8	53.7	-0.1	-0.2%
86.4%	53.8	53.6	-0.1	-0.3%
87.7%	53.7	53.6	-0.1	-0.2%
88.9%	53.7	53.6	-0.1	-0.2%
90.1%	53.7	53.6	-0.1	-0.2%
91.4%	53.7	53.6	-0.1	-0.2%
92.6%	53.6	53.6	0.0	-0.1%
93.8%	53.6	53.4	-0.2	-0.3%
95.1%	53.5	53.4	-0.1	-0.3%
96.3%	53.4	53.2	-0.2	-0.4%
97.5%	53.3	53.2	-0.2	-0.3%
98.8%	53.2	53.0	-0.2	-0.3%
100.0%	52.9	52.7	-0.2	-0.3%

Figure SQ15-1b
Clear Creek at Mouth, Monthly Temperature
Probability of Exceedance

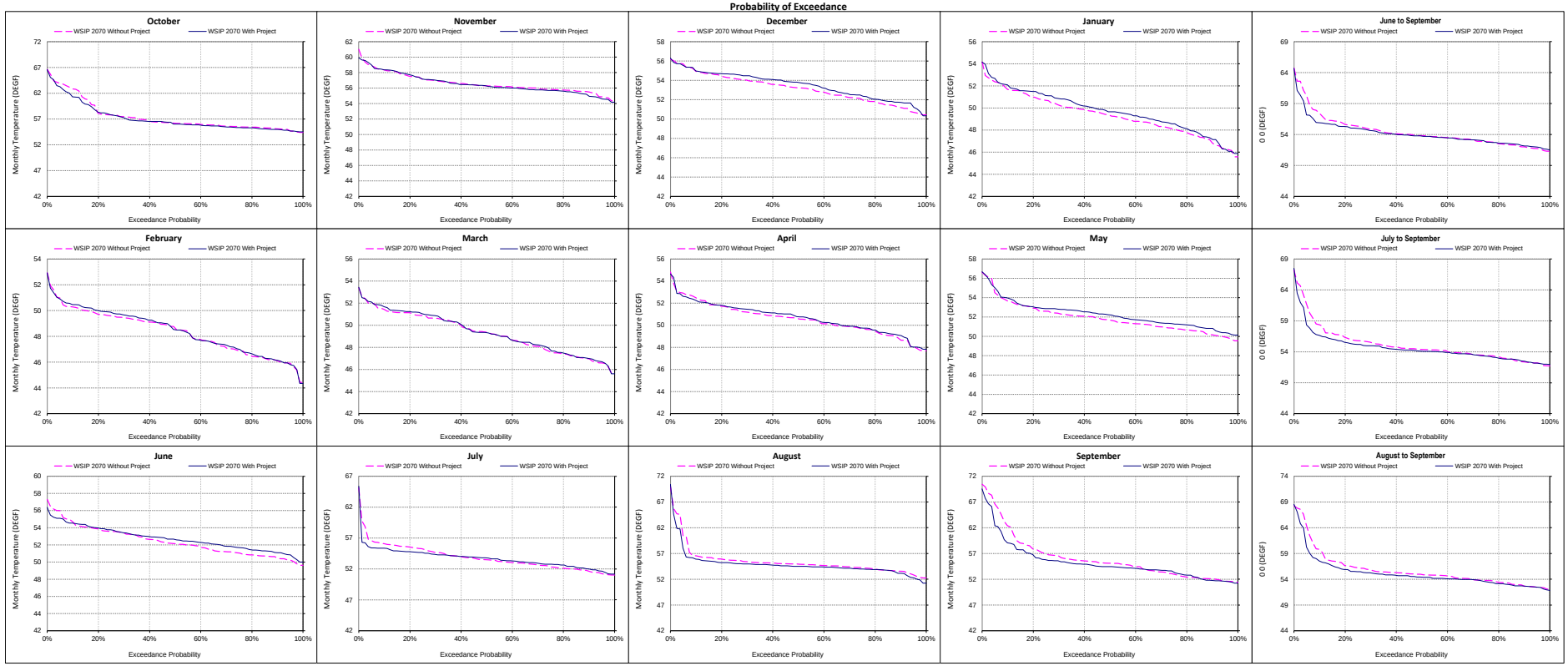


Table SQ15-1b

Clear Creek at Mouth, Monthly Temperature

Probability of Exceedance

October

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	66.6	66.6	0.0	0.0%
1.2%	65.7	65.1	-0.6	-0.9%
2.5%	64.4	64.6	0.2	0.3%
3.7%	64.1	63.5	-0.6	-1.0%
4.9%	63.9	63.3	-0.6	-1.0%
6.2%	63.8	62.7	-1.1	-1.7%
7.4%	63.5	62.3	-1.2	-1.9%
8.6%	63.2	62.0	-1.2	-1.8%
9.9%	62.9	61.3	-1.6	-2.5%
11.1%	62.8	61.2	-1.5	-2.4%
12.3%	62.4	61.2	-1.3	-2.0%
13.6%	61.3	60.3	-1.1	-1.7%
14.8%	60.9	59.9	-1.0	-1.7%
16.0%	60.7	59.8	-0.9	-1.5%
17.3%	59.8	59.4	-0.4	-0.7%
18.5%	59.7	58.8	-0.9	-1.5%
19.8%	58.2	58.3	0.2	0.3%
21.0%	57.9	58.2	0.3	0.5%
22.2%	57.9	58.2	0.3	0.6%
23.5%	57.8	58.1	0.2	0.4%
24.7%	57.8	57.8	0.0	0.1%
25.9%	57.8	57.7	-0.1	-0.1%
27.2%	57.8	57.6	-0.1	-0.3%
28.4%	57.5	57.5	0.0	0.0%
29.6%	57.5	57.3	-0.2	-0.3%
30.9%	57.4	57.1	-0.4	-0.6%
32.1%	57.3	56.8	-0.6	-1.0%
33.3%	57.3	56.8	-0.5	-0.9%
34.6%	57.3	56.7	-0.6	-1.0%
35.8%	57.0	56.6	-0.3	-0.5%
37.0%	56.9	56.6	-0.3	-0.5%
38.3%	56.9	56.6	-0.3	-0.4%
39.5%	56.7	56.6	-0.1	-0.2%
40.7%	56.5	56.5	0.0	0.1%
42.0%	56.4	56.5	0.1	0.1%
43.2%	56.4	56.5	0.1	0.2%
44.4%	56.4	56.5	0.1	0.2%
45.7%	56.3	56.4	0.1	0.1%
46.9%	56.3	56.4	0.1	0.2%
48.1%	56.3	56.4	0.1	0.2%
49.4%	56.2	56.0	-0.2	-0.3%
50.6%	56.2	56.0	-0.1	-0.2%
51.9%	56.2	56.0	-0.1	-0.2%
53.1%	56.1	56.0	-0.2	-0.3%
54.3%	56.1	55.9	-0.2	-0.3%
55.6%	56.1	55.9	-0.2	-0.3%
56.8%	56.1	55.9	-0.2	-0.4%
58.0%	56.1	55.9	-0.2	-0.4%
59.3%	56.0	55.9	-0.2	-0.3%
60.5%	55.9	55.8	-0.1	-0.3%
61.7%	55.9	55.7	-0.2	-0.3%
63.0%	55.9	55.7	-0.1	-0.3%
64.2%	55.8	55.7	-0.2	-0.3%
65.4%	55.8	55.6	-0.2	-0.3%
66.7%	55.8	55.6	-0.2	-0.3%
67.9%	55.7	55.6	-0.1	-0.2%
69.1%	55.6	55.5	-0.1	-0.2%
70.4%	55.6	55.4	-0.2	-0.3%
71.6%	55.6	55.4	-0.1	-0.3%
72.8%	55.6	55.4	-0.2	-0.3%
74.1%	55.6	55.3	-0.2	-0.4%
75.3%	55.5	55.3	-0.1	-0.2%
76.5%	55.5	55.3	-0.1	-0.3%
77.8%	55.4	55.3	-0.2	-0.3%
79.0%	55.4	55.3	-0.2	-0.3%
80.2%	55.4	55.3	-0.2	-0.3%
81.5%	55.4	55.2	-0.2	-0.3%
82.7%	55.4	55.2	-0.2	-0.4%
84.0%	55.3	55.1	-0.3	-0.5%
85.2%	55.3	55.1	-0.2	-0.4%
86.4%	55.3	55.0	-0.2	-0.4%
87.7%	55.2	55.0	-0.2	-0.4%
88.9%	55.1	55.0	-0.1	-0.2%
90.1%	55.1	55.0	-0.1	-0.2%
91.4%	55.1	54.9	-0.1	-0.3%
92.6%	55.0	54.9	-0.2	-0.3%
93.8%	55.0	54.8	-0.2	-0.3%
95.1%	54.7	54.7	0.0	0.0%
96.3%	54.6	54.7	0.0	0.0%
97.5%	54.5	54.5	0.0	0.1%
98.8%	54.4	54.5	0.1	0.2%
100.0%	54.4	54.5	0.0	0.2%

November

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	61.0	59.9	-1.1	-1.8%
1.2%	59.9	59.6	-0.3	-0.5%
2.5%	59.4	59.6	0.2	0.4%
3.7%	59.0	59.3	0.3	0.5%
4.9%	58.9	59.0	0.1	0.2%
6.2%	58.7	58.5	-0.2	-0.3%
7.4%	58.5	58.5	0.0	0.0%
8.6%	58.4	58.5	0.0	0.0%
9.9%	58.4	58.4	0.0	0.0%
11.1%	58.2	58.4	0.1	0.2%
12.3%	58.2	58.3	0.1	0.2%
13.6%	58.2	58.3	0.1	0.2%
14.8%	58.1	58.1	0.0	0.0%
16.0%	57.9	58.0	0.1	0.2%
17.3%	57.7	57.9	0.2	0.3%
18.5%	57.7	57.8	0.2	0.3%
19.8%	57.5	57.7	0.2	0.4%
21.0%	57.5	57.6	0.2	0.3%
22.2%	57.4	57.5	0.0	0.0%
23.5%	57.4	57.4	0.0	-0.1%
24.7%	57.2	57.2	0.0	0.0%
25.9%	57.1	57.1	0.1	0.1%
27.2%	57.0	57.1	0.1	0.1%
28.4%	57.0	57.1	0.1	0.1%
29.6%	57.0	57.0	0.0	0.1%
30.9%	56.9	57.0	0.1	0.1%
32.1%	56.9	56.9	0.1	0.1%
33.3%	56.8	56.9	0.1	0.2%
34.6%	56.8	56.8	0.0	0.1%
35.8%	56.8	56.6	-0.1	-0.2%
37.0%	56.7	56.6	-0.1	-0.2%
38.3%	56.7	56.6	-0.1	-0.1%
39.5%	56.6	56.5	-0.1	-0.3%
40.7%	56.6	56.4	-0.1	-0.3%
42.0%	56.5	56.4	-0.1	-0.1%
43.2%	56.5	56.4	0.0	0.0%
44.4%	56.4	56.4	0.0	0.0%
45.7%	56.4	56.4	0.0	0.0%
46.9%	56.3	56.4	0.0	0.0%
48.1%	56.3	56.3	0.0	0.1%
49.4%	56.3	56.3	0.0	0.0%
50.6%	56.3	56.2	-0.1	-0.1%
51.9%	56.3	56.2	-0.1	-0.2%
53.1%	56.3	56.1	-0.2	-0.3%
54.3%	56.2	56.1	-0.1	-0.2%
55.6%	56.2	56.1	-0.2	-0.3%
56.8%	56.2	56.1	-0.1	-0.3%
58.0%	56.2	56.0	-0.2	-0.3%
59.3%	56.2	56.0	-0.2	-0.3%
60.5%	56.1	56.0	-0.1	-0.2%
61.7%	56.1	56.0	-0.1	-0.2%
63.0%	56.1	55.9	-0.1	-0.3%
64.2%	56.1	55.9	-0.2	-0.3%
65.4%	56.0	55.9	-0.2	-0.3%
66.7%	56.0	55.8	-0.2	-0.4%
67.9%	56.0	55.8	-0.2	-0.4%
69.1%	56.0	55.8	-0.2	-0.4%
70.4%	55.9	55.8	-0.1	-0.3%
71.6%	55.8	55.8	-0.1	-0.2%
72.8%	55.8	55.7	-0.1	-0.2%
74.1%	55.8	55.7	-0.1	-0.2%
75.3%	55.8	55.7	-0.1	-0.2%
76.5%	55.8	55.7	-0.1	-0.2%
77.8%	55.8	55.7	-0.1	-0.2%
79.0%	55.8	55.6	-0.2	-0.3%
80.2%	55.7	55.6	-0.1	-0.2%
81.5%	55.7	55.5	-0.2	-0.3%
82.7%	55.7	55.5	-0.2	-0.4%
84.0%	55.7	55.5	-0.3	-0.4%
85.2%	55.6	55.4	-0.2	-0.3%
86.4%	55.6	55.3	-0.3	-0.5%
87.7%	55.6	55.2	-0.3	-0.6%
88.9%	55.6	55.2	-0.3	-0.6%
90.1%	55.5	54.9	-0.6	-1.0%
91.4%	55.4	54.9	-0.5	-0.9%
92.6%	55.3	54.9	-0.5	-0.9%
93.8%	54.9	54.8	-0.1	-0.2%
95.1%	54.9	54.6	-0.3	-0.5%
96.3%	54.8	54.6	-0.2	-0.4%
97.5%	54.7	54.5	-0.2	-0.4%
98.8%	54.4	54.2	-0.2	-0.3%
100.0%	54.4	54.2	-0.2	-0.3%

December

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.2	56.3	0.1	0.2%
1.2%	56.0	55.9	-0.2	-0.3%
2.5%	55.8	55.7	-0.1	-0.1%
3.7%	55.8	55.7	-0.1	-0.1%
4.9%	55.7	55.6	-0.2	-0.3%
6.2%	55.4	55.4	0.0	0.0%
7.4%	55.4	55.4	0.0	0.0%
8.6%	55.3	55.3	0.1	0.2%
9.9%	55.0	55.0	0.0	0.1%
11.1%	54.8	54.9	0.1	0.2%
12.3%	54.8	54.9	0.1	0.1%
13.6%	54.7	54.8	0.1	0.2%
14.8%	54.7	54.8	0.1	0.2%
16.0%	54.7	54.7	0.1	0.1%
17.3%	54.6	54.7	0.1	0.2%
18.5%	54.6	54.7	0.1	0.2%
19.8%	54.4	54.7	0.2	0.5%
21.0%	54.4	54.7	0.3	0.6%
22.2%	54.3	54.7	0.4	0.7%
23.5%	54.3	54.6	0.4	0.7%
24.7%	54.2	54.6	0.4	0.8%
25.9%	54.1	54.6	0.4	0.8%
27.2%	54.1	54.6	0.5	0.8%
28.4%	54.0	54.5	0.4	0.8%
29.6%	54.0	54.5	0.4	0.8%
30.9%	53.9	54.5	0.5	1.0%
32.1%	53.9	54.4	0.5	0.9%
33.3%	53.9	54.3	0.4	0.8%
34.6%	53.8	54.2	0.4	0.7%
35.8%	53.8	54.1	0.3	0.6%
37.0%	53.7	54.1	0.4	0.7%
38.3%	53.7	54.1	0.4	0.8%
39.5%	53.6	54.1	0.5	1.0%
40.7%	53.6	54.1	0.5	0.9%
42.0%	53.5	54.0	0.5	0.9%
43.2%	53.5	54.0	0.5	1.0%
44.4%	53.5	53.9	0.4	0.8%
45.7%	53.3	53.9	0.5	1.0%
46.9%	53.3	53.8	0.5	1.0%
48.1%	53.3	53.8	0.6	1.1%
49.4%	53.2	53.8	0.6	1.1%
50.6%	53.2	53.8	0.5	1.0%
51.9%	53.2	53.7	0.5	0.9%
53.1%	53.2	53.7	0.5	0.9%
54.3%	53.1	53.7	0.6	1.1%
55.6%	53.1	53.5	0.5	0.9%
56.8%	52.9	53.5	0.6	1.1%
58.0%	52.8	53.4	0.6	1.0%
59.3%	52.8	53.2	0.4	0.8%
60.5%	52.7	53.2	0.5	0.9%
61.7%	52.6	53.0	0.4	0.7%
63.0%	52.5	53.0	0.4	0.8%
64.2%	52.5	52.9	0.4	0.8%
65.4%	52.5	52.8	0.3	0.6%
66.7%	52.5	52.7	0.3	0.5%
67.9%	52.4	52.7	0.3	0.6%
69.1%	52.3	52.6	0.4	0.7%
70.4%	52.2	52.5	0.3	0.6%
71.6%	52.2	52.5	0.3	0.6%
72.8%	52.2	52.5	0.3	0.6%
74.1%	52.1	52.5	0.4	0.7%
75.3%	51.9	52.3	0.4	0.8%
76.5%	51.9	52.3	0.4	0.8%
77.8%	51.8	52.2	0.4	0.7%
79.0%	51.8	52.1	0.3	0.5%
80.2%	51.8	52.1	0.2	0.5%
81.5%	51.6	52.0	0.4	0.7%
82.7%	51.6	51.9	0.4	0.7%
84.0%	51.5	51.9	0.4	0.8%
85.2%	51.5	51.8	0.4	0.7%
86.4%	51.4	51.8	0.4	0.8%
87.7%	51.4	51.8	0.4	0.8%
88.9%	51.2	51.7	0.5	1.0%
90.1%	51.2	51.7	0.5	1.0%
91.4%	51.1	51.7	0.6	1.1%
92.6%	51.1	51.7	0.6	1.1%
93.8%	50.8	51.7	0.9	1.7%
95.1%	50.7	51.2	0.5	1.1%
96.3%	50.6	51.0	0.4	0.8%
97.5%	50.5	50.8	0.3	0.6%
98.8%	50.4	50.3	-0.1	-0.2%
100.0%	50.4	50.3	-0.1	-0.2%

January

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.2	54.2	0.0	0.0%
1.2%	52.9	54.0	1.0	1.9%
2.5%	52.7	53.1	0.4	0.7%
3.7%	52.5	52.8	0.2	0.4%
4.9%	52.4	52.7	0.3	0.6%
6.2%	52.3	52.3	0.0	0.0%
7.4%	52.2	52.2	0.0	0.0%
8.6%	52.0	52.1	0.2	0.3%
9.9%	51.7	52.1	0.4	0.8%
11.1%	51.6	51.8	0.2	0.4%
12.3%	51.6	51.8	0.2	0.3%
13.6%	51.6	51.7	0.1	0.3%
14.8%	51.6	51.6	0.0	0.0%
16.0%	51.4	51.6	0.2	0.4%
17.3%	51.3	51.5	0.3	0.5%
18.5%	51.1	51.5	0.4	0.9%
19.8%	51.0	51.5	0.5	0.9%
21.0%	50.9	51.5	0.6	1.1%
22.2%	50.8	51.3	0.5	1.0%
23.5%	50.8	51.3	0.5	1.0%
24.7%	50.7	51.1	0.4	0.8%
25.9%	50.7	51.1	0.4	0.9%
27.2%	50.4	51.1	0.7	1.3%
28.4%	50.4	50.9	0.5	1.0%
29.6%	50.3	50.9	0.6	1.1%
30.9%	50.2	50.8	0.6	1.3%
32.1%	50.1	50.8	0.7	1.4%
33.3%	50.1	50.7	0.7	1.4%
34.6%	50.1	50.7	0.6	1.2%
35.8%	50.0	50.5	0.5	1.0%
37.0%	50.0	50.4	0.4	0.8%
38.3%	49.9	50.3	0.4	0.7%
39.5%	49.9	50.2	0.3	0.6%
40.7%	49.8	50.2	0.4	0.7%
42.0%	49.7	50.1	0.4	0.7%
43.2%	49.7	50.1	0.3	0.7%
44.4%	49.6	49.9	0.3	0.6%
45.7%	49.6	49.9	0.3	0.6%
46.9%	49.5	49.9	0.4	0.7%
48.1%	49.4	49.8	0.4	0.7%
49.4%	49.4	49.7	0.3	0.5%
50.6%	49.3	49.7	0.4	0.8%
51.9%	49.2	49.6	0.4	0.8%
53.1%	49.2	49.6	0.4	0.9%
54.3%	49.2	49.5	0.4	0.8%
55.6%	49.0	49.5	0.5	1.0%
56.8%	49.0	49.5	0.5	1.0%
58.0%	48.9	49.4	0.5	1.0%
59.3%	48.8	49.3	0.5	1.0%
60.5%	48.8	49.3	0.5	1.0%
61.7%	48.8	49.2	0.4	0.8%
63.0%	48.7	49.2	0.4	0.9%
64.2%	48.7	49.1	0.4	0.8%
65.4%	48.7	49.0	0.3	0.7%
66.7%	48.6	49.0	0.4	0.8%
67.9%	48.5	48.9	0.4	0.8%
69.1%	48.3	48.8	0.5	1.1%
70.4%	48.3	48.7	0.4	0.9%
71.6%	48.3	48.7	0.4	0.9%
72.8%	48.2	48.7	0.5	1.0%
74.1%	48.1	48.6	0.4	0.9%
75.3%	48.1	48.6	0.5	1.0%
76.5%	48.0	48.4	0.4	0.9%
77.8%	47.9	48.3	0.4	0.8%
79.0%	47.9	48.2	0.3	0.6%
80.2%	47.7	48.1	0.4	0.8%
81.5%	47.6	47.9	0.3	0.7%
82.7%	47.5	47.9	0.4	0.8%
84.0%	47.5	47.8	0.3	0.6%
85.2%	47.3	47.6	0.3	0.6%
86.4%	47.3	47.4	0.1	0.2%
87.7%	47.2	47.4	0.2	0.5%
88.9%	47.1	47.3	0.2	0.4%
90.1%	46.8	47.1	0.3	0.7%
91.4%	46.6	47.1	0.5	1.1%
92.6%	46.6	46.8	0.2	0.4%
93.8%	46.4	46.3	-0.1	-0.1%
95.1%	46.3	46.3	0.0	-0.1%
96.3%	46.2	46.1	-0.2	-0.3%
97.5%	46.2	46.1	-0.1	-0.2%
98.8%	45.6	45.9	0.3	0.7%
100.0%	45.6	45.9	0.3	0.7%

Table SQ15-1b

Clear Creek at Mouth, Monthly Temperature

Probability of Exceedance

February

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	52.9	52.9	0.0	0.0%
1.2%	51.9	51.8	-0.2	-0.3%
2.5%	51.6	51.4	-0.2	-0.4%
3.7%	51.0	51.0	0.0	0.0%
4.9%	51.0	50.9	-0.1	-0.2%
6.2%	50.4	50.7	0.3	0.5%
7.4%	50.3	50.6	0.3	0.5%
8.6%	50.3	50.6	0.3	0.5%
9.9%	50.3	50.5	0.2	0.4%
11.1%	50.2	50.4	0.2	0.4%
12.3%	50.2	50.4	0.3	0.5%
13.6%	50.0	50.3	0.3	0.5%
14.8%	50.0	50.2	0.2	0.5%
16.0%	50.0	50.2	0.3	0.5%
17.3%	49.9	50.2	0.3	0.5%
18.5%	49.8	50.0	0.2	0.4%
19.8%	49.7	50.0	0.3	0.6%
21.0%	49.7	49.9	0.3	0.5%
22.2%	49.7	49.9	0.3	0.5%
23.5%	49.6	49.9	0.3	0.6%
24.7%	49.6	49.9	0.3	0.6%
25.9%	49.6	49.8	0.2	0.4%
27.2%	49.5	49.7	0.3	0.5%
28.4%	49.5	49.7	0.2	0.5%
29.6%	49.5	49.7	0.2	0.4%
30.9%	49.4	49.6	0.2	0.4%
32.1%	49.4	49.6	0.2	0.4%
33.3%	49.3	49.6	0.2	0.5%
34.6%	49.3	49.5	0.2	0.5%
35.8%	49.3	49.4	0.2	0.3%
37.0%	49.2	49.4	0.2	0.4%
38.3%	49.1	49.4	0.2	0.5%
39.5%	49.1	49.3	0.2	0.3%
40.7%	49.1	49.3	0.2	0.3%
42.0%	49.1	49.2	0.1	0.2%
43.2%	49.1	49.1	0.0	0.0%
44.4%	48.9	49.0	0.1	0.2%
45.7%	48.9	49.0	0.1	0.2%
46.9%	48.9	49.0	0.1	0.2%
48.1%	48.8	48.8	0.0	0.0%
49.4%	48.8	48.5	-0.2	-0.5%
50.6%	48.5	48.5	0.0	0.0%
51.9%	48.5	48.5	0.0	0.0%
53.1%	48.5	48.4	0.0	-0.1%
54.3%	48.4	48.3	-0.1	-0.2%
55.6%	48.3	48.2	0.0	-0.1%
56.8%	47.9	47.9	0.0	0.0%
58.0%	47.8	47.7	0.0	-0.1%
59.3%	47.8	47.7	-0.1	-0.1%
60.5%	47.7	47.7	-0.1	-0.1%
61.7%	47.7	47.7	0.0	0.0%
63.0%	47.6	47.6	0.0	0.0%
64.2%	47.6	47.5	-0.1	-0.1%
65.4%	47.5	47.5	-0.1	-0.1%
66.7%	47.3	47.4	0.1	0.3%
67.9%	47.3	47.4	0.1	0.3%
69.1%	47.2	47.4	0.1	0.3%
70.4%	47.1	47.3	0.2	0.5%
71.6%	47.0	47.2	0.1	0.3%
72.8%	47.0	47.2	0.1	0.3%
74.1%	46.9	47.0	0.1	0.2%
75.3%	46.9	47.0	0.1	0.3%
76.5%	46.9	46.8	-0.1	-0.2%
77.8%	46.6	46.8	0.2	0.4%
79.0%	46.6	46.7	0.1	0.3%
80.2%	46.4	46.6	0.2	0.4%
81.5%	46.4	46.5	0.1	0.2%
82.7%	46.4	46.5	0.1	0.1%
84.0%	46.4	46.4	0.1	0.1%
85.2%	46.3	46.3	0.0	0.0%
86.4%	46.2	46.3	0.1	0.2%
87.7%	46.2	46.2	0.1	0.1%
88.9%	46.2	46.2	0.0	0.0%
90.1%	46.1	46.1	0.0	0.1%
91.4%	46.0	46.1	0.1	0.2%
92.6%	45.9	45.9	0.0	0.0%
93.8%	45.9	45.9	0.0	0.0%
95.1%	45.9	45.8	-0.1	-0.2%
96.3%	45.6	45.7	0.1	0.2%
97.5%	45.4	45.4	0.0	0.1%
98.8%	44.4	44.3	-0.1	-0.2%
100.0%	44.4	44.3	-0.1	-0.2%

March

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	53.4	53.4	0.1	0.1%
1.2%	52.6	52.5	-0.1	-0.2%
2.5%	52.4	52.4	0.0	0.0%
3.7%	52.0	52.2	0.2	0.3%
4.9%	52.0	52.1	0.1	0.2%
6.2%	51.9	51.9	-0.1	-0.1%
7.4%	51.6	51.9	0.3	0.6%
8.6%	51.5	51.8	0.3	0.5%
9.9%	51.4	51.7	0.2	0.4%
11.1%	51.3	51.6	0.3	0.7%
12.3%	51.2	51.4	0.1	0.3%
13.6%	51.2	51.4	0.2	0.3%
14.8%	51.2	51.3	0.2	0.4%
16.0%	51.1	51.3	0.2	0.3%
17.3%	51.1	51.3	0.1	0.3%
18.5%	51.1	51.2	0.1	0.2%
19.8%	51.1	51.2	0.1	0.2%
21.0%	51.1	51.2	0.1	0.3%
22.2%	50.9	51.2	0.3	0.5%
23.5%	50.9	51.2	0.3	0.5%
24.7%	50.9	51.1	0.2	0.3%
25.9%	50.9	51.0	0.1	0.2%
27.2%	50.7	51.0	0.3	0.6%
28.4%	50.7	50.9	0.3	0.5%
29.6%	50.6	50.9	0.2	0.5%
30.9%	50.6	50.8	0.2	0.4%
32.1%	50.6	50.6	0.1	0.2%
33.3%	50.5	50.4	-0.1	-0.2%
34.6%	50.5	50.4	-0.1	-0.2%
35.8%	50.4	50.4	0.0	0.0%
37.0%	50.3	50.3	0.0	0.1%
38.3%	50.2	50.3	0.1	0.1%
39.5%	50.1	50.1	0.1	0.1%
40.7%	49.8	50.0	0.1	0.3%
42.0%	49.7	49.7	0.0	0.0%
43.2%	49.7	49.6	0.0	-0.1%
44.4%	49.5	49.4	-0.1	-0.2%
45.7%	49.5	49.4	-0.1	-0.1%
46.9%	49.4	49.4	-0.1	-0.2%
48.1%	49.4	49.4	-0.1	-0.1%
49.4%	49.4	49.4	0.0	0.0%
50.6%	49.4	49.3	-0.1	-0.1%
51.9%	49.2	49.2	0.0	0.0%
53.1%	49.2	49.2	0.0	0.0%
54.3%	49.1	49.1	0.0	0.1%
55.6%	49.0	49.0	0.0	-0.1%
56.8%	49.0	49.0	0.0	0.0%
58.0%	49.0	49.0	0.0	0.0%
59.3%	48.7	48.7	0.0	0.0%
60.5%	48.6	48.6	0.0	0.0%
61.7%	48.6	48.5	-0.1	-0.2%
63.0%	48.5	48.5	0.0	0.1%
64.2%	48.4	48.5	0.0	0.1%
65.4%	48.3	48.5	0.2	0.4%
66.7%	48.2	48.5	0.2	0.5%
67.9%	48.2	48.3	0.1	0.3%
69.1%	48.1	48.2	0.1	0.3%
70.4%	48.1	48.2	0.1	0.3%
71.6%	48.0	48.2	0.2	0.3%
72.8%	47.8	48.1	0.3	0.6%
74.1%	47.7	48.0	0.3	0.6%
75.3%	47.5	47.7	0.1	0.3%
76.5%	47.5	47.7	0.2	0.3%
77.8%	47.5	47.6	0.1	0.1%
79.0%	47.5	47.5	0.1	0.2%
80.2%	47.4	47.5	0.1	0.1%
81.5%	47.4	47.4	0.0	0.0%
82.7%	47.2	47.3	0.1	0.1%
84.0%	47.2	47.3	0.0	0.1%
85.2%	47.2	47.1	-0.1	-0.1%
86.4%	47.1	47.1	0.0	0.0%
87.7%	47.0	47.1	0.0	0.1%
88.9%	47.0	47.0	0.0	0.1%
90.1%	47.0	47.0	0.0	0.1%
91.4%	46.7	46.9	0.2	0.4%
92.6%	46.7	46.8	0.1	0.2%
93.8%	46.6	46.7	0.1	0.3%
95.1%	46.6	46.7	0.1	0.2%
96.3%	46.5	46.6	0.0	0.0%
97.5%	46.2	46.3	0.1	0.2%
98.8%	45.7	45.6	-0.1	-0.2%
100.0%	45.7	45.6	-0.1	-0.2%

April

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	54.8	54.6	-0.2	-0.3%
1.2%	53.8	54.3	0.6	1.1%
2.5%	53.1	52.9	-0.2	-0.3%
3.7%	53.0	52.9	-0.1	-0.2%
4.9%	52.9	52.6	-0.3	-0.6%
6.2%	52.8	52.6	-0.2	-0.4%
7.4%	52.8	52.4	-0.3	-0.6%
8.6%	52.6	52.4	-0.3	-0.5%
9.9%	52.5	52.2	-0.2	-0.5%
11.1%	52.3	52.1	-0.2	-0.4%
12.3%	52.2	52.1	-0.2	-0.3%
13.6%	52.2	52.1	-0.2	-0.3%
14.8%	51.9	52.0	0.2	0.3%
16.0%	51.9	51.9	0.1	0.1%
17.3%	51.9	51.9	0.0	0.0%
18.5%	51.8	51.8	0.0	0.0%
19.8%	51.7	51.8	0.1	0.2%
21.0%	51.7	51.8	0.1	0.2%
22.2%	51.7	51.7	0.0	0.0%
23.5%	51.4	51.6	0.2	0.4%
24.7%	51.4	51.6	0.1	0.3%
25.9%	51.4	51.6	0.1	0.3%
27.2%	51.2	51.5	0.3	0.5%
28.4%	51.2	51.5	0.3	0.5%
29.6%	51.2	51.5	0.3	0.5%
30.9%	51.2	51.4	0.3	0.5%
32.1%	51.1	51.4	0.3	0.6%
33.3%	51.1	51.3	0.3	0.5%
34.6%	51.0	51.3	0.3	0.5%
35.8%	51.0	51.2	0.2	0.3%
37.0%	50.9	51.2	0.2	0.4%
38.3%	50.9	51.2	0.3	0.5%
39.5%	50.9	51.1	0.2	0.5%
40.7%	50.8	51.1	0.3	0.6%
42.0%	50.8	51.1	0.2	0.5%
43.2%	50.8	51.0	0.2	0.5%
44.4%	50.8	51.0	0.3	0.6%
45.7%	50.7	51.0	0.3	0.6%
46.9%	50.7	51.0	0.3	0.6%
48.1%	50.7	50.9	0.2	0.4%
49.4%	50.6	50.8	0.2	0.3%
50.6%	50.6	50.8	0.2	0.4%
51.9%	50.5	50.8	0.2	0.4%
53.1%	50.5	50.7	0.2	0.4%
54.3%	50.5	50.6	0.1	0.2%
55.6%	50.5	50.6	0.1	0.2%
56.8%	50.5	50.5	0.0	0.0%
58.0%	50.3	50.4	0.1	0.2%
59.3%	50.1	50.3	0.1	0.3%
60.5%	50.1	50.3	0.1	0.2%
61.7%	50.1	50.3	0.1	0.2%
63.0%	50.1	50.2	0.1	0.1%
64.2%	50.0	50.2	0.2	0.3%
65.4%	49.9	50.1	0.2	0.4%
66.7%	49.9	50.0	0.0	0.1%
67.9%	49.9	50.0	0.0	0.1%
69.1%	49.9	49.9	0.0	0.1%
70.4%	49.9	49.9	0.0	0.1%
71.6%	49.8	49.9	0.1	0.1%
72.8%	49.8	49.9	0.1	0.1%
74.1%	49.7	49.8	0.0	0.1%
75.3%	49.7	49.7	0.0	0.1%
76.5%	49.6	49.7	0.1	0.2%
77.8%	49.6	49.7	0.1	0.2%
79.0%	49.6	49.6	0.0	-0.1%
80.2%	49.4	49.6	0.1	0.2%
81.5%	49.3	49.4	0.1	0.2%
82.7%	49.2	49.4	0.2	0.4%
84.0%	49.1	49.3	0.2	0.4%
85.2%	49.1	49.3	0.2	0.4%
86.4%	49.1	49.2	0.2	0.3%
87.7%	49.0	49.2	0.1	0.3%
88.9%	48.9	49.1	0.3	0.5%
90.1%	48.6	49.1	0.4	0.9%
91.4%	48.6	48.9	0.3	0.6%
92.6%	48.6	48.8	0.2	0.4%
93.8%	48.1	48.1	0.0	-0.1%
95.1%	48.1	48.0	0.0	0.0%
96.3%	47.9	48.0	0.1	0.2%
97.5%	47.7	48.0	0.2	0.5%
98.8%	47.7	47.8	0.2	0.3%
100.0%	47.7	47.8	0.2	0.3%

May

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	56.6	56.7	0.1	0.1%
1.2%	56.3	56.4	0.1	0.1%
2.5%	56.1	55.9	-0.2	-0.3%
3.7%	56.0	55.3	-0.7	-1.2%
4.9%	54.5	55.0	0.5	0.9%
6.2%	54.3	54.7	0.4	0.7%
7.4%	54.0	54.0	0.0	0.1%
8.6%	53.8	54.0	0.2	0.3%
9.9%	53.7	54.0	0.3	0.6%
11.1%	53.6	53.9	0.2	0.5%
12.3%	53.4	53.7	0.3	0.5%
13.6%	53.3	53.4	0.1	0.3%
14.8%	53.3	53.3	0.0	0.0%
16.0%	53.2	53.2	0.0	0.0%
17.3%	53.1	53.1	0.0	0.0%
18.5%	53.1	53.1	0.0	0.0%
19.8%	52.9	53.1	0.1	0.3%
21.0%	52.9	53.0	0.1	0.1%
22.2%	52.6	52.9	0.3	0.6%
23.5%	52.6	52.9	0.3	0.6%
24.7%	52.6	52.9	0.3	0.5%
25.9%	52.6	52.9	0.3	0.5%
27.2%	52.4	52.9	0.4	0.8%
28.4%	52.4	52.9	0.4	0.8%
29.6%	52.4	52.8	0.4	0.8%
30.9%	52.3	52.8	0.5	0.9%
32.1%	52.3	52.8	0.5	0.9%
33.3%	52.2	52.7	0.5	1.0%
34.6%	52.2	52.7	0.5	1.0%
35.8%	52.1	52.7	0.5	1.0%
37.0%	52.1	52.7	0.6	1.1%
38.3%	52.1	52.6	0.5	1.0%
39.5%	52.1	52.5	0.4	0.9%
40.7%	52.1	52.5	0.5	0.9%
42.0%	52.0	52.5	0.5	0.9%
43.2%	52.0	52.4	0.4	0.7%
44.4%	51.9	52.4	0.5	0.9%
45.7%	51.9	52.3	0.4	0.9%
46.9%	51.8	52.3	0.5	1.1%
48.1%	51.7	52.3	0.6	1.1%
49.4%	51.7	52.2	0.5	1.0%
50.6%	51.6	52.2	0.5	1.1%
51.9%	51.6	52.1	0.5	1.0%
53.1%	51.4	52.1	0.6	1.2%
54.3%	51.4	52.0	0.6	1.1%
55.6%	51.4	51.9	0.4	0.9%
56.8%	51.4	51.8	0.5	0.9%
58.0%	51.4	51.8	0.4	0.8%
59.3%	51.3	51.7	0.4	0.8%
60.5%	51.3	51.7	0.4	0.8%
61.7%	51.3	51.7	0.4	0.8%
63.0%	51.2	51.7	0.4	0.8%
64.2%	51.2	51.6	0.4	0.8%
65.4%	51.2	51.6	0.4	0.7%
66.7%	51.1	51.5	0.4	0.8%
67.9%	51.0	51.5	0.4	0.9%
69.1%	51.0	51.4	0.4	0.8%
70.4%	51.0	51.4	0.4	0.8%
71.6%	50.9	51.4	0.4	0.9%
72.8%	50.9	51.4	0.5	1.0%
74.1%	50.9	51.3	0.5	0.9%
75.3%	50.8	51.3	0.4	0.9%
76.5%	50.8	51.3	0.5	1.0%
77.8%	50.7	51.2	0.5	0.9%
79.0%	50.7	51.2	0.5	1.1%
80.2%	50.7	51.2	0.5	1.0%
81.5%	50.6	51.2	0.5	1.0%
82.7%	50.6	51.1	0.6	1.1%
84.0%	50.6	51.0	0.4	0.9%
85.2%	50.5	50.9	0.4	0.7%
86.4%	50.5	50.9	0.4	0.8%
87.7%	50.2	50.8	0.6	1.2%
88.9%	50.2	50.8	0.6	1.2%
90.1%	50.2	50.8	0.7	1.3%
91.4%	50.1	50.6	0.5	0.9%
92.6%	50.0	50.5	0.4	0.9%
93.8%	50.0	50.4	0.4	0.8%
95.1%	49.9	50.4	0.5	0.9%
96.3%	49.8	50.3	0.5	1.0%
97.5%	49.7	50.2	0.5	1.0%
98.8%	49.5	50.1	0.6	1.2%
100.0%	49.5	50.1	0.6	1.2%

Table SQ15-1b

Clear Creek at Mouth, Monthly Temperature

Probability of Exceedance

June

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	57.3	56.4	-0.9	-1.6%
1.2%	56.5	55.5	-1.0	-1.8%
2.5%	56.2	55.2	-0.9	-1.7%
3.7%	56.0	55.1	-0.9	-1.6%
4.9%	56.0	55.1	-0.9	-1.6%
6.2%	55.2	55.0	-0.2	-0.3%
7.4%	55.0	54.7	-0.4	-0.6%
8.6%	55.0	54.5	-0.4	-0.8%
9.9%	54.7	54.5	-0.2	-0.3%
11.1%	54.3	54.5	0.2	0.4%
12.3%	54.2	54.4	0.2	0.4%
13.6%	54.1	54.4	0.3	0.5%
14.8%	54.1	54.4	0.3	0.5%
16.0%	54.1	54.2	0.1	0.2%
17.3%	54.0	54.1	0.1	0.1%
18.5%	53.9	54.0	0.1	0.2%
19.8%	53.9	54.0	0.1	0.2%
21.0%	53.7	53.9	0.2	0.4%
22.2%	53.6	53.9	0.3	0.5%
23.5%	53.6	53.8	0.2	0.3%
24.7%	53.6	53.8	0.2	0.4%
25.9%	53.6	53.7	0.1	0.3%
27.2%	53.6	53.5	0.0	0.0%
28.4%	53.5	53.5	0.0	0.1%
29.6%	53.4	53.4	0.0	0.0%
30.9%	53.3	53.4	0.1	0.2%
32.1%	53.2	53.3	0.0	0.1%
33.3%	53.2	53.2	0.0	0.0%
34.6%	53.2	53.1	0.0	0.0%
35.8%	53.0	53.1	0.2	0.4%
37.0%	52.9	53.0	0.1	0.2%
38.3%	52.7	53.0	0.3	0.6%
39.5%	52.7	53.0	0.3	0.6%
40.7%	52.6	52.9	0.3	0.6%
42.0%	52.6	52.9	0.3	0.6%
43.2%	52.5	52.9	0.4	0.7%
44.4%	52.4	52.9	0.5	1.0%
45.7%	52.3	52.8	0.5	1.0%
46.9%	52.2	52.7	0.5	0.9%
48.1%	52.2	52.7	0.5	0.9%
49.4%	52.2	52.7	0.5	1.0%
50.6%	52.1	52.6	0.5	0.9%
51.9%	52.1	52.6	0.5	0.9%
53.1%	52.1	52.4	0.4	0.7%
54.3%	52.0	52.4	0.4	0.9%
55.6%	52.0	52.4	0.4	0.9%
56.8%	52.0	52.4	0.5	0.9%
58.0%	51.9	52.4	0.5	0.9%
59.3%	51.9	52.3	0.4	0.8%
60.5%	51.7	52.3	0.6	1.1%
61.7%	51.7	52.2	0.6	1.1%
63.0%	51.5	52.2	0.7	1.3%
64.2%	51.5	52.1	0.6	1.2%
65.4%	51.3	52.1	0.8	1.5%
66.7%	51.3	52.1	0.8	1.6%
67.9%	51.2	52.0	0.7	1.5%
69.1%	51.2	51.9	0.7	1.3%
70.4%	51.2	51.8	0.6	1.2%
71.6%	51.2	51.8	0.6	1.3%
72.8%	51.1	51.8	0.6	1.2%
74.1%	51.1	51.7	0.6	1.2%
75.3%	51.0	51.7	0.6	1.2%
76.5%	50.9	51.7	0.8	1.5%
77.8%	50.9	51.6	0.7	1.4%
79.0%	50.8	51.4	0.6	1.2%
80.2%	50.8	51.4	0.6	1.1%
81.5%	50.8	51.4	0.6	1.1%
82.7%	50.7	51.4	0.6	1.2%
84.0%	50.7	51.3	0.6	1.2%
85.2%	50.7	51.3	0.6	1.2%
86.4%	50.7	51.3	0.6	1.2%
87.7%	50.6	51.3	0.6	1.2%
88.9%	50.6	51.1	0.5	1.0%
90.1%	50.4	51.1	0.7	1.3%
91.4%	50.4	51.1	0.7	1.4%
92.6%	50.4	51.0	0.6	1.1%
93.8%	50.3	50.9	0.6	1.2%
95.1%	50.2	50.8	0.6	1.2%
96.3%	50.1	50.5	0.5	0.9%
97.5%	49.8	50.3	0.5	1.0%
98.8%	49.6	50.0	0.4	0.8%
100.0%	49.6	50.0	0.4	0.8%

July

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	65.1	65.4	0.3	0.5%
1.2%	59.8	56.3	-3.5	-5.8%
2.5%	58.8	56.2	-2.6	-4.4%
3.7%	56.8	55.6	-1.2	-2.1%
4.9%	56.6	55.4	-1.2	-2.1%
6.2%	56.3	55.4	-0.9	-1.7%
7.4%	56.3	55.4	-0.9	-1.7%
8.6%	56.1	55.4	-0.8	-1.4%
9.9%	56.1	55.4	-0.7	-1.3%
11.1%	56.0	55.3	-0.7	-1.2%
12.3%	55.9	55.1	-0.8	-1.5%
13.6%	55.9	54.9	-0.9	-1.7%
14.8%	55.8	54.9	-0.9	-1.6%
16.0%	55.7	54.9	-0.8	-1.4%
17.3%	55.7	54.9	-0.8	-1.4%
18.5%	55.6	54.8	-0.8	-1.4%
19.8%	55.6	54.8	-0.8	-1.4%
21.0%	55.5	54.7	-0.7	-1.3%
22.2%	55.4	54.7	-0.7	-1.2%
23.5%	55.3	54.7	-0.6	-1.1%
24.7%	55.3	54.7	-0.6	-1.1%
25.9%	55.1	54.5	-0.6	-1.0%
27.2%	54.9	54.5	-0.4	-0.7%
28.4%	54.8	54.4	-0.4	-0.8%
29.6%	54.7	54.4	-0.4	-0.6%
30.9%	54.6	54.3	-0.4	-0.7%
32.1%	54.6	54.3	-0.3	-0.6%
33.3%	54.5	54.3	-0.2	-0.4%
34.6%	54.2	54.2	0.0	0.0%
35.8%	54.2	54.1	0.0	0.0%
37.0%	54.2	54.1	0.0	-0.1%
38.3%	54.0	54.1	0.0	0.1%
39.5%	54.0	54.0	0.0	0.0%
40.7%	53.9	54.0	0.1	0.2%
42.0%	53.8	54.0	0.1	0.2%
43.2%	53.8	54.0	0.1	0.3%
44.4%	53.8	53.9	0.1	0.2%
45.7%	53.7	53.9	0.2	0.4%
46.9%	53.5	53.9	0.3	0.6%
48.1%	53.5	53.8	0.3	0.5%
49.4%	53.5	53.8	0.3	0.5%
50.6%	53.5	53.7	0.3	0.5%
51.9%	53.4	53.6	0.2	0.4%
53.1%	53.4	53.6	0.2	0.4%
54.3%	53.2	53.6	0.4	0.7%
55.6%	53.2	53.4	0.2	0.4%
56.8%	53.2	53.4	0.2	0.4%
58.0%	53.1	53.3	0.2	0.4%
59.3%	53.1	53.3	0.3	0.5%
60.5%	53.0	53.3	0.3	0.5%
61.7%	53.0	53.2	0.3	0.5%
63.0%	53.0	53.2	0.2	0.4%
64.2%	53.0	53.2	0.2	0.4%
65.4%	52.9	53.1	0.2	0.4%
66.7%	52.8	53.0	0.2	0.4%
67.9%	52.8	53.0	0.3	0.5%
69.1%	52.7	53.0	0.3	0.6%
70.4%	52.6	52.9	0.3	0.5%
71.6%	52.6	52.8	0.2	0.4%
72.8%	52.6	52.8	0.2	0.4%
74.1%	52.5	52.8	0.3	0.6%
75.3%	52.3	52.8	0.4	0.9%
76.5%	52.3	52.7	0.4	0.8%
77.8%	52.2	52.7	0.5	1.0%
79.0%	52.1	52.6	0.5	1.0%
80.2%	52.1	52.6	0.5	1.0%
81.5%	52.0	52.4	0.4	0.7%
82.7%	52.0	52.4	0.4	0.8%
84.0%	52.0	52.4	0.4	0.8%
85.2%	52.0	52.2	0.2	0.4%
86.4%	51.9	52.2	0.3	0.6%
87.7%	51.8	52.2	0.3	0.6%
88.9%	51.8	52.1	0.3	0.5%
90.1%	51.6	52.0	0.4	0.8%
91.4%	51.5	51.9	0.4	0.8%
92.6%	51.5	51.9	0.4	0.8%
93.8%	51.4	51.7	0.3	0.6%
95.1%	51.2	51.6	0.4	0.8%
96.3%	51.1	51.4	0.3	0.6%
97.5%	51.1	51.2	0.1	0.3%
98.8%	51.0	51.2	0.2	0.3%
100.0%	51.0	51.2	0.2	0.3%

August

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	69.9	70.4	0.5	0.7%
1.2%	65.7	64.6	-1.1	-1.7%
2.5%	64.7	61.9	-2.8	-4.4%
3.7%	64.6	61.7	-2.8	-4.4%
4.9%	60.4	58.0	-2.3	-3.8%
6.2%	60.3	56.3	-3.9	-6.5%
7.4%	57.2	56.2	-1.0	-1.8%
8.6%	56.6	56.2	-0.4	-0.8%
9.9%	56.6	55.9	-0.7	-1.2%
11.1%	56.4	55.8	-0.6	-1.1%
12.3%	56.3	55.6	-0.7	-1.2%
13.6%	56.3	55.6	-0.7	-1.2%
14.8%	56.2	55.5	-0.7	-1.2%
16.0%	56.2	55.5	-0.7	-1.3%
17.3%	56.0	55.5	-0.5	-0.9%
18.5%	55.9	55.3	-0.7	-1.2%
19.8%	55.9	55.2	-0.7	-1.2%
21.0%	55.8	55.2	-0.6	-1.1%
22.2%	55.8	55.2	-0.5	-1.0%
23.5%	55.7	55.2	-0.5	-0.9%
24.7%	55.7	55.1	-0.6	-1.0%
25.9%	55.6	55.0	-0.6	-1.1%
27.2%	55.6	55.0	-0.6	-1.1%
28.4%	55.4	55.0	-0.5	-0.8%
29.6%	55.4	55.0	-0.5	-0.8%
30.9%	55.4	55.0	-0.4	-0.7%
32.1%	55.3	54.9	-0.4	-0.7%
33.3%	55.3	54.9	-0.4	-0.7%
34.6%	55.2	54.9	-0.4	-0.6%
35.8%	55.2	54.9	-0.3	-0.6%
37.0%	55.2	54.9	-0.3	-0.6%
38.3%	55.2	54.8	-0.4	-0.7%
39.5%	55.1	54.7	-0.4	-0.7%
40.7%	55.1	54.7	-0.4	-0.7%
42.0%	55.0	54.7	-0.4	-0.6%
43.2%	55.0	54.6	-0.4	-0.8%
44.4%	55.0	54.6	-0.4	-0.8%
45.7%	55.0	54.6	-0.4	-0.7%
46.9%	55.0	54.6	-0.4	-0.8%
48.1%	55.0	54.5	-0.4	-0.8%
49.4%	55.0	54.5	-0.5	-0.8%
50.6%	54.9	54.5	-0.4	-0.7%
51.9%	54.9	54.5	-0.4	-0.7%
53.1%	54.9	54.5	-0.4	-0.7%
54.3%	54.8	54.5	-0.3	-0.6%
55.6%	54.8	54.4	-0.4	-0.7%
56.8%	54.8	54.4	-0.4	-0.7%
58.0%	54.7	54.4	-0.3	-0.6%
59.3%	54.7	54.4	-0.3	-0.5%
60.5%	54.7	54.4	-0.3	-0.6%
61.7%	54.6	54.3	-0.3	-0.5%
63.0%	54.6	54.3	-0.3	-0.5%
64.2%	54.6	54.3	-0.3	-0.5%
65.4%	54.6	54.3	-0.3	-0.6%
66.7%	54.5	54.2	-0.4	-0.7%
67.9%	54.5	54.2	-0.3	-0.5%
69.1%	54.4	54.2	-0.3	-0.5%
70.4%	54.4	54.1	-0.3	-0.5%
71.6%	54.3	54.0	-0.3	-0.5%
72.8%	54.3	54.0	-0.3	-0.5%
74.1%	54.3	54.0	-0.3	-0.6%
75.3%	54.2	54.0	-0.2	-0.4%
76.5%	54.2	54.0	-0.2	-0.4%
77.8%	54.1	53.9	-0.2	-0.3%
79.0%	54.1	53.9	-0.2	-0.3%
80.2%	54.0	53.9	-0.1	-0.2%
81.5%	53.8	53.9	0.0	0.1%
82.7%	53.8	53.8	0.0	0.0%
84.0%	53.8	53.8	0.1	0.1%
85.2%	53.7	53.7	0.0	0.0%
86.4%	53.7	53.7	0.0	0.0%
87.7%	53.7	53.5	-0.2	-0.4%
88.9%	53.6	53.2	-0.4	-0.7%
90.1%	53.6	53.2	-0.4	-0.7%
91.4%	53.5	53.1	-0.4	-0.8%
92.6%	53.2	52.7	-0.5	-1.0%
93.8%	53.1	52.4	-0.7	-1.3%
95.1%	52.8	52.3	-0.6	-1.1%
96.3%	52.5	52.0	-0.5	-1.0%
97.5%	52.4	51.9	-0.5	-0.9%
98.8%	52.3	51.2	-1.0	-2.0%
100.0%	52.3	51.2	-1.0	-2.0%

September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	70.4	69.5	-0.9	-1.3%
1.2%	69.9	67.7	-2.2	-3.1%
2.5%	68.7	66.7	-2.0	-2.9%
3.7%	68.3	66.1	-2.2	-3.2%
4.9%	66.6	62.4	-4.2	-6.4%
6.2%	65.8	62.2	-3.6	-5.4%
7.4%	64.7	61.3	-3.4	-5.2%
8.6%	63.2	59.7	-3.5	-5.6%
9.9%	62.4	59.1	-3.3	-5.3%
11.1%	62.1	59.0	-3.2	-5.1%
12.3%	60.6	58.8	-1.8	-3.0%
13.6%	59.5	57.8	-1.7	-2.9%
14.8%	59.0	57.7	-1.3	-2.2%
16.0%	58.9	57.7	-1.2	-2.1%
17.3%	58.6	57.1	-1.5	-2.6%
18.5%	58.5	57.0	-1.5	-2.5%
19.8%	57.9	56.8	-1.2	-2.0%
21.0%	57.9	56.2	-1.7	-2.9%
22.2%	57.5	56.1	-1.4	-2.4%
23.5%	57.2	55.8	-1.3	-2.3%
24.7%	57.1	55.8	-1.2	-2.2%
25.9%	56.8	55.7	-1.1	-1.9%
27.2%	56.7	55.6	-1.1	-1.9%
28.4%	56.6	55.6	-1.0	-1.8%
29.6%	56.6	55.6	-1.0	-1.8%
30.9%	56.2	55.4	-0.8	-1.4%
32.1%	56.1	55.4	-0.7	-1.2%
33.3%	55.9	55.2	-0.7	-1.3%
34.6%	55.9	55.1	-0.7	-1.3%
35.8%	55.8	55.0	-0.7	-1.3%
37.0%	55.7	55.0	-0.7	-1.3%
38.3%	55.6	54.9	-0.7	-1.2%
39.5%	55.6	54.9	-0.6	-1.2%
40.7%	55.5	54.9	-0.6	-1.1%
42.0%	55.5	54.8	-0.7	-1.2%
43.2%	55.4	54.7	-0.7	-1.3%
44.4%	55.4	54.5	-0.9	-1.5%
45.7%	55.2	54.5	-0.7	-1.3%
46.9%	55.2	54.5	-0.7	-1.3%
48.1%	55.1	54.5	-0.7	-1.2%
49.4%	55.1	54.4	-0.7	-1.2%
50.6%	55.1	54.4	-0.7	-1.2%
51.9%	55.1	54.4	-0.7	-1.3%
53.1%	55.1	54.4	-0.7	-1.3%
54.3%	54.9	54.3	-0.6	-1.1%
55.6%	54.8	54.2	-0.6	-1.1%
56.8%	54.8	54.2	-0.6	-1.1%
58.0%	54.7	54.2	-0.5	-1.0%
59.3%	54.4	54.2	-0.3	-0.5%
60.5%	54.4	54.1	-0.4	-0.7%
61.7%	54.4	54.0	-0.4	-0.8%
63.0%	53.9	54.0	0.0	0.1%
64.2%	53.8	53.9	0.1	0.1%
65.4%	53.7	53.8	0.1	0.2%
66.7%	53.7	53.8	0.2	0.3%
67.9%	53.6	53.8	0.2	0.5%
69.1%	53.4	53.8	0.4	0.7%
70.4%	53.4	53.8	0.3	0.6%
71.6%	53.4	53.7	0.3	0.7%
72.8%	53.1	53.6	0.5	0.9%
74.1%	53.1	53.6	0.5	1.0%
75.3%	52.9	53.3	0.3	0.6%
76.5%	52.8	53.1	0.3	0.6%
77.8%	52.6	53.0	0.4	0.8%
79.0%	52.5	52.8	0.3	0.6%
80.2%	52.4	52.8	0.4	0.8%
81.5%	52.3	52.8	0.4	0.8%
82.7%	52.3	52.5	0.1	0.3%
84.0%	52.3	52.4	0.1	0.1%
85.2%	52.2	52.1	-0.1	-0.2%
86.4%	52.1	52.0	-0.2	-0.3%
87.7%	52.1	51.8	-0.3	-0.6%
88.9%	52.1	51.8	-0.3	-0.6%
90.1%	52.1	51.8	-0.4	-0.7%
91.4%	52.0	51.7	-0.3	-0.6%
92.6%	51.9	51.7	-0.2	-0.4%
93.8%	51.7	51.7	0.0	-0.1%
95.1%	51.6	51.6	0.0	-0.1%
96.3%	51.6	51.6	0.0	0.0%
97.5%	51.6	51.4	-0.1	-0.3%
98.8%	51.4	51.2	-0.2	-0.4%
100.0%	51.4	51.2	-0.2	-0.4%

Table SQ15-1b

Clear Creek at Mouth, Monthly Temperature

Probability of Exceedance

June to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	64.7	64.7	0.0	-0.1%
1.2%	62.6	61.1	-1.5	-2.4%
2.5%	62.6	60.3	-2.3	-3.7%
3.7%	61.1	59.4	-1.8	-2.9%
4.9%	60.2	57.2	-3.1	-5.1%
6.2%	58.7	57.1	-1.6	-2.7%
7.4%	58.0	56.6	-1.4	-2.5%
8.6%	57.9	55.9	-2.0	-3.4%
9.9%	57.5	55.9	-1.5	-2.7%
11.1%	56.9	55.9	-1.1	-1.9%
12.3%	56.4	55.8	-0.6	-1.1%
13.6%	56.3	55.7	-0.5	-1.0%
14.8%	56.3	55.7	-0.6	-1.1%
16.0%	56.2	55.6	-0.5	-0.9%
17.3%	56.1	55.4	-0.8	-1.4%
18.5%	56.0	55.3	-0.7	-1.2%
19.8%	55.7	55.3	-0.4	-0.7%
21.0%	55.5	55.3	-0.3	-0.5%
22.2%	55.5	55.0	-0.5	-0.8%
23.5%	55.4	55.0	-0.4	-0.7%
24.7%	55.4	55.0	-0.4	-0.6%
25.9%	55.3	54.9	-0.4	-0.7%
27.2%	55.1	54.9	-0.3	-0.5%
28.4%	55.0	54.8	-0.2	-0.4%
29.6%	54.9	54.7	-0.2	-0.3%
30.9%	54.9	54.6	-0.3	-0.5%
32.1%	54.8	54.5	-0.3	-0.6%
33.3%	54.6	54.3	-0.4	-0.6%
34.6%	54.5	54.3	-0.2	-0.4%
35.8%	54.3	54.1	-0.2	-0.3%
37.0%	54.2	54.1	-0.1	-0.2%
38.3%	54.2	54.1	-0.1	-0.1%
39.5%	54.1	54.0	-0.1	-0.2%
40.7%	54.1	54.0	-0.1	-0.3%
42.0%	54.1	54.0	-0.1	-0.2%
43.2%	54.0	53.9	-0.1	-0.2%
44.4%	54.0	53.9	-0.1	-0.2%
45.7%	54.0	53.8	-0.2	-0.3%
46.9%	53.9	53.8	-0.1	-0.2%
48.1%	53.8	53.8	0.0	-0.1%
49.4%	53.8	53.8	-0.1	-0.1%
50.6%	53.8	53.7	-0.1	-0.2%
51.9%	53.8	53.7	-0.1	-0.1%
53.1%	53.7	53.7	0.0	0.0%
54.3%	53.7	53.6	0.0	-0.1%
55.6%	53.7	53.6	-0.1	-0.2%
56.8%	53.6	53.5	-0.1	-0.2%
58.0%	53.5	53.5	0.0	-0.1%
59.3%	53.5	53.5	0.0	-0.1%
60.5%	53.5	53.4	-0.1	-0.1%
61.7%	53.4	53.4	0.0	0.0%
63.0%	53.4	53.4	-0.1	-0.1%
64.2%	53.4	53.2	-0.1	-0.3%
65.4%	53.3	53.2	-0.1	-0.1%
66.7%	53.3	53.2	-0.1	-0.1%
67.9%	53.3	53.2	-0.1	-0.1%
69.1%	53.2	53.1	-0.1	-0.1%
70.4%	53.1	53.1	0.1	0.1%
71.6%	52.9	53.1	0.2	0.3%
72.8%	52.9	53.1	0.2	0.3%
74.1%	52.9	53.0	0.1	0.2%
75.3%	52.8	52.8	-0.1	-0.1%
76.5%	52.8	52.8	0.0	-0.1%
77.8%	52.8	52.7	-0.1	-0.1%
79.0%	52.6	52.7	0.1	0.2%
80.2%	52.5	52.6	0.1	0.1%
81.5%	52.5	52.6	0.1	0.2%
82.7%	52.4	52.6	0.2	0.3%
84.0%	52.3	52.5	0.2	0.4%
85.2%	52.3	52.5	0.2	0.3%
86.4%	52.3	52.5	0.2	0.3%
87.7%	52.1	52.4	0.3	0.5%
88.9%	52.0	52.2	0.2	0.4%
90.1%	52.0	52.2	0.2	0.3%
91.4%	51.9	52.1	0.3	0.5%
92.6%	51.8	52.1	0.2	0.5%
93.8%	51.8	52.0	0.3	0.5%
95.1%	51.7	52.0	0.2	0.5%
96.3%	51.7	51.9	0.2	0.4%
97.5%	51.4	51.7	0.3	0.5%
98.8%	51.3	51.6	0.3	0.6%
100.0%	51.3	51.5	0.2	0.4%

July to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	67.2	67.5	0.3	0.4%
1.2%	65.1	63.5	-1.7	-2.6%
2.5%	64.7	61.9	-2.7	-4.2%
3.7%	63.2	61.2	-2.0	-3.2%
4.9%	61.7	58.3	-3.3	-5.4%
6.2%	60.3	57.8	-2.4	-4.0%
7.4%	59.4	57.1	-2.3	-3.8%
8.6%	58.5	56.8	-1.7	-2.9%
9.9%	58.4	56.7	-1.7	-2.9%
11.1%	58.2	56.4	-1.8	-3.0%
12.3%	57.1	56.4	-0.6	-1.1%
13.6%	57.0	56.2	-0.9	-1.5%
14.8%	57.0	56.0	-1.0	-1.7%
16.0%	56.8	56.0	-0.8	-1.5%
17.3%	56.8	55.8	-1.0	-1.7%
18.5%	56.8	55.7	-1.0	-1.8%
19.8%	56.4	55.5	-0.8	-1.4%
21.0%	56.2	55.5	-0.7	-1.3%
22.2%	56.0	55.3	-0.6	-1.1%
23.5%	55.9	55.2	-0.6	-1.1%
24.7%	55.8	55.2	-0.6	-1.0%
25.9%	55.8	55.2	-0.6	-1.0%
27.2%	55.7	55.0	-0.7	-1.3%
28.4%	55.7	55.0	-0.7	-1.2%
29.6%	55.6	55.0	-0.6	-1.1%
30.9%	55.4	55.0	-0.4	-0.8%
32.1%	55.3	54.9	-0.3	-0.6%
33.3%	55.2	54.9	-0.3	-0.6%
34.6%	55.1	54.7	-0.4	-0.7%
35.8%	55.0	54.6	-0.4	-0.7%
37.0%	54.9	54.5	-0.4	-0.7%
38.3%	54.8	54.5	-0.3	-0.6%
39.5%	54.8	54.4	-0.4	-0.6%
40.7%	54.7	54.4	-0.3	-0.6%
42.0%	54.6	54.3	-0.2	-0.4%
43.2%	54.6	54.3	-0.3	-0.5%
44.4%	54.5	54.3	-0.2	-0.4%
45.7%	54.5	54.3	-0.2	-0.4%
46.9%	54.5	54.3	-0.2	-0.5%
48.1%	54.4	54.1	-0.3	-0.5%
49.4%	54.4	54.1	-0.3	-0.5%
50.6%	54.4	54.1	-0.3	-0.5%
51.9%	54.4	54.1	-0.3	-0.5%
53.1%	54.3	54.1	-0.3	-0.5%
54.3%	54.3	54.0	-0.3	-0.5%
55.6%	54.3	54.0	-0.3	-0.5%
56.8%	54.3	54.0	-0.2	-0.4%
58.0%	54.2	54.0	-0.2	-0.4%
59.3%	54.2	53.9	-0.3	-0.5%
60.5%	53.9	53.9	-0.1	-0.1%
61.7%	53.9	53.8	-0.1	-0.2%
63.0%	53.9	53.8	-0.1	-0.2%
64.2%	53.9	53.7	-0.2	-0.3%
65.4%	53.8	53.7	-0.1	-0.2%
66.7%	53.8	53.7	-0.1	-0.2%
67.9%	53.8	53.7	-0.1	-0.2%
69.1%	53.6	53.7	0.0	0.0%
70.4%	53.5	53.5	0.0	0.0%
71.6%	53.5	53.5	0.0	0.0%
72.8%	53.5	53.4	-0.1	-0.2%
74.1%	53.4	53.3	-0.1	-0.2%
75.3%	53.4	53.3	-0.1	-0.1%
76.5%	53.4	53.3	-0.1	-0.2%
77.8%	53.4	53.1	-0.2	-0.5%
79.0%	53.2	53.1	-0.1	-0.2%
80.2%	53.2	52.9	-0.2	-0.4%
81.5%	53.0	52.9	-0.1	-0.2%
82.7%	52.9	52.8	-0.1	-0.2%
84.0%	52.9	52.8	-0.1	-0.1%
85.2%	52.8	52.8	0.0	0.0%
86.4%	52.6	52.8	0.2	0.4%
87.7%	52.5	52.7	0.2	0.4%
88.9%	52.4	52.5	0.1	0.2%
90.1%	52.4	52.5	0.1	0.2%
91.4%	52.3	52.3	0.0	0.1%
92.6%	52.2	52.3	0.1	0.1%
93.8%	52.2	52.2	0.0	0.0%
95.1%	52.2	52.2	0.0	-0.1%
96.3%	52.1	52.1	0.0	0.0%
97.5%	51.8	52.0	0.2	0.4%
98.8%	51.8	52.0	0.3	0.5%
100.0%	51.7	52.0	0.2	0.5%

August to September

Percent Exceedance Probability (%)	WSIP 2070 Without Project Monthly Temperature (DEGF)	WSIP 2070 With Project Monthly Temperature (DEGF)	Absolute Difference (DEGF)	Relative Difference (%)
0.0%	68.3	68.5	0.2	0.4%
1.2%	67.8	67.1	-0.8	-1.1%
2.5%	67.6	64.8	-2.8	-4.1%
3.7%	66.6	63.9	-2.7	-4.0%
4.9%	64.3	60.2	-4.1	-6.4%
6.2%	62.5	59.0	-3.4	-5.5%
7.4%	61.0	58.2	-2.8	-4.6%
8.6%	59.9	58.0	-1.9	-3.2%
9.9%	59.8	57.6	-2.3	-3.8%
11.1%	59.2	57.3	-1.9	-3.2%
12.3%	57.9	57.2	-0.7	-1.3%
13.6%	57.7	57.0	-0.7	-1.3%
14.8%	57.5	56.7	-0.9	-1.5%
16.0%	57.5	56.4	-1.1	-1.9%
17.3%	57.4	56.2	-1.1	-1.9%
18.5%	57.2	56.0	-1.2	-2.1%
19.8%	56.7	55.9	-0.8	-1.4%
21.0%	56.6	55.9	-0.7	-1.2%
22.2%	56.5	55.5	-1.0	-1.8%
23.5%	56.3	55.5	-0.8	-1.5%
24.7%	56.3	55.5	-0.8	-1.4%
25.9%	56.1	55.5	-0.7	-1.2%
27.2%	56.1	55.3	-0.8	-1.5%
28.4%	55.9	55.2	-0.7	-1.2%
29.6%	55.9	55.2	-0.6	-1.1%
30.9%	55.7	55.1	-0.5	-1.0%
32.1%	55.5	55.1	-0.5	-0.8%
33.3%	55.4	55.0	-0.4	-0.8%
34.6%	55.4	55.0	-0.4	-0.8%
35.8%	55.4	54.9	-0.6	-1.0%
37.0%	55.4	54.8	-0.5	-0.9%
38.3%	55.3	54.8	-0.5	-0.8%
39.5%	55.3	54.8	-0.5	-0.9%
40.7%	55.2	54.7	-0.5	-1.0%
42.0%	55.2	54.7	-0.5	-1.0%
43.2%	55.1	54.7	-0.4	-0.8%
44.4%	55.1	54.7	-0.4	-0.7%
45.7%	55.0	54.5	-0.5	-0.9%
46.9%	55.0	54.5	-0.5	-0.9%
48.1%	55.0	54.4	-0.5	-1.0%
49.4%	55.0	54.4	-0.6	-1.0%
50.6%	54.9	54.4	-0.5	-0.8%
51.9%	54.8	54.4	-0.5	-0.8%
53.1%	54.8	54.4	-0.4	-0.8%
54.3%	54.8	54.2	-0.6	-1.1%
55.6%	54.8	54.2	-0.6	-1.2%
56.8%	54.8	54.2	-0.6	-1.1%
58.0%	54.7	54.2	-0.6	-1.1%
59.3%	54.7	54.1	-0.6	-1.0%
60.5%	54.6	54.1	-0.5	-1.0%
61.7%	54.5	54.1	-0.5	-0.9%
63.0%	54.3	54.0	-0.2	-0.4%
64.2%	54.2	54.0	-0.2	-0.3%
65.4%	54.2	54.0	-0.2	-0.4%
66.7%	54.2	54.0	-0.2	-0.3%
67.9%	54.1	54.0	-0.2	-0.3%
69.1%	54.1	54.0	-0.1	-0.2%
70.4%	53.9	53.9	0.0	0.0%
71.6%	53.8	53.9	0.0	0.1%
72.8%	53.8	53.7	-0.1	-0.1%
74.1%	53.8	53.6	-0.2	-0.4%
75.3%	53.8	53.5	-0.3	-0.5%
76.5%	53.8	53.4	-0.4	-0.7%
77.8%	53.7	53.3	-0.4	-0.7%
79.0%	53.5	53.1	-0.4	-0.7%
80.2%	53.4	53.1	-0.2	-0.5%
81.5%	53.3	53.1	-0.2	-0.4%
82.7%	53.3	53.1	-0.2	-0.5%
84.0%	53.3	53.0	-0.3	-0.5%
85.2%	53.0	52.9	-0.1	-0.2%
86.4%	53.0	52.7	-0.2	-0.4%
87.7%	52.9	52.7	-0.2	-0.4%
88.9%	52.9	52.7	-0.2	-0.4%
90.1%	52.6	52.7	0.1	0.1%
91.4%	52.6	52.6	0.0	0.0%
92.6%	52.6	52.6	0.0	0.0%
93.8%	52.5	52.5	0.0	0.0%
95.1%	52.4	52.5	0.0	0.1%
96.3%	52.4	52.4	0.0	0.0%
97.5%	52.4	52.1	-0.3	-0.5%
98.8%	52.1	52.0	-0.2	-0.3%
100.0%	52.0	51.8	-0.2	-0.3%